Apex Laboratories, LLC
6700 SW Sandburg St. Tigard, Oregon 97223
503.718.2323

Level IV Data Package for

Anchor QEA, LLC

US Moorings-- C2,C3,C4

Apex Laboratories Work Order #:

A0K0482

The information contained in this Data Package is intended solely for the purpose of validating client sample results submitted under the associated Chain of Custody(ies). An effort has been made to remove all traceable non-client data. Any incidental inclusion of non-client data is considered privileged and confidential information. The use of this information for any purpose other than data validation is strictly prohibited, and constitutes a breach of contract.

APEX LABORATORIES, LLC
6700 SW Sandburg St. Tigard, OR 97223 phone 503-718-2323

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Analytical Case Narrative

Analytical Case Narrative

Client: Anchor QEA, LLC Date: 02/12/21
Project: US Moorings – C2,C3,C4
Apex Work Order Number: A0K0482
This data package contains data associated with analysis of samples for the above referenced Apex work order numbers. The data package Table of Contents, along with the PDF bookmarks, allow for ease of navigation and location of items within the data deliverable.

The Sample Receipt Documentation section of this package contains sample receipt information, including sample temperature and condition of receipt documented on Cooler Receipt Form(s). Apex analyzed the samples by the methods indicated on the Chain of Custody. Any additional analyses requested are indicated on the Apex Work Order.

If any anomalies were encountered during analysis that could potentially impact data quality, sample results are qualified and/or a separate Case Narrative is included in the Analytical Report. Please refer to the Notes and Definition section of the Analytical Report(s) for Qualifier explanations, Conventions, and the Blank Policy.

Data represented in this package are in compliance with the referenced method(s), both technically and for completeness, for all conditions other than those stated above and/or noted by qualification of the reported data. The signature below verifies that the Laboratory Director or his designee has authorized release of this data package.

Estella Rieben,
Quality Systems Manager
Apex Laboratories, LLC

Analytical Report

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Monday, January 25, 2021

Delaney Peterson
Anchor QEA, LLC
6720 SW Macadam Ave. Suite 125
Portland, OR 97219

RE: A0K0482 - US Moorings -- C2, C3, C4 - [none]

Thank you for using Apex Laboratories. We greatly appreciate your business and strive to provide the highest quality services to the environmental industry.

Enclosed are the results of analyses for work order A0K0482, which was received by the laboratory on 11/11/2020 at 1:30:00PM.

If you have any questions concerning this report or the services we offer, please feel free to contact me by email at: dthomas@apex-labs.com, or by phone at 503-718-2323.

Please note: All samples will be disposed of within 30 days of sample receipt, unless prior arrangements have been made.

Cooler Receipt Information

(See Cooler Receipt Form for details)

Cooler #1	4.6 degC	Cooler #2	1.0 degC
Cooler #3	0.1 degC		

This Final Report is the official version of the data results for this sample submission, unless superseded by a subsequent, labeled amended report.
All other deliverables derived from this data, including Electronic Data Deliverables (EDDs), CLP-like forms, client requested summary sheets, and all other products are considered secondary to this report.

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Darwin Thomas, Business Development Director

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
USMPDI-003SC-A-01-02-201110	A0K0482-01	SE	11/10/20 12:15	11/11/20 13:30
USMPDI-003SC-A-02-03-201110	A0K0482-02	SE	11/10/20 12:15	11/11/20 13:30
USMPDI-003SC-A-03-04-201110	A0K0482-03	SE	11/10/20 12:15	11/11/20 13:30
USMPDI-003SC-A-04-05-201110	A0K0482-04	SE	11/10/20 12:15	11/11/20 13:30
USMPDI-1003SC-A-01-02-201110	A0K0482-05	SE	11/10/20 12:15	11/11/20 13:30
SC-TB-2011101216	A0K0482-06	WQ	11/10/20 12:16	11/11/20 13:30
USMPDI-003SC-B-00-02-201110	A0K0482-07	SE	11/10/20 11:55	11/11/20 13:30
USMPDI-003SC-B-02-04-201110	A0K0482-08	SE	11/10/20 11:55	11/11/20 13:30
USMPDI-003SC-B-04-06-201110	A0K0482-09	SE	11/10/20 11:55	11/11/20 13:30
USMPDI-003SC-B-06-08-201110	A0K0482-10	SE	11/10/20 11:55	11/11/20 13:30
USMPDI-006SC-A-01-02-201110	A0K0482-11	SE	11/10/20 09:25	11/11/20 13:30
USMPDI-006SC-A-02-03-201110	A0K0482-12	SE	11/10/20 09:25	11/11/20 13:30
USMPDI-006SC-A-03-04-201110	A0K0482-13	SE	11/10/20 09:25	11/11/20 13:30
USMPDI-006SC-A-04-05-201110	A0K0482-14	SE	11/10/20 09:25	11/11/20 13:30
USMPDI-006SC-D-00-02-201110	A0K0482-15	SE	11/10/20 09:05	11/11/20 13:30
USMPDI-006SC-D-02-04-201110	A0K0482-16	SE	11/10/20 09:05	11/11/20 13:30
USMPDI-006SC-D-04-06-201110	A0K0482-17	SE	11/10/20 09:05	11/11/20 13:30
USMPDI-006SC-D-06-08-201110	A0K0482-18	SE	11/10/20 09:05	11/11/20 13:30
USMPDI-006SC-D-08-10-201110	A0K0482-19	SE	11/10/20 09:05	11/11/20 13:30
USMPDI-006SC-D-10-12-201110	A0K0482-20	SE	11/10/20 09:05	11/11/20 13:30
USMPDI-006SC-D-12-14-201110	A0K0482-21	SE	11/10/20 09:05	11/11/20 13:30
USMPDI-1006SC-D-10-12-201110	A0K0482-22	SE	11/10/20 09:05	11/11/20 13:30

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Darwin Thomas, Business Development Director

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ORELAP ID: **OR100062**

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

ANALYTICAL SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
SC-TB-2011101216 (A0K0482-06)				**Matrix: WQ**		**Batch: 0110532**		
Benzene	ND	0.100	0.200	ug/L	1	11/16/20 13:46	EPA 8260D	
Toluene	ND	0.500	1.00	ug/L	1	11/16/20 13:46	EPA 8260D	
Ethylbenzene	ND	0.250	0.500	ug/L	1	11/16/20 13:46	EPA 8260D	
m,p-Xylene	ND	0.500	1.00	ug/L	1	11/16/20 13:46	EPA 8260D	
o-Xylene	ND	0.250	0.500	ug/L	1	11/16/20 13:46	EPA 8260D	
Chlorobenzene	ND	0.250	0.500	ug/L	1	11/16/20 13:46	EPA 8260D	
1,1-Dichloroethene	ND	0.200	0.400	ug/L	1	11/16/20 13:46	EPA 8260D	
cis-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	11/16/20 13:46	EPA 8260D	
Tetrachloroethene (PCE)	ND	0.200	0.400	ug/L	1	11/16/20 13:46	EPA 8260D	
Trichloroethene (TCE)	ND	0.200	0.400	ug/L	1	11/16/20 13:46	EPA 8260D	
Vinyl chloride	ND	0.200	0.400	ug/L	1	11/16/20 13:46	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*101 %*	*Limits:* *80-120 %*	*1*	*11/16/20 13:46*	*EPA 8260D*	
Toluene-d8 (Surr)			*103 %*	*80-120 %*	*1*	*11/16/20 13:46*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*103 %*	*80-120 %*	*1*	*11/16/20 13:46*	*EPA 8260D*	

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Darwin Thomas, Business Development Director

Apex Laboratories, LLC

6700 S.W. Sandburg Street
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503-718-2323
ORELAP ID: **OR100062**

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

ANALYTICAL SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 5035A/8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-003SC-B-00-02-201110 (A0K0482-07)				**Matrix: SE**		**Batch: 0110632**		
Benzene	ND	4.35	8.70	ug/kg wet	50	11/18/20 18:41	5035A/8260D	
Toluene	ND	21.7	43.5	ug/kg wet	50	11/18/20 18:41	5035A/8260D	
Ethylbenzene	ND	10.9	21.7	ug/kg wet	50	11/18/20 18:41	5035A/8260D	
m,p-Xylene	ND	21.7	43.5	ug/kg wet	50	11/18/20 18:41	5035A/8260D	
o-Xylene	ND	10.9	21.7	ug/kg wet	50	11/18/20 18:41	5035A/8260D	
Chlorobenzene	ND	10.9	21.7	ug/kg wet	50	11/18/20 18:41	5035A/8260D	
1,1-Dichloroethene	ND	10.9	21.7	ug/kg wet	50	11/18/20 18:41	5035A/8260D	
cis-1,2-Dichloroethene	ND	10.9	21.7	ug/kg wet	50	11/18/20 18:41	5035A/8260D	
Tetrachloroethene (PCE)	ND	10.9	21.7	ug/kg wet	50	11/18/20 18:41	5035A/8260D	
Trichloroethene (TCE)	ND	10.9	21.7	ug/kg wet	50	11/18/20 18:41	5035A/8260D	
Vinyl chloride	ND	10.9	21.7	ug/kg wet	50	11/18/20 18:41	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*98 %*	*Limits: 80-120 %*	*1*	*11/18/20 18:41*	*5035A/8260D*	
Toluene-d8 (Surr)			*98 %*	*80-120 %*	*1*	*11/18/20 18:41*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*97 %*	*79-120 %*	*1*	*11/18/20 18:41*	*5035A/8260D*	
USMPDI-003SC-B-02-04-201110 (A0K0482-08)				**Matrix: SE**		**Batch: 0110632**		
Benzene	ND	7.47	14.9	ug/kg dry	50	11/18/20 19:08	5035A/8260D	
Toluene	ND	37.4	74.7	ug/kg dry	50	11/18/20 19:08	5035A/8260D	
Ethylbenzene	ND	18.7	37.4	ug/kg dry	50	11/18/20 19:08	5035A/8260D	
m,p-Xylene	ND	37.4	74.7	ug/kg dry	50	11/18/20 19:08	5035A/8260D	
o-Xylene	ND	18.7	37.4	ug/kg dry	50	11/18/20 19:08	5035A/8260D	
Chlorobenzene	ND	18.7	37.4	ug/kg dry	50	11/18/20 19:08	5035A/8260D	
1,1-Dichloroethene	ND	18.7	37.4	ug/kg dry	50	11/18/20 19:08	5035A/8260D	
cis-1,2-Dichloroethene	ND	18.7	37.4	ug/kg dry	50	11/18/20 19:08	5035A/8260D	
Tetrachloroethene (PCE)	ND	18.7	37.4	ug/kg dry	50	11/18/20 19:08	5035A/8260D	
Trichloroethene (TCE)	ND	18.7	37.4	ug/kg dry	50	11/18/20 19:08	5035A/8260D	
Vinyl chloride	ND	18.7	37.4	ug/kg dry	50	11/18/20 19:08	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*97 %*	*Limits: 80-120 %*	*1*	*11/18/20 19:08*	*5035A/8260D*	
Toluene-d8 (Surr)			*99 %*	*80-120 %*	*1*	*11/18/20 19:08*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*97 %*	*79-120 %*	*1*	*11/18/20 19:08*	*5035A/8260D*	
USMPDI-003SC-B-04-06-201110 (A0K0482-09)				**Matrix: SE**		**Batch: 0110632**		
Benzene	ND	6.88	13.8	ug/kg dry	50	11/18/20 19:35	5035A/8260D	
Toluene	ND	34.4	68.8	ug/kg dry	50	11/18/20 19:35	5035A/8260D	

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Darwin Thomas, Business Development Director

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

ANALYTICAL SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 5035A/8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-003SC-B-04-06-201110 (A0K0482-09)				**Matrix: SE**		**Batch: 0110632**		
Ethylbenzene	ND	17.2	34.4	ug/kg dry	50	11/18/20 19:35	5035A/8260D	
m,p-Xylene	ND	34.4	68.8	ug/kg dry	50	11/18/20 19:35	5035A/8260D	
o-Xylene	ND	17.2	34.4	ug/kg dry	50	11/18/20 19:35	5035A/8260D	
Chlorobenzene	ND	17.2	34.4	ug/kg dry	50	11/18/20 19:35	5035A/8260D	
1,1-Dichloroethene	ND	17.2	34.4	ug/kg dry	50	11/18/20 19:35	5035A/8260D	
cis-1,2-Dichloroethene	ND	17.2	34.4	ug/kg dry	50	11/18/20 19:35	5035A/8260D	
Tetrachloroethene (PCE)	ND	17.2	34.4	ug/kg dry	50	11/18/20 19:35	5035A/8260D	
Trichloroethene (TCE)	ND	17.2	34.4	ug/kg dry	50	11/18/20 19:35	5035A/8260D	
Vinyl chloride	ND	17.2	34.4	ug/kg dry	50	11/18/20 19:35	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*95 %*	*Limits:* *80-120 %*	*1*	*11/18/20 19:35*	*5035A/8260D*	
Toluene-d8 (Surr)			*99 %*	*80-120 %*	*1*	*11/18/20 19:35*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*97 %*	*79-120 %*	*1*	*11/18/20 19:35*	*5035A/8260D*	
USMPDI-003SC-B-06-08-201110 (A0K0482-10)				**Matrix: SE**		**Batch: 0110632**		
Benzene	ND	7.02	14.0	ug/kg dry	50	11/18/20 20:02	5035A/8260D	
Toluene	ND	35.1	70.2	ug/kg dry	50	11/18/20 20:02	5035A/8260D	
Ethylbenzene	ND	17.5	35.1	ug/kg dry	50	11/18/20 20:02	5035A/8260D	
m,p-Xylene	ND	35.1	70.2	ug/kg dry	50	11/18/20 20:02	5035A/8260D	
o-Xylene	ND	17.5	35.1	ug/kg dry	50	11/18/20 20:02	5035A/8260D	
Chlorobenzene	ND	17.5	35.1	ug/kg dry	50	11/18/20 20:02	5035A/8260D	
1,1-Dichloroethene	ND	17.5	35.1	ug/kg dry	50	11/18/20 20:02	5035A/8260D	
cis-1,2-Dichloroethene	ND	17.5	35.1	ug/kg dry	50	11/18/20 20:02	5035A/8260D	
Tetrachloroethene (PCE)	ND	17.5	35.1	ug/kg dry	50	11/18/20 20:02	5035A/8260D	
Trichloroethene (TCE)	ND	17.5	35.1	ug/kg dry	50	11/18/20 20:02	5035A/8260D	
Vinyl chloride	ND	17.5	35.1	ug/kg dry	50	11/18/20 20:02	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*95 %*	*Limits:* *80-120 %*	*1*	*11/18/20 20:02*	*5035A/8260D*	
Toluene-d8 (Surr)			*98 %*	*80-120 %*	*1*	*11/18/20 20:02*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*97 %*	*79-120 %*	*1*	*11/18/20 20:02*	*5035A/8260D*	
USMPDI-006SC-D-00-02-201110 (A0K0482-15)				**Matrix: SE**		**Batch: 0110632**		
Benzene	ND	13.6	27.1	ug/kg dry	50	11/18/20 20:29	5035A/8260D	
Toluene	ND	67.8	136	ug/kg dry	50	11/18/20 20:29	5035A/8260D	
Ethylbenzene	ND	33.9	67.8	ug/kg dry	50	11/18/20 20:29	5035A/8260D	
m,p-Xylene	ND	67.8	136	ug/kg dry	50	11/18/20 20:29	5035A/8260D	

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Darwin Thomas, Business Development Director

Apex Laboratories, LLC

6700 S.W. Sandburg Street
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503-718-2323
ORELAP ID: **OR100062**

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

ANALYTICAL SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 5035A/8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-006SC-D-00-02-201110 (A0K0482-15)				**Matrix: SE**		**Batch: 0110632**		
o-Xylene	ND	33.9	67.8	ug/kg dry	50	11/18/20 20:29	5035A/8260D	
Chlorobenzene	ND	33.9	67.8	ug/kg dry	50	11/18/20 20:29	5035A/8260D	
1,1-Dichloroethene	ND	33.9	67.8	ug/kg dry	50	11/18/20 20:29	5035A/8260D	
cis-1,2-Dichloroethene	ND	33.9	67.8	ug/kg dry	50	11/18/20 20:29	5035A/8260D	
Tetrachloroethene (PCE)	ND	33.9	67.8	ug/kg dry	50	11/18/20 20:29	5035A/8260D	
Trichloroethene (TCE)	ND	33.9	67.8	ug/kg dry	50	11/18/20 20:29	5035A/8260D	
Vinyl chloride	ND	33.9	67.8	ug/kg dry	50	11/18/20 20:29	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*93 %*	*Limits: 80-120 %*	*1*	*11/18/20 20:29*	*5035A/8260D*	
Toluene-d8 (Surr)			*98 %*	*80-120 %*	*1*	*11/18/20 20:29*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*98 %*	*79-120 %*	*1*	*11/18/20 20:29*	*5035A/8260D*	
USMPDI-006SC-D-02-04-201110 (A0K0482-16RE1)				**Matrix: SE**		**Batch: 0110717**		
Benzene	ND	6.90	13.8	ug/kg dry	50	11/20/20 00:16	5035A/8260D	
Toluene	ND	34.5	69.0	ug/kg dry	50	11/20/20 00:16	5035A/8260D	
Ethylbenzene	ND	17.2	34.5	ug/kg dry	50	11/20/20 00:16	5035A/8260D	
m,p-Xylene	ND	34.5	69.0	ug/kg dry	50	11/20/20 00:16	5035A/8260D	
o-Xylene	ND	17.2	34.5	ug/kg dry	50	11/20/20 00:16	5035A/8260D	
Chlorobenzene	ND	17.2	34.5	ug/kg dry	50	11/20/20 00:16	5035A/8260D	
1,1-Dichloroethene	ND	17.2	34.5	ug/kg dry	50	11/20/20 00:16	5035A/8260D	
cis-1,2-Dichloroethene	ND	17.2	34.5	ug/kg dry	50	11/20/20 00:16	5035A/8260D	
Tetrachloroethene (PCE)	ND	17.2	34.5	ug/kg dry	50	11/20/20 00:16	5035A/8260D	
Trichloroethene (TCE)	ND	17.2	34.5	ug/kg dry	50	11/20/20 00:16	5035A/8260D	
Vinyl chloride	ND	17.2	34.5	ug/kg dry	50	11/20/20 00:16	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*108 %*	*Limits: 80-120 %*	*1*	*11/20/20 00:16*	*5035A/8260D*	
Toluene-d8 (Surr)			*101 %*	*80-120 %*	*1*	*11/20/20 00:16*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*101 %*	*79-120 %*	*1*	*11/20/20 00:16*	*5035A/8260D*	
USMPDI-006SC-D-04-06-201110 (A0K0482-17RE1)				**Matrix: SE**		**Batch: 0110717**		
Benzene	ND	6.83	13.7	ug/kg dry	50	11/20/20 00:43	5035A/8260D	
Toluene	ND	34.2	68.3	ug/kg dry	50	11/20/20 00:43	5035A/8260D	
Ethylbenzene	ND	17.1	34.2	ug/kg dry	50	11/20/20 00:43	5035A/8260D	
m,p-Xylene	ND	34.2	68.3	ug/kg dry	50	11/20/20 00:43	5035A/8260D	
o-Xylene	ND	17.1	34.2	ug/kg dry	50	11/20/20 00:43	5035A/8260D	
Chlorobenzene	ND	17.1	34.2	ug/kg dry	50	11/20/20 00:43	5035A/8260D	

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Darwin Thomas, Business Development Director

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

ANALYTICAL SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 5035A/8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-006SC-D-04-06-201110 (A0K0482-17RE1)				**Matrix: SE**		**Batch: 0110717**		
1,1-Dichloroethene	ND	17.1	34.2	ug/kg dry	50	11/20/20 00:43	5035A/8260D	
cis-1,2-Dichloroethene	ND	17.1	34.2	ug/kg dry	50	11/20/20 00:43	5035A/8260D	
Tetrachloroethene (PCE)	ND	17.1	34.2	ug/kg dry	50	11/20/20 00:43	5035A/8260D	
Trichloroethene (TCE)	ND	17.1	34.2	ug/kg dry	50	11/20/20 00:43	5035A/8260D	
Vinyl chloride	ND	17.1	34.2	ug/kg dry	50	11/20/20 00:43	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*108 %*	*Limits: 80-120 %*	*1*	*11/20/20 00:43*	*5035A/8260D*	
Toluene-d8 (Surr)			*100 %*	*80-120 %*	*1*	*11/20/20 00:43*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*101 %*	*79-120 %*	*1*	*11/20/20 00:43*	*5035A/8260D*	
USMPDI-006SC-D-06-08-201110 (A0K0482-18RE1)				**Matrix: SE**		**Batch: 0110717**		
Benzene	ND	8.03	16.1	ug/kg dry	50	11/20/20 01:10	5035A/8260D	
Toluene	ND	40.2	80.3	ug/kg dry	50	11/20/20 01:10	5035A/8260D	
Ethylbenzene	ND	20.1	40.2	ug/kg dry	50	11/20/20 01:10	5035A/8260D	
m,p-Xylene	ND	40.2	80.3	ug/kg dry	50	11/20/20 01:10	5035A/8260D	
o-Xylene	ND	20.1	40.2	ug/kg dry	50	11/20/20 01:10	5035A/8260D	
Chlorobenzene	ND	20.1	40.2	ug/kg dry	50	11/20/20 01:10	5035A/8260D	
1,1-Dichloroethene	ND	20.1	40.2	ug/kg dry	50	11/20/20 01:10	5035A/8260D	
cis-1,2-Dichloroethene	ND	20.1	40.2	ug/kg dry	50	11/20/20 01:10	5035A/8260D	
Tetrachloroethene (PCE)	ND	20.1	40.2	ug/kg dry	50	11/20/20 01:10	5035A/8260D	
Trichloroethene (TCE)	ND	20.1	40.2	ug/kg dry	50	11/20/20 01:10	5035A/8260D	
Vinyl chloride	ND	20.1	40.2	ug/kg dry	50	11/20/20 01:10	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*109 %*	*Limits: 80-120 %*	*1*	*11/20/20 01:10*	*5035A/8260D*	
Toluene-d8 (Surr)			*100 %*	*80-120 %*	*1*	*11/20/20 01:10*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*101 %*	*79-120 %*	*1*	*11/20/20 01:10*	*5035A/8260D*	
USMPDI-006SC-D-08-10-201110 (A0K0482-19RE1)				**Matrix: SE**		**Batch: 0110717**		
Benzene	ND	7.74	15.5	ug/kg dry	50	11/20/20 01:37	5035A/8260D	
Toluene	ND	38.7	77.4	ug/kg dry	50	11/20/20 01:37	5035A/8260D	
Ethylbenzene	ND	19.3	38.7	ug/kg dry	50	11/20/20 01:37	5035A/8260D	
m,p-Xylene	ND	38.7	77.4	ug/kg dry	50	11/20/20 01:37	5035A/8260D	
o-Xylene	ND	19.3	38.7	ug/kg dry	50	11/20/20 01:37	5035A/8260D	
Chlorobenzene	ND	19.3	38.7	ug/kg dry	50	11/20/20 01:37	5035A/8260D	
1,1-Dichloroethene	ND	19.3	38.7	ug/kg dry	50	11/20/20 01:37	5035A/8260D	
cis-1,2-Dichloroethene	ND	19.3	38.7	ug/kg dry	50	11/20/20 01:37	5035A/8260D	

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503-718-2323
ORELAP ID: **OR100062**

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

ANALYTICAL SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 5035A/8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-006SC-D-08-10-201110 (A0K0482-19RE1)				**Matrix: SE**		**Batch: 0110717**		
Tetrachloroethene (PCE)	ND	19.3	38.7	ug/kg dry	50	11/20/20 01:37	5035A/8260D	
Trichloroethene (TCE)	ND	19.3	38.7	ug/kg dry	50	11/20/20 01:37	5035A/8260D	
Vinyl chloride	ND	19.3	38.7	ug/kg dry	50	11/20/20 01:37	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*109 %*	*Limits: 80-120 %*	*1*	*11/20/20 01:37*	*5035A/8260D*	
Toluene-d8 (Surr)			*99 %*	*80-120 %*	*1*	*11/20/20 01:37*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*101 %*	*79-120 %*	*1*	*11/20/20 01:37*	*5035A/8260D*	
USMPDI-006SC-D-10-12-201110 (A0K0482-20RE1)				**Matrix: SE**		**Batch: 0110717**		
Benzene	ND	7.32	14.6	ug/kg dry	50	11/20/20 02:04	5035A/8260D	
Toluene	ND	36.6	73.2	ug/kg dry	50	11/20/20 02:04	5035A/8260D	
Ethylbenzene	ND	18.3	36.6	ug/kg dry	50	11/20/20 02:04	5035A/8260D	
m,p-Xylene	ND	36.6	73.2	ug/kg dry	50	11/20/20 02:04	5035A/8260D	
o-Xylene	ND	18.3	36.6	ug/kg dry	50	11/20/20 02:04	5035A/8260D	
Chlorobenzene	ND	18.3	36.6	ug/kg dry	50	11/20/20 02:04	5035A/8260D	
1,1-Dichloroethene	ND	18.3	36.6	ug/kg dry	50	11/20/20 02:04	5035A/8260D	
cis-1,2-Dichloroethene	ND	18.3	36.6	ug/kg dry	50	11/20/20 02:04	5035A/8260D	
Tetrachloroethene (PCE)	ND	18.3	36.6	ug/kg dry	50	11/20/20 02:04	5035A/8260D	
Trichloroethene (TCE)	ND	18.3	36.6	ug/kg dry	50	11/20/20 02:04	5035A/8260D	
Vinyl chloride	ND	18.3	36.6	ug/kg dry	50	11/20/20 02:04	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*108 %*	*Limits: 80-120 %*	*1*	*11/20/20 02:04*	*5035A/8260D*	
Toluene-d8 (Surr)			*100 %*	*80-120 %*	*1*	*11/20/20 02:04*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*101 %*	*79-120 %*	*1*	*11/20/20 02:04*	*5035A/8260D*	
USMPDI-006SC-D-12-14-201110 (A0K0482-21)				**Matrix: SE**		**Batch: 0110771**		
Benzene	ND	7.64	15.3	ug/kg dry	50	11/20/20 19:50	5035A/8260D	
Toluene	ND	38.2	76.4	ug/kg dry	50	11/20/20 19:50	5035A/8260D	
Ethylbenzene	ND	19.1	38.2	ug/kg dry	50	11/20/20 19:50	5035A/8260D	
m,p-Xylene	ND	38.2	76.4	ug/kg dry	50	11/20/20 19:50	5035A/8260D	
o-Xylene	ND	19.1	38.2	ug/kg dry	50	11/20/20 19:50	5035A/8260D	
Chlorobenzene	ND	19.1	38.2	ug/kg dry	50	11/20/20 19:50	5035A/8260D	
1,1-Dichloroethene	ND	19.1	38.2	ug/kg dry	50	11/20/20 19:50	5035A/8260D	
cis-1,2-Dichloroethene	ND	19.1	38.2	ug/kg dry	50	11/20/20 19:50	5035A/8260D	
Tetrachloroethene (PCE)	ND	19.1	38.2	ug/kg dry	50	11/20/20 19:50	5035A/8260D	
Trichloroethene (TCE)	ND	19.1	38.2	ug/kg dry	50	11/20/20 19:50	5035A/8260D	

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ORELAP ID: **OR100062**

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

ANALYTICAL SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 5035A/8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-006SC-D-12-14-201110 (A0K0482-21)				**Matrix: SE**		**Batch: 0110771**		
Vinyl chloride	ND	19.1	38.2	ug/kg dry	50	11/20/20 19:50	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*107 %*	*Limits: 80-120 %*	*1*	*11/20/20 19:50*	*5035A/8260D*	
Toluene-d8 (Surr)			*99 %*	*80-120 %*	*1*	*11/20/20 19:50*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*101 %*	*79-120 %*	*1*	*11/20/20 19:50*	*5035A/8260D*	
USMPDI-1006SC-D-10-12-201110 (A0K0482-22)				**Matrix: SE**		**Batch: 0110771**		**Q-37**
Benzene	ND	7.66	15.3	ug/kg dry	50	11/20/20 18:56	5035A/8260D	
Toluene	ND	38.3	76.6	ug/kg dry	50	11/20/20 18:56	5035A/8260D	Q-42
Ethylbenzene	ND	19.2	38.3	ug/kg dry	50	11/20/20 18:56	5035A/8260D	
m,p-Xylene	ND	38.3	76.6	ug/kg dry	50	11/20/20 18:56	5035A/8260D	Q-42
o-Xylene	ND	19.2	38.3	ug/kg dry	50	11/20/20 18:56	5035A/8260D	
Chlorobenzene	ND	19.2	38.3	ug/kg dry	50	11/20/20 18:56	5035A/8260D	
1,1-Dichloroethene	ND	19.2	38.3	ug/kg dry	50	11/20/20 18:56	5035A/8260D	
cis-1,2-Dichloroethene	ND	19.2	38.3	ug/kg dry	50	11/20/20 18:56	5035A/8260D	
Tetrachloroethene (PCE)	ND	19.2	38.3	ug/kg dry	50	11/20/20 18:56	5035A/8260D	
Trichloroethene (TCE)	ND	19.2	38.3	ug/kg dry	50	11/20/20 18:56	5035A/8260D	
Vinyl chloride	ND	19.2	38.3	ug/kg dry	50	11/20/20 18:56	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*108 %*	*Limits: 80-120 %*	*1*	*11/20/20 18:56*	*5035A/8260D*	
Toluene-d8 (Surr)			*100 %*	*80-120 %*	*1*	*11/20/20 18:56*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*102 %*	*79-120 %*	*1*	*11/20/20 18:56*	*5035A/8260D*	

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ORELAP ID: **OR100062**

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

ANALYTICAL SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-003SC-A-01-02-201110 (A0K0482-01)				**Matrix: SE**		**Batch: 1012827**		**C-07**
Aroclor 1016	ND	2.75	5.50	ug/kg dry	1	01/15/21 09:11	EPA 8082A	
Aroclor 1221	ND	2.75	5.50	ug/kg dry	1	01/15/21 09:11	EPA 8082A	
Aroclor 1232	ND	2.75	5.50	ug/kg dry	1	01/15/21 09:11	EPA 8082A	
Aroclor 1242	ND	2.75	5.50	ug/kg dry	1	01/15/21 09:11	EPA 8082A	
Aroclor 1248	ND	2.75	5.50	ug/kg dry	1	01/15/21 09:11	EPA 8082A	
Aroclor 1254	ND	2.75	5.50	ug/kg dry	1	01/15/21 09:11	EPA 8082A	
Aroclor 1260	ND	2.75	5.50	ug/kg dry	1	01/15/21 09:11	EPA 8082A	
Aroclor 1262	ND	2.75	5.50	ug/kg dry	1	01/15/21 09:11	EPA 8082A	
Aroclor 1268	ND	2.75	5.50	ug/kg dry	1	01/15/21 09:11	EPA 8082A	
Surrogate: Decachlorobiphenyl (Surr)		*Recovery: 85 %*		*Limits: 60-125 %*	*1*	*01/15/21 09:11*	*EPA 8082A*	
USMPDI-003SC-A-02-03-201110 (A0K0482-02)				**Matrix: SE**		**Batch: 1012827**		**C-07**
Aroclor 1016	ND	2.32	4.65	ug/kg dry	1	01/15/21 09:47	EPA 8082A	
Aroclor 1221	ND	2.32	4.65	ug/kg dry	1	01/15/21 09:47	EPA 8082A	
Aroclor 1232	ND	2.32	4.65	ug/kg dry	1	01/15/21 09:47	EPA 8082A	
Aroclor 1242	ND	2.32	4.65	ug/kg dry	1	01/15/21 09:47	EPA 8082A	
Aroclor 1248	ND	2.32	4.65	ug/kg dry	1	01/15/21 09:47	EPA 8082A	
Aroclor 1254	ND	2.32	4.65	ug/kg dry	1	01/15/21 09:47	EPA 8082A	
Aroclor 1260	ND	2.32	4.65	ug/kg dry	1	01/15/21 09:47	EPA 8082A	
Aroclor 1262	ND	2.32	4.65	ug/kg dry	1	01/15/21 09:47	EPA 8082A	
Aroclor 1268	ND	2.32	4.65	ug/kg dry	1	01/15/21 09:47	EPA 8082A	
Surrogate: Decachlorobiphenyl (Surr)		*Recovery: 90 %*		*Limits: 60-125 %*	*1*	*01/15/21 09:47*	*EPA 8082A*	
USMPDI-003SC-A-03-04-201110 (A0K0482-03)				**Matrix: SE**		**Batch: 1012827**		**C-07**
Aroclor 1016	ND	2.31	4.62	ug/kg dry	1	01/14/21 10:39	EPA 8082A	
Aroclor 1221	ND	2.31	4.62	ug/kg dry	1	01/14/21 10:39	EPA 8082A	
Aroclor 1232	ND	2.31	4.62	ug/kg dry	1	01/14/21 10:39	EPA 8082A	
Aroclor 1242	ND	2.31	4.62	ug/kg dry	1	01/14/21 10:39	EPA 8082A	
Aroclor 1248	ND	2.31	4.62	ug/kg dry	1	01/14/21 10:39	EPA 8082A	
Aroclor 1254	ND	2.31	4.62	ug/kg dry	1	01/14/21 10:39	EPA 8082A	
Aroclor 1260	ND	2.31	4.62	ug/kg dry	1	01/14/21 10:39	EPA 8082A	
Aroclor 1262	ND	2.31	4.62	ug/kg dry	1	01/14/21 10:39	EPA 8082A	
Aroclor 1268	ND	2.31	4.62	ug/kg dry	1	01/14/21 10:39	EPA 8082A	

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ORELAP ID: **OR100062**

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

ANALYTICAL SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-003SC-A-03-04-201110 (A0K0482-03)				**Matrix: SE**		**Batch: 1012827**		**C-07**
Surrogate: Decachlorobiphenyl (Surr)			*Recovery: 105 %*	*Limits: 60-125 %*	*1*	*01/14/21 10:39*	*EPA 8082A*	
USMPDI-003SC-A-04-05-201110 (A0K0482-04)				**Matrix: SE**		**Batch: 1012827**		**C-07**
Aroclor 1016	ND	2.45	4.90	ug/kg dry	1	01/15/21 10:26	EPA 8082A	
Aroclor 1221	ND	2.45	4.90	ug/kg dry	1	01/15/21 10:26	EPA 8082A	
Aroclor 1232	ND	2.45	4.90	ug/kg dry	1	01/15/21 10:26	EPA 8082A	
Aroclor 1242	ND	2.45	4.90	ug/kg dry	1	01/15/21 10:26	EPA 8082A	
Aroclor 1248	ND	2.45	4.90	ug/kg dry	1	01/15/21 10:26	EPA 8082A	
Aroclor 1254	ND	2.45	4.90	ug/kg dry	1	01/15/21 10:26	EPA 8082A	
Aroclor 1260	ND	2.45	4.90	ug/kg dry	1	01/15/21 10:26	EPA 8082A	
Aroclor 1262	ND	2.45	4.90	ug/kg dry	1	01/15/21 10:26	EPA 8082A	
Aroclor 1268	ND	2.45	4.90	ug/kg dry	1	01/15/21 10:26	EPA 8082A	
Surrogate: Decachlorobiphenyl (Surr)			*Recovery: 86 %*	*Limits: 60-125 %*	*1*	*01/15/21 10:26*	*EPA 8082A*	
USMPDI-1003SC-A-01-02-201110 (A0K0482-05)				**Matrix: SE**		**Batch: 1012827**		**C-07**
Aroclor 1016	ND	2.68	5.36	ug/kg dry	1	01/15/21 11:02	EPA 8082A	
Aroclor 1221	ND	2.68	5.36	ug/kg dry	1	01/15/21 11:02	EPA 8082A	
Aroclor 1232	ND	2.68	5.36	ug/kg dry	1	01/15/21 11:02	EPA 8082A	
Aroclor 1242	ND	2.68	5.36	ug/kg dry	1	01/15/21 11:02	EPA 8082A	
Aroclor 1248	ND	2.68	5.36	ug/kg dry	1	01/15/21 11:02	EPA 8082A	
Aroclor 1254	ND	2.68	5.36	ug/kg dry	1	01/15/21 11:02	EPA 8082A	
Aroclor 1260	ND	2.68	5.36	ug/kg dry	1	01/15/21 11:02	EPA 8082A	
Aroclor 1262	ND	2.68	5.36	ug/kg dry	1	01/15/21 11:02	EPA 8082A	
Aroclor 1268	ND	2.68	5.36	ug/kg dry	1	01/15/21 11:02	EPA 8082A	
Surrogate: Decachlorobiphenyl (Surr)			*Recovery: 93 %*	*Limits: 60-125 %*	*1*	*01/15/21 11:02*	*EPA 8082A*	
USMPDI-003SC-B-06-08-201110 (A0K0482-10)				**Matrix: SE**		**Batch: 1012827**		**C-07**
Aroclor 1016	ND	2.19	4.38	ug/kg dry	1	01/15/21 11:40	EPA 8082A	
Aroclor 1221	ND	2.19	4.38	ug/kg dry	1	01/15/21 11:40	EPA 8082A	
Aroclor 1232	ND	2.19	4.38	ug/kg dry	1	01/15/21 11:40	EPA 8082A	
Aroclor 1242	ND	2.19	4.38	ug/kg dry	1	01/15/21 11:40	EPA 8082A	
Aroclor 1248	ND	2.19	4.38	ug/kg dry	1	01/15/21 11:40	EPA 8082A	
Aroclor 1254	ND	2.19	4.38	ug/kg dry	1	01/15/21 11:40	EPA 8082A	
Aroclor 1260	ND	2.19	4.38	ug/kg dry	1	01/15/21 11:40	EPA 8082A	

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Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

ANALYTICAL SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-003SC-B-06-08-201110 (A0K0482-10)				**Matrix: SE**		**Batch: 1012827**		**C-07**
Aroclor 1262	ND	2.19	4.38	ug/kg dry	1	01/15/21 11:40	EPA 8082A	
Aroclor 1268	ND	2.19	4.38	ug/kg dry	1	01/15/21 11:40	EPA 8082A	
Surrogate: Decachlorobiphenyl (Surr)		*Recovery: 87 %*		*Limits: 60-125 %*	*1*	*01/15/21 11:40*	*EPA 8082A*	
USMPDI-006SC-A-01-02-201110 (A0K0482-11)				**Matrix: SE**		**Batch: 1012827**		**C-07**
Aroclor 1016	ND	9.01	9.01	ug/kg dry	1	01/15/21 12:16	EPA 8082A	R-02
Aroclor 1221	ND	11.1	11.1	ug/kg dry	1	01/15/21 12:16	EPA 8082A	R-02
Aroclor 1232	ND	24.2	24.2	ug/kg dry	1	01/15/21 12:16	EPA 8082A	R-02
Aroclor 1242	ND	13.3	13.3	ug/kg dry	1	01/15/21 12:16	EPA 8082A	R-02
Aroclor 1248	ND	14.4	14.4	ug/kg dry	1	01/15/21 12:16	EPA 8082A	R-02
Aroclor 1254	**15.3**	3.16	6.32	ug/kg dry	1	01/15/21 12:16	EPA 8082A	**P-12**
Aroclor 1260	**9.66**	3.16	6.32	ug/kg dry	1	01/15/21 12:16	EPA 8082A	**P-12**
Aroclor 1262	ND	3.16	6.32	ug/kg dry	1	01/15/21 12:16	EPA 8082A	
Aroclor 1268	ND	3.16	6.32	ug/kg dry	1	01/15/21 12:16	EPA 8082A	
Surrogate: Decachlorobiphenyl (Surr)		*Recovery: 86 %*		*Limits: 60-125 %*	*1*	*01/15/21 12:16*	*EPA 8082A*	
USMPDI-006SC-A-02-03-201110 (A0K0482-12)				**Matrix: SE**		**Batch: 1012827**		**C-07**
Aroclor 1016	ND	2.64	5.27	ug/kg dry	1	01/15/21 09:47	EPA 8082A	
Aroclor 1221	ND	2.64	5.27	ug/kg dry	1	01/15/21 09:47	EPA 8082A	
Aroclor 1232	ND	5.27	5.27	ug/kg dry	1	01/15/21 09:47	EPA 8082A	
Aroclor 1242	ND	2.64	5.27	ug/kg dry	1	01/15/21 09:47	EPA 8082A	
Aroclor 1248	ND	2.64	5.27	ug/kg dry	1	01/15/21 09:47	EPA 8082A	
Aroclor 1254	**3.45**	2.64	5.27	ug/kg dry	1	01/15/21 09:47	EPA 8082A	**J**
Aroclor 1260	ND	2.64	5.27	ug/kg dry	1	01/15/21 09:47	EPA 8082A	
Aroclor 1262	ND	2.64	5.27	ug/kg dry	1	01/15/21 09:47	EPA 8082A	
Aroclor 1268	ND	2.64	5.27	ug/kg dry	1	01/15/21 09:47	EPA 8082A	
Surrogate: Decachlorobiphenyl (Surr)		*Recovery: 115 %*		*Limits: 60-125 %*	*1*	*01/15/21 09:47*	*EPA 8082A*	
USMPDI-006SC-A-03-04-201110 (A0K0482-13)				**Matrix: SE**		**Batch: 1012827**		**C-07**
Aroclor 1016	ND	2.24	4.49	ug/kg dry	1	01/15/21 10:26	EPA 8082A	
Aroclor 1221	ND	2.24	4.49	ug/kg dry	1	01/15/21 10:26	EPA 8082A	
Aroclor 1232	ND	4.49	4.49	ug/kg dry	1	01/15/21 10:26	EPA 8082A	
Aroclor 1242	ND	2.24	4.49	ug/kg dry	1	01/15/21 10:26	EPA 8082A	

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Darwin Thomas, Business Development Director

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

ANALYTICAL SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-006SC-A-03-04-201110 (A0K0482-13)				**Matrix: SE**		**Batch: 1012827**		**C-07**
Aroclor 1248	ND	2.24	4.49	ug/kg dry	1	01/15/21 10:26	EPA 8082A	
Aroclor 1254	ND	2.24	4.49	ug/kg dry	1	01/15/21 10:26	EPA 8082A	
Aroclor 1260	ND	2.24	4.49	ug/kg dry	1	01/15/21 10:26	EPA 8082A	
Aroclor 1262	ND	2.24	4.49	ug/kg dry	1	01/15/21 10:26	EPA 8082A	
Aroclor 1268	ND	2.24	4.49	ug/kg dry	1	01/15/21 10:26	EPA 8082A	
Surrogate: Decachlorobiphenyl (Surr)		*Recovery: 110 %*		*Limits: 60-125 %*	*1*	*01/15/21 10:26*	*EPA 8082A*	
USMPDI-006SC-A-04-05-201110 (A0K0482-14)				**Matrix: SE**		**Batch: 1012827**		**C-07**
Aroclor 1016	ND	2.24	4.49	ug/kg dry	1	01/15/21 11:02	EPA 8082A	
Aroclor 1221	ND	2.24	4.49	ug/kg dry	1	01/15/21 11:02	EPA 8082A	
Aroclor 1232	ND	4.49	4.49	ug/kg dry	1	01/15/21 11:02	EPA 8082A	
Aroclor 1242	ND	2.24	4.49	ug/kg dry	1	01/15/21 11:02	EPA 8082A	
Aroclor 1248	ND	2.24	4.49	ug/kg dry	1	01/15/21 11:02	EPA 8082A	
Aroclor 1254	ND	2.24	4.49	ug/kg dry	1	01/15/21 11:02	EPA 8082A	
Aroclor 1260	ND	2.24	4.49	ug/kg dry	1	01/15/21 11:02	EPA 8082A	
Aroclor 1262	ND	2.24	4.49	ug/kg dry	1	01/15/21 11:02	EPA 8082A	
Aroclor 1268	ND	2.24	4.49	ug/kg dry	1	01/15/21 11:02	EPA 8082A	
Surrogate: Decachlorobiphenyl (Surr)		*Recovery: 109 %*		*Limits: 60-125 %*	*1*	*01/15/21 11:02*	*EPA 8082A*	
USMPDI-006SC-D-06-08-201110 (A0K0482-18)				**Matrix: SE**		**Batch: 1012827**		**C-07**
Aroclor 1016	ND	2.30	4.60	ug/kg dry	1	01/15/21 11:40	EPA 8082A	
Aroclor 1221	ND	2.30	4.60	ug/kg dry	1	01/15/21 11:40	EPA 8082A	
Aroclor 1232	ND	2.30	4.60	ug/kg dry	1	01/15/21 11:40	EPA 8082A	
Aroclor 1242	ND	2.30	4.60	ug/kg dry	1	01/15/21 11:40	EPA 8082A	
Aroclor 1248	ND	2.30	4.60	ug/kg dry	1	01/15/21 11:40	EPA 8082A	
Aroclor 1254	ND	2.30	4.60	ug/kg dry	1	01/15/21 11:40	EPA 8082A	
Aroclor 1260	ND	2.30	4.60	ug/kg dry	1	01/15/21 11:40	EPA 8082A	
Aroclor 1262	ND	2.30	4.60	ug/kg dry	1	01/15/21 11:40	EPA 8082A	
Aroclor 1268	ND	2.30	4.60	ug/kg dry	1	01/15/21 11:40	EPA 8082A	
Surrogate: Decachlorobiphenyl (Surr)		*Recovery: 110 %*		*Limits: 60-125 %*	*1*	*01/15/21 11:40*	*EPA 8082A*	
USMPDI-006SC-D-08-10-201110 (A0K0482-19)				**Matrix: SE**		**Batch: 1012827**		**C-07**
Aroclor 1016	ND	2.57	5.15	ug/kg dry	1	01/15/21 12:16	EPA 8082A	

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Darwin Thomas, Business Development Director

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

ANALYTICAL SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-006SC-D-08-10-201110 (A0K0482-19)				**Matrix: SE**		**Batch: 1012827**		**C-07**
Aroclor 1221	ND	2.57	5.15	ug/kg dry	1	01/15/21 12:16	EPA 8082A	
Aroclor 1232	ND	2.57	5.15	ug/kg dry	1	01/15/21 12:16	EPA 8082A	
Aroclor 1242	ND	2.57	5.15	ug/kg dry	1	01/15/21 12:16	EPA 8082A	
Aroclor 1248	ND	2.57	5.15	ug/kg dry	1	01/15/21 12:16	EPA 8082A	
Aroclor 1254	ND	2.57	5.15	ug/kg dry	1	01/15/21 12:16	EPA 8082A	
Aroclor 1260	ND	2.57	5.15	ug/kg dry	1	01/15/21 12:16	EPA 8082A	
Aroclor 1262	ND	2.57	5.15	ug/kg dry	1	01/15/21 12:16	EPA 8082A	
Aroclor 1268	ND	2.57	5.15	ug/kg dry	1	01/15/21 12:16	EPA 8082A	
Surrogate: Decachlorobiphenyl (Surr)		*Recovery: 116 %*		*Limits: 60-125 %*	*1*	*01/15/21 12:16*	*EPA 8082A*	
USMPDI-006SC-D-10-12-201110 (A0K0482-20)				**Matrix: SE**		**Batch: 1012827**		**C-07**
Aroclor 1016	ND	2.60	5.19	ug/kg dry	1	01/15/21 12:53	EPA 8082A	
Aroclor 1221	ND	2.60	5.19	ug/kg dry	1	01/15/21 12:53	EPA 8082A	
Aroclor 1232	ND	5.19	5.19	ug/kg dry	1	01/15/21 12:53	EPA 8082A	
Aroclor 1242	ND	2.60	5.19	ug/kg dry	1	01/15/21 12:53	EPA 8082A	
Aroclor 1248	ND	2.60	5.19	ug/kg dry	1	01/15/21 12:53	EPA 8082A	
Aroclor 1254	ND	2.60	5.19	ug/kg dry	1	01/15/21 12:53	EPA 8082A	
Aroclor 1260	ND	2.60	5.19	ug/kg dry	1	01/15/21 12:53	EPA 8082A	
Aroclor 1262	ND	2.60	5.19	ug/kg dry	1	01/15/21 12:53	EPA 8082A	
Aroclor 1268	ND	2.60	5.19	ug/kg dry	1	01/15/21 12:53	EPA 8082A	
Surrogate: Decachlorobiphenyl (Surr)		*Recovery: 114 %*		*Limits: 60-125 %*	*1*	*01/15/21 12:53*	*EPA 8082A*	
USMPDI-006SC-D-12-14-201110 (A0K0482-21)				**Matrix: SE**		**Batch: 1012827**		**C-07**
Aroclor 1016	ND	2.54	5.08	ug/kg dry	1	01/14/21 08:17	EPA 8082A	
Aroclor 1221	ND	2.54	5.08	ug/kg dry	1	01/14/21 08:17	EPA 8082A	
Aroclor 1232	ND	2.54	5.08	ug/kg dry	1	01/14/21 08:17	EPA 8082A	
Aroclor 1242	ND	2.54	5.08	ug/kg dry	1	01/14/21 08:17	EPA 8082A	
Aroclor 1248	ND	2.54	5.08	ug/kg dry	1	01/14/21 08:17	EPA 8082A	
Aroclor 1254	ND	2.54	5.08	ug/kg dry	1	01/14/21 08:17	EPA 8082A	
Aroclor 1260	ND	2.54	5.08	ug/kg dry	1	01/14/21 08:17	EPA 8082A	
Aroclor 1262	ND	2.54	5.08	ug/kg dry	1	01/14/21 08:17	EPA 8082A	
Aroclor 1268	ND	2.54	5.08	ug/kg dry	1	01/14/21 08:17	EPA 8082A	
Surrogate: Decachlorobiphenyl (Surr)		*Recovery: 113 %*		*Limits: 60-125 %*	*1*	*01/14/21 08:17*	*EPA 8082A*	

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Darwin Thomas, Business Development Director

Apex Laboratories, LLC

6700 S.W. Sandburg Street
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503-718-2323
ORELAP ID: **OR100062**

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

ANALYTICAL SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-1006SC-D-10-12-201110 (A0K0482-22)				**Matrix: SE**		**Batch: 1012827**		**C-07**
Aroclor 1016	ND	2.63	5.25	ug/kg dry	1	01/14/21 10:03	EPA 8082A	
Aroclor 1221	ND	2.63	5.25	ug/kg dry	1	01/14/21 10:03	EPA 8082A	
Aroclor 1232	ND	2.63	5.25	ug/kg dry	1	01/14/21 10:03	EPA 8082A	
Aroclor 1242	ND	2.63	5.25	ug/kg dry	1	01/14/21 10:03	EPA 8082A	
Aroclor 1248	ND	2.63	5.25	ug/kg dry	1	01/14/21 10:03	EPA 8082A	
Aroclor 1254	ND	2.63	5.25	ug/kg dry	1	01/14/21 10:03	EPA 8082A	
Aroclor 1260	ND	2.63	5.25	ug/kg dry	1	01/14/21 10:03	EPA 8082A	
Aroclor 1262	ND	2.63	5.25	ug/kg dry	1	01/14/21 10:03	EPA 8082A	
Aroclor 1268	ND	2.63	5.25	ug/kg dry	1	01/14/21 10:03	EPA 8082A	
Surrogate: Decachlorobiphenyl (Surr)		*Recovery: 110 %*		*Limits: 60-125 %*	*1*	*01/14/21 10:03*	*EPA 8082A*	

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Darwin Thomas, Business Development Director

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503-718-2323
ORELAP ID: **OR100062**

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-003SC-A-01-02-201110 (A0K0482-01RE1)				**Matrix: SE**		**Batch: 1012907**		**C-05, H-08**
2,4'-DDD	ND	1.40	2.79	ug/kg dry	1	01/18/21 16:49	EPA 8081B	
2,4'-DDE	ND	1.40	2.79	ug/kg dry	1	01/18/21 16:49	EPA 8081B	
2,4'-DDT	ND	1.40	2.79	ug/kg dry	1	01/18/21 16:49	EPA 8081B	
4,4'-DDD	ND	1.40	2.79	ug/kg dry	1	01/18/21 16:49	EPA 8081B	
4,4'-DDE	ND	1.40	2.79	ug/kg dry	1	01/18/21 16:49	EPA 8081B	
4,4'-DDT	ND	1.40	2.79	ug/kg dry	1	01/18/21 16:49	EPA 8081B	
Surrogate: 2,4,5,6-TCMX (Surr)			*Recovery: 30 %*	*Limits: 42-129 %*	*1*	*01/18/21 16:49*	*EPA 8081B*	*S-06*
Decachlorobiphenyl (Surr)			*87 %*	*55-130 %*	*1*	*01/18/21 16:49*	*EPA 8081B*	
USMPDI-003SC-A-02-03-201110 (A0K0482-02RE1)				**Matrix: SE**		**Batch: 1012907**		**C-05, H-08**
2,4'-DDD	ND	1.25	2.50	ug/kg dry	1	01/18/21 17:24	EPA 8081B	
2,4'-DDE	ND	1.25	2.50	ug/kg dry	1	01/18/21 17:24	EPA 8081B	
2,4'-DDT	ND	1.25	2.50	ug/kg dry	1	01/18/21 17:24	EPA 8081B	
4,4'-DDD	ND	1.25	2.50	ug/kg dry	1	01/18/21 17:24	EPA 8081B	
4,4'-DDE	ND	1.25	2.50	ug/kg dry	1	01/18/21 17:24	EPA 8081B	
4,4'-DDT	ND	1.25	2.50	ug/kg dry	1	01/18/21 17:24	EPA 8081B	
Surrogate: 2,4,5,6-TCMX (Surr)			*Recovery: 63 %*	*Limits: 42-129 %*	*1*	*01/18/21 17:24*	*EPA 8081B*	
Decachlorobiphenyl (Surr)			*101 %*	*55-130 %*	*1*	*01/18/21 17:24*	*EPA 8081B*	
USMPDI-003SC-A-03-04-201110 (A0K0482-03RE1)				**Matrix: SE**		**Batch: 1012907**		**C-05, H-08**
2,4'-DDD	ND	1.16	2.32	ug/kg dry	1	01/18/21 17:41	EPA 8081B	
2,4'-DDE	ND	1.16	2.32	ug/kg dry	1	01/18/21 17:41	EPA 8081B	
2,4'-DDT	ND	1.16	2.32	ug/kg dry	1	01/18/21 17:41	EPA 8081B	
4,4'-DDD	ND	1.16	2.32	ug/kg dry	1	01/18/21 17:41	EPA 8081B	
4,4'-DDE	ND	1.16	2.32	ug/kg dry	1	01/18/21 17:41	EPA 8081B	
4,4'-DDT	ND	1.16	2.32	ug/kg dry	1	01/18/21 17:41	EPA 8081B	
Surrogate: 2,4,5,6-TCMX (Surr)			*Recovery: 52 %*	*Limits: 42-129 %*	*1*	*01/18/21 17:41*	*EPA 8081B*	
Decachlorobiphenyl (Surr)			*101 %*	*55-130 %*	*1*	*01/18/21 17:41*	*EPA 8081B*	
USMPDI-003SC-A-04-05-201110 (A0K0482-04RE1)				**Matrix: SE**		**Batch: 1012907**		**C-05, H-08**
2,4'-DDD	ND	1.25	2.49	ug/kg dry	1	01/18/21 19:23	EPA 8081B	
2,4'-DDE	ND	1.25	2.49	ug/kg dry	1	01/18/21 19:23	EPA 8081B	
2,4'-DDT	ND	1.25	2.49	ug/kg dry	1	01/18/21 19:23	EPA 8081B	
4,4'-DDD	ND	1.25	2.49	ug/kg dry	1	01/18/21 19:23	EPA 8081B	

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Darwin Thomas, Business Development Director

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ORELAP ID: **OR100062**

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-003SC-A-04-05-201110 (A0K0482-04RE1)				**Matrix: SE**		**Batch: 1012907**		**C-05, H-08**
4,4'-DDT	ND	1.25	2.49	ug/kg dry	1	01/18/21 19:23	EPA 8081B	
Surrogate: 2,4,5,6-TCMX (Surr)		*Recovery: 52 %*		*Limits: 42-129 %*	*1*	*01/18/21 19:23*	*EPA 8081B*	
Decachlorobiphenyl (Surr)			*99 %*	*55-130 %*	*1*	*01/18/21 19:23*	*EPA 8081B*	
USMPDI-003SC-A-04-05-201110 (A0K0482-04RE2)				**Matrix: SE**		**Batch: 1012907**		**C-05, H-08**
4,4'-DDE	ND	1.25	2.49	ug/kg dry	1	01/21/21 13:52	EPA 8081B	
Surrogate: 2,4,5,6-TCMX (Surr)		*Recovery: 53 %*		*Limits: 42-129 %*	*1*	*01/21/21 13:52*	*EPA 8081B*	
Decachlorobiphenyl (Surr)			*105 %*	*55-130 %*	*1*	*01/21/21 13:52*	*EPA 8081B*	
USMPDI-1003SC-A-01-02-201110 (A0K0482-05RE1)				**Matrix: SE**		**Batch: 1012907**		**C-05, H-08**
2,4'-DDD	ND	1.38	2.77	ug/kg dry	1	01/18/21 19:40	EPA 8081B	
2,4'-DDE	ND	1.38	2.77	ug/kg dry	1	01/18/21 19:40	EPA 8081B	
2,4'-DDT	ND	1.38	2.77	ug/kg dry	1	01/18/21 19:40	EPA 8081B	
4,4'-DDD	ND	1.38	2.77	ug/kg dry	1	01/18/21 19:40	EPA 8081B	
4,4'-DDT	ND	1.38	2.77	ug/kg dry	1	01/18/21 19:40	EPA 8081B	
Surrogate: 2,4,5,6-TCMX (Surr)		*Recovery: 61 %*		*Limits: 42-129 %*	*1*	*01/18/21 19:40*	*EPA 8081B*	
Decachlorobiphenyl (Surr)			*94 %*	*55-130 %*	*1*	*01/18/21 19:40*	*EPA 8081B*	
USMPDI-1003SC-A-01-02-201110 (A0K0482-05RE2)				**Matrix: SE**		**Batch: 1012907**		**C-05, H-08**
4,4'-DDE	ND	1.38	2.77	ug/kg dry	1	01/21/21 14:09	EPA 8081B	
Surrogate: 2,4,5,6-TCMX (Surr)		*Recovery: 62 %*		*Limits: 42-129 %*	*1*	*01/21/21 14:09*	*EPA 8081B*	
Decachlorobiphenyl (Surr)			*97 %*	*55-130 %*	*1*	*01/21/21 14:09*	*EPA 8081B*	
USMPDI-003SC-B-06-08-201110 (A0K0482-10RE1)				**Matrix: SE**		**Batch: 1012907**		**C-05, H-08**
2,4'-DDD	ND	1.13	2.25	ug/kg dry	1	01/18/21 19:57	EPA 8081B	
2,4'-DDE	ND	1.13	2.25	ug/kg dry	1	01/18/21 19:57	EPA 8081B	
2,4'-DDT	ND	1.13	2.25	ug/kg dry	1	01/18/21 19:57	EPA 8081B	
4,4'-DDD	ND	1.13	2.25	ug/kg dry	1	01/18/21 19:57	EPA 8081B	
4,4'-DDT	ND	1.13	2.25	ug/kg dry	1	01/18/21 19:57	EPA 8081B	
Surrogate: 2,4,5,6-TCMX (Surr)		*Recovery: 62 %*		*Limits: 42-129 %*	*1*	*01/18/21 19:57*	*EPA 8081B*	
Decachlorobiphenyl (Surr)			*88 %*	*55-130 %*	*1*	*01/18/21 19:57*	*EPA 8081B*	
USMPDI-003SC-B-06-08-201110 (A0K0482-10RE2)				**Matrix: SE**		**Batch: 1012907**		**C-05, H-08**
4,4'-DDE	ND	1.13	2.25	ug/kg dry	1	01/21/21 14:26	EPA 8081B	

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Darwin Thomas, Business Development Director

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-003SC-B-06-08-201110 (A0K0482-10RE2)				**Matrix: SE**		**Batch: 1012907**		**C-05, H-08**
Surrogate: 2,4,5,6-TCMX (Surr)			*Recovery: 64 %*	*Limits: 42-129 %*	*1*	*01/21/21 14:26*	*EPA 8081B*	
Decachlorobiphenyl (Surr)			*94 %*	*55-130 %*	*1*	*01/21/21 14:26*	*EPA 8081B*	
USMPDI-006SC-A-01-02-201110 (A0K0482-11RE1)				**Matrix: SE**		**Batch: 1012907**		**C-05, H-08**
2,4'-DDD	ND	3.21	3.21	ug/kg dry	1	01/18/21 20:14	EPA 8081B	R-02
2,4'-DDE	ND	4.28	4.28	ug/kg dry	1	01/18/21 20:14	EPA 8081B	R-02
2,4'-DDT	ND	3.06	3.06	ug/kg dry	1	01/18/21 20:14	EPA 8081B	
4,4'-DDD	**9.37**	1.53	3.06	ug/kg dry	1	01/18/21 20:14	EPA 8081B	**P-11**
4,4'-DDT	ND	3.06	3.06	ug/kg dry	1	01/18/21 20:14	EPA 8081B	
Surrogate: 2,4,5,6-TCMX (Surr)			*Recovery: 58 %*	*Limits: 42-129 %*	*1*	*01/18/21 20:14*	*EPA 8081B*	
Decachlorobiphenyl (Surr)			*96 %*	*55-130 %*	*1*	*01/18/21 20:14*	*EPA 8081B*	
USMPDI-006SC-A-01-02-201110 (A0K0482-11RE2)				**Matrix: SE**		**Batch: 1012907**		**C-05, H-08**
4,4'-DDE	**4.07**	1.53	3.06	ug/kg dry	1	01/21/21 14:43	EPA 8081B	
Surrogate: 2,4,5,6-TCMX (Surr)			*Recovery: 59 %*	*Limits: 42-129 %*	*1*	*01/21/21 14:43*	*EPA 8081B*	
Decachlorobiphenyl (Surr)			*90 %*	*55-130 %*	*1*	*01/21/21 14:43*	*EPA 8081B*	
USMPDI-006SC-A-02-03-201110 (A0K0482-12RE1)				**Matrix: SE**		**Batch: 1012907**		**C-05, H-08**
2,4'-DDD	ND	1.43	2.85	ug/kg dry	1	01/18/21 20:51	EPA 8081B	
2,4'-DDE	ND	1.43	2.85	ug/kg dry	1	01/18/21 20:51	EPA 8081B	
2,4'-DDT	ND	1.43	2.85	ug/kg dry	1	01/18/21 20:51	EPA 8081B	
4,4'-DDD	ND	1.43	2.85	ug/kg dry	1	01/18/21 20:51	EPA 8081B	
4,4'-DDT	ND	1.43	2.85	ug/kg dry	1	01/18/21 20:51	EPA 8081B	
Surrogate: 2,4,5,6-TCMX (Surr)			*Recovery: 51 %*	*Limits: 42-129 %*	*1*	*01/18/21 20:51*	*EPA 8081B*	
Decachlorobiphenyl (Surr)			*84 %*	*55-130 %*	*1*	*01/18/21 20:51*	*EPA 8081B*	
USMPDI-006SC-A-02-03-201110 (A0K0482-12RE2)				**Matrix: SE**		**Batch: 1012907**		**C-05, H-08**
4,4'-DDE	ND	1.43	2.85	ug/kg dry	1	01/21/21 15:21	EPA 8081B	
Surrogate: 2,4,5,6-TCMX (Surr)			*Recovery: 60 %*	*Limits: 42-129 %*	*1*	*01/21/21 15:21*	*EPA 8081B*	
Decachlorobiphenyl (Surr)			*104 %*	*55-130 %*	*1*	*01/21/21 15:21*	*EPA 8081B*	
USMPDI-006SC-A-03-04-201110 (A0K0482-13RE1)				**Matrix: SE**		**Batch: 1012907**		**C-05, H-08**
2,4'-DDD	ND	1.20	2.40	ug/kg dry	1	01/18/21 21:08	EPA 8081B	
2,4'-DDE	ND	1.20	2.40	ug/kg dry	1	01/18/21 21:08	EPA 8081B	

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Darwin Thomas, Business Development Director

Apex Laboratories, LLC

6700 S.W. Sandburg Street
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503-718-2323
ORELAP ID: **OR100062**

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-006SC-A-03-04-201110 (A0K0482-13RE1)				**Matrix: SE**		**Batch: 1012907**		**C-05, H-08**
2,4'-DDT	ND	1.20	2.40	ug/kg dry	1	01/18/21 21:08	EPA 8081B	
4,4'-DDD	ND	1.20	2.40	ug/kg dry	1	01/18/21 21:08	EPA 8081B	
4,4'-DDT	ND	1.20	2.40	ug/kg dry	1	01/18/21 21:08	EPA 8081B	
Surrogate: 2,4,5,6-TCMX (Surr)			*Recovery: 68 %*	*Limits: 42-129 %*	*1*	*01/18/21 21:08*	*EPA 8081B*	
Decachlorobiphenyl (Surr)			*96 %*	*55-130 %*	*1*	*01/18/21 21:08*	*EPA 8081B*	
USMPDI-006SC-A-03-04-201110 (A0K0482-13RE2)				**Matrix: SE**		**Batch: 1012907**		**C-05, H-08**
4,4'-DDE	ND	1.20	2.40	ug/kg dry	1	01/21/21 15:38	EPA 8081B	
Surrogate: 2,4,5,6-TCMX (Surr)			*Recovery: 72 %*	*Limits: 42-129 %*	*1*	*01/21/21 15:38*	*EPA 8081B*	
Decachlorobiphenyl (Surr)			*109 %*	*55-130 %*	*1*	*01/21/21 15:38*	*EPA 8081B*	
USMPDI-006SC-A-04-05-201110 (A0K0482-14RE1)				**Matrix: SE**		**Batch: 1012907**		**C-05, H-08**
2,4'-DDD	ND	1.15	2.29	ug/kg dry	1	01/18/21 21:25	EPA 8081B	
2,4'-DDE	ND	1.15	2.29	ug/kg dry	1	01/18/21 21:25	EPA 8081B	
2,4'-DDT	ND	1.15	2.29	ug/kg dry	1	01/18/21 21:25	EPA 8081B	
4,4'-DDD	ND	1.15	2.29	ug/kg dry	1	01/18/21 21:25	EPA 8081B	
4,4'-DDT	ND	1.15	2.29	ug/kg dry	1	01/18/21 21:25	EPA 8081B	
Surrogate: 2,4,5,6-TCMX (Surr)			*Recovery: 52 %*	*Limits: 42-129 %*	*1*	*01/18/21 21:25*	*EPA 8081B*	
Decachlorobiphenyl (Surr)			*83 %*	*55-130 %*	*1*	*01/18/21 21:25*	*EPA 8081B*	
USMPDI-006SC-A-04-05-201110 (A0K0482-14RE2)				**Matrix: SE**		**Batch: 1012907**		**C-05, H-08**
4,4'-DDE	ND	1.15	2.29	ug/kg dry	1	01/21/21 15:55	EPA 8081B	
Surrogate: 2,4,5,6-TCMX (Surr)			*Recovery: 60 %*	*Limits: 42-129 %*	*1*	*01/21/21 15:55*	*EPA 8081B*	
Decachlorobiphenyl (Surr)			*103 %*	*55-130 %*	*1*	*01/21/21 15:55*	*EPA 8081B*	
USMPDI-006SC-D-06-08-201110 (A0K0482-18RE1)				**Matrix: SE**		**Batch: 1012907**		**C-05, H-08**
2,4'-DDD	ND	1.18	2.35	ug/kg dry	1	01/18/21 21:42	EPA 8081B	
2,4'-DDE	ND	1.18	2.35	ug/kg dry	1	01/18/21 21:42	EPA 8081B	
2,4'-DDT	ND	1.18	2.35	ug/kg dry	1	01/18/21 21:42	EPA 8081B	
4,4'-DDD	ND	1.18	2.35	ug/kg dry	1	01/18/21 21:42	EPA 8081B	
4,4'-DDT	ND	1.18	2.35	ug/kg dry	1	01/18/21 21:42	EPA 8081B	
Surrogate: 2,4,5,6-TCMX (Surr)			*Recovery: 54 %*	*Limits: 42-129 %*	*1*	*01/18/21 21:42*	*EPA 8081B*	
Decachlorobiphenyl (Surr)			*88 %*	*55-130 %*	*1*	*01/18/21 21:42*	*EPA 8081B*	

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Darwin Thomas, Business Development Director

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-006SC-D-06-08-201110 (A0K0482-18RE2)				**Matrix: SE**		**Batch: 1012907**		**C-05, H-08**
4,4'-DDE	ND	1.18	2.35	ug/kg dry	1	01/21/21 16:12	EPA 8081B	
Surrogate: 2,4,5,6-TCMX (Surr)		*Recovery:*	*63 %*	*Limits: 42-129 %*	*1*	*01/21/21 16:12*	*EPA 8081B*	
Decachlorobiphenyl (Surr)			*99 %*	*55-130 %*	*1*	*01/21/21 16:12*	*EPA 8081B*	
USMPDI-006SC-D-08-10-201110 (A0K0482-19RE1)				**Matrix: SE**		**Batch: 1012907**		**C-05, H-08**
2,4'-DDD	ND	1.24	2.48	ug/kg dry	1	01/18/21 22:50	EPA 8081B	
2,4'-DDE	ND	1.24	2.48	ug/kg dry	1	01/18/21 22:50	EPA 8081B	
2,4'-DDT	ND	1.24	2.48	ug/kg dry	1	01/18/21 22:50	EPA 8081B	
4,4'-DDD	ND	1.24	2.48	ug/kg dry	1	01/18/21 22:50	EPA 8081B	
4,4'-DDT	ND	1.24	2.48	ug/kg dry	1	01/18/21 22:50	EPA 8081B	
Surrogate: 2,4,5,6-TCMX (Surr)		*Recovery:*	*58 %*	*Limits: 42-129 %*	*1*	*01/18/21 22:50*	*EPA 8081B*	
Decachlorobiphenyl (Surr)			*89 %*	*55-130 %*	*1*	*01/18/21 22:50*	*EPA 8081B*	
USMPDI-006SC-D-08-10-201110 (A0K0482-19RE2)				**Matrix: SE**		**Batch: 1012907**		**C-05, H-08**
4,4'-DDE	ND	1.24	2.48	ug/kg dry	1	01/21/21 16:29	EPA 8081B	
Surrogate: 2,4,5,6-TCMX (Surr)		*Recovery:*	*71 %*	*Limits: 42-129 %*	*1*	*01/21/21 16:29*	*EPA 8081B*	
Decachlorobiphenyl (Surr)			*99 %*	*55-130 %*	*1*	*01/21/21 16:29*	*EPA 8081B*	
USMPDI-006SC-D-10-12-201110 (A0K0482-20RE1)				**Matrix: SE**		**Batch: 1012907**		**C-05, H-08**
2,4'-DDD	ND	1.31	2.63	ug/kg dry	1	01/18/21 23:07	EPA 8081B	
2,4'-DDE	ND	1.31	2.63	ug/kg dry	1	01/18/21 23:07	EPA 8081B	
2,4'-DDT	ND	1.31	2.63	ug/kg dry	1	01/18/21 23:07	EPA 8081B	
4,4'-DDD	ND	1.31	2.63	ug/kg dry	1	01/18/21 23:07	EPA 8081B	
4,4'-DDT	ND	1.31	2.63	ug/kg dry	1	01/18/21 23:07	EPA 8081B	
Surrogate: 2,4,5,6-TCMX (Surr)		*Recovery:*	*57 %*	*Limits: 42-129 %*	*1*	*01/18/21 23:07*	*EPA 8081B*	
Decachlorobiphenyl (Surr)			*90 %*	*55-130 %*	*1*	*01/18/21 23:07*	*EPA 8081B*	
USMPDI-006SC-D-10-12-201110 (A0K0482-20RE2)				**Matrix: SE**		**Batch: 1012907**		**C-05, H-08**
4,4'-DDE	ND	1.31	2.63	ug/kg dry	1	01/21/21 16:46	EPA 8081B	
Surrogate: 2,4,5,6-TCMX (Surr)		*Recovery:*	*66 %*	*Limits: 42-129 %*	*1*	*01/21/21 16:46*	*EPA 8081B*	
Decachlorobiphenyl (Surr)			*99 %*	*55-130 %*	*1*	*01/21/21 16:46*	*EPA 8081B*	
USMPDI-006SC-D-12-14-201110 (A0K0482-21RE1)				**Matrix: SE**		**Batch: 1012907**		**C-05, H-08**
2,4'-DDD	ND	1.30	2.59	ug/kg dry	1	01/18/21 23:24	EPA 8081B	

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Darwin Thomas, Business Development Director

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503-718-2323
ORELAP ID: **OR100062**

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-006SC-D-12-14-201110 (A0K0482-21RE1)				**Matrix: SE**		**Batch: 1012907**		**C-05, H-08**
2,4'-DDE	ND	1.30	2.59	ug/kg dry	1	01/18/21 23:24	EPA 8081B	
2,4'-DDT	ND	1.30	2.59	ug/kg dry	1	01/18/21 23:24	EPA 8081B	
4,4'-DDD	ND	1.30	2.59	ug/kg dry	1	01/18/21 23:24	EPA 8081B	
4,4'-DDT	ND	1.30	2.59	ug/kg dry	1	01/18/21 23:24	EPA 8081B	
Surrogate: 2,4,5,6-TCMX (Surr)		*Recovery: 75 %*		*Limits: 42-129 %*	*1*	*01/18/21 23:24*	*EPA 8081B*	
Decachlorobiphenyl (Surr)			*108 %*	*55-130 %*	*1*	*01/18/21 23:24*	*EPA 8081B*	
USMPDI-006SC-D-12-14-201110 (A0K0482-21RE2)				**Matrix: SE**		**Batch: 1012907**		**C-05, H-08**
4,4'-DDE	ND	1.30	2.59	ug/kg dry	1	01/21/21 17:55	EPA 8081B	
Surrogate: 2,4,5,6-TCMX (Surr)		*Recovery: 73 %*		*Limits: 42-129 %*	*1*	*01/21/21 17:55*	*EPA 8081B*	
Decachlorobiphenyl (Surr)			*107 %*	*55-130 %*	*1*	*01/21/21 17:55*	*EPA 8081B*	
USMPDI-1006SC-D-10-12-201110 (A0K0482-22RE1)				**Matrix: SE**		**Batch: 1012907**		**C-05, H-08**
2,4'-DDD	ND	1.31	2.62	ug/kg dry	1	01/19/21 00:15	EPA 8081B	
2,4'-DDE	ND	1.31	2.62	ug/kg dry	1	01/19/21 00:15	EPA 8081B	
2,4'-DDT	ND	1.31	2.62	ug/kg dry	1	01/19/21 00:15	EPA 8081B	
4,4'-DDD	ND	1.31	2.62	ug/kg dry	1	01/19/21 00:15	EPA 8081B	
4,4'-DDT	ND	1.31	2.62	ug/kg dry	1	01/19/21 00:15	EPA 8081B	
Surrogate: 2,4,5,6-TCMX (Surr)		*Recovery: 46 %*		*Limits: 42-129 %*	*1*	*01/19/21 00:15*	*EPA 8081B*	
Decachlorobiphenyl (Surr)			*91 %*	*55-130 %*	*1*	*01/19/21 00:15*	*EPA 8081B*	
USMPDI-1006SC-D-10-12-201110 (A0K0482-22RE2)				**Matrix: SE**		**Batch: 1012907**		**C-05, H-08**
4,4'-DDE	ND	1.31	2.62	ug/kg dry	1	01/21/21 18:46	EPA 8081B	
Surrogate: 2,4,5,6-TCMX (Surr)		*Recovery: 57 %*		*Limits: 42-129 %*	*1*	*01/21/21 18:46*	*EPA 8081B*	
Decachlorobiphenyl (Surr)			*103 %*	*55-130 %*	*1*	*01/21/21 18:46*	*EPA 8081B*	

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ORELAP ID: **OR100062**

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

ANALYTICAL SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-003SC-A-01-02-201110 (A0K0482-01)				**Matrix: SE**		**Batch: 1012490**		**H-08**
Acenaphthene	**11.8**	1.74	3.49	ug/kg dry	1	01/05/21 22:57	EPA 8270E	
Acenaphthylene	**1.86**	1.74	3.49	ug/kg dry	1	01/05/21 22:57	EPA 8270E	**J**
Anthracene	**1.98**	1.74	3.49	ug/kg dry	1	01/05/21 22:57	EPA 8270E	**J**
Benz(a)anthracene	**5.56**	1.74	3.49	ug/kg dry	1	01/05/21 22:57	EPA 8270E	
Benzo(a)pyrene	**8.21**	1.74	3.49	ug/kg dry	1	01/05/21 22:57	EPA 8270E	
Benzo(b)fluoranthene	**7.57**	1.74	3.49	ug/kg dry	1	01/05/21 22:57	EPA 8270E	
Benzo(k)fluoranthene	**2.41**	1.74	3.49	ug/kg dry	1	01/05/21 22:57	EPA 8270E	**J**
Benzo(g,h,i)perylene	**6.93**	1.74	3.49	ug/kg dry	1	01/05/21 22:57	EPA 8270E	
Chrysene	**6.90**	1.74	3.49	ug/kg dry	1	01/05/21 22:57	EPA 8270E	
Dibenz(a,h)anthracene	ND	1.74	3.49	ug/kg dry	1	01/05/21 22:57	EPA 8270E	
Fluoranthene	**16.3**	1.74	3.49	ug/kg dry	1	01/05/21 22:57	EPA 8270E	
Fluorene	**1.81**	1.74	3.49	ug/kg dry	1	01/05/21 22:57	EPA 8270E	**J**
Indeno(1,2,3-cd)pyrene	**5.37**	1.74	3.49	ug/kg dry	1	01/05/21 22:57	EPA 8270E	
2-Methylnaphthalene	**2.72**	1.74	3.49	ug/kg dry	1	01/05/21 22:57	EPA 8270E	**J**
Naphthalene	**7.92**	1.74	3.49	ug/kg dry	1	01/05/21 22:57	EPA 8270E	
Phenanthrene	**21.4**	1.74	3.49	ug/kg dry	1	01/05/21 22:57	EPA 8270E	**Q-42**
Pyrene	**18.6**	1.74	3.49	ug/kg dry	1	01/05/21 22:57	EPA 8270E	
Surrogate: 2-Fluorobiphenyl (Surr)		*Recovery:*	*84 %*	*Limits: 44-120 %*	*1*	*01/05/21 22:57*	*EPA 8270E*	
p-Terphenyl-d14 (Surr)			*89 %*	*54-127 %*	*1*	*01/05/21 22:57*	*EPA 8270E*	
USMPDI-003SC-A-02-03-201110 (A0K0482-02)				**Matrix: SE**		**Batch: 1012490**		**H-08**
Acenaphthene	**2.18**	1.57	3.14	ug/kg dry	1	01/06/21 16:25	EPA 8270E	**J**
Acenaphthylene	ND	1.57	3.14	ug/kg dry	1	01/06/21 16:25	EPA 8270E	
Anthracene	ND	1.57	3.14	ug/kg dry	1	01/06/21 16:25	EPA 8270E	
Benz(a)anthracene	**2.00**	1.57	3.14	ug/kg dry	1	01/06/21 16:25	EPA 8270E	**J**
Benzo(a)pyrene	**5.09**	1.57	3.14	ug/kg dry	1	01/06/21 16:25	EPA 8270E	
Benzo(b)fluoranthene	**3.80**	1.57	3.14	ug/kg dry	1	01/06/21 16:25	EPA 8270E	
Benzo(k)fluoranthene	ND	1.57	3.14	ug/kg dry	1	01/06/21 16:25	EPA 8270E	
Benzo(g,h,i)perylene	**4.77**	1.57	3.14	ug/kg dry	1	01/06/21 16:25	EPA 8270E	
Chrysene	**2.06**	1.57	3.14	ug/kg dry	1	01/06/21 16:25	EPA 8270E	**J**
Dibenz(a,h)anthracene	ND	1.57	3.14	ug/kg dry	1	01/06/21 16:25	EPA 8270E	
Fluoranthene	**4.89**	1.57	3.14	ug/kg dry	1	01/06/21 16:25	EPA 8270E	
Fluorene	ND	1.57	3.14	ug/kg dry	1	01/06/21 16:25	EPA 8270E	

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Darwin Thomas, Business Development Director

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

ANALYTICAL SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-003SC-A-02-03-201110 (A0K0482-02)				**Matrix: SE**		**Batch: 1012490**		**H-08**
Indeno(1,2,3-cd)pyrene	**3.83**	1.57	3.14	ug/kg dry	1	01/06/21 16:25	EPA 8270E	
2-Methylnaphthalene	ND	1.57	3.14	ug/kg dry	1	01/06/21 16:25	EPA 8270E	
Naphthalene	ND	1.57	3.14	ug/kg dry	1	01/06/21 16:25	EPA 8270E	
Phenanthrene	**6.04**	1.57	3.14	ug/kg dry	1	01/06/21 16:25	EPA 8270E	
Pyrene	**6.99**	1.57	3.14	ug/kg dry	1	01/06/21 16:25	EPA 8270E	
Surrogate: 2-Fluorobiphenyl (Surr)			*Recovery: 84 %*	*Limits: 44-120 %*	*1*	*01/06/21 16:25*	*EPA 8270E*	
p-Terphenyl-d14 (Surr)			*101 %*	*54-127 %*	*1*	*01/06/21 16:25*	*EPA 8270E*	
USMPDI-003SC-A-03-04-201110 (A0K0482-03)				**Matrix: SE**		**Batch: 1012490**		**H-08**
Acenaphthene	**2.05**	1.45	2.90	ug/kg dry	1	01/06/21 02:30	EPA 8270E	**J**
Acenaphthylene	ND	1.45	2.90	ug/kg dry	1	01/06/21 02:30	EPA 8270E	
Anthracene	ND	1.45	2.90	ug/kg dry	1	01/06/21 02:30	EPA 8270E	
Benz(a)anthracene	**1.56**	1.45	2.90	ug/kg dry	1	01/06/21 02:30	EPA 8270E	**J**
Benzo(a)pyrene	**2.73**	1.45	2.90	ug/kg dry	1	01/06/21 02:30	EPA 8270E	**J**
Benzo(b)fluoranthene	**2.36**	1.45	2.90	ug/kg dry	1	01/06/21 02:30	EPA 8270E	**J**
Benzo(k)fluoranthene	ND	1.45	2.90	ug/kg dry	1	01/06/21 02:30	EPA 8270E	
Benzo(g,h,i)perylene	**2.03**	1.45	2.90	ug/kg dry	1	01/06/21 02:30	EPA 8270E	**J**
Chrysene	**1.89**	1.45	2.90	ug/kg dry	1	01/06/21 02:30	EPA 8270E	**J**
Dibenz(a,h)anthracene	ND	1.45	2.90	ug/kg dry	1	01/06/21 02:30	EPA 8270E	
Fluoranthene	**3.52**	1.45	2.90	ug/kg dry	1	01/06/21 02:30	EPA 8270E	
Fluorene	ND	1.45	2.90	ug/kg dry	1	01/06/21 02:30	EPA 8270E	
Indeno(1,2,3-cd)pyrene	**1.69**	1.45	2.90	ug/kg dry	1	01/06/21 02:30	EPA 8270E	**J**
2-Methylnaphthalene	ND	1.45	2.90	ug/kg dry	1	01/06/21 02:30	EPA 8270E	
Naphthalene	ND	1.45	2.90	ug/kg dry	1	01/06/21 02:30	EPA 8270E	
Phenanthrene	**5.26**	1.45	2.90	ug/kg dry	1	01/06/21 02:30	EPA 8270E	
Pyrene	**4.78**	1.45	2.90	ug/kg dry	1	01/06/21 02:30	EPA 8270E	
Surrogate: 2-Fluorobiphenyl (Surr)			*Recovery: 68 %*	*Limits: 44-120 %*	*1*	*01/06/21 02:30*	*EPA 8270E*	
p-Terphenyl-d14 (Surr)			*81 %*	*54-127 %*	*1*	*01/06/21 02:30*	*EPA 8270E*	
USMPDI-003SC-A-04-05-201110 (A0K0482-04)				**Matrix: SE**		**Batch: 1012490**		**H-08**
Acenaphthene	**8.64**	1.56	3.12	ug/kg dry	1	01/06/21 16:57	EPA 8270E	
Acenaphthylene	ND	1.56	3.12	ug/kg dry	1	01/06/21 16:57	EPA 8270E	
Anthracene	**1.67**	1.56	3.12	ug/kg dry	1	01/06/21 16:57	EPA 8270E	**J**

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Darwin Thomas, Business Development Director

Apex Laboratories, LLC

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503-718-2323
ORELAP ID: **OR100062**

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

ANALYTICAL SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-003SC-A-04-05-201110 (A0K0482-04)				**Matrix: SE**		**Batch: 1012490**		**H-08**
Benz(a)anthracene	**6.67**	1.56	3.12	ug/kg dry	1	01/06/21 16:57	EPA 8270E	
Benzo(a)pyrene	**11.2**	1.56	3.12	ug/kg dry	1	01/06/21 16:57	EPA 8270E	
Benzo(b)fluoranthene	**9.10**	1.56	3.12	ug/kg dry	1	01/06/21 16:57	EPA 8270E	
Benzo(k)fluoranthene	**3.03**	1.56	3.12	ug/kg dry	1	01/06/21 16:57	EPA 8270E	**J**
Benzo(g,h,i)perylene	**7.81**	1.56	3.12	ug/kg dry	1	01/06/21 16:57	EPA 8270E	
Chrysene	**7.72**	1.56	3.12	ug/kg dry	1	01/06/21 16:57	EPA 8270E	
Dibenz(a,h)anthracene	ND	1.56	3.12	ug/kg dry	1	01/06/21 16:57	EPA 8270E	
Fluoranthene	**18.4**	1.56	3.12	ug/kg dry	1	01/06/21 16:57	EPA 8270E	
Fluorene	**2.10**	1.56	3.12	ug/kg dry	1	01/06/21 16:57	EPA 8270E	**J**
Indeno(1,2,3-cd)pyrene	**6.39**	1.56	3.12	ug/kg dry	1	01/06/21 16:57	EPA 8270E	
2-Methylnaphthalene	ND	1.56	3.12	ug/kg dry	1	01/06/21 16:57	EPA 8270E	
Naphthalene	**3.05**	1.56	3.12	ug/kg dry	1	01/06/21 16:57	EPA 8270E	**J**
Phenanthrene	**25.3**	1.56	3.12	ug/kg dry	1	01/06/21 16:57	EPA 8270E	
Pyrene	**22.3**	1.56	3.12	ug/kg dry	1	01/06/21 16:57	EPA 8270E	
Surrogate: 2-Fluorobiphenyl (Surr)		*Recovery:*	*69 %*	*Limits: 44-120 %*	*1*	*01/06/21 16:57*	*EPA 8270E*	
p-Terphenyl-d14 (Surr)			*90 %*	*54-127 %*	*1*	*01/06/21 16:57*	*EPA 8270E*	
USMPDI-1003SC-A-01-02-201110 (A0K0482-05)				**Matrix: SE**		**Batch: 1012490**		**H-08**
Acenaphthene	**10.5**	1.79	3.59	ug/kg dry	1	01/06/21 17:29	EPA 8270E	
Acenaphthylene	ND	1.79	3.59	ug/kg dry	1	01/06/21 17:29	EPA 8270E	
Anthracene	**4.97**	1.79	3.59	ug/kg dry	1	01/06/21 17:29	EPA 8270E	
Benz(a)anthracene	**17.2**	1.79	3.59	ug/kg dry	1	01/06/21 17:29	EPA 8270E	
Benzo(a)pyrene	**25.7**	1.79	3.59	ug/kg dry	1	01/06/21 17:29	EPA 8270E	
Benzo(b)fluoranthene	**22.1**	1.79	3.59	ug/kg dry	1	01/06/21 17:29	EPA 8270E	
Benzo(k)fluoranthene	**8.24**	1.79	3.59	ug/kg dry	1	01/06/21 17:29	EPA 8270E	**M-05**
Benzo(g,h,i)perylene	**13.3**	1.79	3.59	ug/kg dry	1	01/06/21 17:29	EPA 8270E	
Chrysene	**17.5**	1.79	3.59	ug/kg dry	1	01/06/21 17:29	EPA 8270E	
Dibenz(a,h)anthracene	**1.80**	1.79	3.59	ug/kg dry	1	01/06/21 17:29	EPA 8270E	**J**
Fluoranthene	**43.2**	1.79	3.59	ug/kg dry	1	01/06/21 17:29	EPA 8270E	
Fluorene	**2.93**	1.79	3.59	ug/kg dry	1	01/06/21 17:29	EPA 8270E	**J**
Indeno(1,2,3-cd)pyrene	**12.3**	1.79	3.59	ug/kg dry	1	01/06/21 17:29	EPA 8270E	
2-Methylnaphthalene	**2.42**	1.79	3.59	ug/kg dry	1	01/06/21 17:29	EPA 8270E	**J**
Naphthalene	**4.10**	1.79	3.59	ug/kg dry	1	01/06/21 17:29	EPA 8270E	

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Darwin Thomas, Business Development Director

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503-718-2323
ORELAP ID: **OR100062**

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

ANALYTICAL SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-1003SC-A-01-02-201110 (A0K0482-05)				**Matrix: SE**		**Batch: 1012490**		**H-08**
Phenanthrene	**33.6**	1.79	3.59	ug/kg dry	1	01/06/21 17:29	EPA 8270E	
Pyrene	**40.7**	1.79	3.59	ug/kg dry	1	01/06/21 17:29	EPA 8270E	
Surrogate: 2-Fluorobiphenyl (Surr)		*Recovery: 77 %*		*Limits: 44-120 %*	*1*	*01/06/21 17:29*	*EPA 8270E*	
p-Terphenyl-d14 (Surr)			*93 %*	*54-127 %*	*1*	*01/06/21 17:29*	*EPA 8270E*	
USMPDI-003SC-B-00-02-201110 (A0K0482-07)				**Matrix: SE**		**Batch: 1012490**		**R-04**
Pentachlorophenol (PCP)	ND	47.8	95.7	ug/kg wet	4	01/06/21 07:37	EPA 8270E	
Surrogate: 2,4,6-Tribromophenol (Surr)		*Recovery: 126 %*		*Limits: 39-132 %*	*4*	*01/06/21 07:37*	*EPA 8270E*	
USMPDI-003SC-B-02-04-201110 (A0K0482-08)				**Matrix: SE**		**Batch: 1012490**		**H-08**
Pentachlorophenol (PCP)	ND	15.3	30.7	ug/kg dry	1	01/06/21 06:02	EPA 8270E	
Surrogate: 2,4,6-Tribromophenol (Surr)		*Recovery: 103 %*		*Limits: 39-132 %*	*1*	*01/06/21 06:02*	*EPA 8270E*	
USMPDI-003SC-B-04-06-201110 (A0K0482-09)				**Matrix: SE**		**Batch: 1012490**		**H-08**
Pentachlorophenol (PCP)	ND	15.2	30.4	ug/kg dry	1	01/06/21 06:33	EPA 8270E	
Surrogate: 2,4,6-Tribromophenol (Surr)		*Recovery: 119 %*		*Limits: 39-132 %*	*1*	*01/06/21 06:33*	*EPA 8270E*	
USMPDI-003SC-B-06-08-201110 (A0K0482-10)				**Matrix: SE**		**Batch: 1012490**		**H-08**
Acenaphthene	ND	1.49	2.98	ug/kg dry	1	01/06/21 07:05	EPA 8270E	
Acenaphthylene	ND	1.49	2.98	ug/kg dry	1	01/06/21 07:05	EPA 8270E	
Anthracene	ND	1.49	2.98	ug/kg dry	1	01/06/21 07:05	EPA 8270E	
Benz(a)anthracene	ND	1.49	2.98	ug/kg dry	1	01/06/21 07:05	EPA 8270E	
Benzo(a)pyrene	ND	1.49	2.98	ug/kg dry	1	01/06/21 07:05	EPA 8270E	
Benzo(b)fluoranthene	ND	1.49	2.98	ug/kg dry	1	01/06/21 07:05	EPA 8270E	
Benzo(k)fluoranthene	ND	1.49	2.98	ug/kg dry	1	01/06/21 07:05	EPA 8270E	
Benzo(g,h,i)perylene	ND	1.49	2.98	ug/kg dry	1	01/06/21 07:05	EPA 8270E	
Chrysene	ND	1.49	2.98	ug/kg dry	1	01/06/21 07:05	EPA 8270E	
Dibenz(a,h)anthracene	ND	1.49	2.98	ug/kg dry	1	01/06/21 07:05	EPA 8270E	
Fluoranthene	ND	1.49	2.98	ug/kg dry	1	01/06/21 07:05	EPA 8270E	
Fluorene	ND	1.49	2.98	ug/kg dry	1	01/06/21 07:05	EPA 8270E	
Indeno(1,2,3-cd)pyrene	ND	1.49	2.98	ug/kg dry	1	01/06/21 07:05	EPA 8270E	
2-Methylnaphthalene	ND	1.49	2.98	ug/kg dry	1	01/06/21 07:05	EPA 8270E	
Naphthalene	ND	1.49	2.98	ug/kg dry	1	01/06/21 07:05	EPA 8270E	
Phenanthrene	ND	1.49	2.98	ug/kg dry	1	01/06/21 07:05	EPA 8270E	

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Darwin Thomas, Business Development Director

Apex Laboratories, LLC

6700 S.W. Sandburg Street
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ORELAP ID: **OR100062**

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

ANALYTICAL SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-003SC-B-06-08-201110 (A0K0482-10)				**Matrix: SE**		**Batch: 1012490**		**H-08**
Pyrene	ND	1.49	2.98	ug/kg dry	1	01/06/21 07:05	EPA 8270E	
Pentachlorophenol (PCP)	ND	14.9	29.8	ug/kg dry	1	01/06/21 07:05	EPA 8270E	
Surrogate: 2-Fluorobiphenyl (Surr)		*Recovery: 78 %*		*Limits: 44-120 %*	*1*	*01/06/21 07:05*	*EPA 8270E*	
p-Terphenyl-d14 (Surr)			*83 %*	*54-127 %*	*1*	*01/06/21 07:05*	*EPA 8270E*	
2,4,6-Tribromophenol (Surr)			*115 %*	*39-132 %*	*1*	*01/06/21 07:05*	*EPA 8270E*	
USMPDI-006SC-A-01-02-201110 (A0K0482-11)				**Matrix: SE**		**Batch: 1012490**		**H-08**
Acenaphthene	**267**	77.5	155	ug/kg dry	40	01/06/21 18:01	EPA 8270E	
Acenaphthylene	**264**	77.5	155	ug/kg dry	40	01/06/21 18:01	EPA 8270E	
Anthracene	**315**	77.5	155	ug/kg dry	40	01/06/21 18:01	EPA 8270E	
Benz(a)anthracene	**1400**	77.5	155	ug/kg dry	40	01/06/21 18:01	EPA 8270E	
Benzo(a)pyrene	**2660**	77.5	155	ug/kg dry	40	01/06/21 18:01	EPA 8270E	
Benzo(b)fluoranthene	**2100**	77.5	155	ug/kg dry	40	01/06/21 18:01	EPA 8270E	
Benzo(k)fluoranthene	**743**	77.5	155	ug/kg dry	40	01/06/21 18:01	EPA 8270E	**M-05**
Benzo(g,h,i)perylene	**1810**	77.5	155	ug/kg dry	40	01/06/21 18:01	EPA 8270E	
Chrysene	**1660**	77.5	155	ug/kg dry	40	01/06/21 18:01	EPA 8270E	
Dibenz(a,h)anthracene	**202**	77.5	155	ug/kg dry	40	01/06/21 18:01	EPA 8270E	
Fluoranthene	**2640**	77.5	155	ug/kg dry	40	01/06/21 18:01	EPA 8270E	
Fluorene	**158**	77.5	155	ug/kg dry	40	01/06/21 18:01	EPA 8270E	
Indeno(1,2,3-cd)pyrene	**1510**	77.5	155	ug/kg dry	40	01/06/21 18:01	EPA 8270E	
2-Methylnaphthalene	**124**	77.5	155	ug/kg dry	40	01/06/21 18:01	EPA 8270E	**J**
Naphthalene	**426**	77.5	155	ug/kg dry	40	01/06/21 18:01	EPA 8270E	
Phenanthrene	**1470**	77.5	155	ug/kg dry	40	01/06/21 18:01	EPA 8270E	
Pyrene	**2950**	77.5	155	ug/kg dry	40	01/06/21 18:01	EPA 8270E	
Surrogate: 2-Fluorobiphenyl (Surr)		*Recovery: 70 %*		*Limits: 44-120 %*	*40*	*01/06/21 18:01*	*EPA 8270E*	*S-05*
p-Terphenyl-d14 (Surr)			*110 %*	*54-127 %*	*40*	*01/06/21 18:01*	*EPA 8270E*	*S-05*
USMPDI-006SC-A-02-03-201110 (A0K0482-12)				**Matrix: SE**		**Batch: 1012490**		**H-08**
Acenaphthene	**140**	7.12	14.2	ug/kg dry	4	01/06/21 18:33	EPA 8270E	
Acenaphthylene	**33.7**	7.12	14.2	ug/kg dry	4	01/06/21 18:33	EPA 8270E	
Anthracene	**50.1**	7.12	14.2	ug/kg dry	4	01/06/21 18:33	EPA 8270E	
Benz(a)anthracene	**212**	7.12	14.2	ug/kg dry	4	01/06/21 18:33	EPA 8270E	
Benzo(a)pyrene	**347**	7.12	14.2	ug/kg dry	4	01/06/21 18:33	EPA 8270E	
Benzo(b)fluoranthene	**284**	7.12	14.2	ug/kg dry	4	01/06/21 18:33	EPA 8270E	

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6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

ANALYTICAL SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-006SC-A-02-03-201110 (A0K0482-12)				**Matrix: SE**		**Batch: 1012490**		**H-08**
Benzo(k)fluoranthene	**105**	7.12	14.2	ug/kg dry	4	01/06/21 18:33	EPA 8270E	**M-05**
Benzo(g,h,i)perylene	**208**	7.12	14.2	ug/kg dry	4	01/06/21 18:33	EPA 8270E	
Chrysene	**237**	7.12	14.2	ug/kg dry	4	01/06/21 18:33	EPA 8270E	
Dibenz(a,h)anthracene	**26.5**	7.12	14.2	ug/kg dry	4	01/06/21 18:33	EPA 8270E	
Fluoranthene	**557**	7.12	14.2	ug/kg dry	4	01/06/21 18:33	EPA 8270E	
Fluorene	**36.0**	7.12	14.2	ug/kg dry	4	01/06/21 18:33	EPA 8270E	
Indeno(1,2,3-cd)pyrene	**184**	7.12	14.2	ug/kg dry	4	01/06/21 18:33	EPA 8270E	
2-Methylnaphthalene	**11.7**	7.12	14.2	ug/kg dry	4	01/06/21 18:33	EPA 8270E	**J**
Naphthalene	**50.8**	7.12	14.2	ug/kg dry	4	01/06/21 18:33	EPA 8270E	
Phenanthrene	**468**	7.12	14.2	ug/kg dry	4	01/06/21 18:33	EPA 8270E	
Pyrene	**521**	7.12	14.2	ug/kg dry	4	01/06/21 18:33	EPA 8270E	
Surrogate: 2-Fluorobiphenyl (Surr)		*Recovery:*	*85 %*	*Limits:*	*44-120 %*	*01/06/21 18:33*	*EPA 8270E*	
p-Terphenyl-d14 (Surr)			*89 %*		*54-127 %*	*01/06/21 18:33*	*EPA 8270E*	
USMPDI-006SC-A-03-04-201110 (A0K0482-13)				**Matrix: SE**		**Batch: 1012490**		**H-08**
Acenaphthene	**15.7**	1.47	2.93	ug/kg dry	1	01/06/21 19:06	EPA 8270E	
Acenaphthylene	**2.01**	1.47	2.93	ug/kg dry	1	01/06/21 19:06	EPA 8270E	**J**
Anthracene	**1.87**	1.47	2.93	ug/kg dry	1	01/06/21 19:06	EPA 8270E	**J**
Benz(a)anthracene	**9.90**	1.47	2.93	ug/kg dry	1	01/06/21 19:06	EPA 8270E	
Benzo(a)pyrene	**17.3**	1.47	2.93	ug/kg dry	1	01/06/21 19:06	EPA 8270E	
Benzo(b)fluoranthene	**14.5**	1.47	2.93	ug/kg dry	1	01/06/21 19:06	EPA 8270E	
Benzo(k)fluoranthene	**4.76**	1.47	2.93	ug/kg dry	1	01/06/21 19:06	EPA 8270E	**M-05**
Benzo(g,h,i)perylene	**11.6**	1.47	2.93	ug/kg dry	1	01/06/21 19:06	EPA 8270E	
Chrysene	**12.1**	1.47	2.93	ug/kg dry	1	01/06/21 19:06	EPA 8270E	
Dibenz(a,h)anthracene	ND	1.47	2.93	ug/kg dry	1	01/06/21 19:06	EPA 8270E	
Fluoranthene	**27.5**	1.47	2.93	ug/kg dry	1	01/06/21 19:06	EPA 8270E	
Fluorene	**2.27**	1.47	2.93	ug/kg dry	1	01/06/21 19:06	EPA 8270E	**J**
Indeno(1,2,3-cd)pyrene	**9.96**	1.47	2.93	ug/kg dry	1	01/06/21 19:06	EPA 8270E	
2-Methylnaphthalene	ND	1.47	2.93	ug/kg dry	1	01/06/21 19:06	EPA 8270E	
Naphthalene	**1.78**	1.47	2.93	ug/kg dry	1	01/06/21 19:06	EPA 8270E	**J**
Phenanthrene	**58.2**	1.47	2.93	ug/kg dry	1	01/06/21 19:06	EPA 8270E	
Pyrene	**43.1**	1.47	2.93	ug/kg dry	1	01/06/21 19:06	EPA 8270E	
Surrogate: 2-Fluorobiphenyl (Surr)		*Recovery:*	*85 %*	*Limits:*	*44-120 %*	*01/06/21 19:06*	*EPA 8270E*	

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Darwin Thomas, Business Development Director

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

ANALYTICAL SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-006SC-A-03-04-201110 (A0K0482-13)				**Matrix: SE**		**Batch: 1012490**		**H-08**
Surrogate: p-Terphenyl-d14 (Surr)			*Recovery: 101 %*	*Limits: 54-127 %*	*1*	*01/06/21 19:06*	*EPA 8270E*	
USMPDI-006SC-A-04-05-201110 (A0K0482-14)				**Matrix: SE**		**Batch: 1012490**		**H-08**
Acenaphthene	**156**	1.43	2.86	ug/kg dry	1	01/06/21 19:38	EPA 8270E	
Acenaphthylene	**4.88**	1.43	2.86	ug/kg dry	1	01/06/21 19:38	EPA 8270E	
Anthracene	**8.41**	1.43	2.86	ug/kg dry	1	01/06/21 19:38	EPA 8270E	
Benz(a)anthracene	**23.4**	1.43	2.86	ug/kg dry	1	01/06/21 19:38	EPA 8270E	
Benzo(a)pyrene	**28.0**	1.43	2.86	ug/kg dry	1	01/06/21 19:38	EPA 8270E	
Benzo(b)fluoranthene	**22.2**	1.43	2.86	ug/kg dry	1	01/06/21 19:38	EPA 8270E	
Benzo(k)fluoranthene	**6.36**	1.43	2.86	ug/kg dry	1	01/06/21 19:38	EPA 8270E	**M-05**
Benzo(g,h,i)perylene	**18.6**	1.43	2.86	ug/kg dry	1	01/06/21 19:38	EPA 8270E	
Chrysene	**26.0**	1.43	2.86	ug/kg dry	1	01/06/21 19:38	EPA 8270E	
Dibenz(a,h)anthracene	**1.69**	1.43	2.86	ug/kg dry	1	01/06/21 19:38	EPA 8270E	**J**
Fluoranthene	**90.1**	1.43	2.86	ug/kg dry	1	01/06/21 19:38	EPA 8270E	
Fluorene	**14.5**	1.43	2.86	ug/kg dry	1	01/06/21 19:38	EPA 8270E	
Indeno(1,2,3-cd)pyrene	**14.7**	1.43	2.86	ug/kg dry	1	01/06/21 19:38	EPA 8270E	
2-Methylnaphthalene	**5.64**	1.43	2.86	ug/kg dry	1	01/06/21 19:38	EPA 8270E	
Naphthalene	**18.6**	1.43	2.86	ug/kg dry	1	01/06/21 19:38	EPA 8270E	
Pyrene	**145**	1.43	2.86	ug/kg dry	1	01/06/21 19:38	EPA 8270E	
Surrogate: 2-Fluorobiphenyl (Surr)			*Recovery: 82 %*	*Limits: 44-120 %*	*1*	*01/06/21 19:38*	*EPA 8270E*	
p-Terphenyl-d14 (Surr)			*88 %*	*54-127 %*	*1*	*01/06/21 19:38*	*EPA 8270E*	
USMPDI-006SC-A-04-05-201110 (A0K0482-14RE1)				**Matrix: SE**		**Batch: 1012490**		**H-08**
Phenanthrene	**391**	14.3	28.6	ug/kg dry	10	01/06/21 21:01	EPA 8270E	
Surrogate: 2-Fluorobiphenyl (Surr)			*Recovery: 86 %*	*Limits: 44-120 %*	*10*	*01/06/21 21:01*	*EPA 8270E*	
p-Terphenyl-d14 (Surr)			*90 %*	*54-127 %*	*10*	*01/06/21 21:01*	*EPA 8270E*	
USMPDI-006SC-D-00-02-201110 (A0K0482-15)				**Matrix: SE**		**Batch: 1012490**		**H-08, R-04**
Pentachlorophenol (PCP)	**148**	82.6	165	ug/kg dry	4	01/06/21 13:43	EPA 8270E	**J**
Surrogate: 2,4,6-Tribromophenol (Surr)			*Recovery: 123 %*	*Limits: 39-132 %*	*4*	*01/06/21 13:43*	*EPA 8270E*	*Q-41*
USMPDI-006SC-D-02-04-201110 (A0K0482-16)				**Matrix: SE**		**Batch: 1012490**		**H-08**
Pentachlorophenol (PCP)	**15.4**	15.4	30.8	ug/kg dry	1	01/06/21 14:15	EPA 8270E	**J**
Surrogate: 2,4,6-Tribromophenol (Surr)			*Recovery: 142 %*	*Limits: 39-132 %*	*1*	*01/06/21 14:15*	*EPA 8270E*	*Q-41, S-06*

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Darwin Thomas, Business Development Director

Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

ANALYTICAL SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-006SC-D-04-06-201110 (A0K0482-17)				**Matrix: SE**		**Batch: 1012490**		**H-08**
Pentachlorophenol (PCP)	ND	15.0	29.9	ug/kg dry	1	01/06/21 14:48	EPA 8270E	
Surrogate: 2,4,6-Tribromophenol (Surr)		*Recovery: 145 %*		*Limits: 39-132 %*	*1*	*01/06/21 14:48*	*EPA 8270E*	*Q-41, S-06*
USMPDI-006SC-D-06-08-201110 (A0K0482-18)				**Matrix: SE**		**Batch: 1012490**		**H-08**
Acenaphthene	**9.39**	1.52	3.03	ug/kg dry	1	01/06/21 15:20	EPA 8270E	
Acenaphthylene	ND	1.52	3.03	ug/kg dry	1	01/06/21 15:20	EPA 8270E	
Anthracene	**9.52**	1.52	3.03	ug/kg dry	1	01/06/21 15:20	EPA 8270E	
Benz(a)anthracene	**78.8**	1.52	3.03	ug/kg dry	1	01/06/21 15:20	EPA 8270E	
Benzo(a)pyrene	**62.1**	1.52	3.03	ug/kg dry	1	01/06/21 15:20	EPA 8270E	
Benzo(b)fluoranthene	**67.8**	1.52	3.03	ug/kg dry	1	01/06/21 15:20	EPA 8270E	
Benzo(k)fluoranthene	**25.0**	1.52	3.03	ug/kg dry	1	01/06/21 15:20	EPA 8270E	**M-05**
Benzo(g,h,i)perylene	**22.5**	1.52	3.03	ug/kg dry	1	01/06/21 15:20	EPA 8270E	
Chrysene	**80.1**	1.52	3.03	ug/kg dry	1	01/06/21 15:20	EPA 8270E	
Dibenz(a,h)anthracene	**4.97**	1.52	3.03	ug/kg dry	1	01/06/21 15:20	EPA 8270E	
Fluoranthene	**89.6**	1.52	3.03	ug/kg dry	1	01/06/21 15:20	EPA 8270E	
Fluorene	**1.77**	1.52	3.03	ug/kg dry	1	01/06/21 15:20	EPA 8270E	**J**
Indeno(1,2,3-cd)pyrene	**23.3**	1.52	3.03	ug/kg dry	1	01/06/21 15:20	EPA 8270E	
2-Methylnaphthalene	ND	1.52	3.03	ug/kg dry	1	01/06/21 15:20	EPA 8270E	
Naphthalene	**1.57**	1.52	3.03	ug/kg dry	1	01/06/21 15:20	EPA 8270E	**J**
Phenanthrene	**35.8**	1.52	3.03	ug/kg dry	1	01/06/21 15:20	EPA 8270E	
Pyrene	**88.7**	1.52	3.03	ug/kg dry	1	01/06/21 15:20	EPA 8270E	
Pentachlorophenol (PCP)	ND	15.2	30.3	ug/kg dry	1	01/06/21 15:20	EPA 8270E	
Surrogate: 2-Fluorobiphenyl (Surr)		*Recovery: 68 %*		*Limits: 44-120 %*	*1*	*01/06/21 15:20*	*EPA 8270E*	
p-Terphenyl-d14 (Surr)		*96 %*		*54-127 %*	*1*	*01/06/21 15:20*	*EPA 8270E*	
2,4,6-Tribromophenol (Surr)		*128 %*		*39-132 %*	*1*	*01/06/21 15:20*	*EPA 8270E*	*Q-41*
USMPDI-006SC-D-08-10-201110 (A0K0482-19)				**Matrix: SE**		**Batch: 1012490**		**H-08**
Acenaphthene	**1.98**	1.61	3.21	ug/kg dry	1	01/06/21 15:52	EPA 8270E	**J**
Acenaphthylene	ND	1.61	3.21	ug/kg dry	1	01/06/21 15:52	EPA 8270E	
Anthracene	ND	1.61	3.21	ug/kg dry	1	01/06/21 15:52	EPA 8270E	
Benz(a)anthracene	ND	1.61	3.21	ug/kg dry	1	01/06/21 15:52	EPA 8270E	
Benzo(a)pyrene	ND	3.21	3.21	ug/kg dry	1	01/06/21 15:52	EPA 8270E	
Benzo(b)fluoranthene	ND	1.61	3.21	ug/kg dry	1	01/06/21 15:52	EPA 8270E	

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Darwin Thomas, Business Development Director

Apex Laboratories, LLC

6700 S.W. Sandburg Street
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503-718-2323
ORELAP ID: **OR100062**

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

ANALYTICAL SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-006SC-D-08-10-201110 (A0K0482-19)				**Matrix: SE**		**Batch: 1012490**		**H-08**
Benzo(k)fluoranthene	ND	1.61	3.21	ug/kg dry	1	01/06/21 15:52	EPA 8270E	
Benzo(g,h,i)perylene	ND	1.61	3.21	ug/kg dry	1	01/06/21 15:52	EPA 8270E	
Chrysene	ND	1.61	3.21	ug/kg dry	1	01/06/21 15:52	EPA 8270E	
Dibenz(a,h)anthracene	ND	1.61	3.21	ug/kg dry	1	01/06/21 15:52	EPA 8270E	
Fluoranthene	**1.82**	1.61	3.21	ug/kg dry	1	01/06/21 15:52	EPA 8270E	**J**
Fluorene	ND	1.61	3.21	ug/kg dry	1	01/06/21 15:52	EPA 8270E	
Indeno(1,2,3-cd)pyrene	ND	1.61	3.21	ug/kg dry	1	01/06/21 15:52	EPA 8270E	
2-Methylnaphthalene	ND	1.61	3.21	ug/kg dry	1	01/06/21 15:52	EPA 8270E	
Naphthalene	ND	1.61	3.21	ug/kg dry	1	01/06/21 15:52	EPA 8270E	
Phenanthrene	**2.82**	1.61	3.21	ug/kg dry	1	01/06/21 15:52	EPA 8270E	**J**
Pyrene	**2.62**	1.61	3.21	ug/kg dry	1	01/06/21 15:52	EPA 8270E	**J**
Pentachlorophenol (PCP)	ND	16.1	32.1	ug/kg dry	1	01/06/21 15:52	EPA 8270E	
Surrogate: 2-Fluorobiphenyl (Surr)		*Recovery:*	*89 %*	*Limits: 44-120 %*	*1*	*01/06/21 15:52*	*EPA 8270E*	
p-Terphenyl-d14 (Surr)			*95 %*	*54-127 %*	*1*	*01/06/21 15:52*	*EPA 8270E*	
2,4,6-Tribromophenol (Surr)			*140 %*	*39-132 %*	*1*	*01/06/21 15:52*	*EPA 8270E*	*Q-41, S-06*
USMPDI-006SC-D-10-12-201110 (A0K0482-20)				**Matrix: SE**		**Batch: 1012490**		**H-08**
Acenaphthene	ND	1.67	3.35	ug/kg dry	1	01/06/21 05:32	EPA 8270E	
Acenaphthylene	ND	1.67	3.35	ug/kg dry	1	01/06/21 05:32	EPA 8270E	
Anthracene	ND	1.67	3.35	ug/kg dry	1	01/06/21 05:32	EPA 8270E	
Benz(a)anthracene	ND	1.67	3.35	ug/kg dry	1	01/06/21 05:32	EPA 8270E	
Benzo(a)pyrene	ND	1.67	3.35	ug/kg dry	1	01/06/21 05:32	EPA 8270E	
Benzo(b)fluoranthene	ND	1.67	3.35	ug/kg dry	1	01/06/21 05:32	EPA 8270E	
Benzo(k)fluoranthene	ND	1.67	3.35	ug/kg dry	1	01/06/21 05:32	EPA 8270E	
Benzo(g,h,i)perylene	ND	1.67	3.35	ug/kg dry	1	01/06/21 05:32	EPA 8270E	
Chrysene	ND	1.67	3.35	ug/kg dry	1	01/06/21 05:32	EPA 8270E	
Dibenz(a,h)anthracene	ND	1.67	3.35	ug/kg dry	1	01/06/21 05:32	EPA 8270E	
Fluoranthene	ND	1.67	3.35	ug/kg dry	1	01/06/21 05:32	EPA 8270E	
Fluorene	ND	1.67	3.35	ug/kg dry	1	01/06/21 05:32	EPA 8270E	
Indeno(1,2,3-cd)pyrene	ND	1.67	3.35	ug/kg dry	1	01/06/21 05:32	EPA 8270E	
2-Methylnaphthalene	ND	1.67	3.35	ug/kg dry	1	01/06/21 05:32	EPA 8270E	
Naphthalene	ND	1.67	3.35	ug/kg dry	1	01/06/21 05:32	EPA 8270E	
Phenanthrene	ND	1.67	3.35	ug/kg dry	1	01/06/21 05:32	EPA 8270E	
Pyrene	ND	1.67	3.35	ug/kg dry	1	01/06/21 05:32	EPA 8270E	

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Darwin Thomas, Business Development Director

Apex Laboratories, LLC
6700 S.W. Sandburg Street
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503-718-2323
ORELAP ID: **OR100062**

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

ANALYTICAL SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-006SC-D-10-12-201110 (A0K0482-20)				**Matrix: SE**		**Batch: 1012490**		**H-08**
Pentachlorophenol (PCP)	ND	16.7	33.5	ug/kg dry	1	01/06/21 05:32	EPA 8270E	
Surrogate: 2-Fluorobiphenyl (Surr)		*Recovery: 75 %*		*Limits: 44-120 %*	*1*	*01/06/21 05:32*	*EPA 8270E*	
p-Terphenyl-d14 (Surr)			*81 %*	*54-127 %*	*1*	*01/06/21 05:32*	*EPA 8270E*	
2,4,6-Tribromophenol (Surr)			*114 %*	*39-132 %*	*1*	*01/06/21 05:32*	*EPA 8270E*	
USMPDI-006SC-D-12-14-201110 (A0K0482-21)				**Matrix: SE**		**Batch: 1012490**		**H-08**
Acenaphthene	ND	1.70	3.39	ug/kg dry	1	01/06/21 04:01	EPA 8270E	
Acenaphthylene	ND	1.70	3.39	ug/kg dry	1	01/06/21 04:01	EPA 8270E	
Anthracene	ND	1.70	3.39	ug/kg dry	1	01/06/21 04:01	EPA 8270E	
Benz(a)anthracene	**3.77**	1.70	3.39	ug/kg dry	1	01/06/21 04:01	EPA 8270E	
Benzo(a)pyrene	**6.64**	1.70	3.39	ug/kg dry	1	01/06/21 04:01	EPA 8270E	
Benzo(b)fluoranthene	**5.62**	1.70	3.39	ug/kg dry	1	01/06/21 04:01	EPA 8270E	
Benzo(k)fluoranthene	**2.01**	1.70	3.39	ug/kg dry	1	01/06/21 04:01	EPA 8270E	**J**
Benzo(g,h,i)perylene	**5.47**	1.70	3.39	ug/kg dry	1	01/06/21 04:01	EPA 8270E	
Chrysene	**4.28**	1.70	3.39	ug/kg dry	1	01/06/21 04:01	EPA 8270E	
Dibenz(a,h)anthracene	ND	1.70	3.39	ug/kg dry	1	01/06/21 04:01	EPA 8270E	
Fluoranthene	**7.05**	1.70	3.39	ug/kg dry	1	01/06/21 04:01	EPA 8270E	
Fluorene	ND	1.70	3.39	ug/kg dry	1	01/06/21 04:01	EPA 8270E	
Indeno(1,2,3-cd)pyrene	**4.54**	1.70	3.39	ug/kg dry	1	01/06/21 04:01	EPA 8270E	
2-Methylnaphthalene	ND	1.70	3.39	ug/kg dry	1	01/06/21 04:01	EPA 8270E	
Naphthalene	**2.25**	1.70	3.39	ug/kg dry	1	01/06/21 04:01	EPA 8270E	**J**
Phenanthrene	**4.22**	1.70	3.39	ug/kg dry	1	01/06/21 04:01	EPA 8270E	
Pyrene	**7.71**	1.70	3.39	ug/kg dry	1	01/06/21 04:01	EPA 8270E	
Pentachlorophenol (PCP)	ND	17.0	33.9	ug/kg dry	1	01/06/21 04:01	EPA 8270E	
Surrogate: 2-Fluorobiphenyl (Surr)		*Recovery: 80 %*		*Limits: 44-120 %*	*1*	*01/06/21 04:01*	*EPA 8270E*	
p-Terphenyl-d14 (Surr)			*82 %*	*54-127 %*	*1*	*01/06/21 04:01*	*EPA 8270E*	
2,4,6-Tribromophenol (Surr)			*124 %*	*39-132 %*	*1*	*01/06/21 04:01*	*EPA 8270E*	
USMPDI-1006SC-D-10-12-201110 (A0K0482-22)				**Matrix: SE**		**Batch: 1012493**		**H-08**
Acenaphthene	ND	1.64	3.27	ug/kg dry	1	01/06/21 00:58	EPA 8270E	
Acenaphthylene	ND	1.64	3.27	ug/kg dry	1	01/06/21 00:58	EPA 8270E	
Anthracene	ND	1.64	3.27	ug/kg dry	1	01/06/21 00:58	EPA 8270E	
Benz(a)anthracene	ND	1.64	3.27	ug/kg dry	1	01/06/21 00:58	EPA 8270E	
Benzo(a)pyrene	ND	1.64	3.27	ug/kg dry	1	01/06/21 00:58	EPA 8270E	

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Darwin Thomas, Business Development Director

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

ANALYTICAL SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-1006SC-D-10-12-201110 (A0K0482-22)				**Matrix: SE**		**Batch: 1012493**		**H-08**
Benzo(b)fluoranthene	ND	1.64	3.27	ug/kg dry	1	01/06/21 00:58	EPA 8270E	
Benzo(k)fluoranthene	ND	1.64	3.27	ug/kg dry	1	01/06/21 00:58	EPA 8270E	
Benzo(g,h,i)perylene	ND	1.64	3.27	ug/kg dry	1	01/06/21 00:58	EPA 8270E	
Chrysene	ND	1.64	3.27	ug/kg dry	1	01/06/21 00:58	EPA 8270E	
Dibenz(a,h)anthracene	ND	1.64	3.27	ug/kg dry	1	01/06/21 00:58	EPA 8270E	
Fluoranthene	ND	1.64	3.27	ug/kg dry	1	01/06/21 00:58	EPA 8270E	
Fluorene	ND	1.64	3.27	ug/kg dry	1	01/06/21 00:58	EPA 8270E	
Indeno(1,2,3-cd)pyrene	ND	1.64	3.27	ug/kg dry	1	01/06/21 00:58	EPA 8270E	
2-Methylnaphthalene	ND	1.64	3.27	ug/kg dry	1	01/06/21 00:58	EPA 8270E	
Naphthalene	ND	1.64	3.27	ug/kg dry	1	01/06/21 00:58	EPA 8270E	
Phenanthrene	ND	1.64	3.27	ug/kg dry	1	01/06/21 00:58	EPA 8270E	
Pyrene	ND	1.64	3.27	ug/kg dry	1	01/06/21 00:58	EPA 8270E	
Pentachlorophenol (PCP)	ND	16.4	32.7	ug/kg dry	1	01/06/21 00:58	EPA 8270E	
Surrogate: 2-Fluorobiphenyl (Surr)			*Recovery: 75 %*	*Limits: 44-120 %*	*1*	*01/06/21 00:58*	*EPA 8270E*	
p-Terphenyl-d14 (Surr)			*80 %*	*54-127 %*	*1*	*01/06/21 00:58*	*EPA 8270E*	
2,4,6-Tribromophenol (Surr)			*130 %*	*39-132 %*	*1*	*01/06/21 00:58*	*EPA 8270E*	

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Darwin Thomas, Business Development Director

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-003SC-B-00-02-201110 (A0K0482-07)				**Matrix: SE**				
Batch: 1012850								
Arsenic	**3.17**	0.254	0.507	mg/kg wet	5	01/14/21 13:46	EPA 6020B	
Cadmium	**0.102**	0.0507	0.101	mg/kg wet	5	01/14/21 13:46	EPA 6020B	
Chromium	**20.5**	0.254	0.507	mg/kg wet	5	01/14/21 13:46	EPA 6020B	
Copper	**24.4**	0.507	1.01	mg/kg wet	5	01/14/21 13:46	EPA 6020B	
Lead	**6.26**	0.0507	0.101	mg/kg wet	5	01/14/21 13:46	EPA 6020B	
Manganese	**346**	0.254	0.507	mg/kg wet	5	01/14/21 13:46	EPA 6020B	
Vanadium	**67.8**	0.507	1.01	mg/kg wet	5	01/14/21 13:46	EPA 6020B	
Zinc	**60.5**	1.01	2.03	mg/kg wet	5	01/14/21 13:46	EPA 6020B	
USMPDI-003SC-B-02-04-201110 (A0K0482-08)				**Matrix: SE**				
Batch: 1012850								
Arsenic	**3.82**	0.319	0.639	mg/kg dry	5	01/14/21 13:51	EPA 6020B	
Cadmium	**0.0846**	0.0639	0.128	mg/kg dry	5	01/14/21 13:51	EPA 6020B	**J**
Chromium	**24.0**	0.319	0.639	mg/kg dry	5	01/14/21 13:51	EPA 6020B	
Copper	**23.4**	0.639	1.28	mg/kg dry	5	01/14/21 13:51	EPA 6020B	
Lead	**3.51**	0.0639	0.128	mg/kg dry	5	01/14/21 13:51	EPA 6020B	
Manganese	**395**	0.319	0.639	mg/kg dry	5	01/14/21 13:51	EPA 6020B	
Vanadium	**93.3**	0.639	1.28	mg/kg dry	5	01/14/21 13:51	EPA 6020B	
Zinc	**61.5**	1.28	2.55	mg/kg dry	5	01/14/21 13:51	EPA 6020B	
USMPDI-003SC-B-04-06-201110 (A0K0482-09)				**Matrix: SE**				
Batch: 1012850								
Arsenic	**3.70**	0.313	0.626	mg/kg dry	5	01/14/21 13:57	EPA 6020B	
Cadmium	ND	0.0626	0.125	mg/kg dry	5	01/14/21 13:57	EPA 6020B	
Chromium	**19.9**	0.313	0.626	mg/kg dry	5	01/14/21 13:57	EPA 6020B	
Copper	**20.8**	0.626	1.25	mg/kg dry	5	01/14/21 13:57	EPA 6020B	
Lead	**3.55**	0.0626	0.125	mg/kg dry	5	01/14/21 13:57	EPA 6020B	
Manganese	**276**	0.313	0.626	mg/kg dry	5	01/14/21 13:57	EPA 6020B	
Vanadium	**82.6**	0.626	1.25	mg/kg dry	5	01/14/21 13:57	EPA 6020B	
Zinc	**55.3**	1.25	2.50	mg/kg dry	5	01/14/21 13:57	EPA 6020B	
USMPDI-003SC-B-06-08-201110 (A0K0482-10)				**Matrix: SE**				
Batch: 1012850								

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Darwin Thomas, Business Development Director

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-003SC-B-06-08-201110 (A0K0482-10)				**Matrix: SE**				
Arsenic	**3.36**	0.301	0.603	mg/kg dry	5	01/14/21 14:02	EPA 6020B	
Cadmium	**0.0780**	0.0603	0.121	mg/kg dry	5	01/14/21 14:02	EPA 6020B	**J**
Chromium	**20.6**	0.301	0.603	mg/kg dry	5	01/14/21 14:02	EPA 6020B	
Copper	**20.2**	0.603	1.21	mg/kg dry	5	01/14/21 14:02	EPA 6020B	
Lead	**3.28**	0.0603	0.121	mg/kg dry	5	01/14/21 14:02	EPA 6020B	
Manganese	**257**	0.301	0.603	mg/kg dry	5	01/14/21 14:02	EPA 6020B	
Vanadium	**82.3**	0.603	1.21	mg/kg dry	5	01/14/21 14:02	EPA 6020B	
Zinc	**54.7**	1.21	2.41	mg/kg dry	5	01/14/21 14:02	EPA 6020B	
USMPDI-006SC-D-00-02-201110 (A0K0482-15)				**Matrix: SE**				
Batch: 1012850								
Arsenic	**6.30**	0.438	0.876	mg/kg dry	5	01/14/21 14:07	EPA 6020B	
Cadmium	**0.276**	0.0876	0.175	mg/kg dry	5	01/14/21 14:07	EPA 6020B	
Chromium	**41.1**	0.438	0.876	mg/kg dry	5	01/14/21 14:07	EPA 6020B	
Copper	**55.0**	0.876	1.75	mg/kg dry	5	01/14/21 14:07	EPA 6020B	
Lead	**19.6**	0.0876	0.175	mg/kg dry	5	01/14/21 14:07	EPA 6020B	
Manganese	**737**	0.438	0.876	mg/kg dry	5	01/14/21 14:07	EPA 6020B	
Vanadium	**124**	0.876	1.75	mg/kg dry	5	01/14/21 14:07	EPA 6020B	
Zinc	**140**	1.75	3.50	mg/kg dry	5	01/14/21 14:07	EPA 6020B	
USMPDI-006SC-D-02-04-201110 (A0K0482-16)				**Matrix: SE**				
Batch: 1012850								
Arsenic	**3.44**	0.326	0.652	mg/kg dry	5	01/14/21 14:13	EPA 6020B	
Cadmium	**0.0705**	0.0652	0.130	mg/kg dry	5	01/14/21 14:13	EPA 6020B	**J**
Chromium	**22.4**	0.326	0.652	mg/kg dry	5	01/14/21 14:13	EPA 6020B	
Copper	**22.8**	0.652	1.30	mg/kg dry	5	01/14/21 14:13	EPA 6020B	
Lead	**5.64**	0.0652	0.130	mg/kg dry	5	01/14/21 14:13	EPA 6020B	
Manganese	**341**	0.326	0.652	mg/kg dry	5	01/14/21 14:13	EPA 6020B	
Vanadium	**90.5**	0.652	1.30	mg/kg dry	5	01/14/21 14:13	EPA 6020B	
Zinc	**64.0**	1.30	2.61	mg/kg dry	5	01/14/21 14:13	EPA 6020B	
USMPDI-006SC-D-04-06-201110 (A0K0482-17)				**Matrix: SE**				
Batch: 1012850								
Arsenic	**3.55**	0.313	0.625	mg/kg dry	5	01/14/21 14:18	EPA 6020B	

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Darwin Thomas, Business Development Director

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6700 S.W. Sandburg Street
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503-718-2323
ORELAP ID: **OR100062**

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-006SC-D-04-06-201110 (A0K0482-17)				**Matrix: SE**				
Cadmium	**0.0683**	0.0625	0.125	mg/kg dry	5	01/14/21 14:18	EPA 6020B	**J**
Chromium	**21.9**	0.313	0.625	mg/kg dry	5	01/14/21 14:18	EPA 6020B	
Copper	**21.5**	0.625	1.25	mg/kg dry	5	01/14/21 14:18	EPA 6020B	
Lead	**4.53**	0.0625	0.125	mg/kg dry	5	01/14/21 14:18	EPA 6020B	
Manganese	**310**	0.313	0.625	mg/kg dry	5	01/14/21 14:18	EPA 6020B	
Vanadium	**88.0**	0.625	1.25	mg/kg dry	5	01/14/21 14:18	EPA 6020B	
Zinc	**60.7**	1.25	2.50	mg/kg dry	5	01/14/21 14:18	EPA 6020B	
USMPDI-006SC-D-06-08-201110 (A0K0482-18)				**Matrix: SE**				
Batch: 1012850								
Arsenic	**4.89**	0.305	0.610	mg/kg dry	5	01/14/21 14:23	EPA 6020B	
Cadmium	ND	0.0610	0.122	mg/kg dry	5	01/14/21 14:23	EPA 6020B	
Chromium	**22.1**	0.305	0.610	mg/kg dry	5	01/14/21 14:23	EPA 6020B	
Copper	**22.7**	0.610	1.22	mg/kg dry	5	01/14/21 14:23	EPA 6020B	
Lead	**8.25**	0.0610	0.122	mg/kg dry	5	01/14/21 14:23	EPA 6020B	
Manganese	**365**	0.305	0.610	mg/kg dry	5	01/14/21 14:23	EPA 6020B	
Vanadium	**87.6**	0.610	1.22	mg/kg dry	5	01/14/21 14:23	EPA 6020B	
Zinc	**74.6**	1.22	2.44	mg/kg dry	5	01/14/21 14:23	EPA 6020B	
USMPDI-006SC-D-08-10-201110 (A0K0482-19)				**Matrix: SE**				
Batch: 1012850								
Arsenic	**4.11**	0.340	0.681	mg/kg dry	5	01/14/21 14:43	EPA 6020B	
Cadmium	**0.105**	0.0681	0.136	mg/kg dry	5	01/14/21 14:43	EPA 6020B	**J**
Chromium	**25.2**	0.340	0.681	mg/kg dry	5	01/14/21 14:43	EPA 6020B	
Copper	**24.8**	0.681	1.36	mg/kg dry	5	01/14/21 14:43	EPA 6020B	
Lead	**3.76**	0.0681	0.136	mg/kg dry	5	01/14/21 14:43	EPA 6020B	
Manganese	**887**	0.340	0.681	mg/kg dry	5	01/14/21 14:43	EPA 6020B	
Vanadium	**92.4**	0.681	1.36	mg/kg dry	5	01/14/21 14:43	EPA 6020B	
Zinc	**58.3**	1.36	2.72	mg/kg dry	5	01/14/21 14:43	EPA 6020B	
USMPDI-006SC-D-10-12-201110 (A0K0482-20)				**Matrix: SE**				
Batch: 1012850								
Arsenic	**3.69**	0.357	0.714	mg/kg dry	5	01/14/21 14:48	EPA 6020B	
Cadmium	**0.0875**	0.0714	0.143	mg/kg dry	5	01/14/21 14:48	EPA 6020B	**J**

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Darwin Thomas, Business Development Director

Apex Laboratories, LLC

6700 S.W. Sandburg Street
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503-718-2323
ORELAP ID: **OR100062**

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-006SC-D-10-12-201110 (A0K0482-20)				**Matrix: SE**				
Chromium	**22.0**	0.357	0.714	mg/kg dry	5	01/14/21 14:48	EPA 6020B	
Copper	**21.9**	0.714	1.43	mg/kg dry	5	01/14/21 14:48	EPA 6020B	
Lead	**3.60**	0.0714	0.143	mg/kg dry	5	01/14/21 14:48	EPA 6020B	
Manganese	**340**	0.357	0.714	mg/kg dry	5	01/14/21 14:48	EPA 6020B	
Vanadium	**87.1**	0.714	1.43	mg/kg dry	5	01/14/21 14:48	EPA 6020B	
Zinc	**57.4**	1.43	2.86	mg/kg dry	5	01/14/21 14:48	EPA 6020B	
USMPDI-006SC-D-12-14-201110 (A0K0482-21)				**Matrix: SE**				
Batch: 1012850								
Arsenic	**3.52**	0.339	0.678	mg/kg dry	5	01/14/21 14:53	EPA 6020B	
Cadmium	**0.0825**	0.0678	0.136	mg/kg dry	5	01/14/21 14:53	EPA 6020B	**J**
Chromium	**22.6**	0.339	0.678	mg/kg dry	5	01/14/21 14:53	EPA 6020B	
Copper	**22.4**	0.678	1.36	mg/kg dry	5	01/14/21 14:53	EPA 6020B	
Lead	**3.41**	0.0678	0.136	mg/kg dry	5	01/14/21 14:53	EPA 6020B	
Manganese	**287**	0.339	0.678	mg/kg dry	5	01/14/21 14:53	EPA 6020B	**Q-42**
Vanadium	**88.3**	0.678	1.36	mg/kg dry	5	01/14/21 14:53	EPA 6020B	**Q-42**
Zinc	**57.8**	1.36	2.71	mg/kg dry	5	01/14/21 14:53	EPA 6020B	
USMPDI-1006SC-D-10-12-201110 (A0K0482-22)				**Matrix: SE**				
Batch: 1012850								
Arsenic	**3.64**	0.335	0.670	mg/kg dry	5	01/14/21 15:08	EPA 6020B	
Cadmium	**0.0866**	0.0670	0.134	mg/kg dry	5	01/14/21 15:08	EPA 6020B	**J**
Chromium	**20.6**	0.335	0.670	mg/kg dry	5	01/14/21 15:08	EPA 6020B	
Copper	**22.2**	0.670	1.34	mg/kg dry	5	01/14/21 15:08	EPA 6020B	
Lead	**3.69**	0.0670	0.134	mg/kg dry	5	01/14/21 15:08	EPA 6020B	
Manganese	**388**	0.335	0.670	mg/kg dry	5	01/14/21 15:08	EPA 6020B	
Vanadium	**86.0**	0.670	1.34	mg/kg dry	5	01/14/21 15:08	EPA 6020B	
Zinc	**56.6**	1.34	2.68	mg/kg dry	5	01/14/21 15:08	EPA 6020B	

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Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

ANALYTICAL SAMPLE RESULTS

Soluble Cyanide by UV Digestion/Gas Diffusion/Amperometric Detection

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-003SC-B-00-02-201110 (A0K0482-07)				**Matrix: SE**		**Batch: 0110510**		
Total Cyanide	**1.15**	0.0983	0.197	mg/kg wet	2	11/17/20 19:10	D7511-12	
USMPDI-003SC-B-02-04-201110 (A0K0482-08)				**Matrix: SE**		**Batch: 0110510**		
Total Cyanide	ND	0.0616	0.123	mg/kg dry	1	11/17/20 19:14	D7511-12	
USMPDI-003SC-B-04-06-201110 (A0K0482-09)				**Matrix: SE**		**Batch: 0110520**		
Total Cyanide	ND	0.0628	0.126	mg/kg dry	1	11/14/20 12:07	D7511-12	
USMPDI-003SC-B-06-08-201110 (A0K0482-10)				**Matrix: SE**		**Batch: 0110520**		
Total Cyanide	ND	0.0593	0.119	mg/kg dry	1	11/14/20 12:10	D7511-12	
USMPDI-006SC-D-00-02-201110 (A0K0482-15RE1)				**Matrix: SE**		**Batch: 0110520**		
Total Cyanide	**1.64**	0.174	0.348	mg/kg dry	2	11/14/20 13:04	D7511-12	
USMPDI-006SC-D-02-04-201110 (A0K0482-16)				**Matrix: SE**		**Batch: 0110520**		
Total Cyanide	**0.183**	0.0640	0.128	mg/kg dry	1	11/14/20 12:16	D7511-12	
USMPDI-006SC-D-04-06-201110 (A0K0482-17)				**Matrix: SE**		**Batch: 0110520**		
Total Cyanide	ND	0.0600	0.120	mg/kg dry	1	11/14/20 12:18	D7511-12	
USMPDI-006SC-D-06-08-201110 (A0K0482-18)				**Matrix: SE**		**Batch: 0110520**		
Total Cyanide	**0.0657**	0.0631	0.126	mg/kg dry	1	11/14/20 12:28	D7511-12	**J**
USMPDI-006SC-D-08-10-201110 (A0K0482-19)				**Matrix: SE**		**Batch: 0110520**		
Total Cyanide	ND	0.0651	0.130	mg/kg dry	1	11/14/20 12:30	D7511-12	
USMPDI-006SC-D-10-12-201110 (A0K0482-20)				**Matrix: SE**		**Batch: 0110520**		
Total Cyanide	ND	0.0686	0.137	mg/kg dry	1	11/14/20 12:32	D7511-12	
USMPDI-006SC-D-12-14-201110 (A0K0482-21)				**Matrix: SE**		**Batch: 0110520**		
Total Cyanide	ND	0.0668	0.134	mg/kg dry	1	11/14/20 12:36	D7511-12	
USMPDI-1006SC-D-10-12-201110 (A0K0482-22)				**Matrix: SE**		**Batch: 0110520**		
Total Cyanide	ND	0.0655	0.131	mg/kg dry	1	11/14/20 12:44	D7511-12	

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Darwin Thomas, Business Development Director

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6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

ANALYTICAL SAMPLE RESULTS

Demand Parameters

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-003SC-A-01-02-201110 (A0K0482-01)				**Matrix: SE**				
Batch: 1012499								
Total Organic Carbon	**0.083**	---	0.030	% dry	1	01/06/21 16:18	PSEP_SM 5310B MOD	**H-08**
USMPDI-003SC-A-02-03-201110 (A0K0482-02)				**Matrix: SE**				
Batch: 1012499								
Total Organic Carbon	**0.085**	---	0.025	% dry	1	01/06/21 16:29	PSEP_SM 5310B MOD	**H-08**
USMPDI-003SC-A-03-04-201110 (A0K0482-03)				**Matrix: SE**				
Batch: 1012499								
Total Organic Carbon	**0.046**	---	0.024	% dry	1	01/06/21 16:40	PSEP_SM 5310B MOD	**H-08**
USMPDI-003SC-A-04-05-201110 (A0K0482-04)				**Matrix: SE**				
Batch: 1012499								
Total Organic Carbon	**0.066**	---	0.026	% dry	1	01/06/21 17:12	PSEP_SM 5310B MOD	**H-08**
USMPDI-1003SC-A-01-02-201110 (A0K0482-05)				**Matrix: SE**				
Batch: 1012499								
Total Organic Carbon	**0.082**	---	0.029	% dry	1	01/06/21 17:23	PSEP_SM 5310B MOD	**H-08**
USMPDI-003SC-B-06-08-201110 (A0K0482-10)				**Matrix: SE**				
Batch: 1012499								
Total Organic Carbon	**0.047**	---	0.024	% dry	1	01/06/21 17:34	PSEP_SM 5310B MOD	**H-08**
USMPDI-006SC-A-01-02-201110 (A0K0482-11)				**Matrix: SE**				
Batch: 1012499								
Total Organic Carbon	**1.1**	---	0.033	% dry	1	01/06/21 18:06	PSEP_SM 5310B MOD	**H-08**
USMPDI-006SC-A-02-03-201110 (A0K0482-12)				**Matrix: SE**				
Batch: 1012499								
Total Organic Carbon	**0.25**	---	0.029	% dry	1	01/06/21 18:17	PSEP_SM 5310B MOD	**H-08**

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503-718-2323
ORELAP ID: **OR100062**

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

ANALYTICAL SAMPLE RESULTS

Demand Parameters

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-006SC-A-03-04-201110 (A0K0482-13)				**Matrix: SE**				
Batch: 1012499								
Total Organic Carbon	**0.069**	---	0.025	% dry	1	01/06/21 18:28	PSEP_SM 5310B MOD	**H-08**
USMPDI-006SC-A-04-05-201110 (A0K0482-14)				**Matrix: SE**				
Batch: 1012499								
Total Organic Carbon	**0.26**	---	0.024	% dry	1	01/06/21 18:38	PSEP_SM 5310B MOD	**H-08**
USMPDI-006SC-D-06-08-201110 (A0K0482-18)				**Matrix: SE**				
Batch: 1012499								
Total Organic Carbon	**0.047**	---	0.025	% dry	1	01/06/21 18:49	PSEP_SM 5310B MOD	**H-08**
USMPDI-006SC-D-08-10-201110 (A0K0482-19)				**Matrix: SE**				
Batch: 1012499								
Total Organic Carbon	**1.5**	---	0.026	% dry	1	01/06/21 19:00	PSEP_SM 5310B MOD	**H-08**
USMPDI-006SC-D-10-12-201110 (A0K0482-20)				**Matrix: SE**				
Batch: 1012499								
Total Organic Carbon	**0.16**	---	0.027	% dry	1	01/06/21 19:11	PSEP_SM 5310B MOD	**H-08**
USMPDI-006SC-D-12-14-201110 (A0K0482-21)				**Matrix: SE**				
Batch: 1012499								
Total Organic Carbon	**0.059**	---	0.027	% dry	1	01/06/21 19:22	PSEP_SM 5310B MOD	**H-08**
USMPDI-1006SC-D-10-12-201110 (A0K0482-22)				**Matrix: SE**				
Batch: 1012499								
Total Organic Carbon	**0.14**	---	0.027	% dry	1	01/06/21 19:43	PSEP_SM 5310B MOD	**H-08**

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Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

ANALYTICAL SAMPLE RESULTS

Solid and Moisture Determinations

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-003SC-A-01-02-201110 (A0K0482-01)				**Matrix: SE**				
Batch: 0110543								
Total Solids	**67.6**	---	1.00	%	1	11/18/20 19:08	SM 2540 G	
USMPDI-003SC-A-02-03-201110 (A0K0482-02)				**Matrix: SE**				
Batch: 0110543								
Total Solids	**78.8**	---	1.00	%	1	11/18/20 19:08	SM 2540 G	
USMPDI-003SC-A-03-04-201110 (A0K0482-03)				**Matrix: SE**				
Batch: 0110543								
Total Solids	**83.8**	---	1.00	%	1	11/18/20 19:08	SM 2540 G	
USMPDI-003SC-A-04-05-201110 (A0K0482-04)				**Matrix: SE**				
Batch: 0110543								
Total Solids	**76.8**	---	1.00	%	1	11/18/20 19:08	SM 2540 G	
USMPDI-1003SC-A-01-02-201110 (A0K0482-05)				**Matrix: SE**				
Batch: 0110543								
Total Solids	**69.1**	---	1.00	%	1	11/18/20 19:08	SM 2540 G	
USMPDI-003SC-B-02-04-201110 (A0K0482-08)				**Matrix: SE**				
Batch: 0110543								
Total Solids	**78.8**	---	1.00	%	1	11/18/20 19:08	SM 2540 G	
USMPDI-003SC-B-04-06-201110 (A0K0482-09)				**Matrix: SE**				
Batch: 0110543								
Total Solids	**78.6**	---	1.00	%	1	11/18/20 19:08	SM 2540 G	
USMPDI-003SC-B-06-08-201110 (A0K0482-10)				**Matrix: SE**				
Batch: 0110543								
Total Solids	**83.3**	---	1.00	%	1	11/18/20 19:08	SM 2540 G	
USMPDI-006SC-A-01-02-201110 (A0K0482-11)				**Matrix: SE**				
Batch: 0110543								
Total Solids	**61.5**	---	1.00	%	1	11/18/20 19:08	SM 2540 G	
USMPDI-006SC-A-02-03-201110 (A0K0482-12)				**Matrix: SE**				
Batch: 0110543								

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ORELAP ID: **OR100062**

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

ANALYTICAL SAMPLE RESULTS

Solid and Moisture Determinations

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-006SC-A-02-03-201110 (A0K0482-12)				**Matrix: SE**				
Total Solids	**69.2**	---	1.00	%	1	11/18/20 19:08	SM 2540 G	
USMPDI-006SC-A-03-04-201110 (A0K0482-13)				**Matrix: SE**				
Batch: 0110543								
Total Solids	**81.1**	---	1.00	%	1	11/18/20 19:08	SM 2540 G	
USMPDI-006SC-A-04-05-201110 (A0K0482-14)				**Matrix: SE**				
Batch: 0110543								
Total Solids	**83.2**	---	1.00	%	1	11/18/20 19:08	SM 2540 G	
USMPDI-006SC-D-00-02-201110 (A0K0482-15)				**Matrix: SE**				
Batch: 0110543								
Total Solids	**57.0**	---	1.00	%	1	11/18/20 19:08	SM 2540 G	
USMPDI-006SC-D-02-04-201110 (A0K0482-16)				**Matrix: SE**				
Batch: 0110543								
Total Solids	**77.0**	---	1.00	%	1	11/18/20 19:08	SM 2540 G	
USMPDI-006SC-D-04-06-201110 (A0K0482-17)				**Matrix: SE**				
Batch: 0110543								
Total Solids	**81.6**	---	1.00	%	1	11/18/20 19:08	SM 2540 G	
USMPDI-006SC-D-06-08-201110 (A0K0482-18)				**Matrix: SE**				
Batch: 0110543								
Total Solids	**79.0**	---	1.00	%	1	11/18/20 19:08	SM 2540 G	
USMPDI-006SC-D-08-10-201110 (A0K0482-19)				**Matrix: SE**				
Batch: 0110543								
Total Solids	**75.9**	---	1.00	%	1	11/18/20 19:08	SM 2540 G	
USMPDI-006SC-D-10-12-201110 (A0K0482-20)				**Matrix: SE**				
Batch: 0110543								
Total Solids	**72.8**	---	1.00	%	1	11/18/20 19:08	SM 2540 G	
USMPDI-006SC-D-12-14-201110 (A0K0482-21)				**Matrix: SE**				
Batch: 0110543								

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ORELAP ID: **OR100062**

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

ANALYTICAL SAMPLE RESULTS

Solid and Moisture Determinations

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
USMPDI-006SC-D-12-14-201110 (A0K0482-21)				**Matrix: SE**				
Total Solids	**73.6**	---	1.00	%	1	11/18/20 19:08	SM 2540 G	
USMPDI-1006SC-D-10-12-201110 (A0K0482-22)				**Matrix: SE**				
Batch: 1012592								
Total Solids	**73.8**	---	1.00	%	1	01/07/21 13:54	SM 2540 G	

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Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

QUALITY CONTROL (QC) SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0110532 - EPA 5030B												**Water**
Blank (0110532-BLK1)			Prepared: 11/16/20 07:30		Analyzed: 11/16/20 13:18							
EPA 8260D												
Benzene	ND	0.100	0.200	ug/L	1	---	---	---	---	---	---	
Toluene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Ethylbenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
m,p-Xylene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
o-Xylene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Chlorobenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
1,1-Dichloroethene	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
cis-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
Tetrachloroethene (PCE)	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
Trichloroethene (TCE)	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
Vinyl chloride	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 100 %*		*Limits: 80-120 %*			*Dilution: 1x*				
Toluene-d8 (Surr)			*103 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*102 %*		*80-120 %*			*"*				
LCS (0110532-BS1)			Prepared: 11/16/20 07:30		Analyzed: 11/16/20 12:22							
EPA 8260D												
Benzene	20.3	0.100	0.200	ug/L	1	20.0	---	101	80-120%	---	---	
Toluene	19.7	0.500	1.00	ug/L	1	20.0	---	98	80-120%	---	---	
Ethylbenzene	19.8	0.250	0.500	ug/L	1	20.0	---	99	80-120%	---	---	
m,p-Xylene	40.3	0.500	1.00	ug/L	1	40.0	---	101	80-120%	---	---	
o-Xylene	20.3	0.250	0.500	ug/L	1	20.0	---	101	80-120%	---	---	
Chlorobenzene	20.5	0.250	0.500	ug/L	1	20.0	---	102	80-120%	---	---	
1,1-Dichloroethene	20.6	0.200	0.400	ug/L	1	20.0	---	103	80-120%	---	---	
cis-1,2-Dichloroethene	20.7	0.200	0.400	ug/L	1	20.0	---	104	80-120%	---	---	
Tetrachloroethene (PCE)	20.5	0.200	0.400	ug/L	1	20.0	---	102	80-120%	---	---	
Trichloroethene (TCE)	20.4	0.200	0.400	ug/L	1	20.0	---	102	80-120%	---	---	
Vinyl chloride	20.9	0.200	0.400	ug/L	1	20.0	---	105	80-120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 101 %*		*Limits: 80-120 %*			*Dilution: 1x*				
Toluene-d8 (Surr)			*99 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*97 %*		*80-120 %*			*"*				
Duplicate (0110532-DUP1)			Prepared: 11/16/20 10:13		Analyzed: 11/16/20 18:53							

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Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

QUALITY CONTROL (QC) SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0110532 - EPA 5030B												**Water**
Duplicate (0110532-DUP1)				Prepared: 11/16/20 10:13 Analyzed: 11/16/20 18:53								
QC Source Sample: Non-SDG (A0K0563-11)												
Benzene	ND	0.100	0.200	ug/L	1	---	ND	---	---	---	30%	
Toluene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Ethylbenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
m,p-Xylene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
o-Xylene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Chlorobenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
1,1-Dichloroethene	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
cis-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
Tetrachloroethene (PCE)	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
Trichloroethene (TCE)	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
Vinyl chloride	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 102 %*		*Limits: 80-120 %*			*Dilution: 1x*				
Toluene-d8 (Surr)			*103 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*103 %*		*80-120 %*			*"*				
Matrix Spike (0110532-MS1)				Prepared: 11/16/20 10:13 Analyzed: 11/16/20 16:36								
QC Source Sample: Non-SDG (A0K0535-03)												
EPA 8260D												
Benzene	21.2	0.100	0.200	ug/L	1	20.0	ND	106	79-120%	---	---	
Toluene	20.2	0.500	1.00	ug/L	1	20.0	ND	101	80-121%	---	---	
Ethylbenzene	20.3	0.250	0.500	ug/L	1	20.0	ND	102	79-121%	---	---	
m,p-Xylene	40.9	0.500	1.00	ug/L	1	40.0	ND	102	80-121%	---	---	
o-Xylene	20.2	0.250	0.500	ug/L	1	20.0	ND	101	78-122%	---	---	
Chlorobenzene	20.8	0.250	0.500	ug/L	1	20.0	ND	104	80-120%	---	---	
1,1-Dichloroethene	17.3	0.200	0.400	ug/L	1	20.0	ND	86	71-131%	---	---	
cis-1,2-Dichloroethene	21.5	0.200	0.400	ug/L	1	20.0	ND	108	78-123%	---	---	
Tetrachloroethene (PCE)	20.9	0.200	0.400	ug/L	1	20.0	ND	104	74-129%	---	---	
Trichloroethene (TCE)	21.2	0.200	0.400	ug/L	1	20.0	ND	106	79-123%	---	---	
Vinyl chloride	22.4	0.200	0.400	ug/L	1	20.0	ND	112	58-137%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 101 %*		*Limits: 80-120 %*			*Dilution: 1x*				
Toluene-d8 (Surr)			*99 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*96 %*		*80-120 %*			*"*				

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Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

QUALITY CONTROL (QC) SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 5035A/8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0110632 - EPA 5035A							**Soil**					
Blank (0110632-BLK1)			Prepared: 11/18/20 09:00		Analyzed: 11/18/20 10:57							
5035A/8260D												
Benzene	ND	3.33	6.67	ug/kg wet	50	---	---	---	---	---	---	
Toluene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
Ethylbenzene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
m,p-Xylene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
o-Xylene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Chlorobenzene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
1,1-Dichloroethene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
cis-1,2-Dichloroethene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Tetrachloroethene (PCE)	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Trichloroethene (TCE)	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Vinyl chloride	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 96 %*		*Limits: 80-120 %*			*Dilution: 1x*				
Toluene-d8 (Surr)			*99 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*98 %*		*79-120 %*			*"*				
LCS (0110632-BS1)			Prepared: 11/18/20 09:00		Analyzed: 11/18/20 10:02							
5035A/8260D												
Benzene	956	5.00	10.0	ug/kg wet	50	1000	---	96	80-120%	---	---	
Toluene	961	25.0	50.0	ug/kg wet	50	1000	---	96	80-120%	---	---	
Ethylbenzene	978	12.5	25.0	ug/kg wet	50	1000	---	98	80-120%	---	---	
m,p-Xylene	1950	25.0	50.0	ug/kg wet	50	2000	---	98	80-120%	---	---	
o-Xylene	952	12.5	25.0	ug/kg wet	50	1000	---	95	80-120%	---	---	
Chlorobenzene	979	12.5	25.0	ug/kg wet	50	1000	---	98	80-120%	---	---	
1,1-Dichloroethene	1110	12.5	25.0	ug/kg wet	50	1000	---	111	80-120%	---	---	
cis-1,2-Dichloroethene	977	12.5	25.0	ug/kg wet	50	1000	---	98	80-120%	---	---	
Tetrachloroethene (PCE)	1010	12.5	25.0	ug/kg wet	50	1000	---	101	80-120%	---	---	
Trichloroethene (TCE)	994	12.5	25.0	ug/kg wet	50	1000	---	99	80-120%	---	---	
Vinyl chloride	1010	12.5	25.0	ug/kg wet	50	1000	---	101	80-120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 98 %*		*Limits: 80-120 %*			*Dilution: 1x*				
Toluene-d8 (Surr)			*101 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*99 %*		*79-120 %*			*"*				
Duplicate (0110632-DUP1)			Prepared: 11/12/20 10:00		Analyzed: 11/18/20 13:13							

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Darwin Thomas, Business Development Director

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Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

QUALITY CONTROL (QC) SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 5035A/8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0110632 - EPA 5035A							**Soil**					
Duplicate (0110632-DUP1)			Prepared: 11/12/20 10:00 Analyzed: 11/18/20 13:13									
QC Source Sample: Non-SDG (A0K0563-01)												
Benzene	ND	5.73	11.5	ug/kg dry	50	---	ND	---	---	---	30%	
Toluene	ND	28.6	57.3	ug/kg dry	50	---	ND	---	---	---	30%	
Ethylbenzene	ND	14.3	28.6	ug/kg dry	50	---	ND	---	---	---	30%	
m,p-Xylene	ND	28.6	57.3	ug/kg dry	50	---	ND	---	---	---	30%	
o-Xylene	ND	14.3	28.6	ug/kg dry	50	---	ND	---	---	---	30%	
Chlorobenzene	ND	14.3	28.6	ug/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloroethene	ND	14.3	28.6	ug/kg dry	50	---	ND	---	---	---	30%	
cis-1,2-Dichloroethene	ND	14.3	28.6	ug/kg dry	50	---	ND	---	---	---	30%	
Tetrachloroethene (PCE)	ND	14.3	28.6	ug/kg dry	50	---	ND	---	---	---	30%	
Trichloroethene (TCE)	ND	14.3	28.6	ug/kg dry	50	---	ND	---	---	---	30%	
Vinyl chloride	ND	14.3	28.6	ug/kg dry	50	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 91 %*	*Limits: 80-120 %*			*Dilution: 1x*					
Toluene-d8 (Surr)			*98 %*	*80-120 %*			*"*					
4-Bromofluorobenzene (Surr)			*96 %*	*79-120 %*			*"*					
Matrix Spike (0110632-MS1)			Prepared: 11/17/20 10:22 Analyzed: 11/18/20 16:24									**V-15**
QC Source Sample: Non-SDG (A0K0608-01)												
5035A/8260D												
Benzene	996	5.84	11.7	ug/kg dry	50	1170	ND	85	77-121%	---	---	
Toluene	1080	29.2	58.4	ug/kg dry	50	1170	ND	92	77-121%	---	---	
Ethylbenzene	1150	14.6	29.2	ug/kg dry	50	1170	ND	98	76-122%	---	---	
m,p-Xylene	2340	29.2	58.4	ug/kg dry	50	2340	ND	100	77-124%	---	---	
o-Xylene	1140	14.6	29.2	ug/kg dry	50	1170	ND	98	77-123%	---	---	
Chlorobenzene	1120	14.6	29.2	ug/kg dry	50	1170	ND	96	79-120%	---	---	
1,1-Dichloroethene	1260	14.6	29.2	ug/kg dry	50	1170	ND	108	70-131%	---	---	
cis-1,2-Dichloroethene	1060	14.6	29.2	ug/kg dry	50	1170	ND	91	77-123%	---	---	
Tetrachloroethene (PCE)	1110	14.6	29.2	ug/kg dry	50	1170	ND	95	73-128%	---	---	
Trichloroethene (TCE)	1040	14.6	29.2	ug/kg dry	50	1170	ND	89	77-123%	---	---	
Vinyl chloride	1030	14.6	29.2	ug/kg dry	50	1170	ND	88	56-135%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 88 %*	*Limits: 80-120 %*			*Dilution: 1x*					
Toluene-d8 (Surr)			*97 %*	*80-120 %*			*"*					
4-Bromofluorobenzene (Surr)			*96 %*	*79-120 %*			*"*					

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Darwin Thomas, Business Development Director

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Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

QUALITY CONTROL (QC) SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 5035A/8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0110717 - EPA 5035A							**Soil**					
Blank (0110717-BLK1)			Prepared: 11/19/20 09:00 Analyzed: 11/19/20 17:31									
5035A/8260D												
Benzene	ND	3.33	6.67	ug/kg wet	50	---	---	---	---	---	---	
Toluene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
Ethylbenzene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
m,p-Xylene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
o-Xylene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Chlorobenzene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
1,1-Dichloroethene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
cis-1,2-Dichloroethene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Tetrachloroethene (PCE)	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Trichloroethene (TCE)	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Vinyl chloride	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 102 %*		*Limits: 80-120 %*			*Dilution: 1x*				
Toluene-d8 (Surr)			*100 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*102 %*		*79-120 %*			*"*				
LCS (0110717-BS1)			Prepared: 11/19/20 09:00 Analyzed: 11/19/20 16:09									
5035A/8260D												
Benzene	964	5.00	10.0	ug/kg wet	50	1000	---	96	80-120%	---	---	
Toluene	932	25.0	50.0	ug/kg wet	50	1000	---	93	80-120%	---	---	
Ethylbenzene	1040	12.5	25.0	ug/kg wet	50	1000	---	104	80-120%	---	---	
m,p-Xylene	2090	25.0	50.0	ug/kg wet	50	2000	---	104	80-120%	---	---	
o-Xylene	1060	12.5	25.0	ug/kg wet	50	1000	---	106	80-120%	---	---	
Chlorobenzene	983	12.5	25.0	ug/kg wet	50	1000	---	98	80-120%	---	---	
1,1-Dichloroethene	970	12.5	25.0	ug/kg wet	50	1000	---	97	80-120%	---	---	
cis-1,2-Dichloroethene	1010	12.5	25.0	ug/kg wet	50	1000	---	101	80-120%	---	---	
Tetrachloroethene (PCE)	1060	12.5	25.0	ug/kg wet	50	1000	---	106	80-120%	---	---	
Trichloroethene (TCE)	1070	12.5	25.0	ug/kg wet	50	1000	---	107	80-120%	---	---	
Vinyl chloride	880	12.5	25.0	ug/kg wet	50	1000	---	88	80-120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 102 %*		*Limits: 80-120 %*			*Dilution: 1x*				
Toluene-d8 (Surr)			*99 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*99 %*		*79-120 %*			*"*				
Matrix Spike (0110717-MS1)			Prepared: 11/09/20 09:20 Analyzed: 11/20/20 03:25									

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Darwin Thomas, Business Development Director

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Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

QUALITY CONTROL (QC) SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 5035A/8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0110717 - EPA 5035A							**Soil**					
Matrix Spike (0110717-MS1)			Prepared: 11/09/20 09:20 Analyzed: 11/20/20 03:25									
QC Source Sample: Non-SDG (A0K0477-35RE1)												
5035A/8260D												
Benzene	1730	7.64	15.3	ug/kg dry	50	1530	ND	113	77-121%	---	---	
Toluene	1510	38.2	76.4	ug/kg dry	50	1530	ND	99	77-121%	---	---	
Ethylbenzene	1640	19.1	38.2	ug/kg dry	50	1530	ND	107	76-122%	---	---	
m,p-Xylene	3300	38.2	76.4	ug/kg dry	50	3060	ND	108	77-124%	---	---	
o-Xylene	1680	19.1	38.2	ug/kg dry	50	1530	ND	110	77-123%	---	---	
Chlorobenzene	1590	19.1	38.2	ug/kg dry	50	1530	ND	104	79-120%	---	---	
1,1-Dichloroethene	1740	19.1	38.2	ug/kg dry	50	1530	ND	114	70-131%	---	---	
cis-1,2-Dichloroethene	1780	19.1	38.2	ug/kg dry	50	1530	ND	117	77-123%	---	---	
Tetrachloroethene (PCE)	1650	19.1	38.2	ug/kg dry	50	1530	ND	108	73-128%	---	---	
Trichloroethene (TCE)	1810	19.1	38.2	ug/kg dry	50	1530	ND	119	77-123%	---	---	
Vinyl chloride	1890	19.1	38.2	ug/kg dry	50	1530	ND	124	56-135%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 108 %*		*Limits: 80-120 %*			*Dilution: 1x*				
Toluene-d8 (Surr)			*100 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*99 %*		*79-120 %*			*"*				
Matrix Spike Dup (0110717-MSD1)			Prepared: 11/09/20 09:20 Analyzed: 11/20/20 03:52									
QC Source Sample: Non-SDG (A0K0477-35RE1)												
Benzene	1680	7.64	15.3	ug/kg dry	50	1530	ND	110	77-121%	3	30%	
Toluene	1480	38.2	76.4	ug/kg dry	50	1530	ND	97	77-121%	2	30%	
Ethylbenzene	1610	19.1	38.2	ug/kg dry	50	1530	ND	105	76-122%	2	30%	
m,p-Xylene	3240	38.2	76.4	ug/kg dry	50	3060	ND	106	77-124%	2	30%	
o-Xylene	1660	19.1	38.2	ug/kg dry	50	1530	ND	108	77-123%	2	30%	
Chlorobenzene	1530	19.1	38.2	ug/kg dry	50	1530	ND	100	79-120%	3	30%	
1,1-Dichloroethene	1660	19.1	38.2	ug/kg dry	50	1530	ND	108	70-131%	5	30%	
cis-1,2-Dichloroethene	1730	19.1	38.2	ug/kg dry	50	1530	ND	113	77-123%	3	30%	
Tetrachloroethene (PCE)	1620	19.1	38.2	ug/kg dry	50	1530	ND	106	73-128%	2	30%	
Trichloroethene (TCE)	1760	19.1	38.2	ug/kg dry	50	1530	ND	115	77-123%	3	30%	
Vinyl chloride	1800	19.1	38.2	ug/kg dry	50	1530	ND	118	56-135%	5	30%	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 108 %*		*Limits: 80-120 %*			*Dilution: 1x*				
Toluene-d8 (Surr)			*100 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*100 %*		*79-120 %*			*"*				

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503-718-2323
ORELAP ID: **OR100062**

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

QUALITY CONTROL (QC) SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 5035A/8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0110771 - EPA 5035A							**Soil**					
Blank (0110771-BLK1)			Prepared: 11/20/20 09:00 Analyzed: 11/20/20 15:47									
5035A/8260D												
Benzene	ND	3.33	6.67	ug/kg wet	50	---	---	---	---	---	---	
Toluene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
Ethylbenzene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
m,p-Xylene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
o-Xylene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Chlorobenzene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
1,1-Dichloroethene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
cis-1,2-Dichloroethene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Tetrachloroethene (PCE)	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Trichloroethene (TCE)	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Vinyl chloride	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 107 %*		*Limits: 80-120 %*			*Dilution: 1x*				
Toluene-d8 (Surr)			*99 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*102 %*		*79-120 %*			*"*				
LCS (0110771-BS1)			Prepared: 11/20/20 09:00 Analyzed: 11/20/20 14:26									
5035A/8260D												
Benzene	1010	5.00	10.0	ug/kg wet	50	1000	---	101	80-120%	---	---	
Toluene	901	25.0	50.0	ug/kg wet	50	1000	---	90	80-120%	---	---	
Ethylbenzene	965	12.5	25.0	ug/kg wet	50	1000	---	96	80-120%	---	---	
m,p-Xylene	1950	25.0	50.0	ug/kg wet	50	2000	---	98	80-120%	---	---	
o-Xylene	995	12.5	25.0	ug/kg wet	50	1000	---	100	80-120%	---	---	
Chlorobenzene	934	12.5	25.0	ug/kg wet	50	1000	---	93	80-120%	---	---	
1,1-Dichloroethene	986	12.5	25.0	ug/kg wet	50	1000	---	99	80-120%	---	---	
cis-1,2-Dichloroethene	1030	12.5	25.0	ug/kg wet	50	1000	---	103	80-120%	---	---	
Tetrachloroethene (PCE)	996	12.5	25.0	ug/kg wet	50	1000	---	100	80-120%	---	---	
Trichloroethene (TCE)	1070	12.5	25.0	ug/kg wet	50	1000	---	107	80-120%	---	---	
Vinyl chloride	1030	12.5	25.0	ug/kg wet	50	1000	---	103	80-120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 109 %*		*Limits: 80-120 %*			*Dilution: 1x*				
Toluene-d8 (Surr)			*100 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*103 %*		*79-120 %*			*"*				
Duplicate (0110771-DUP1)			Prepared: 11/10/20 09:05 Analyzed: 11/20/20 19:23									

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Darwin Thomas, Business Development Director

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ORELAP ID: **OR100062**

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

QUALITY CONTROL (QC) SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 5035A/8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0110771 - EPA 5035A							**Soil**					
Duplicate (0110771-DUP1)			Prepared: 11/10/20 09:05 Analyzed: 11/20/20 19:23									
QC Source Sample: USMPDI-1006SC-D-10-12-201110 (A0K0482-22)												
5035A/8260D												
Benzene	ND	8.69	17.4	ug/kg dry	50	---	ND	---	---	---	30%	
Toluene	**99.7**	43.5	86.9	ug/kg dry	50	---	ND	---	---		**30%**	Q-04
Ethylbenzene	**30.3**	21.7	43.5	ug/kg dry	50	---	ND	---	---		**30%**	Q-05, J
m,p-Xylene	**101**	43.5	86.9	ug/kg dry	50	---	ND	---	---		**30%**	Q-04
o-Xylene	**34.7**	21.7	43.5	ug/kg dry	50	---	ND	---	---		**30%**	Q-05, J
Chlorobenzene	ND	21.7	43.5	ug/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloroethene	ND	21.7	43.5	ug/kg dry	50	---	ND	---	---	---	30%	
cis-1,2-Dichloroethene	ND	21.7	43.5	ug/kg dry	50	---	ND	---	---	---	30%	
Tetrachloroethene (PCE)	ND	21.7	43.5	ug/kg dry	50	---	ND	---	---	---	30%	
Trichloroethene (TCE)	ND	21.7	43.5	ug/kg dry	50	---	ND	---	---	---	30%	
Vinyl chloride	ND	21.7	43.5	ug/kg dry	50	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 107 %*		*Limits: 80-120 %*			*Dilution: 1x*				
Toluene-d8 (Surr)			*100 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*102 %*		*79-120 %*			*"*				
Matrix Spike (0110771-MS1)			Prepared: 11/10/20 09:05 Analyzed: 11/20/20 20:17									
QC Source Sample: USMPDI-006SC-D-12-14-201110 (A0K0482-21)												
5035A/8260D												
Benzene	1640	7.64	15.3	ug/kg dry	50	1530	ND	107	77-121%	---	---	
Toluene	1480	38.2	76.4	ug/kg dry	50	1530	ND	97	77-121%	---	---	
Ethylbenzene	1600	19.1	38.2	ug/kg dry	50	1530	ND	105	76-122%	---	---	
m,p-Xylene	3250	38.2	76.4	ug/kg dry	50	3060	ND	106	77-124%	---	---	
o-Xylene	1640	19.1	38.2	ug/kg dry	50	1530	ND	107	77-123%	---	---	
Chlorobenzene	1570	19.1	38.2	ug/kg dry	50	1530	ND	103	79-120%	---	---	
1,1-Dichloroethene	1610	19.1	38.2	ug/kg dry	50	1530	ND	105	70-131%	---	---	
cis-1,2-Dichloroethene	1670	19.1	38.2	ug/kg dry	50	1530	ND	109	77-123%	---	---	
Tetrachloroethene (PCE)	1660	19.1	38.2	ug/kg dry	50	1530	ND	108	73-128%	---	---	
Trichloroethene (TCE)	1770	19.1	38.2	ug/kg dry	50	1530	ND	116	77-123%	---	---	
Vinyl chloride	1580	19.1	38.2	ug/kg dry	50	1530	ND	103	56-135%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 107 %*		*Limits: 80-120 %*			*Dilution: 1x*				
Toluene-d8 (Surr)			*97 %*		*80-120 %*			*"*				

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Darwin Thomas, Business Development Director

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

QUALITY CONTROL (QC) SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 5035A/8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0110771 - EPA 5035A							**Soil**					
Matrix Spike (0110771-MS1)				Prepared: 11/10/20 09:05		Analyzed: 11/20/20 20:17						
QC Source Sample: USMPDI-006SC-D-12-14-201110 (A0K0482-21)												
Surr: 4-Bromofluorobenzene (Surr)			*Recovery: 100 %*	*Limits: 79-120 %*			*Dilution: 1x*					
Matrix Spike Dup (0110771-MSD1)				Prepared: 11/10/20 09:05		Analyzed: 11/20/20 20:45						
QC Source Sample: USMPDI-006SC-D-12-14-201110 (A0K0482-21)												
5035A/8260D												
Benzene	1550	7.64	15.3	ug/kg dry	50	1530	ND	102	77-121%	6	30%	
Toluene	1420	38.2	76.4	ug/kg dry	50	1530	ND	93	77-121%	4	30%	
Ethylbenzene	1530	19.1	38.2	ug/kg dry	50	1530	ND	100	76-122%	4	30%	
m,p-Xylene	3110	38.2	76.4	ug/kg dry	50	3060	ND	102	77-124%	4	30%	
o-Xylene	1600	19.1	38.2	ug/kg dry	50	1530	ND	105	77-123%	2	30%	
Chlorobenzene	1490	19.1	38.2	ug/kg dry	50	1530	ND	98	79-120%	5	30%	
1,1-Dichloroethene	1530	19.1	38.2	ug/kg dry	50	1530	ND	100	70-131%	5	30%	
cis-1,2-Dichloroethene	1580	19.1	38.2	ug/kg dry	50	1530	ND	104	77-123%	5	30%	
Tetrachloroethene (PCE)	1590	19.1	38.2	ug/kg dry	50	1530	ND	104	73-128%	4	30%	
Trichloroethene (TCE)	1700	19.1	38.2	ug/kg dry	50	1530	ND	111	77-123%	4	30%	
Vinyl chloride	1480	19.1	38.2	ug/kg dry	50	1530	ND	97	56-135%	6	30%	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 106 %*	*Limits: 80-120 %*			*Dilution: 1x*					
Toluene-d8 (Surr)			*99 %*	*80-120 %*			*"*					
4-Bromofluorobenzene (Surr)			*100 %*	*79-120 %*			*"*					

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503-718-2323
ORELAP ID: **OR100062**

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

QUALITY CONTROL (QC) SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1012827 - EPA 3546							**Sediment**					
Blank (1012827-BLK1)			Prepared: 01/13/21 10:20		Analyzed: 01/14/21 08:17							**C-07**
EPA 8082A												
Aroclor 1016	ND	1.67	3.33	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1221	ND	1.67	3.33	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1232	ND	1.67	3.33	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1242	ND	1.67	3.33	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1248	ND	1.67	3.33	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1254	ND	1.67	3.33	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1260	ND	1.67	3.33	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1262	ND	1.67	3.33	ug/kg wet	1	---	---	---	---	---	---	
Aroclor 1268	ND	1.67	3.33	ug/kg wet	1	---	---	---	---	---	---	
Surr: Decachlorobiphenyl (Surr)			*Recovery: 95 %*		*Limits: 60-125 %*			*Dilution: 1x*				
LCS (1012827-BS1)			Prepared: 01/13/21 10:20		Analyzed: 01/14/21 08:34							**C-07**
EPA 8082A												
Aroclor 1016	168	2.00	4.00	ug/kg wet	1	250	---	67	47-134%	---	---	
Aroclor 1260	180	2.00	4.00	ug/kg wet	1	250	---	72	53-140%	---	---	
Surr: Decachlorobiphenyl (Surr)			*Recovery: 92 %*		*Limits: 60-125 %*			*Dilution: 1x*				
Duplicate (1012827-DUP1)			Prepared: 01/13/21 10:20		Analyzed: 01/14/21 09:28							**C-07**
QC Source Sample: Non-SDG (A0K0477-05)												
Aroclor 1016	ND	2.09	4.19	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1221	ND	2.09	4.19	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1232	ND	2.09	4.19	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1242	ND	2.09	4.19	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1248	ND	2.09	4.19	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1254	ND	2.09	4.19	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1260	ND	2.09	4.19	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1262	ND	2.09	4.19	ug/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1268	ND	2.09	4.19	ug/kg dry	1	---	ND	---	---	---	30%	
Surr: Decachlorobiphenyl (Surr)			*Recovery: 90 %*		*Limits: 60-125 %*			*Dilution: 1x*				
Matrix Spike (1012827-MS1)			Prepared: 01/13/21 10:20		Analyzed: 01/14/21 08:52							**C-07**
QC Source Sample: USMPDI-006SC-D-12-14-201110 (A0K0482-21)												

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ORELAP ID: **OR100062**

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

QUALITY CONTROL (QC) SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1012827 - EPA 3546							**Sediment**					
Matrix Spike (1012827-MS1)			Prepared: 01/13/21 10:20		Analyzed: 01/14/21 08:52							**C-07**
QC Source Sample: USMPDI-006SC-D-12-14-201110 (A0K0482-21)												
EPA 8082A												
Aroclor 1016	219	2.57	5.14	ug/kg dry	1	321	ND	68	47-134%	---	---	
Aroclor 1260	279	2.57	5.14	ug/kg dry	1	321	ND	87	53-140%	---	---	
Surr: Decachlorobiphenyl (Surr)			*Recovery: 110 %*		*Limits: 60-125 %*		*Dilution: 1x*					
Matrix Spike (1012827-MS2)			Prepared: 01/13/21 10:20		Analyzed: 01/14/21 11:15							**C-07**
QC Source Sample: USMPDI-003SC-A-03-04-201110 (A0K0482-03)												
EPA 8082A												
Aroclor 1016	175	2.34	4.67	ug/kg dry	1	292	ND	60	47-134%	---	---	
Aroclor 1260	232	2.34	4.67	ug/kg dry	1	292	ND	79	53-140%	---	---	
Surr: Decachlorobiphenyl (Surr)			*Recovery: 100 %*		*Limits: 60-125 %*		*Dilution: 1x*					
Matrix Spike Dup (1012827-MSD1)			Prepared: 01/13/21 10:20		Analyzed: 01/14/21 09:28							**C-07**
QC Source Sample: USMPDI-006SC-D-12-14-201110 (A0K0482-21)												
EPA 8082A												
Aroclor 1016	233	2.66	5.31	ug/kg dry	1	332	ND	70	47-134%	6	30%	
Aroclor 1260	290	2.66	5.31	ug/kg dry	1	332	ND	87	53-140%	4	30%	
Surr: Decachlorobiphenyl (Surr)			*Recovery: 107 %*		*Limits: 60-125 %*		*Dilution: 1x*					
Matrix Spike Dup (1012827-MSD2)			Prepared: 01/13/21 10:20		Analyzed: 01/14/21 11:50							**C-07**
QC Source Sample: USMPDI-003SC-A-03-04-201110 (A0K0482-03)												
EPA 8082A												
Aroclor 1016	169	2.22	4.44	ug/kg dry	1	277	ND	61	47-134%	4	30%	
Aroclor 1260	224	2.22	4.44	ug/kg dry	1	277	ND	81	53-140%	3	30%	
Surr: Decachlorobiphenyl (Surr)			*Recovery: 101 %*		*Limits: 60-125 %*		*Dilution: 1x*					

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ORELAP ID: **OR100062**

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

QUALITY CONTROL (QC) SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1012907 - EPA 3546/3640A (GPC)							**Sediment**					
Blank (1012907-BLK1)			Prepared: 01/06/21 11:23		Analyzed: 01/18/21 16:15							**C-05**
EPA 8081B												
2,4'-DDD	ND	0.909	1.82	ug/kg wet	1	---	---	---	---	---	---	
2,4'-DDE	ND	0.909	1.82	ug/kg wet	1	---	---	---	---	---	---	
2,4'-DDT	ND	0.909	1.82	ug/kg wet	1	---	---	---	---	---	---	
4,4'-DDD	ND	0.909	1.82	ug/kg wet	1	---	---	---	---	---	---	
4,4'-DDE	ND	0.909	1.82	ug/kg wet	1	---	---	---	---	---	---	
4,4'-DDT	ND	0.909	1.82	ug/kg wet	1	---	---	---	---	---	---	
Surr: 2,4,5,6-TCMX (Surr)			*Recovery: 71 %*		*Limits: 42-129 %*			*Dilution: 1x*				
Decachlorobiphenyl (Surr)			*109 %*		*55-130 %*			*"*				
LCS (1012907-BS1)			Prepared: 01/06/21 11:23		Analyzed: 01/18/21 16:32							**C-05**
EPA 8081B												
2,4'-DDD	44.8	1.00	2.00	ug/kg wet	1	50.0	---	90	58-128%	---	---	
2,4'-DDE	40.3	1.00	2.00	ug/kg wet	1	50.0	---	81	49-125%	---	---	
2,4'-DDT	45.8	1.00	2.00	ug/kg wet	1	50.0	---	92	66-145%	---	---	
4,4'-DDD	41.6	1.00	2.00	ug/kg wet	1	50.0	---	83	56-139%	---	---	
4,4'-DDE	38.9	1.00	2.00	ug/kg wet	1	50.0	---	78	56-134%	---	---	
4,4'-DDT	46.3	1.00	2.00	ug/kg wet	1	50.0	---	93	50-141%	---	---	
Surr: 2,4,5,6-TCMX (Surr)			*Recovery: 68 %*		*Limits: 42-129 %*			*Dilution: 1x*				
Decachlorobiphenyl (Surr)			*104 %*		*55-130 %*			*"*				
Duplicate (1012907-DUP1)			Prepared: 01/06/21 11:23		Analyzed: 01/18/21 17:07							**C-05, H-08**
QC Source Sample: USMPDI-003SC-A-01-02-201110 (A0K0482-01RE1)												
EPA 8081B												
2,4'-DDD	ND	1.42	2.84	ug/kg dry	1	---	ND	---	---	---	30%	
2,4'-DDE	ND	1.42	2.84	ug/kg dry	1	---	ND	---	---	---	30%	
2,4'-DDT	ND	1.42	2.84	ug/kg dry	1	---	ND	---	---	---	30%	
4,4'-DDD	ND	1.42	2.84	ug/kg dry	1	---	ND	---	---	---	30%	
4,4'-DDE	ND	1.42	2.84	ug/kg dry	1	---	ND	---	---	---	30%	
4,4'-DDT	ND	1.42	2.84	ug/kg dry	1	---	ND	---	---	---	30%	
Surr: 2,4,5,6-TCMX (Surr)			*Recovery: 70 %*		*Limits: 42-129 %*			*Dilution: 1x*				
Decachlorobiphenyl (Surr)			*104 %*		*55-130 %*			*"*				

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ORELAP ID: **OR100062**

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

QUALITY CONTROL (QC) SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1012907 - EPA 3546/3640A (GPC)							**Sediment**					
Matrix Spike (1012907-MS1)			Prepared: 01/06/21 11:23		Analyzed: 01/18/21 17:58							**C-05, H-08**
QC Source Sample: USMPDI-003SC-A-03-04-201110 (A0K0482-03RE1)												
EPA 8081B												
2,4'-DDD	53.6	1.15	2.30	ug/kg dry	1	57.5	ND	93	58-128%	---	---	
2,4'-DDE	44.8	1.15	2.30	ug/kg dry	1	57.5	ND	78	49-125%	---	---	
2,4'-DDT	58.7	1.15	2.30	ug/kg dry	1	57.5	ND	102	66-145%	---	---	
4,4'-DDD	50.9	1.15	2.30	ug/kg dry	1	57.5	ND	88	56-139%	---	---	
4,4'-DDE	44.1	1.15	2.30	ug/kg dry	1	57.5	ND	77	56-134%	---	---	
4,4'-DDT	62.0	1.15	2.30	ug/kg dry	1	57.5	ND	108	50-141%	---	---	
Surr: 2,4,5,6-TCMX (Surr)			*Recovery: 60 %*		*Limits: 42-129 %*			*Dilution: 1x*				
Decachlorobiphenyl (Surr)			*107 %*		*55-130 %*			*"*				
Matrix Spike (1012907-MS2)			Prepared: 01/06/21 11:23		Analyzed: 01/18/21 23:41							**C-05, H-08**
QC Source Sample: USMPDI-006SC-D-12-14-201110 (A0K0482-21RE1)												
EPA 8081B												
2,4'-DDD	64.8	1.32	2.65	ug/kg dry	1	66.2	ND	98	58-128%	---	---	
2,4'-DDE	61.2	1.32	2.65	ug/kg dry	1	66.2	ND	92	49-125%	---	---	
2,4'-DDT	71.4	1.32	2.65	ug/kg dry	1	66.2	ND	108	66-145%	---	---	
4,4'-DDD	58.0	1.32	2.65	ug/kg dry	1	66.2	ND	88	56-139%	---	---	
4,4'-DDT	71.2	1.32	2.65	ug/kg dry	1	66.2	ND	108	50-141%	---	---	
Surr: 2,4,5,6-TCMX (Surr)			*Recovery: 82 %*		*Limits: 42-129 %*			*Dilution: 1x*				
Decachlorobiphenyl (Surr)			*104 %*		*55-130 %*			*"*				
Matrix Spike (1012907-MS3)			Prepared: 01/06/21 11:23		Analyzed: 01/21/21 18:12							**C-05, H-08**
QC Source Sample: USMPDI-006SC-D-12-14-201110 (A0K0482-21RE2)												
EPA 8081B												
4,4'-DDE	61.0	1.32	2.65	ug/kg dry	1	66.2	ND	92	56-134%	---	---	
Surr: 2,4,5,6-TCMX (Surr)			*Recovery: 85 %*		*Limits: 42-129 %*			*Dilution: 1x*				
Decachlorobiphenyl (Surr)			*110 %*		*55-130 %*			*"*				
Matrix Spike Dup (1012907-MSD1)			Prepared: 01/06/21 11:23		Analyzed: 01/18/21 18:15							**C-05, H-08**
QC Source Sample: USMPDI-003SC-A-03-04-201110 (A0K0482-03RE1)												
EPA 8081B												

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6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

QUALITY CONTROL (QC) SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1012907 - EPA 3546/3640A (GPC)							**Sediment**					
Matrix Spike Dup (1012907-MSD1)			Prepared: 01/06/21 11:23		Analyzed: 01/18/21 18:15							**C-05, H-08**
QC Source Sample: USMPDI-003SC-A-03-04-201110 (A0K0482-03RE1)												
2,4'-DDD	47.2	1.17	2.33	ug/kg dry	1	58.3	ND	81	58-128%	13	30%	
2,4'-DDE	39.7	1.17	2.33	ug/kg dry	1	58.3	ND	68	49-125%	12	30%	
2,4'-DDT	48.6	1.17	2.33	ug/kg dry	1	58.3	ND	83	66-145%	19	30%	
4,4'-DDD	42.7	1.17	2.33	ug/kg dry	1	58.3	ND	73	56-139%	18	30%	
4,4'-DDE	39.4	1.17	2.33	ug/kg dry	1	58.3	ND	68	56-134%	11	30%	
4,4'-DDT	48.6	1.17	2.33	ug/kg dry	1	58.3	ND	83	50-141%	24	30%	
Surr: 2,4,5,6-TCMX (Surr)			*Recovery: 52 %*		*Limits: 42-129 %*			*Dilution: 1x*				
Decachlorobiphenyl (Surr)			*88 %*		*55-130 %*			*"*				
Matrix Spike Dup (1012907-MSD2)			Prepared: 01/06/21 11:23		Analyzed: 01/18/21 23:59							**C-05, H-08**
QC Source Sample: USMPDI-006SC-D-12-14-201110 (A0K0482-21RE1)												
EPA 8081B												
2,4'-DDD	54.2	1.30	2.61	ug/kg dry	1	65.2	ND	83	58-128%	18	30%	
2,4'-DDE	45.9	1.30	2.61	ug/kg dry	1	65.2	ND	70	49-125%	29	30%	
2,4'-DDT	58.7	1.30	2.61	ug/kg dry	1	65.2	ND	90	66-145%	20	30%	
4,4'-DDD	49.6	1.30	2.61	ug/kg dry	1	65.2	ND	76	56-139%	16	30%	
4,4'-DDT	58.6	1.30	2.61	ug/kg dry	1	65.2	ND	90	50-141%	19	30%	
Surr: 2,4,5,6-TCMX (Surr)			*Recovery: 53 %*		*Limits: 42-129 %*			*Dilution: 1x*				
Decachlorobiphenyl (Surr)			*95 %*		*55-130 %*			*"*				
Matrix Spike Dup (1012907-MSD3)			Prepared: 01/06/21 11:23		Analyzed: 01/21/21 18:29							**C-05, H-08**
QC Source Sample: USMPDI-006SC-D-12-14-201110 (A0K0482-21RE2)												
EPA 8081B												
4,4'-DDE	54.4	1.30	2.61	ug/kg dry	1	65.2	ND	83	56-134%	11	30%	
Surr: 2,4,5,6-TCMX (Surr)			*Recovery: 63 %*		*Limits: 42-129 %*			*Dilution: 1x*				
Decachlorobiphenyl (Surr)			*112 %*		*55-130 %*			*"*				

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Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1012490 - EPA 3546							**Sediment**					
Blank (1012490-BLK1)			Prepared: 01/05/21 07:42		Analyzed: 01/05/21 21:55							
EPA 8270E												
Acenaphthene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Acenaphthylene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Anthracene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Benz(a)anthracene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Benzo(a)pyrene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Benzo(b)fluoranthene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Benzo(k)fluoranthene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Benzo(g,h,i)perylene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Chrysene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Dibenz(a,h)anthracene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Fluoranthene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Fluorene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Indeno(1,2,3-cd)pyrene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
2-Methylnaphthalene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Naphthalene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Phenanthrene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Pyrene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Pentachlorophenol (PCP)	ND	11.4	22.7	ug/kg wet	1	---	---	---	---	---	---	
Surr: 2-Fluorobiphenyl (Surr)			*Recovery: 86 %*		*Limits: 44-120 %*			*Dilution: 1x*				
p-Terphenyl-d14 (Surr)			*94 %*		*54-127 %*			*"*				
2,4,6-Tribromophenol (Surr)			*101 %*		*39-132 %*			*"*				
LCS (1012490-BS1)			Prepared: 01/05/21 07:42		Analyzed: 01/05/21 22:25							
EPA 8270E												
Acenaphthene	14.5	1.25	2.50	ug/kg wet	1	20.0	---	72	40-123%	---	---	
Acenaphthylene	15.0	1.25	2.50	ug/kg wet	1	20.0	---	75	32-132%	---	---	
Anthracene	17.0	1.25	2.50	ug/kg wet	1	20.0	---	85	47-123%	---	---	
Benz(a)anthracene	18.7	1.25	2.50	ug/kg wet	1	20.0	---	93	49-126%	---	---	
Benzo(a)pyrene	18.8	1.25	2.50	ug/kg wet	1	20.0	---	94	45-129%	---	---	
Benzo(b)fluoranthene	18.3	1.25	2.50	ug/kg wet	1	20.0	---	92	45-132%	---	---	
Benzo(k)fluoranthene	18.8	1.25	2.50	ug/kg wet	1	20.0	---	94	47-132%	---	---	
Benzo(g,h,i)perylene	16.5	1.25	2.50	ug/kg wet	1	20.0	---	83	43-134%	---	---	
Chrysene	18.2	1.25	2.50	ug/kg wet	1	20.0	---	91	50-124%	---	---	

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Darwin Thomas, Business Development Director

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Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1012490 - EPA 3546							**Sediment**					
LCS (1012490-BS1)			Prepared: 01/05/21 07:42	Analyzed: 01/05/21 22:25								
Dibenz(a,h)anthracene	16.0	1.25	2.50	ug/kg wet	1	20.0	---	80	45-134%	---	---	
Fluoranthene	18.0	1.25	2.50	ug/kg wet	1	20.0	---	90	50-127%	---	---	
Fluorene	16.2	1.25	2.50	ug/kg wet	1	20.0	---	81	43-125%	---	---	
Indeno(1,2,3-cd)pyrene	16.6	1.25	2.50	ug/kg wet	1	20.0	---	83	45-133%	---	---	
2-Methylnaphthalene	15.0	1.25	2.50	ug/kg wet	1	20.0	---	75	38-122%	---	---	
Naphthalene	13.7	1.25	2.50	ug/kg wet	1	20.0	---	69	35-123%	---	---	
Phenanthrene	14.9	1.25	2.50	ug/kg wet	1	20.0	---	75	50-121%	---	---	
Pyrene	15.0	1.25	2.50	ug/kg wet	1	20.0	---	75	47-127%	---	---	
Pentachlorophenol (PCP)	67.3	12.5	25.0	ug/kg wet	1	50.0	---	**135**	**25-133%**	---	---	Q-29
Surr: 2-Fluorobiphenyl (Surr)			*Recovery: 70 %*	*Limits: 44-120 %*			*Dilution: 1x*					
p-Terphenyl-d14 (Surr)			*88 %*	*54-127 %*			*"*					
2,4,6-Tribromophenol (Surr)			*103 %*	*39-132 %*			*"*					
Duplicate (1012490-DUP1)			Prepared: 01/05/21 07:42	Analyzed: 01/05/21 23:27								**H-08**
QC Source Sample: USMPDI-003SC-A-01-02-201110 (A0K0482-01)												
EPA 8270E												
Acenaphthene	**12.1**	1.76	3.52	ug/kg dry	1	---	11.8	---	---	2	30%	
Acenaphthylene	**2.02**	1.76	3.52	ug/kg dry	1	---	1.86	---	---	9	30%	J
Anthracene	**7.51**	1.76	3.52	ug/kg dry	1	---	1.98	---	---	**116**	**30%**	Q-05
Benz(a)anthracene	**7.26**	1.76	3.52	ug/kg dry	1	---	5.56	---	---	27	30%	
Benzo(a)pyrene	**7.77**	1.76	3.52	ug/kg dry	1	---	8.21	---	---	6	30%	
Benzo(b)fluoranthene	**6.95**	1.76	3.52	ug/kg dry	1	---	7.57	---	---	9	30%	
Benzo(k)fluoranthene	**2.34**	1.76	3.52	ug/kg dry	1	---	2.41	---	---	3	30%	J
Benzo(g,h,i)perylene	**5.22**	1.76	3.52	ug/kg dry	1	---	6.93	---	---	28	30%	
Chrysene	**8.06**	1.76	3.52	ug/kg dry	1	---	6.90	---	---	16	30%	
Dibenz(a,h)anthracene	ND	1.76	3.52	ug/kg dry	1	---	ND	---	---	---	30%	
Fluoranthene	**23.2**	1.76	3.52	ug/kg dry	1	---	16.3	---	---	**35**	**30%**	Q-05
Fluorene	**6.46**	1.76	3.52	ug/kg dry	1	---	1.81	---	---	**113**	**30%**	Q-05
Indeno(1,2,3-cd)pyrene	**4.17**	1.76	3.52	ug/kg dry	1	---	5.37	---	---	25	30%	
2-Methylnaphthalene	**13.4**	1.76	3.52	ug/kg dry	1	---	2.72	---	---	**132**	**30%**	Q-05
Naphthalene	**15.3**	1.76	3.52	ug/kg dry	1	---	7.92	---	---	**64**	**30%**	Q-05
Phenanthrene	**43.4**	1.76	3.52	ug/kg dry	1	---	21.4	---	---	**68**	**30%**	Q-17
Pyrene	**23.6**	1.76	3.52	ug/kg dry	1	---	18.6	---	---	24	30%	
Pentachlorophenol (PCP)	ND	17.6	35.2	ug/kg dry	1	---	ND	---	---	---	30%	

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Darwin Thomas, Business Development Director

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6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1012490 - EPA 3546							**Sediment**					
Duplicate (1012490-DUP1)			Prepared: 01/05/21 07:42		Analyzed: 01/05/21 23:27							**H-08**
QC Source Sample: USMPDI-003SC-A-01-02-201110 (A0K0482-01)												
Surr: 2-Fluorobiphenyl (Surr)			*Recovery: 82 %*		*Limits: 44-120 %*		*Dilution: 1x*					
p-Terphenyl-d14 (Surr)			*85 %*		*54-127 %*		*"*					
2,4,6-Tribromophenol (Surr)			*126 %*		*39-132 %*		*"*					
Matrix Spike (1012490-MS1)			Prepared: 01/05/21 07:42		Analyzed: 01/06/21 03:00							**H-08**
QC Source Sample: USMPDI-003SC-A-03-04-201110 (A0K0482-03)												
EPA 8270E												
Acenaphthene	20.3	1.44	2.89	ug/kg dry	1	23.1	2.05	79	40-123%	---	---	
Acenaphthylene	19.4	1.44	2.89	ug/kg dry	1	23.1	ND	84	32-132%	---	---	
Anthracene	21.1	1.44	2.89	ug/kg dry	1	23.1	ND	91	47-123%	---	---	
Benz(a)anthracene	21.9	1.44	2.89	ug/kg dry	1	23.1	1.56	88	49-126%	---	---	
Benzo(a)pyrene	23.7	1.44	2.89	ug/kg dry	1	23.1	2.73	91	45-129%	---	---	
Benzo(b)fluoranthene	21.7	1.44	2.89	ug/kg dry	1	23.1	2.36	84	45-132%	---	---	
Benzo(k)fluoranthene	20.8	1.44	2.89	ug/kg dry	1	23.1	ND	90	47-132%	---	---	
Benzo(g,h,i)perylene	20.9	1.44	2.89	ug/kg dry	1	23.1	2.03	82	43-134%	---	---	
Chrysene	21.2	1.44	2.89	ug/kg dry	1	23.1	1.89	83	50-124%	---	---	
Dibenz(a,h)anthracene	17.0	1.44	2.89	ug/kg dry	1	23.1	ND	74	45-134%	---	---	
Fluoranthene	25.0	1.44	2.89	ug/kg dry	1	23.1	3.52	93	50-127%	---	---	
Fluorene	20.5	1.44	2.89	ug/kg dry	1	23.1	ND	89	43-125%	---	---	
Indeno(1,2,3-cd)pyrene	19.9	1.44	2.89	ug/kg dry	1	23.1	1.69	79	45-133%	---	---	
2-Methylnaphthalene	19.6	1.44	2.89	ug/kg dry	1	23.1	ND	85	38-122%	---	---	
Naphthalene	17.9	1.44	2.89	ug/kg dry	1	23.1	ND	78	35-123%	---	---	
Phenanthrene	24.3	1.44	2.89	ug/kg dry	1	23.1	5.26	82	50-121%	---	---	
Pyrene	23.1	1.44	2.89	ug/kg dry	1	23.1	4.78	79	47-127%	---	---	
Pentachlorophenol (PCP)	92.4	14.4	28.9	ug/kg dry	1	57.8	ND	**160**	**25-133%**	---	---	Q-01
Surr: 2-Fluorobiphenyl (Surr)			*Recovery: 76 %*		*Limits: 44-120 %*		*Dilution: 1x*					
p-Terphenyl-d14 (Surr)			*85 %*		*54-127 %*		*"*					
2,4,6-Tribromophenol (Surr)			*119 %*		*39-132 %*		*"*					
Matrix Spike (1012490-MS2)			Prepared: 01/05/21 07:43		Analyzed: 01/06/21 04:31							**H-08**
QC Source Sample: USMPDI-006SC-D-12-14-201110 (A0K0482-21)												
EPA 8270E												

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6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1012490 - EPA 3546							**Sediment**					
Matrix Spike (1012490-MS2)			Prepared: 01/05/21 07:43		Analyzed: 01/06/21 04:31							**H-08**
QC Source Sample: USMPDI-006SC-D-12-14-201110 (A0K0482-21)												
Acenaphthene	23.5	1.69	3.37	ug/kg dry	1	27.0	ND	87	40-123%	---	---	
Acenaphthylene	24.0	1.69	3.37	ug/kg dry	1	27.0	ND	89	32-132%	---	---	
Anthracene	25.0	1.69	3.37	ug/kg dry	1	27.0	ND	92	47-123%	---	---	
Benz(a)anthracene	25.2	1.69	3.37	ug/kg dry	1	27.0	3.77	79	49-126%	---	---	
Benzo(a)pyrene	25.0	1.69	3.37	ug/kg dry	1	27.0	6.64	68	45-129%	---	---	
Benzo(b)fluoranthene	24.3	1.69	3.37	ug/kg dry	1	27.0	5.62	69	45-132%	---	---	
Benzo(k)fluoranthene	24.5	1.69	3.37	ug/kg dry	1	27.0	2.01	83	47-132%	---	---	
Benzo(g,h,i)perylene	23.0	1.69	3.37	ug/kg dry	1	27.0	5.47	65	43-134%	---	---	
Chrysene	24.1	1.69	3.37	ug/kg dry	1	27.0	4.28	73	50-124%	---	---	
Dibenz(a,h)anthracene	20.4	1.69	3.37	ug/kg dry	1	27.0	ND	76	45-134%	---	---	
Fluoranthene	26.6	1.69	3.37	ug/kg dry	1	27.0	7.05	73	50-127%	---	---	
Fluorene	24.6	1.69	3.37	ug/kg dry	1	27.0	ND	91	43-125%	---	---	
Indeno(1,2,3-cd)pyrene	22.1	1.69	3.37	ug/kg dry	1	27.0	4.54	65	45-133%	---	---	
2-Methylnaphthalene	24.6	1.69	3.37	ug/kg dry	1	27.0	ND	91	38-122%	---	---	
Naphthalene	22.2	1.69	3.37	ug/kg dry	1	27.0	2.25	74	35-123%	---	---	
Phenanthrene	24.3	1.69	3.37	ug/kg dry	1	27.0	4.22	74	50-121%	---	---	
Pyrene	23.5	1.69	3.37	ug/kg dry	1	27.0	7.71	59	47-127%	---	---	
Pentachlorophenol (PCP)	114	16.9	33.7	ug/kg dry	1	67.5	ND	**169**	**25-133%**	---	---	Q-01
Surr: 2-Fluorobiphenyl (Surr)			*Recovery: 83 %*		*Limits: 44-120 %*		*Dilution: 1x*					
p-Terphenyl-d14 (Surr)			*86 %*		*54-127 %*		*"*					
2,4,6-Tribromophenol (Surr)			*129 %*		*39-132 %*		*"*					
Matrix Spike Dup (1012490-MSD1)			Prepared: 01/05/21 07:43		Analyzed: 01/06/21 03:31							**H-08**
QC Source Sample: USMPDI-003SC-A-03-04-201110 (A0K0482-03)												
EPA 8270E												
Acenaphthene	23.3	1.45	2.90	ug/kg dry	1	23.2	2.05	91	40-123%	14	30%	
Acenaphthylene	20.9	1.45	2.90	ug/kg dry	1	23.2	ND	90	32-132%	7	30%	
Anthracene	21.7	1.45	2.90	ug/kg dry	1	23.2	ND	93	47-123%	3	30%	
Benz(a)anthracene	22.6	1.45	2.90	ug/kg dry	1	23.2	1.56	91	49-126%	3	30%	
Benzo(a)pyrene	23.7	1.45	2.90	ug/kg dry	1	23.2	2.73	90	45-129%	0.2	30%	
Benzo(b)fluoranthene	23.7	1.45	2.90	ug/kg dry	1	23.2	2.36	92	45-132%	9	30%	
Benzo(k)fluoranthene	20.8	1.45	2.90	ug/kg dry	1	23.2	ND	90	47-132%	0.4	30%	
Benzo(g,h,i)perylene	23.0	1.45	2.90	ug/kg dry	1	23.2	2.03	90	43-134%	10	30%	

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Semivolatile Organic Compounds by EPA 8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1012490 - EPA 3546							**Sediment**					
Matrix Spike Dup (1012490-MSD1)			Prepared: 01/05/21 07:43		Analyzed: 01/06/21 03:31							**H-08**
QC Source Sample: USMPDI-003SC-A-03-04-201110 (A0K0482-03)												
Chrysene	22.1	1.45	2.90	ug/kg dry	1	23.2	1.89	87	50-124%	4	30%	
Dibenz(a,h)anthracene	17.7	1.45	2.90	ug/kg dry	1	23.2	ND	76	45-134%	4	30%	
Fluoranthene	26.2	1.45	2.90	ug/kg dry	1	23.2	3.52	97	50-127%	4	30%	
Fluorene	21.5	1.45	2.90	ug/kg dry	1	23.2	ND	92	43-125%	5	30%	
Indeno(1,2,3-cd)pyrene	21.5	1.45	2.90	ug/kg dry	1	23.2	1.69	85	45-133%	8	30%	
2-Methylnaphthalene	21.5	1.45	2.90	ug/kg dry	1	23.2	ND	92	38-122%	9	30%	
Naphthalene	19.8	1.45	2.90	ug/kg dry	1	23.2	ND	85	35-123%	10	30%	
Phenanthrene	26.3	1.45	2.90	ug/kg dry	1	23.2	5.26	90	50-121%	8	30%	
Pyrene	26.8	1.45	2.90	ug/kg dry	1	23.2	4.78	95	47-127%	15	30%	
Pentachlorophenol (PCP)	96.6	14.5	29.0	ug/kg dry	1	58.1	ND	**166**	**25-133%**	4	30%	Q-01
Surr: 2-Fluorobiphenyl (Surr)			*Recovery: 78 %*		*Limits: 44-120 %*		*Dilution: 1x*					
p-Terphenyl-d14 (Surr)			*90 %*		*54-127 %*		*"*					
2,4,6-Tribromophenol (Surr)			*120 %*		*39-132 %*		*"*					
Matrix Spike Dup (1012490-MSD2)			Prepared: 01/05/21 07:43		Analyzed: 01/06/21 05:02							**H-08**
QC Source Sample: USMPDI-006SC-D-12-14-201110 (A0K0482-21)												
EPA 8270E												
Acenaphthene	23.3	1.70	3.39	ug/kg dry	1	27.1	ND	86	40-123%	0.8	30%	
Acenaphthylene	23.8	1.70	3.39	ug/kg dry	1	27.1	ND	88	32-132%	0.6	30%	
Anthracene	25.3	1.70	3.39	ug/kg dry	1	27.1	ND	93	47-123%	1	30%	
Benz(a)anthracene	24.7	1.70	3.39	ug/kg dry	1	27.1	3.77	77	49-126%	2	30%	
Benzo(a)pyrene	25.4	1.70	3.39	ug/kg dry	1	27.1	6.64	69	45-129%	1	30%	
Benzo(b)fluoranthene	24.6	1.70	3.39	ug/kg dry	1	27.1	5.62	70	45-132%	1	30%	
Benzo(k)fluoranthene	23.8	1.70	3.39	ug/kg dry	1	27.1	2.01	80	47-132%	3	30%	
Benzo(g,h,i)perylene	22.5	1.70	3.39	ug/kg dry	1	27.1	5.47	63	43-134%	2	30%	
Chrysene	23.7	1.70	3.39	ug/kg dry	1	27.1	4.28	72	50-124%	2	30%	
Dibenz(a,h)anthracene	20.4	1.70	3.39	ug/kg dry	1	27.1	ND	75	45-134%	0.03	30%	
Fluoranthene	26.5	1.70	3.39	ug/kg dry	1	27.1	7.05	72	50-127%	0.6	30%	
Fluorene	24.9	1.70	3.39	ug/kg dry	1	27.1	ND	92	43-125%	1	30%	
Indeno(1,2,3-cd)pyrene	21.9	1.70	3.39	ug/kg dry	1	27.1	4.54	64	45-133%	0.8	30%	
2-Methylnaphthalene	25.1	1.70	3.39	ug/kg dry	1	27.1	ND	92	38-122%	2	30%	
Naphthalene	22.1	1.70	3.39	ug/kg dry	1	27.1	2.25	73	35-123%	0.08	30%	
Phenanthrene	23.7	1.70	3.39	ug/kg dry	1	27.1	4.22	72	50-121%	2	30%	

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Darwin Thomas, Business Development Director

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1012490 - EPA 3546							**Sediment**					
Matrix Spike Dup (1012490-MSD2)			Prepared: 01/05/21 07:43		Analyzed: 01/06/21 05:02							**H-08**
QC Source Sample: USMPDI-006SC-D-12-14-201110 (A0K0482-21)												
Pyrene	22.4	1.70	3.39	ug/kg dry	1	27.1	7.71	54	47-127%	5	30%	
Pentachlorophenol (PCP)	121	17.0	33.9	ug/kg dry	1	67.8	ND	**178**	**25-133%**	5	30%	Q-01
Surr: 2-Fluorobiphenyl (Surr)			*Recovery: 79 %*		*Limits: 44-120 %*			*Dilution: 1x*				
p-Terphenyl-d14 (Surr)			*82 %*		*54-127 %*			*"*				
2,4,6-Tribromophenol (Surr)			*127 %*		*39-132 %*			*"*				

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Apex Laboratories, LLC

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503-718-2323
ORELAP ID: **OR100062**

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1012493 - EPA 3546							**Sediment**					
Blank (1012493-BLK1)			Prepared: 01/05/21 07:44 Analyzed: 01/05/21 23:58									
EPA 8270E												
Acenaphthene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Acenaphthylene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Anthracene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Benz(a)anthracene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Benzo(a)pyrene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Benzo(b)fluoranthene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Benzo(k)fluoranthene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Benzo(g,h,i)perylene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Chrysene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Dibenz(a,h)anthracene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Fluoranthene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Fluorene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Indeno(1,2,3-cd)pyrene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
2-Methylnaphthalene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Naphthalene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Phenanthrene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Pyrene	ND	1.14	2.27	ug/kg wet	1	---	---	---	---	---	---	
Pentachlorophenol (PCP)	ND	11.4	22.7	ug/kg wet	1	---	---	---	---	---	---	
Surr: 2-Fluorobiphenyl (Surr)			*Recovery: 81 %*	*Limits: 44-120 %*			*Dilution: 1x*					
p-Terphenyl-d14 (Surr)			*91 %*	*54-127 %*			*"*					
2,4,6-Tribromophenol (Surr)			*111 %*	*39-132 %*			*"*					
LCS (1012493-BS1)			Prepared: 01/05/21 07:44 Analyzed: 01/06/21 00:28									
EPA 8270E												
Acenaphthene	18.1	1.25	2.50	ug/kg wet	1	20.0	---	91	40-123%	---	---	
Acenaphthylene	19.0	1.25	2.50	ug/kg wet	1	20.0	---	95	32-132%	---	---	
Anthracene	19.2	1.25	2.50	ug/kg wet	1	20.0	---	96	47-123%	---	---	
Benz(a)anthracene	18.8	1.25	2.50	ug/kg wet	1	20.0	---	94	49-126%	---	---	
Benzo(a)pyrene	19.1	1.25	2.50	ug/kg wet	1	20.0	---	95	45-129%	---	---	
Benzo(b)fluoranthene	18.8	1.25	2.50	ug/kg wet	1	20.0	---	94	45-132%	---	---	
Benzo(k)fluoranthene	18.3	1.25	2.50	ug/kg wet	1	20.0	---	92	47-132%	---	---	
Benzo(g,h,i)perylene	17.0	1.25	2.50	ug/kg wet	1	20.0	---	85	43-134%	---	---	
Chrysene	18.2	1.25	2.50	ug/kg wet	1	20.0	---	91	50-124%	---	---	

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Darwin Thomas, Business Development Director

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ORELAP ID: **OR100062**

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1012493 - EPA 3546							**Sediment**					
LCS (1012493-BS1)			Prepared: 01/05/21 07:44	Analyzed: 01/06/21 00:28								
Dibenz(a,h)anthracene	16.4	1.25	2.50	ug/kg wet	1	20.0	---	82	45-134%	---	---	
Fluoranthene	19.0	1.25	2.50	ug/kg wet	1	20.0	---	95	50-127%	---	---	
Fluorene	19.1	1.25	2.50	ug/kg wet	1	20.0	---	96	43-125%	---	---	
Indeno(1,2,3-cd)pyrene	16.8	1.25	2.50	ug/kg wet	1	20.0	---	84	45-133%	---	---	
2-Methylnaphthalene	19.2	1.25	2.50	ug/kg wet	1	20.0	---	96	38-122%	---	---	
Naphthalene	17.5	1.25	2.50	ug/kg wet	1	20.0	---	87	35-123%	---	---	
Phenanthrene	17.5	1.25	2.50	ug/kg wet	1	20.0	---	88	50-121%	---	---	
Pyrene	16.6	1.25	2.50	ug/kg wet	1	20.0	---	83	47-127%	---	---	
Pentachlorophenol (PCP)	69.3	12.5	25.0	ug/kg wet	1	50.0	---	**139**	**25-133%**	---	---	Q-29
Surr: 2-Fluorobiphenyl (Surr)			*Recovery: 88 %*	*Limits: 44-120 %*			*Dilution: 1x*					
p-Terphenyl-d14 (Surr)			*90 %*	*54-127 %*			*"*					
2,4,6-Tribromophenol (Surr)			*121 %*	*39-132 %*			*"*					
Duplicate (1012493-DUP1)			Prepared: 01/05/21 07:44	Analyzed: 01/06/21 01:29								**H-08**
QC Source Sample: USMPDI-1006SC-D-10-12-201110 (A0K0482-22)												
EPA 8270E												
Acenaphthene	ND	1.65	3.31	ug/kg dry	1	---	ND	---	---	---	30%	
Acenaphthylene	ND	1.65	3.31	ug/kg dry	1	---	ND	---	---	---	30%	
Anthracene	ND	1.65	3.31	ug/kg dry	1	---	ND	---	---	---	30%	
Benz(a)anthracene	ND	1.65	3.31	ug/kg dry	1	---	ND	---	---	---	30%	
Benzo(a)pyrene	ND	1.65	3.31	ug/kg dry	1	---	ND	---	---	---	30%	
Benzo(b)fluoranthene	ND	1.65	3.31	ug/kg dry	1	---	ND	---	---	---	30%	
Benzo(k)fluoranthene	ND	1.65	3.31	ug/kg dry	1	---	ND	---	---	---	30%	
Benzo(g,h,i)perylene	ND	1.65	3.31	ug/kg dry	1	---	ND	---	---	---	30%	
Chrysene	ND	1.65	3.31	ug/kg dry	1	---	ND	---	---	---	30%	
Dibenz(a,h)anthracene	ND	1.65	3.31	ug/kg dry	1	---	ND	---	---	---	30%	
Fluoranthene	ND	1.65	3.31	ug/kg dry	1	---	ND	---	---	---	30%	
Fluorene	ND	1.65	3.31	ug/kg dry	1	---	ND	---	---	---	30%	
Indeno(1,2,3-cd)pyrene	ND	1.65	3.31	ug/kg dry	1	---	ND	---	---	---	30%	
2-Methylnaphthalene	ND	1.65	3.31	ug/kg dry	1	---	ND	---	---	---	30%	
Naphthalene	ND	1.65	3.31	ug/kg dry	1	---	ND	---	---	---	30%	
Phenanthrene	**2.74**	1.65	3.31	ug/kg dry	1	---	ND	---	---		**30%**	Q-05, J
Pyrene	ND	1.65	3.31	ug/kg dry	1	---	ND	---	---	---	30%	
Pentachlorophenol (PCP)	ND	16.5	33.1	ug/kg dry	1	---	ND	---	---	---	30%	

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Darwin Thomas, Business Development Director

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503-718-2323
ORELAP ID: **OR100062**

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

QUALITY CONTROL (QC) SAMPLE RESULTS

Semivolatile Organic Compounds by EPA 8270E

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1012493 - EPA 3546							**Sediment**					
Duplicate (1012493-DUP1)			Prepared: 01/05/21 07:44	Analyzed: 01/06/21 01:29								**H-08**
QC Source Sample: USMPDI-1006SC-D-10-12-201110 (A0K0482-22)												
Surr: 2-Fluorobiphenyl (Surr)			*Recovery: 68 %*	*Limits: 44-120 %*			*Dilution: 1x*					
p-Terphenyl-d14 (Surr)			*75 %*	*54-127 %*			*"*					
2,4,6-Tribromophenol (Surr)			*110 %*	*39-132 %*			*"*					
Matrix Spike (1012493-MS1)			Prepared: 01/05/21 07:44	Analyzed: 01/06/21 01:59								
QC Source Sample: USMPDI-1006SC-D-10-12-201110 (A0K0482-22)												
EPA 8270E												
Acenaphthene	22.8	1.66	3.32	ug/kg dry	1	26.6	ND	86	40-123%	---	---	
Acenaphthylene	23.9	1.66	3.32	ug/kg dry	1	26.6	ND	90	32-132%	---	---	
Anthracene	24.3	1.66	3.32	ug/kg dry	1	26.6	ND	92	47-123%	---	---	
Benz(a)anthracene	24.7	1.66	3.32	ug/kg dry	1	26.6	ND	93	49-126%	---	---	
Benzo(a)pyrene	24.2	1.66	3.32	ug/kg dry	1	26.6	ND	91	45-129%	---	---	
Benzo(b)fluoranthene	24.8	1.66	3.32	ug/kg dry	1	26.6	ND	93	45-132%	---	---	
Benzo(k)fluoranthene	23.7	1.66	3.32	ug/kg dry	1	26.6	ND	89	47-132%	---	---	
Benzo(g,h,i)perylene	23.6	1.66	3.32	ug/kg dry	1	26.6	ND	89	43-134%	---	---	
Chrysene	23.5	1.66	3.32	ug/kg dry	1	26.6	ND	89	50-124%	---	---	
Dibenz(a,h)anthracene	20.2	1.66	3.32	ug/kg dry	1	26.6	ND	76	45-134%	---	---	
Fluoranthene	26.1	1.66	3.32	ug/kg dry	1	26.6	ND	98	50-127%	---	---	
Fluorene	24.2	1.66	3.32	ug/kg dry	1	26.6	ND	91	43-125%	---	---	
Indeno(1,2,3-cd)pyrene	22.1	1.66	3.32	ug/kg dry	1	26.6	ND	83	45-133%	---	---	
2-Methylnaphthalene	22.3	1.66	3.32	ug/kg dry	1	26.6	ND	84	38-122%	---	---	
Naphthalene	21.2	1.66	3.32	ug/kg dry	1	26.6	ND	80	35-123%	---	---	
Phenanthrene	23.1	1.66	3.32	ug/kg dry	1	26.6	ND	87	50-121%	---	---	
Pyrene	23.8	1.66	3.32	ug/kg dry	1	26.6	ND	89	47-127%	---	---	
Pentachlorophenol (PCP)	116	16.6	33.2	ug/kg dry	1	66.4	ND	**175**	**25-133%**	---	---	Q-01
Surr: 2-Fluorobiphenyl (Surr)			*Recovery: 81 %*	*Limits: 44-120 %*			*Dilution: 1x*					
p-Terphenyl-d14 (Surr)			*89 %*	*54-127 %*			*"*					
2,4,6-Tribromophenol (Surr)			*123 %*	*39-132 %*			*"*					

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503-718-2323
ORELAP ID: **OR100062**

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1012850 - EPA 3051A							**Sediment**					
Blank (1012850-BLK1)			Prepared: 01/13/21 14:49		Analyzed: 01/14/21 13:36							
EPA 6020B												
Arsenic	ND	0.240	0.481	mg/kg wet	5	---	---	---	---	---	---	
Cadmium	ND	0.0481	0.0962	mg/kg wet	5	---	---	---	---	---	---	
Chromium	ND	0.240	0.481	mg/kg wet	5	---	---	---	---	---	---	
Copper	ND	0.481	0.962	mg/kg wet	5	---	---	---	---	---	---	
Lead	ND	0.0481	0.0962	mg/kg wet	5	---	---	---	---	---	---	
Manganese	ND	0.240	0.481	mg/kg wet	5	---	---	---	---	---	---	
Vanadium	ND	0.481	0.962	mg/kg wet	5	---	---	---	---	---	---	
Zinc	ND	0.962	1.92	mg/kg wet	5	---	---	---	---	---	---	
LCS (1012850-BS1)			Prepared: 01/13/21 14:49		Analyzed: 01/14/21 13:41							
EPA 6020B												
Arsenic	24.3	0.240	0.481	mg/kg wet	5	24.0	---	101	80-120%	---	---	
Cadmium	23.8	0.0481	0.0962	mg/kg wet	5	24.0	---	99	80-120%	---	---	
Chromium	24.8	0.240	0.481	mg/kg wet	5	24.0	---	103	80-120%	---	---	
Copper	25.9	0.481	0.962	mg/kg wet	5	24.0	---	108	80-120%	---	---	
Lead	25.1	0.0481	0.0962	mg/kg wet	5	24.0	---	105	80-120%	---	---	
Manganese	24.9	0.240	0.481	mg/kg wet	5	24.0	---	104	80-120%	---	---	
Vanadium	25.2	0.481	0.962	mg/kg wet	5	24.0	---	105	80-120%	---	---	
Zinc	25.0	0.962	1.92	mg/kg wet	5	24.0	---	104	80-120%	---	---	
Matrix Spike (1012850-MS1)			Prepared: 01/13/21 14:49		Analyzed: 01/14/21 14:58							
QC Source Sample: USMPDI-006SC-D-12-14-201110 (A0K0482-21)												
EPA 6020B												
Arsenic	36.5	0.332	0.665	mg/kg dry	5	33.2	3.52	99	75-125%	---	---	
Cadmium	32.8	0.0665	0.133	mg/kg dry	5	33.2	0.0825	98	75-125%	---	---	
Chromium	56.6	0.332	0.665	mg/kg dry	5	33.2	22.6	102	75-125%	---	---	
Copper	56.9	0.665	1.33	mg/kg dry	5	33.2	22.4	104	75-125%	---	---	
Lead	36.2	0.0665	0.133	mg/kg dry	5	33.2	3.41	99	75-125%	---	---	
Manganese	325	0.332	0.665	mg/kg dry	5	33.2	287	116	75-125%	---	---	
Vanadium	123	0.665	1.33	mg/kg dry	5	33.2	88.3	103	75-125%	---	---	
Zinc	91.8	1.33	2.66	mg/kg dry	5	33.2	57.8	102	75-125%	---	---	
Matrix Spike Dup (1012850-MSD1)			Prepared: 01/13/21 14:49		Analyzed: 01/14/21 15:03							

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Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1012850 - EPA 3051A							**Sediment**					
Matrix Spike Dup (1012850-MSD1)			Prepared: 01/13/21 14:49		Analyzed: 01/14/21 15:03							
QC Source Sample: USMPDI-006SC-D-12-14-201110 (A0K0482-21)												
EPA 6020B												
Arsenic	38.9	0.337	0.674	mg/kg dry	5	33.7	3.52	105	75-125%	6	20%	
Cadmium	35.7	0.0674	0.135	mg/kg dry	5	33.7	0.0825	106	75-125%	8	20%	
Chromium	62.9	0.337	0.674	mg/kg dry	5	33.7	22.6	120	75-125%	10	20%	
Copper	63.3	0.674	1.35	mg/kg dry	5	33.7	22.4	121	75-125%	11	20%	
Lead	40.8	0.0674	0.135	mg/kg dry	5	33.7	3.41	111	75-125%	12	20%	
Manganese	386	0.337	0.674	mg/kg dry	5	33.7	287	**294**	**75-125%**	17	20%	Q-03, Q-04
Vanadium	135	0.674	1.35	mg/kg dry	5	33.7	88.3	**139**	**75-125%**	10	20%	Q-04
Zinc	99.3	1.35	2.70	mg/kg dry	5	33.7	57.8	123	75-125%	8	20%	

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Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

QUALITY CONTROL (QC) SAMPLE RESULTS

Soluble Cyanide by UV Digestion/Gas Diffusion/Amperometric Detection

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0110510 - ASTM D7511-12mod (S)							**Soil**					
Blank (0110510-BLK2)			Prepared: 11/13/20 16:38		Analyzed: 11/18/20 11:50							
D7511-12												
Total Cyanide	ND	0.0500	0.100	mg/kg wet	1	---	---	---	---	---	---	
LCS (0110510-BS2)			Prepared: 11/13/20 16:38		Analyzed: 11/18/20 11:52							
D7511-12												
Total Cyanide	0.443	0.0500	0.100	mg/kg wet	1	0.400	---	111	84-116%	---	---	
Matrix Spike (0110510-MS2)			Prepared: 11/13/20 16:38		Analyzed: 11/17/20 18:50							
QC Source Sample: Non-SDG (A0K0477-35)												
D7511-12												
Total Cyanide	0.254	0.0569	0.114	mg/kg dry	1	0.455	ND	**56**	**64-136%**	---	---	Q-04
Matrix Spike (0110510-MS3)			Prepared: 11/13/20 16:38		Analyzed: 11/18/20 12:04							
QC Source Sample: Non-SDG (A0K0477-13RE1)												
D7511-12												
Total Cyanide	0.121	0.0672	0.134	mg/kg dry	1	0.537	ND	**22**	**64-136%**	---	---	Q-01, Q-16, J
Matrix Spike Dup (0110510-MSD2)			Prepared: 11/13/20 16:38		Analyzed: 11/17/20 18:54							
QC Source Sample: Non-SDG (A0K0477-35)												
Total Cyanide	0.239	0.0564	0.113	mg/kg dry	1	0.451	ND	**53**	**64-136%**	6	47%	Q-04
Matrix Spike Dup (0110510-MSD3)			Prepared: 11/13/20 16:38		Analyzed: 11/18/20 12:06							
QC Source Sample: Non-SDG (A0K0477-13RE1)												
Total Cyanide	0.110	0.0667	0.133	mg/kg dry	1	0.533	ND	**21**	**64-136%**	10	47%	Q-01, Q-16, J

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6700 S.W. Sandburg Street
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503-718-2323
ORELAP ID: **OR100062**

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

QUALITY CONTROL (QC) SAMPLE RESULTS

Soluble Cyanide by UV Digestion/Gas Diffusion/Amperometric Detection

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0110520 - ASTM D7511-12mod (S)							**Soil**					
Blank (0110520-BLK1)			Prepared: 11/14/20 08:42		Analyzed: 11/14/20 11:53							
D7511-12												
Total Cyanide	ND	0.0500	0.100	mg/kg wet	1	---	---	---	---	---	---	
LCS (0110520-BS1)			Prepared: 11/14/20 08:42		Analyzed: 11/14/20 11:55							
D7511-12												
Total Cyanide	0.435	0.0500	0.100	mg/kg wet	1	0.400	---	109	84-116%	---	---	
Matrix Spike (0110520-MS1)			Prepared: 11/14/20 08:42		Analyzed: 11/14/20 12:01							
QC Source Sample: Non-SDG (A0K0339-09RE1)												
D7511-12												
Total Cyanide	0.365	0.0497	0.0994	mg/kg wet	1	0.398	ND	92	64-136%	---	---	
Matrix Spike (0110520-MS2)			Prepared: 11/14/20 08:42		Analyzed: 11/14/20 12:38							
QC Source Sample: USMPDI-006SC-D-12-14-201110 (A0K0482-21)												
D7511-12												
Total Cyanide	0.452	0.0656	0.131	mg/kg dry	1	0.525	ND	86	64-136%	---	---	
Matrix Spike Dup (0110520-MSD1)			Prepared: 11/14/20 08:42		Analyzed: 11/14/20 12:03							
QC Source Sample: Non-SDG (A0K0339-09RE1)												
Total Cyanide	0.343	0.0491	0.0982	mg/kg wet	1	0.393	ND	87	64-136%	6	47%	
Matrix Spike Dup (0110520-MSD2)			Prepared: 11/14/20 08:42		Analyzed: 11/14/20 12:40							
QC Source Sample: USMPDI-006SC-D-12-14-201110 (A0K0482-21)												
D7511-12												
Total Cyanide	0.476	0.0675	0.135	mg/kg dry	1	0.540	ND	88	64-136%	5	47%	

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6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

QUALITY CONTROL (QC) SAMPLE RESULTS

Demand Parameters

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1012499 - PSEP-5310B TOC							**Soil**					
Blank (1012499-BLK1)			Prepared: 01/05/21 09:25		Analyzed: 01/06/21 15:57							
PSEP_SM 5310B MOD												
Total Organic Carbon	ND	---	0.020	% wet	1	---	---	---	---	---	---	
LCS (1012499-BS1)			Prepared: 01/05/21 09:25		Analyzed: 01/06/21 16:07							
PSEP_SM 5310B MOD												
Total Organic Carbon	9000	---		mg/kg	1	10000	---	90	88-111%	---	---	
Duplicate (1012499-DUP1)			Prepared: 01/05/21 09:25		Analyzed: 01/06/21 16:50							
QC Source Sample: USMPDI-003SC-A-03-04-201110 (A0K0482-03)												
PSEP_SM 5310B MOD												
Total Organic Carbon	**0.045**	---	0.024	% dry	1	---	0.046	---	---	2	27%	
Duplicate (1012499-DUP2)			Prepared: 01/05/21 09:25		Analyzed: 01/06/21 17:01							
QC Source Sample: USMPDI-003SC-A-03-04-201110 (A0K0482-03)												
PSEP_SM 5310B MOD												
Total Organic Carbon	**0.050**	---	0.024	% dry	1	---	0.046	---	---	7	27%	
Duplicate (1012499-DUP3)			Prepared: 01/05/21 09:25		Analyzed: 01/06/21 19:32							
QC Source Sample: USMPDI-006SC-D-12-14-201110 (A0K0482-21)												
PSEP_SM 5310B MOD												
Total Organic Carbon	**0.10**	---	0.027	% dry	1	---	0.059	---	---	**55**	**27%**	Q-04

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6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

QUALITY CONTROL (QC) SAMPLE RESULTS

Solid and Moisture Determinations

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0110543 - Total Solids (SM2540G/PSEP)								**Sediment**				
Duplicate (0110543-DUP1)			Prepared: 11/16/20 10:54			Analyzed: 11/18/20 19:08						
QC Source Sample: USMPDI-003SC-A-03-04-201110 (A0K0482-03)												
SM 2540 G												
Total Solids	**83.5**	---	1.00	%	1	---	83.8	---	---	0.3	10%	
Duplicate (0110543-DUP2)			Prepared: 11/16/20 10:54			Analyzed: 11/18/20 19:08						
QC Source Sample: USMPDI-006SC-D-12-14-201110 (A0K0482-21)												
SM 2540 G												
Total Solids	**73.4**	---	1.00	%	1	---	73.6	---	---	0.2	10%	

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QUALITY CONTROL (QC) SAMPLE RESULTS

Solid and Moisture Determinations

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1012592 - Total Solids (SM2540G/PSEP)							**Soil**					
Duplicate (1012592-DUP1)			Prepared: 01/06/21 14:43		Analyzed: 01/07/21 13:54							
QC Source Sample: USMPDI-1006SC-D-10-12-201110 (A0K0482-22)												
SM 2540 G												
Total Solids	**73.2**	---	1.00	%	1	---	73.8	---	---	0.8	10%	

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Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

SAMPLE PREPARATION INFORMATION

Selected Volatile Organic Compounds by EPA 8260D

Prep: EPA 5030B

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 0110532							
A0K0482-06	WQ	EPA 8260D	11/10/20 12:16	11/16/20 10:13	5mL/5mL	5mL/5mL	1.00

Selected Volatile Organic Compounds by EPA 5035A/8260D

Prep: EPA 5035A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 0110632							
A0K0482-07	SE	5035A/8260D	11/10/20 11:55	11/10/20 11:55	5.75g/5mL	5g/5mL	0.87
A0K0482-08	SE	5035A/8260D	11/10/20 11:55	11/10/20 11:55	5.18g/5mL	5g/5mL	0.97
A0K0482-09	SE	5035A/8260D	11/10/20 11:55	11/10/20 11:55	5.76g/5mL	5g/5mL	0.87
A0K0482-10	SE	5035A/8260D	11/10/20 11:55	11/10/20 11:55	4.99g/5mL	5g/5mL	1.00
A0K0482-15	SE	5035A/8260D	11/10/20 09:05	11/10/20 09:05	4.49g/5mL	5g/5mL	1.11
Batch: 0110717							
A0K0482-16RE1	SE	5035A/8260D	11/10/20 09:05	11/10/20 09:05	6g/5mL	5g/5mL	0.83
A0K0482-17RE1	SE	5035A/8260D	11/10/20 09:05	11/10/20 09:05	5.37g/5mL	5g/5mL	0.93
A0K0482-18RE1	SE	5035A/8260D	11/10/20 09:05	11/10/20 09:05	4.72g/5mL	5g/5mL	1.06
A0K0482-19RE1	SE	5035A/8260D	11/10/20 09:05	11/10/20 09:05	5.36g/5mL	5g/5mL	0.93
A0K0482-20RE1	SE	5035A/8260D	11/10/20 09:05	11/10/20 09:05	6.3g/5mL	5g/5mL	0.79
Batch: 0110771							
A0K0482-21	SE	5035A/8260D	11/10/20 09:05	11/10/20 09:05	5.81g/5mL	5g/5mL	0.86
A0K0482-22	SE	5035A/8260D	11/10/20 09:05	11/10/20 09:05	5.76g/5mL	5g/5mL	0.87

Polychlorinated Biphenyls by EPA 8082A

Prep: EPA 3546

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 1012827							
A0K0482-01	SE	EPA 8082A	11/10/20 12:15	01/13/21 10:20	10.76g/2mL	10g/2mL	0.93
A0K0482-02	SE	EPA 8082A	11/10/20 12:15	01/13/21 10:20	10.92g/2mL	10g/2mL	0.92
A0K0482-03	SE	EPA 8082A	11/10/20 12:15	01/13/21 10:20	10.34g/2mL	10g/2mL	0.97
A0K0482-04	SE	EPA 8082A	11/10/20 12:15	01/13/21 10:20	10.62g/2mL	10g/2mL	0.94
A0K0482-05	SE	EPA 8082A	11/10/20 12:15	01/13/21 10:20	10.79g/2mL	10g/2mL	0.93
A0K0482-10	SE	EPA 8082A	11/10/20 11:55	01/13/21 10:20	10.96g/2mL	10g/2mL	0.91
A0K0482-11	SE	EPA 8082A	11/10/20 09:25	01/13/21 10:20	10.29g/2mL	10g/2mL	0.97
A0K0482-12	SE	EPA 8082A	11/10/20 09:25	01/13/21 10:20	10.97g/2mL	10g/2mL	0.91

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ORELAP ID: **OR100062**

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

SAMPLE PREPARATION INFORMATION

Polychlorinated Biphenyls by EPA 8082A

Prep: EPA 3546

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
A0K0482-13	SE	EPA 8082A	11/10/20 09:25	01/13/21 10:20	10.99g/2mL	10g/2mL	0.91
A0K0482-14	SE	EPA 8082A	11/10/20 09:25	01/13/21 10:20	10.71g/2mL	10g/2mL	0.93
A0K0482-18	SE	EPA 8082A	11/10/20 09:05	01/13/21 10:20	11g/2mL	10g/2mL	0.91
A0K0482-19	SE	EPA 8082A	11/10/20 09:05	01/13/21 10:20	10.24g/2mL	10g/2mL	0.98
A0K0482-20	SE	EPA 8082A	11/10/20 09:05	01/13/21 10:20	10.58g/2mL	10g/2mL	0.95
A0K0482-21	SE	EPA 8082A	11/10/20 09:05	01/13/21 10:20	10.71g/2mL	10g/2mL	0.93
A0K0482-22	SE	EPA 8082A	11/10/20 09:05	01/13/21 10:20	10.32g/2mL	10g/2mL	0.97

Organochlorine Pesticides by EPA 8081B

Prep: EPA 3546/3640A (GPC)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 1012907							
A0K0482-01RE1	SE	EPA 8081B	11/10/20 12:15	01/06/21 11:23	10.6g/10mL	10g/5mL	1.89
A0K0482-02RE1	SE	EPA 8081B	11/10/20 12:15	01/06/21 11:23	10.16g/10mL	10g/5mL	1.97
A0K0482-03RE1	SE	EPA 8081B	11/10/20 12:15	01/06/21 11:23	10.27g/10mL	10g/5mL	1.95
A0K0482-04RE1	SE	EPA 8081B	11/10/20 12:15	01/06/21 11:23	10.45g/10mL	10g/5mL	1.91
A0K0482-04RE2	SE	EPA 8081B	11/10/20 12:15	01/06/21 11:23	10.45g/10mL	10g/5mL	1.91
A0K0482-05RE1	SE	EPA 8081B	11/10/20 12:15	01/06/21 11:23	10.45g/10mL	10g/5mL	1.91
A0K0482-05RE2	SE	EPA 8081B	11/10/20 12:15	01/06/21 11:23	10.45g/10mL	10g/5mL	1.91
A0K0482-10RE1	SE	EPA 8081B	11/10/20 11:55	01/06/21 11:23	10.67g/10mL	10g/5mL	1.87
A0K0482-10RE2	SE	EPA 8081B	11/10/20 11:55	01/06/21 11:23	10.67g/10mL	10g/5mL	1.87
A0K0482-11RE1	SE	EPA 8081B	11/10/20 09:25	01/06/21 11:23	10.63g/10mL	10g/5mL	1.88
A0K0482-11RE2	SE	EPA 8081B	11/10/20 09:25	01/06/21 11:23	10.63g/10mL	10g/5mL	1.88
A0K0482-12RE1	SE	EPA 8081B	11/10/20 09:25	01/06/21 11:23	10.13g/10mL	10g/5mL	1.97
A0K0482-12RE2	SE	EPA 8081B	11/10/20 09:25	01/06/21 11:23	10.13g/10mL	10g/5mL	1.97
A0K0482-13RE1	SE	EPA 8081B	11/10/20 09:25	01/06/21 11:23	10.29g/10mL	10g/5mL	1.94
A0K0482-13RE2	SE	EPA 8081B	11/10/20 09:25	01/06/21 11:23	10.29g/10mL	10g/5mL	1.94
A0K0482-14RE1	SE	EPA 8081B	11/10/20 09:25	01/06/21 11:23	10.49g/10mL	10g/5mL	1.91
A0K0482-14RE2	SE	EPA 8081B	11/10/20 09:25	01/06/21 11:23	10.49g/10mL	10g/5mL	1.91
A0K0482-18RE1	SE	EPA 8081B	11/10/20 09:05	01/06/21 11:23	10.77g/10mL	10g/5mL	1.86
A0K0482-18RE2	SE	EPA 8081B	11/10/20 09:05	01/06/21 11:23	10.77g/10mL	10g/5mL	1.86
A0K0482-19RE1	SE	EPA 8081B	11/10/20 09:05	01/06/21 11:23	10.61g/10mL	10g/5mL	1.89
A0K0482-19RE2	SE	EPA 8081B	11/10/20 09:05	01/06/21 11:23	10.61g/10mL	10g/5mL	1.89
A0K0482-20RE1	SE	EPA 8081B	11/10/20 09:05	01/06/21 11:23	10.45g/10mL	10g/5mL	1.91
A0K0482-20RE2	SE	EPA 8081B	11/10/20 09:05	01/06/21 11:23	10.45g/10mL	10g/5mL	1.91
A0K0482-21RE1	SE	EPA 8081B	11/10/20 09:05	01/06/21 11:23	10.49g/10mL	10g/5mL	1.91

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6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

SAMPLE PREPARATION INFORMATION

Organochlorine Pesticides by EPA 8081B

Prep: EPA 3546/3640A (GPC)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
A0K0482-21RE2	SE	EPA 8081B	11/10/20 09:05	01/06/21 11:23	10.49g/10mL	10g/5mL	1.91
A0K0482-22RE1	SE	EPA 8081B	11/10/20 09:05	01/06/21 11:23	10.33g/10mL	10g/5mL	1.94
A0K0482-22RE2	SE	EPA 8081B	11/10/20 09:05	01/06/21 11:23	10.33g/10mL	10g/5mL	1.94

Semivolatile Organic Compounds by EPA 8270E

Prep: EPA 3546

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 1012490							
A0K0482-01	SE	EPA 8270E	11/10/20 12:15	01/05/21 07:42	10.61g/5mL	10g/5mL	0.94
A0K0482-02	SE	EPA 8270E	11/10/20 12:15	01/05/21 07:42	10.11g/5mL	10g/5mL	0.99
A0K0482-03	SE	EPA 8270E	11/10/20 12:15	01/05/21 07:42	10.28g/5mL	10g/5mL	0.97
A0K0482-04	SE	EPA 8270E	11/10/20 12:15	01/05/21 07:42	10.43g/5mL	10g/5mL	0.96
A0K0482-05	SE	EPA 8270E	11/10/20 12:15	01/05/21 07:42	10.08g/5mL	10g/5mL	0.99
A0K0482-07	SE	EPA 8270E	11/10/20 11:55	01/05/21 07:42	10.45g/5mL	10g/5mL	0.96
A0K0482-08	SE	EPA 8270E	11/10/20 11:55	01/05/21 07:42	10.35g/5mL	10g/5mL	0.97
A0K0482-09	SE	EPA 8270E	11/10/20 11:55	01/05/21 07:42	10.47g/5mL	10g/5mL	0.96
A0K0482-10	SE	EPA 8270E	11/10/20 11:55	01/05/21 07:42	10.06g/5mL	10g/5mL	0.99
A0K0482-11	SE	EPA 8270E	11/10/20 09:25	01/05/21 07:42	10.49g/5mL	10g/5mL	0.95
A0K0482-12	SE	EPA 8270E	11/10/20 09:25	01/05/21 07:42	10.16g/5mL	10g/5mL	0.98
A0K0482-13	SE	EPA 8270E	11/10/20 09:25	01/05/21 07:42	10.51g/5mL	10g/5mL	0.95
A0K0482-14	SE	EPA 8270E	11/10/20 09:25	01/05/21 07:42	10.5g/5mL	10g/5mL	0.95
A0K0482-14RE1	SE	EPA 8270E	11/10/20 09:25	01/05/21 07:42	10.5g/5mL	10g/5mL	0.95
A0K0482-15	SE	EPA 8270E	11/10/20 09:05	01/05/21 07:42	10.63g/5mL	10g/5mL	0.94
A0K0482-16	SE	EPA 8270E	11/10/20 09:05	01/05/21 07:42	10.52g/5mL	10g/5mL	0.95
A0K0482-17	SE	EPA 8270E	11/10/20 09:05	01/05/21 07:42	10.24g/5mL	10g/5mL	0.98
A0K0482-18	SE	EPA 8270E	11/10/20 09:05	01/05/21 07:42	10.43g/5mL	10g/5mL	0.96
A0K0482-19	SE	EPA 8270E	11/10/20 09:05	01/05/21 07:42	10.25g/5mL	10g/5mL	0.98
A0K0482-20	SE	EPA 8270E	11/10/20 09:05	01/05/21 07:42	10.26g/5mL	10g/5mL	0.98
A0K0482-21	SE	EPA 8270E	11/10/20 09:05	01/05/21 07:42	10.01g/5mL	10g/5mL	1.00
Batch: 1012493							
A0K0482-22	SE	EPA 8270E	11/10/20 09:05	01/05/21 07:44	10.36g/5mL	10g/5mL	0.97

Total Metals by EPA 6020B (ICPMS)

Prep: EPA 3051A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor

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Darwin Thomas, Business Development Director

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

SAMPLE PREPARATION INFORMATION

Total Metals by EPA 6020B (ICPMS)

Prep: EPA 3051A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 1012850							
A0K0482-07	SE	EPA 6020B	11/10/20 11:55	01/13/21 14:49	0.493g/50mL	0.5g/50mL	1.01
A0K0482-08	SE	EPA 6020B	11/10/20 11:55	01/13/21 14:49	0.497g/50mL	0.5g/50mL	1.01
A0K0482-09	SE	EPA 6020B	11/10/20 11:55	01/13/21 14:49	0.508g/50mL	0.5g/50mL	0.98
A0K0482-10	SE	EPA 6020B	11/10/20 11:55	01/13/21 14:49	0.498g/50mL	0.5g/50mL	1.00
A0K0482-15	SE	EPA 6020B	11/10/20 09:05	01/13/21 14:49	0.501g/50mL	0.5g/50mL	1.00
A0K0482-16	SE	EPA 6020B	11/10/20 09:05	01/13/21 14:49	0.498g/50mL	0.5g/50mL	1.00
A0K0482-17	SE	EPA 6020B	11/10/20 09:05	01/13/21 14:49	0.49g/50mL	0.5g/50mL	1.02
A0K0482-18	SE	EPA 6020B	11/10/20 09:05	01/13/21 14:49	0.519g/50mL	0.5g/50mL	0.96
A0K0482-19	SE	EPA 6020B	11/10/20 09:05	01/13/21 14:49	0.484g/50mL	0.5g/50mL	1.03
A0K0482-20	SE	EPA 6020B	11/10/20 09:05	01/13/21 14:49	0.481g/50mL	0.5g/50mL	1.04
A0K0482-21	SE	EPA 6020B	11/10/20 09:05	01/13/21 14:49	0.501g/50mL	0.5g/50mL	1.00
A0K0482-22	SE	EPA 6020B	11/10/20 09:05	01/13/21 14:49	0.506g/50mL	0.5g/50mL	0.99

Soluble Cyanide by UV Digestion/Gas Diffusion/Amperometric Detection

Prep: ASTM D7511-12mod (S)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 0110510							
A0K0482-07	SE	D7511-12	11/10/20 11:55	11/13/20 16:38	2.542g/50mL	2.5g/50mL	0.98
A0K0482-08	SE	D7511-12	11/10/20 11:55	11/13/20 16:38	2.5779g/50mL	2.5g/50mL	0.97
Batch: 0110520							
A0K0482-09	SE	D7511-12	11/10/20 11:55	11/14/20 08:42	2.5331g/50mL	2.5g/50mL	0.99
A0K0482-10	SE	D7511-12	11/10/20 11:55	11/14/20 08:42	2.5309g/50mL	2.5g/50mL	0.99
A0K0482-15RE1	SE	D7511-12	11/10/20 09:05	11/14/20 08:42	2.5202g/50mL	2.5g/50mL	0.99
A0K0482-16	SE	D7511-12	11/10/20 09:05	11/14/20 08:42	2.5338g/50mL	2.5g/50mL	0.99
A0K0482-17	SE	D7511-12	11/10/20 09:05	11/14/20 08:42	2.5521g/50mL	2.5g/50mL	0.98
A0K0482-18	SE	D7511-12	11/10/20 09:05	11/14/20 08:42	2.5073g/50mL	2.5g/50mL	1.00
A0K0482-19	SE	D7511-12	11/10/20 09:05	11/14/20 08:42	2.5325g/50mL	2.5g/50mL	0.99
A0K0482-20	SE	D7511-12	11/10/20 09:05	11/14/20 08:42	2.5034g/50mL	2.5g/50mL	1.00
A0K0482-21	SE	D7511-12	11/10/20 09:05	11/14/20 08:42	2.5416g/50mL	2.5g/50mL	0.98
A0K0482-22	SE	D7511-12	11/10/20 09:05	11/14/20 08:42	2.5884g/50mL	2.5g/50mL	0.97

Demand Parameters

Prep: PSEP-5310B TOC

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor

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Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

SAMPLE PREPARATION INFORMATION

Demand Parameters

Prep: PSEP-5310B TOC

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 1012499							
A0K0482-01	SE	PSEP_SM 5310B MOD	11/10/20 12:15	01/05/21 09:25			NA
A0K0482-02	SE	PSEP_SM 5310B MOD	11/10/20 12:15	01/05/21 09:25			NA
A0K0482-03	SE	PSEP_SM 5310B MOD	11/10/20 12:15	01/05/21 09:25			NA
A0K0482-04	SE	PSEP_SM 5310B MOD	11/10/20 12:15	01/05/21 09:25			NA
A0K0482-05	SE	PSEP_SM 5310B MOD	11/10/20 12:15	01/05/21 09:25			NA
A0K0482-10	SE	PSEP_SM 5310B MOD	11/10/20 11:55	01/05/21 09:25			NA
A0K0482-11	SE	PSEP_SM 5310B MOD	11/10/20 09:25	01/05/21 09:25			NA
A0K0482-12	SE	PSEP_SM 5310B MOD	11/10/20 09:25	01/05/21 09:25			NA
A0K0482-13	SE	PSEP_SM 5310B MOD	11/10/20 09:25	01/05/21 09:25			NA
A0K0482-14	SE	PSEP_SM 5310B MOD	11/10/20 09:25	01/05/21 09:25			NA
A0K0482-18	SE	PSEP_SM 5310B MOD	11/10/20 09:05	01/05/21 09:25			NA
A0K0482-19	SE	PSEP_SM 5310B MOD	11/10/20 09:05	01/05/21 09:25			NA
A0K0482-20	SE	PSEP_SM 5310B MOD	11/10/20 09:05	01/05/21 09:25			NA
A0K0482-21	SE	PSEP_SM 5310B MOD	11/10/20 09:05	01/05/21 09:25			NA
A0K0482-22	SE	PSEP_SM 5310B MOD	11/10/20 09:05	01/05/21 09:25			NA

Solid and Moisture Determinations

Prep: Total Solids (SM2540G/PSEP)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 0110543							
A0K0482-01	SE	SM 2540 G	11/10/20 12:15	11/16/20 10:54			NA
A0K0482-02	SE	SM 2540 G	11/10/20 12:15	11/16/20 10:54			NA
A0K0482-03	SE	SM 2540 G	11/10/20 12:15	11/16/20 10:54			NA
A0K0482-04	SE	SM 2540 G	11/10/20 12:15	11/16/20 10:54			NA

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6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

SAMPLE PREPARATION INFORMATION

Solid and Moisture Determinations

Prep: Total Solids (SM2540G/PSEP)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
A0K0482-05	SE	SM 2540 G	11/10/20 12:15	11/16/20 10:54			NA
A0K0482-08	SE	SM 2540 G	11/10/20 11:55	11/16/20 10:54			NA
A0K0482-09	SE	SM 2540 G	11/10/20 11:55	11/16/20 10:54			NA
A0K0482-10	SE	SM 2540 G	11/10/20 11:55	11/16/20 10:54			NA
A0K0482-11	SE	SM 2540 G	11/10/20 09:25	11/16/20 10:54			NA
A0K0482-12	SE	SM 2540 G	11/10/20 09:25	11/16/20 10:54			NA
A0K0482-13	SE	SM 2540 G	11/10/20 09:25	11/16/20 10:54			NA
A0K0482-14	SE	SM 2540 G	11/10/20 09:25	11/16/20 10:54			NA
A0K0482-15	SE	SM 2540 G	11/10/20 09:05	11/16/20 10:54			NA
A0K0482-16	SE	SM 2540 G	11/10/20 09:05	11/16/20 10:54			NA
A0K0482-17	SE	SM 2540 G	11/10/20 09:05	11/16/20 10:54			NA
A0K0482-18	SE	SM 2540 G	11/10/20 09:05	11/16/20 10:54			NA
A0K0482-19	SE	SM 2540 G	11/10/20 09:05	11/16/20 10:54			NA
A0K0482-20	SE	SM 2540 G	11/10/20 09:05	11/16/20 10:54			NA
A0K0482-21	SE	SM 2540 G	11/10/20 09:05	11/16/20 10:54			NA
Batch: 1012592							
A0K0482-22	SE	SM 2540 G	11/10/20 09:05	01/06/21 14:43			NA

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QUALIFIER DEFINITIONS

Client Sample and Quality Control (QC) Sample Qualifier Definitions:

Apex Laboratories

C-05	Extract has undergone a GPC (Gel-Permeation Chromatography) cleanup per EPA 3640A. Reporting levels may be raised due to dilution necessary for cleanup. Sample Final Volume includes the GPC dilution factor, see the Prep page for details.
C-07	Extract has undergone Sulfuric Acid Cleanup by EPA 3665A, Sulfur Cleanup by EPA 3660B, and Florisil Cleanup by EPA 3620B in order to minimize matrix interference.
H-08	Sample hold time extended by freezing at -18 degrees C. Total time at 4 degrees C was less than the standard hold time.
J	Estimated Result. Result detected below the lowest point of the calibration curve, but above the specified MDL.
M-05	Estimated results. Peak separation for structural isomers is insufficient for accurate quantification.
P-11	Result estimated. Secondary column confirmation does not meet method criteria due to matrix interference.
P-12	Result estimated due to the presence of multiple PCB Aroclors and/or PCB congeners not defined as Aroclors.
Q-01	Spike recovery and/or RPD is outside acceptance limits.
Q-03	Spike recovery and/or RPD is outside control limits due to the high concentration of analyte present in the sample.
Q-04	Spike recovery and/or RPD is outside control limits due to a non-homogeneous sample matrix.
Q-05	Analyses are not controlled on RPD values from sample and duplicate concentrations that are below 5 times the reporting level.
Q-16	Reanalysis of an original Batch QC sample.
Q-17	RPD between original and duplicate sample is outside of established control limits.
Q-29	Recovery for Lab Control Spike (LCS) is above the upper control limit. Data may be biased high.
Q-37	Sample is non-homogenous. Sample results are less than MRL and duplicate results have hits greater than the MRL. See Duplicate results.
Q-41	Estimated Results. Recovery of Continuing Calibration Verification sample above upper control limit for this analyte. Results are likely biased high.
Q-42	Matrix Spike and/or Duplicate analysis was performed on this sample. % Recovery or RPD for this analyte is outside laboratory control limits. (Refer to the QC Section of Analytical Report.)
R-02	The Reporting Limit for this analyte has been raised to account for interference from coeluting organic compounds present in the sample.
R-04	Reporting levels elevated due to preparation and/or analytical dilution necessary for analysis.
S-05	Surrogate recovery is estimated due to sample dilution required for high analyte concentration and/or matrix interference.
S-06	Surrogate recovery is outside of established control limits.
V-15	Sample aliquot was subsampled from the sample container. The subsampled aliquot was preserved in the laboratory within 48 hours of sampling.

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6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

REPORTING NOTES AND CONVENTIONS:

Abbreviations:

DET Analyte DETECTED at or above the detection or reporting limit.

ND Analyte NOT DETECTED at or above the detection or reporting limit.

NR Result Not Reported

RPD Relative Percent Difference. RPDs for Matrix Spikes and Matrix Spike Duplicates are based on concentration, not recovery.

Detection Limits: Limit of Detection (LOD)

Limits of Detection (LODs) are normally set at a level of one half the validated Limit of Quantitation (LOQ).
If no value is listed ('-----'), then the data has not been evaluated below the Reporting Limit.

Reporting Limits: Limit of Quantitation (LOQ)

Validated Limits of Quantitation (LOQs) are reported as the Reporting Limits for all analyses where the LOQ, MRL, PQL or CRL are requested. The LOQ represents a level at or above the low point of the calibration curve, that has been validated according to Apex Laboratories' comprehensive LOQ policies and procedures.

Reporting Conventions:

Basis: Results for soil samples are generally reported on a 100% dry weight basis.
The Result Basis is listed following the units as " dry", " wet", or " " (blank) designation.

" dry" Sample results and Reporting Limits are reported on a dry weight basis. (i.e. "ug/kg dry")
See Percent Solids section for details of dry weight analysis.

" wet" Sample results and Reporting Limits for this analysis are normally dry weight corrected, but have not been modified in this case.

" " Results without 'wet' or 'dry' designation are not normally dry weight corrected. These results are considered 'As Received'.

QC Source:

In cases where there is insufficient sample provided for Sample Duplicates and/or Matrix Spikes, a Lab Control Sample Duplicate (LCS Dup) may be analyzed to demonstrate accuracy and precision of the extraction batch.

Non-Client Batch QC Samples (Duplicates and Matrix Spike/Duplicates) may not be included in this report. Please request a Full QC report if this data is required.

Miscellaneous Notes:

" --- " QC results are not applicable. For example, % Recoveries for Blanks and Duplicates, % RPD for Blanks, Blank Spikes and Matrix Spikes, etc.

" *** " Used to indicate a possible discrepancy with the Sample and Sample Duplicate results when the %RPD is not available. In this case, either the Sample or the Sample Duplicate has a reportable result for this analyte, while the other is Non Detect (ND).

Blanks:

Standard practice is to evaluate the results from Blank QC Samples down to a level equal to ½ the Reporting Limit (RL).
-For Blank hits falling between ½ the RL and the RL (J flagged hits), the associated sample and QC data will receive a 'B-02' qualifier.
-For Blank hits above the RL, the associated sample and QC data will receive a 'B' qualifier, per Apex Laboratories' Blank Policy.
For further details, please request a copy of this document.

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REPORTING NOTES AND CONVENTIONS (Cont.):

Blanks (Cont.):

Sample results flagged with a 'B' or 'B-02' qualifier are potentially biased high if the sample results are less than ten times the level found in the blank for inorganic analyses, or less than five times the level found in the blank for organic analyses.

'B' and 'B-02' qualifications are only applied to sample results detected above the Reporting Level.

Preparation Notes:

Mixed Matrix Samples:

Water Samples:

Water samples containing significant amounts of sediment are decanted or separated prior to extraction, and only the water portion analyzed, unless otherwise directed by the client.

Soil and Sediment Samples:

Soil and Sediment samples containing significant amounts of water are decanted prior to extraction, and only the solid portion analyzed, unless otherwise directed by the client.

Sampling and Preservation Notes:

Certain regulatory programs, such as National Pollutant Discharge Elimination System (NPDES), require that activities such as sample filtration (for dissolved metals, orthophosphate, hexavalent chromium, etc.) and testing of short hold analytes (pH, Dissolved Oxygen, etc.) be performed in the field (on-site) within a short time window. In addition, sample matrix spikes are required for some analyses, and sufficient volume must be provided, and billable site specific QC requested, if this is required. All regulatory permits should be reviewed to ensure that these requirements are being met.

Data users should be aware of which regulations pertain to the samples they submit for testing. If related sample collection activities are not approved for a particular regulatory program, results should be considered estimates. Apex Laboratories will qualify these analytes according to the most stringent requirements, however results for samples that are for non-regulatory purposes may be acceptable.

Samples that have been filtered and preserved at Apex Laboratories per client request are listed in the preparation section of the report with the date and time of filtration listed.

Apex Laboratories maintains detailed records on sample receipt, including client label verification, cooler temperature, sample preservation, hold time compliance and field filtration. Data is qualified as necessary, and the lack of qualification indicates compliance with required parameters.

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6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

LABORATORY ACCREDITATION INFORMATION

ORELAP Certification ID: OR100062 (Primary Accreditation) - EPA ID: OR01039

All methods and analytes reported from work performed at Apex Laboratories are included on Apex Laboratories' ORELAP Scope of Certification, with the exception of any analyte(s) listed below:

Apex Laboratories

Matrix	Analysis	TNI_ID	Analyte	TNI_ID	Accreditation

All reported analytes are included in Apex Laboratories' current ORELAP scope.

Secondary Accreditations

Apex Laboratories also maintains reciprocal accreditation with non-TNI states (Washington DOE), as well as other state specific accreditations not listed here.

Subcontract Laboratory Accreditations

Subcontracted data falls outside of Apex Laboratories' Scope of Accreditation.
Please see the Subcontract Laboratory report for full details, or contact your Project Manager for more information.

Field Testing Parameters

Results for Field Tested data are provded by the client or sampler, and fall outside of Apex Laboratories' Scope of Accreditation.

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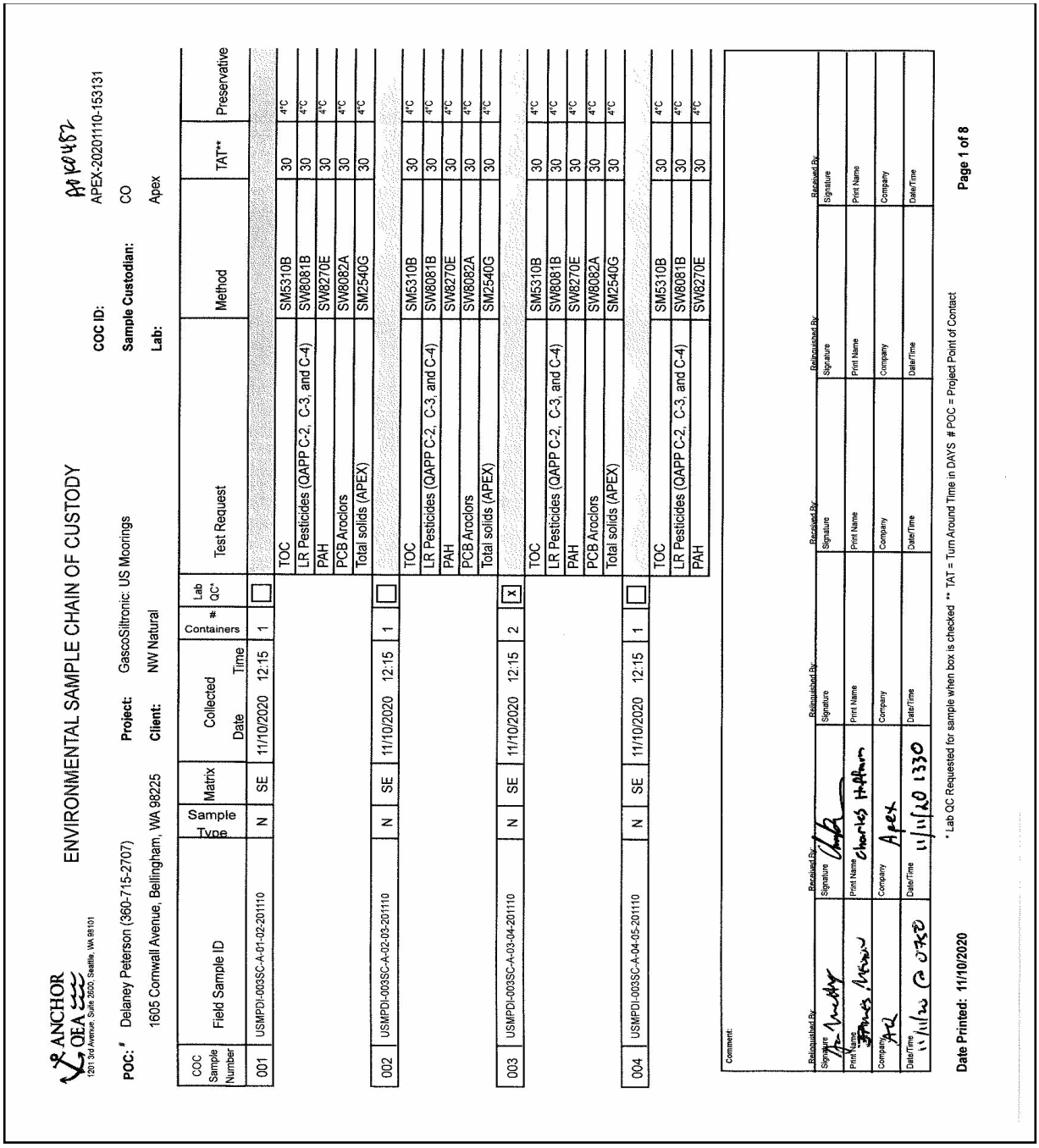

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

ANCHOR QEA
1201 3rd Avenue, Suite 2500, Seattle, WA 98101

COC ID: APEX-20201110-153131

POC: * Delaney Peterson (360-715-2707)
1605 Cornwall Avenue, Bellingham, WA 98225

Project: GascoSiltronic: US Moorings

Client: NW Natural

Sample Custodian: CO

Lab: Apex

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Collected Time	# Containers	Lab QC*	Test Request	Method	TAT**	Preservative
001	USMPDI-003SC-A-01-02-201110	N	SE	11/10/2020	12:15	1	☐	TOC	SM5310B	30	4°C
								LR Pesticides (QAPP C-2, C-3, and C-4)	SW8081B	30	4°C
								PAH	SW8270E	30	4°C
								PCB Aroclors	SW8082A	30	4°C
								Total solids (APEX)	SM2540G	30	4°C
002	USMPDI-003SC-A-02-03-201110	N	SE	11/10/2020	12:15	1	☐	TOC	SM5310B	30	4°C
								LR Pesticides (QAPP C-2, C-3, and C-4)	SW8081B	30	4°C
								PAH	SW8270E	30	4°C
								PCB Aroclors	SW8082A	30	4°C
								Total solids (APEX)	SM2540G	30	4°C
003	USMPDI-003SC-A-03-04-201110	N	SE	11/10/2020	12:15	2	☒	TOC	SM5310B	30	4°C
								LR Pesticides (QAPP C-2, C-3, and C-4)	SW8081B	30	4°C
								PAH	SW8270E	30	4°C
								PCB Aroclors	SW8082A	30	4°C
								Total solids (APEX)	SM2540G	30	4°C
004	USMPDI-003SC-A-04-05-201110	N	SE	11/10/2020	12:15	1	☐	TOC	SM5310B	30	4°C
								LR Pesticides (QAPP C-2, C-3, and C-4)	SW8081B	30	4°C
								PAH	SW8270E	30	4°C

Comment:

Relinquished By	Received By	Relinquished By	Received By	Relinquished By	Received By
Signature	Signature	Signature	Signature	Signature	Signature
Print Name	Print Name	Print Name	Print Name	Print Name	Print Name
Company	Company	Company	Company	Company	Company
Date/Time	Date/Time	Date/Time	Date/Time	Date/Time	Date/Time

* Lab QC Requested for sample when box is checked ** TAT = Turn Around Time in DAYS # POC = Project Point of Contact

Date Printed: 11/10/2020

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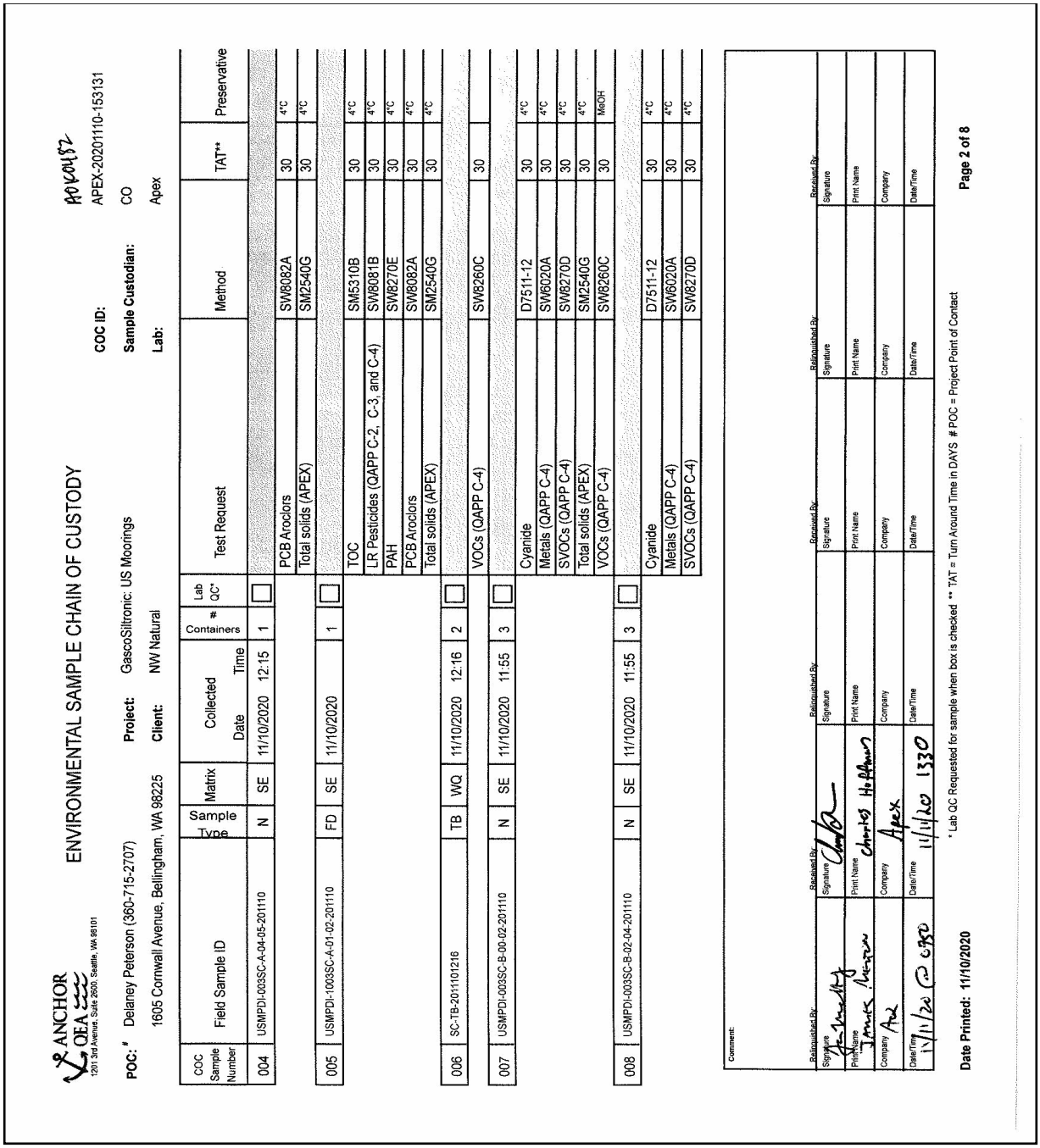
Darwin Thomas, Business Development Director

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**



ANCHOR QEA
1201 3rd Avenue, Suite 2600, Seattle, WA 98101

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

COC ID: APEX-20201110-153131

POC: * Delaney Peterson (360-715-2707)
1605 Cornwall Avenue, Bellingham, WA 98225

Project: GascoSiltronic: US Moorings

Client: NW Natural

Sample Custodian: CO

Lab: Apex

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Collected Time	# Containers	Lab QC*	Test Request	Method	TAT**	Preservative
004	USMPDI-003SC-A-04-05-201110	N	SE	11/10/2020	12:15	1	☐	PCB Aroclors	SW8082A	30	4°C
								Total solids (APEX)	SM2540G	30	4°C
005	USMPDI-1003SC-A-01-02-201110	FD	SE	11/10/2020		1	☐	TOC	SM5310B	30	4°C
								LR Pesticides (QAPP C-2, C-3, and C-4)	SW8081B	30	4°C
								PAH	SW8270E	30	4°C
								PCB Aroclors	SW8082A	30	4°C
								Total solids (APEX)	SM2540G	30	4°C
006	SC-TB-201110216	TB	WQ	11/10/2020	12:16	2	☐	VOCs (QAPP C-4)	SW8260C	30	
007	USMPDI-003SC-B-00-02-201110	N	SE	11/10/2020	11:55	3	☐	Cyanide	D7511-12	30	4°C
								Metals (QAPP C-4)	SW6020A	30	4°C
								SVOCs (QAPP C-4)	SW8270D	30	4°C
								Total solids (APEX)	SM2540G	30	4°C
								VOCs (QAPP C-4)	SW8260C	30	MeOH
008	USMPDI-003SC-B-02-04-201110	N	SE	11/10/2020	11:55	3	☐	Cyanide	D7511-12	30	4°C
								Metals (QAPP C-4)	SW6020A	30	4°C
								SVOCs (QAPP C-4)	SW8270D	30	4°C

Comment:

Relinquished By	Received By	Relinquished By	Received By
Signature	Signature	Signature	Signature
Print Name	Print Name	Print Name	Print Name
Company	Company	Company	Company
Date/Time	Date/Time	Date/Time	Date/Time

Date Printed: 11/10/2020

* Lab QC Requested for sample when box is checked ** TAT = Turn Around Time in DAYS # POC = Project Point of Contact

Page 2 of 8

Apex Laboratories

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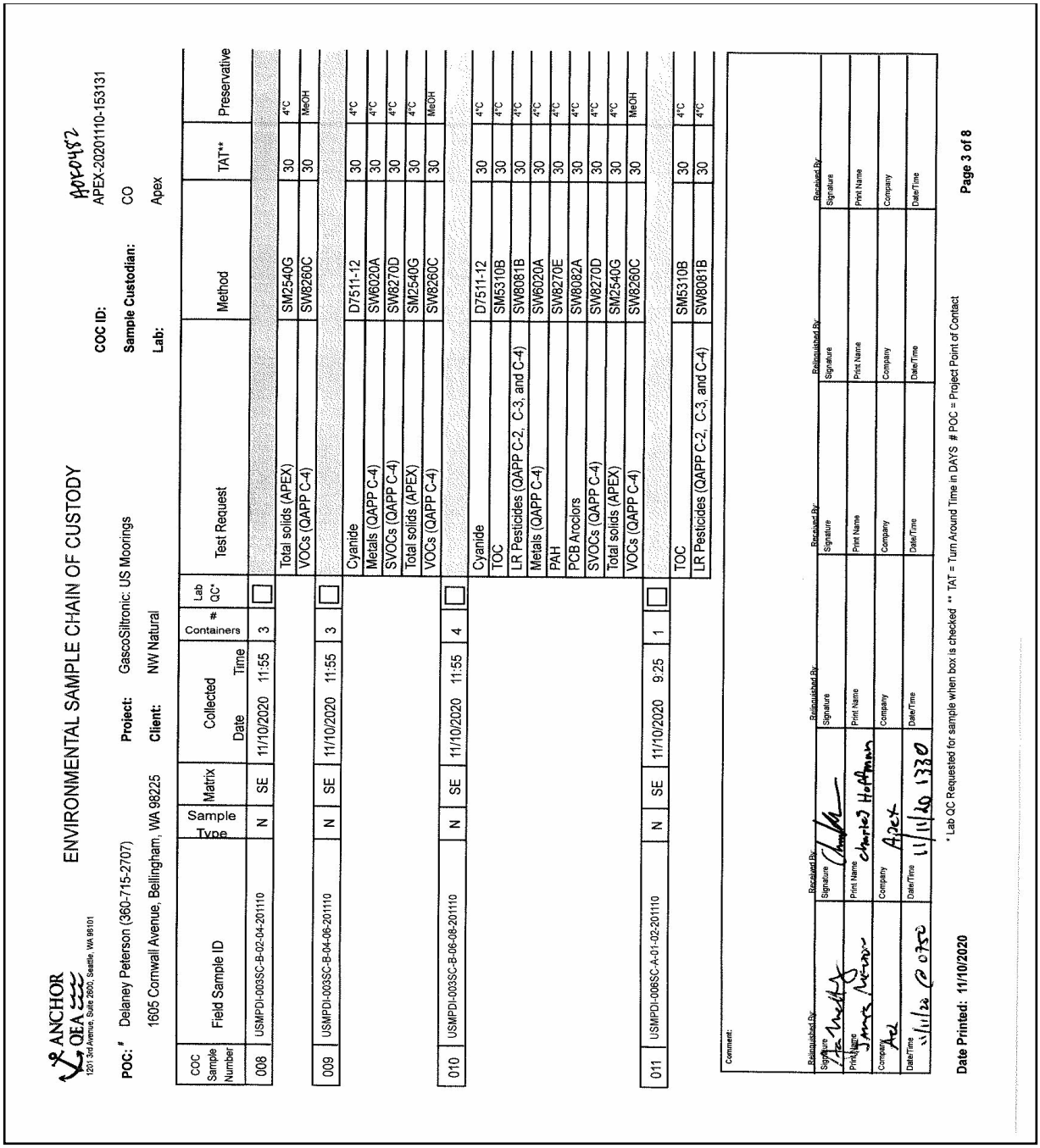
Darwin Thomas, Business Development Director

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**



ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

ANCHOR QEA
1201 3rd Avenue, Suite 2600, Seattle, WA 98101

A0K0482

COC ID: APEX-20201110-153131

POC: Delaney Peterson (360-715-2707)
1605 Cornwall Avenue, Bellingham, WA 98225

Project: GascoSiltronic: US Moorings
Client: NW Natural

Sample Custodian: CO
Lab: Apex

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Collected Time	# Containers	Lab QC*	Test Request	Method	TAT**	Preservative
008	USMPDI-003SC-B-02-04-201110	N	SE	11/10/2020	11:55	3	☐	Total solids (APEX)	SM2540G	30	4°C
								VOCs (QAPP C-4)	SW8260C	30	MeOH
009	USMPDI-003SC-B-04-06-201110	N	SE	11/10/2020	11:55	3	☐	Cyanide	D7511-12	30	4°C
								Metals (QAPP C-4)	SW6020A	30	4°C
								SVOCs (QAPP C-4)	SW8270D	30	4°C
								Total solids (APEX)	SM2540G	30	4°C
								VOCs (QAPP C-4)	SW8260C	30	MeOH
010	USMPDI-003SC-B-06-08-201110	N	SE	11/10/2020	11:55	4	☐	Cyanide	D7511-12	30	4°C
								TOC	SM5310B	30	4°C
								LR Pesticides (QAPP C-2, C-3, and C-4)	SW8081B	30	4°C
								Metals (QAPP C-4)	SW6020A	30	4°C
								PAH	SW8270E	30	4°C
								PCB Aroclors	SW8082A	30	4°C
								SVOCs (QAPP C-4)	SW8270D	30	4°C
								Total solids (APEX)	SM2540G	30	4°C
								VOCs (QAPP C-4)	SW8260C	30	MeOH
011	USMPDI-006SC-A-01-02-201110	N	SE	11/10/2020	9:25	1	☐	TOC	SM5310B	30	4°C
								LR Pesticides (QAPP C-2, C-3, and C-4)	SW8081B	30	4°C

Comment:

Relinquished By: Signature, Print Name, Company, Date/Time — Received By: Signature, Print Name, Company, Date/Time

Relinquished By: Signature, Print Name: Charles Hoffmann, Company: Apex, Date/Time: 11/11/20 1330 — Received By: Signature, Print Name, Company, Date/Time

Relinquished By: Signature, Print Name: James Meyer, Company: Apex, Date/Time: 11/12/20 0750 — Received By: Signature, Print Name, Company, Date/Time

Relinquished By: Signature, Print Name, Company, Date/Time — Received By: Signature, Print Name, Company, Date/Time

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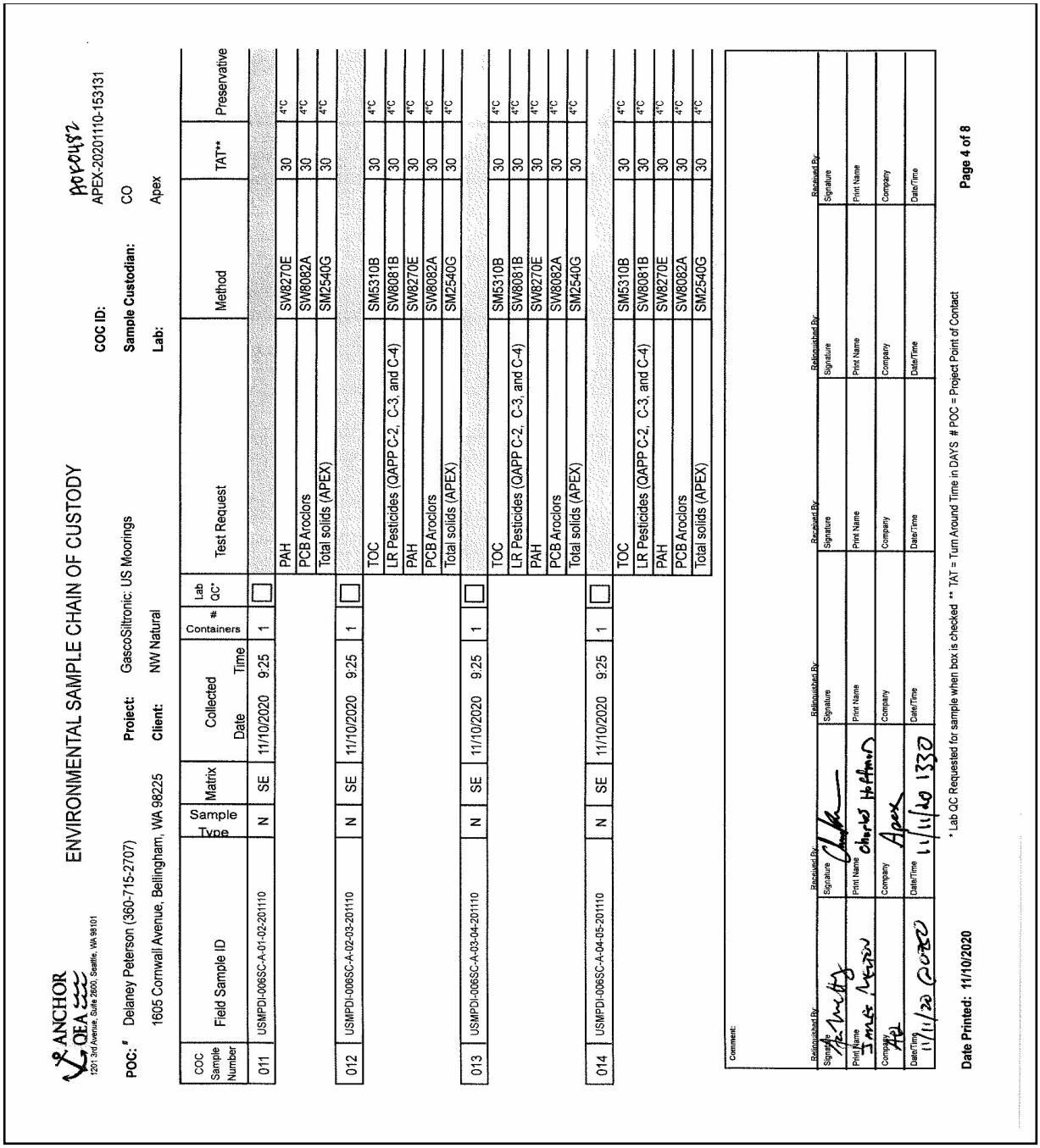
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**



ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

ANCHOR QEA, LLC — 1201 3rd Avenue, Suite 2600, Seattle, WA 98101

POC: Delaney Peterson (360-715-2707) — Project: GascoSiltronic: US Moorings — Client: NW Natural — Lab: Apex

1605 Cornwall Avenue, Bellingham, WA 98225

COC ID: APEX-20201110-153131 — Sample Custodian: CO

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Collected Time	# Containers	Lab QC*	Test Request	Method	TAT**	Preservative
011	USMPDI-006SC-A-01-02-201110	N	SE	11/10/2020	9:25	1	☐	PAH	SW8270E	30	4°C
								PCB Aroclors	SW8082A	30	4°C
								Total solids (APEX)	SM2540G	30	4°C
012	USMPDI-006SC-A-02-03-201110	N	SE	11/10/2020	9:25	1	☐	TOC	SM5310B	30	4°C
								LR Pesticides (QAPP C-2, C-3, and C-4)	SW8081B	30	4°C
								PAH	SW8270E	30	4°C
								PCB Aroclors	SW8082A	30	4°C
								Total solids (APEX)	SM2540G	30	4°C
013	USMPDI-006SC-A-03-04-201110	N	SE	11/10/2020	9:25	1	☐	TOC	SM5310B	30	4°C
								LR Pesticides (QAPP C-2, C-3, and C-4)	SW8081B	30	4°C
								PAH	SW8270E	30	4°C
								PCB Aroclors	SW8082A	30	4°C
								Total solids (APEX)	SM2540G	30	4°C
014	USMPDI-006SC-A-04-05-201110	N	SE	11/10/2020	9:25	1	☐	TOC	SM5310B	30	4°C
								LR Pesticides (QAPP C-2, C-3, and C-4)	SW8081B	30	4°C
								PAH	SW8270E	30	4°C
								PCB Aroclors	SW8082A	30	4°C
								Total solids (APEX)	SM2540G	30	4°C

Comment:

Relinquished By	Received By	Relinquished By	Received By
Signature	Signature	Signature	Signature
Print Name	Print Name	Print Name	Print Name
Company	Company	Company	Company
Date/Time	Date/Time	Date/Time	Date/Time

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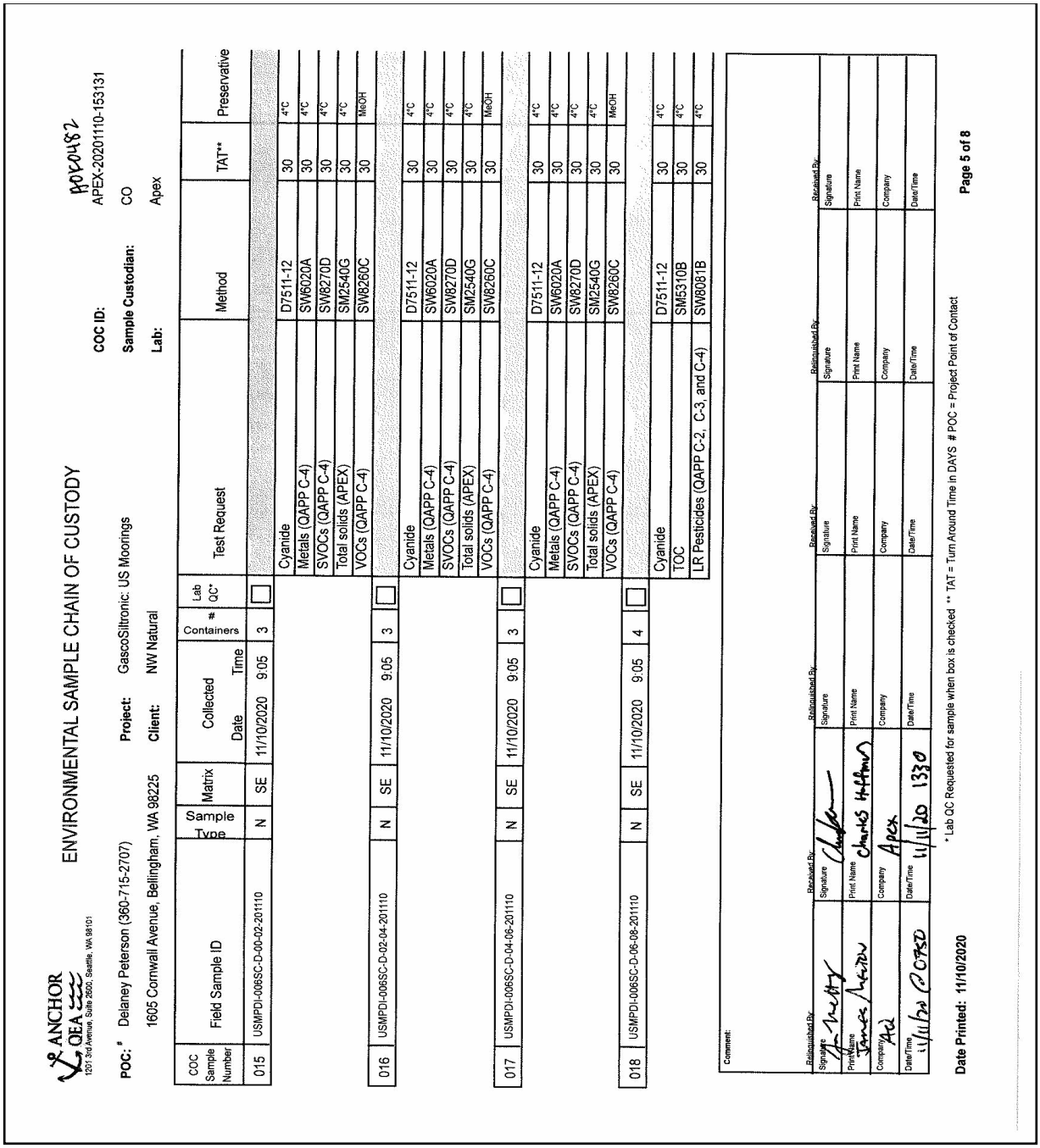
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**



ANCHOR QEA
1201 3rd Avenue, Suite 2600, Seattle, WA 98101

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

COC ID: APEX-20201110-153131

POC: # Delaney Peterson (360-715-2707)
1605 Cornwall Avenue, Bellingham, WA 98225

Project: GascoSiltronic: US Moorings
Client: NW Natural

Sample Custodian: CO
Lab: Apex

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Collected Time	# Containers	Lab QC*	Test Request	Method	TAT**	Preservative
015	USMPDI-006SC-D-00-02-201110	N	SE	11/10/2020	9:05	3	☐	Cyanide	D7511-12	30	4°C
								Metals (QAPP C-4)	SW6020A	30	4°C
								SVOCs (QAPP C-4)	SW8270D	30	4°C
								Total solids (APEX)	SM2540G	30	4°C
								VOCs (QAPP C-4)	SW8260C	30	MeOH
016	USMPDI-006SC-D-02-04-201110	N	SE	11/10/2020	9:05	3	☐	Cyanide	D7511-12	30	4°C
								Metals (QAPP C-4)	SW6020A	30	4°C
								SVOCs (QAPP C-4)	SW8270D	30	4°C
								Total solids (APEX)	SM2540G	30	4°C
								VOCs (QAPP C-4)	SW8260C	30	MeOH
017	USMPDI-006SC-D-04-06-201110	N	SE	11/10/2020	9:05	3	☐	Cyanide	D7511-12	30	4°C
								Metals (QAPP C-4)	SW6020A	30	4°C
								SVOCs (QAPP C-4)	SW8270D	30	4°C
								Total solids (APEX)	SM2540G	30	4°C
								VOCs (QAPP C-4)	SW8260C	30	MeOH
018	USMPDI-006SC-D-06-08-201110	N	SE	11/10/2020	9:05	4	☐	Cyanide	D7511-12	30	4°C
								TOC	SM5310B	30	4°C
								LR Pesticides (QAPP C-2, C-3, and C-4)	SW8081B	30	4°C

Comment:

Relinquished By: Signature / Print Name / Company / Date/Time
Received By: Signature / Print Name / Company / Date/Time
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Apex Laboratories

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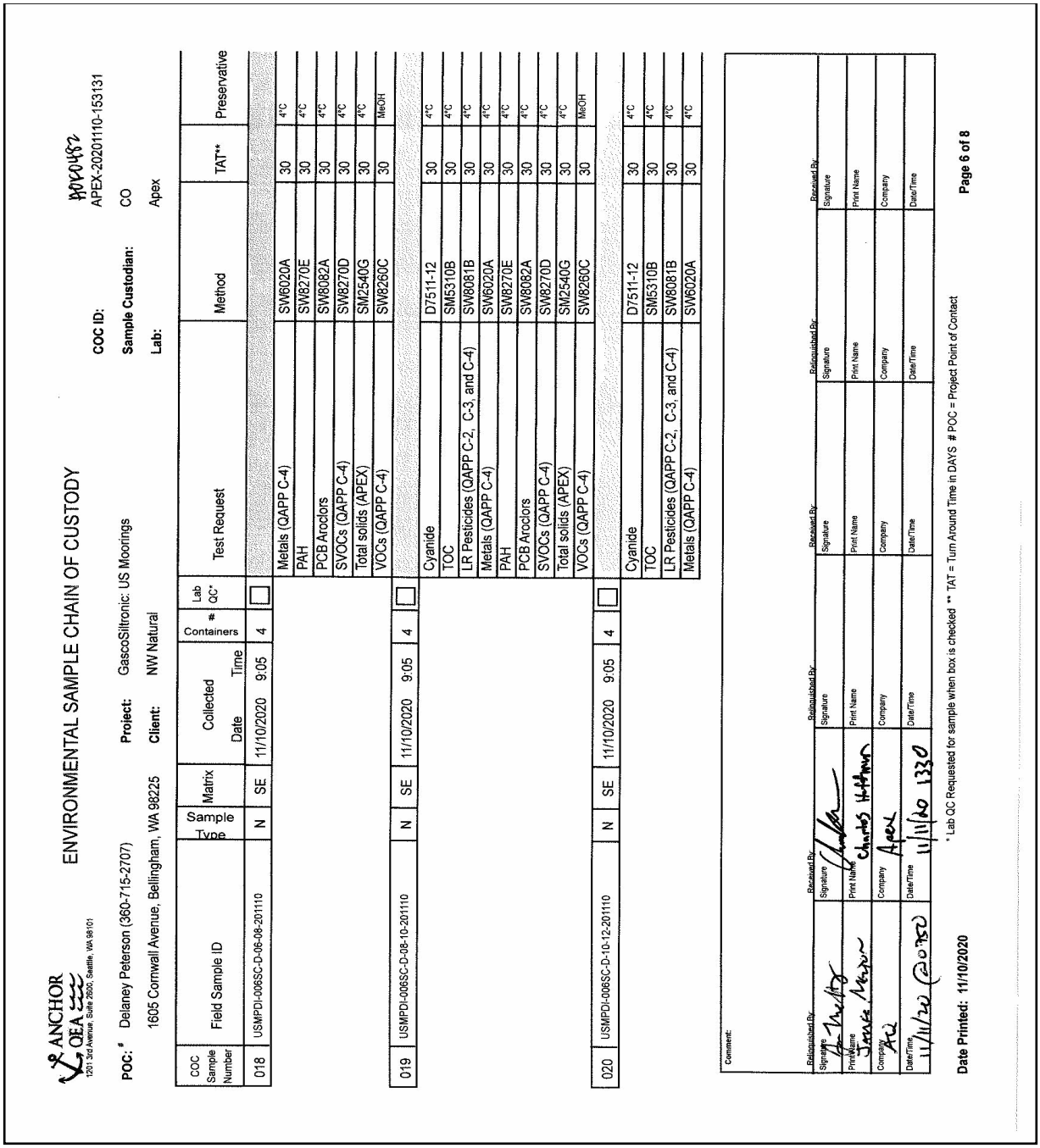
Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**



ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

ANCHOR QEA, LLC — 1201 3rd Avenue, Suite 2600, Seattle, WA 98101

COC ID: APEX-20201110-153131

POC: Delaney Peterson (360-715-2707) — Project: GascoSiltronic: US Moorings — Sample Custodian: CO

1605 Cornwall Avenue, Bellingham, WA 98225 — Client: NW Natural — Lab: Apex

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Collected Time	# Containers	Lab QC*	Test Request	Method	TAT**	Preservative
018	USMPDI-006SC-D-06-08-201110	N	SE	11/10/2020	9:05	4	☐	Metals (QAPP C-4)	SW6020A	30	4°C
								PAH	SW8270E	30	4°C
								PCB Aroclors	SW8082A	30	4°C
								SVOCs (QAPP C-4)	SW8270D	30	4°C
								Total solids (APEX)	SM2540G	30	4°C
								VOCs (QAPP C-4)	SW8260C	30	MeOH
019	USMPDI-006SC-D-08-10-201110	N	SE	11/10/2020	9:05	4	☐	Cyanide	D7511-12	30	4°C
								TOC	SM5310B	30	4°C
								LR Pesticides (QAPP C-2, C-3, and C-4)	SW8081B	30	4°C
								Metals (QAPP C-4)	SW6020A	30	4°C
								PAH	SW8270E	30	4°C
								PCB Aroclors	SW8082A	30	4°C
								SVOCs (QAPP C-4)	SW8270D	30	4°C
								Total solids (APEX)	SM2540G	30	4°C
								VOCs (QAPP C-4)	SW8260C	30	MeOH
020	USMPDI-006SC-D-10-12-201110	N	SE	11/10/2020	9:05	4	☐	Cyanide	D7511-12	30	4°C
								TOC	SM5310B	30	4°C
								LR Pesticides (QAPP C-2, C-3, and C-4)	SW8081B	30	4°C
								Metals (QAPP C-4)	SW6020A	30	4°C

Comment:

Relinquished By: Signature / Print Name / Company / Date/Time — Received By: Signature / Print Name / Company / Date/Time

Relinquished By: Signature / Print Name / Company / Date/Time — Received By: Signature / Print Name / Company / Date/Time

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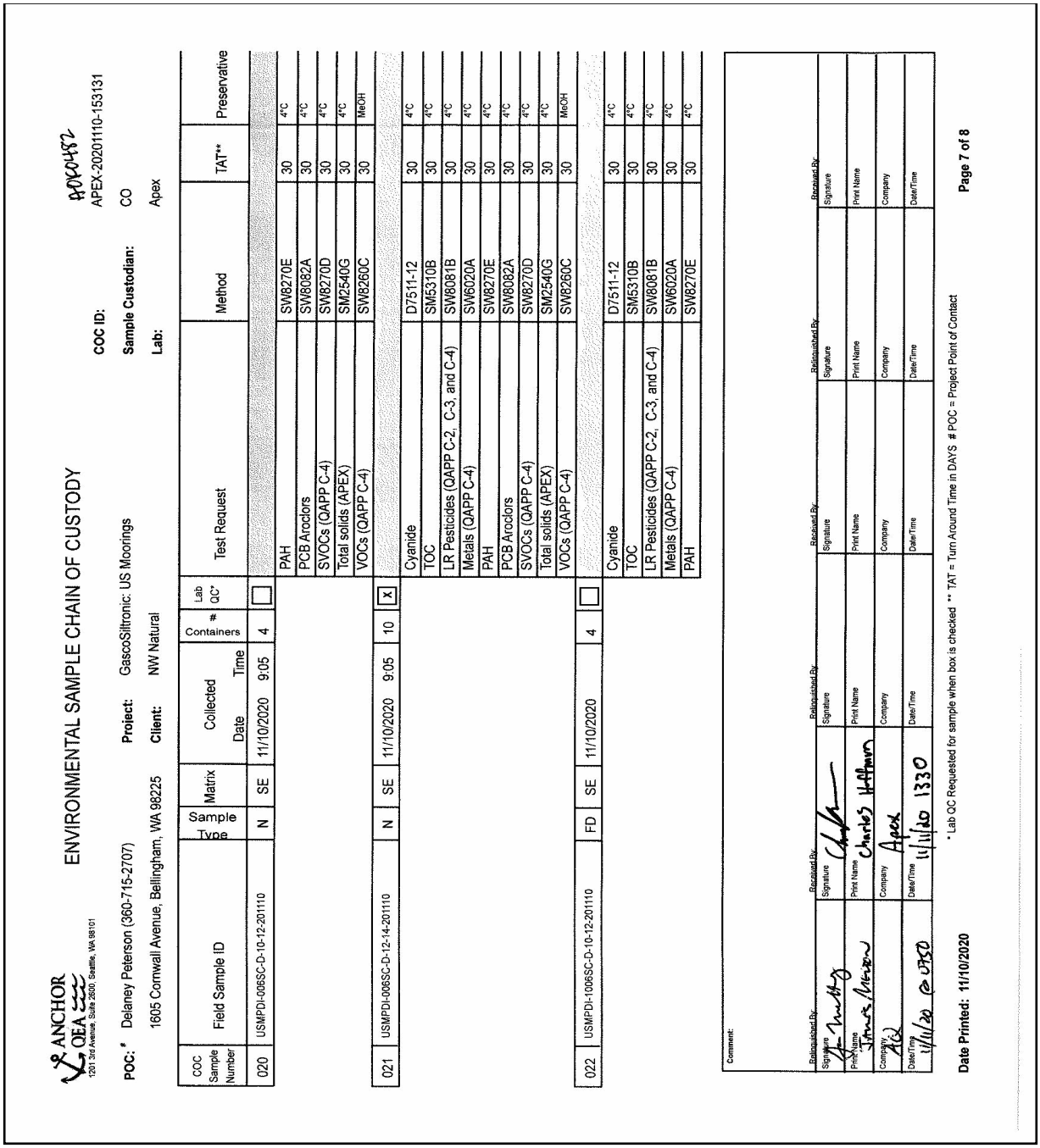
ORELAP ID: **OR100062**

Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**



ANCHOR QEA
1201 3rd Avenue, Suite 2600, Seattle, WA 98101

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

A0K0482

COC ID: APEX-20201110-153131

POC: * Delaney Peterson (360-715-2707)
1605 Cornwall Avenue, Bellingham, WA 98225

Project: GascoSiltronic: US Moorings

Client: NW Natural

Sample Custodian: CO

Lab: Apex

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Collected Time	# Containers	Lab QC*	Test Request	Method	TAT**	Preservative
020	USMPDI-006SC-D-10-12-201110	N	SE	11/10/2020	9:05	4	☐	PAH	SW8270E	30	4°C
								PCB Aroclors	SW8082A	30	4°C
								SVOCs (QAPP C-4)	SW8270D	30	4°C
								Total solids (APEX)	SM2540G	30	4°C
								VOCs (QAPP C-4)	SW8260C	30	MeOH
021	USMPDI-006SC-D-12-14-201110	N	SE	11/10/2020	9:05	10	☒	Cyanide	D7511-12	30	4°C
								TOC	SM5310B	30	4°C
								LR Pesticides (QAPP C-2, C-3, and C-4)	SW8081B	30	4°C
								Metals (QAPP C-4)	SW6020A	30	4°C
								PAH	SW8270E	30	4°C
								PCB Aroclors	SW8082A	30	4°C
								SVOCs (QAPP C-4)	SW8270D	30	4°C
								Total solids (APEX)	SM2540G	30	4°C
								VOCs (QAPP C-4)	SW8260C	30	MeOH
022	USMPDI-1006SC-D-10-12-201110	FD	SE	11/10/2020		4	☐	Cyanide	D7511-12	30	4°C
								TOC	SM5310B	30	4°C
								LR Pesticides (QAPP C-2, C-3, and C-4)	SW8081B	30	4°C
								Metals (QAPP C-4)	SW6020A	30	4°C
								PAH	SW8270E	30	4°C

Comment:

Relinquished By	Received By	Relinquished By	Received By	Relinquished By	Received By
Signature	Signature	Signature	Signature	Signature	Signature
Print Name	Print Name Charles Hoffman	Print Name	Print Name	Print Name	Print Name
Company AQ	Company Apex	Company	Company	Company	Company
Date/Time	Date/Time 11/11/20 1330	Date/Time	Date/Time	Date/Time	Date/Time

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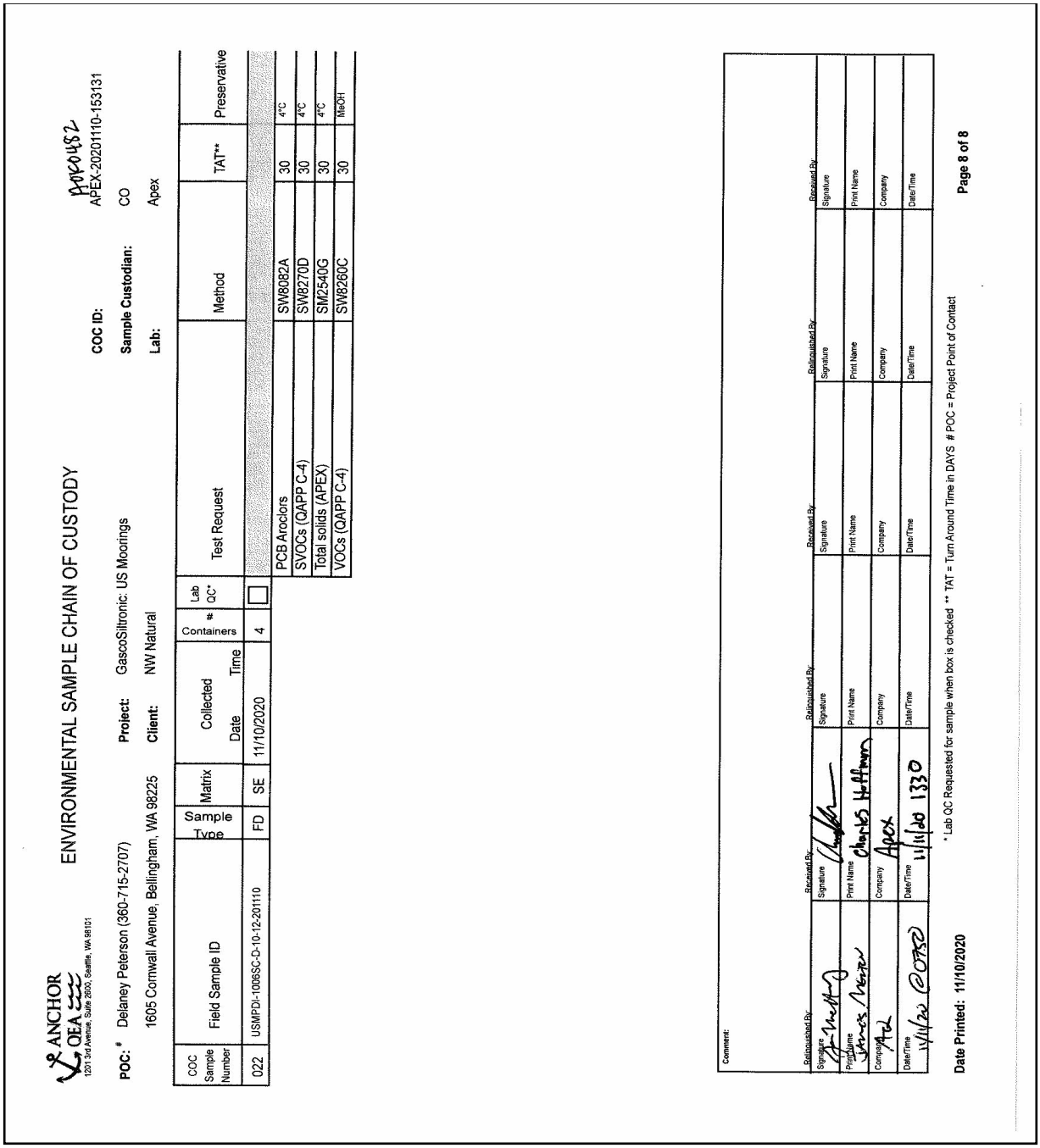
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**



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1201 3rd Avenue, Suite 2600, Seattle, WA 98101

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COC ID: APEX-20201110-153131

POC: * Delaney Peterson (360-715-2707)
1605 Cornwall Avenue, Bellingham, WA 98225

Project: GascoSiltronic: US Moorings

Client: NW Natural

Sample Custodian: CO

Lab: Apex

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Collected Time	# Containers	Lab QC*	Test Request	Method	TAT**	Preservative
022	USMPDI-1006SC-D-10-12-201110	FD	SE	11/10/2020		4	☐	PCB Aroclors	SW8082A	30	4°C
								SVOCs (QAPP C-4)	SW8270D	30	4°C
								Total solids (APEX)	SM2540G	30	4°C
								VOCs (QAPP C-4)	SW8260C	30	MeOH

Comment:

Relinquished By: Signature / Print Name: Charles Hoffman / Company: Apex / Date/Time: 11/11/20 1330

Received By: Signature / Print Name / Company / Date/Time

Relinquished By: Signature / Print Name / Company / Date/Time

Received By: Signature / Print Name / Company / Date/Time

Relinquished By: Signature / Print Name / Company / Date/Time

Received By: Signature / Print Name / Company / Date/Time

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503-718-2323
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Anchor QEA, LLC	Project: **US Moorings -- C2, C3, C4**	
6720 SW Macadam Ave. Suite 125	Project Number: **[none]**	**Report ID:**
Portland, OR 97219	Project Manager: **Delaney Peterson**	**A0K0482 - 01 25 21 1240**

APEX LABS COOLER RECEIPT FORM

Client: Anchor QEA Element WO#: A0K0482

Project/Project #: Gascos; Itronic: US Moorings

Delivery Info:

Date/time received: 11/11/20 @ 1330 By: CFH

Delivered by: Apex X Client ___ ESS ___ FedEx ___ UPS ___ Swift ___ Senvoy ___ SDS ___ Other ___

Cooler Inspection Date/time inspected: 11/11/20 @ 1425 By: CFH

Chain of Custody included? Yes X No ___ Custody seals? Yes X No ___

Signed/dated by client? Yes X No ___

Signed/dated by Apex? Yes X No ___

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (°C)	4.6	1.0	0.1				
Received on ice? (Y/N)	Y	Y	Y				
Temp. blanks? (Y/N)	Y	Y	Y				
Ice type: (Gel/Real/Other)	Real	Real	Real				
Condition:	Good	Good	Good				

Cooler out of temp? (Y/N) Possible reason why: ___

If some coolers are in temp and some out, were green dots applied to out of temperature samples? Yes/No/NA

Out of temperature samples form initiated? Yes/No/NA

Samples Inspection: Date/time inspected: 11/12/20 @ 1527 By: AKK

All samples intact? Yes X No ___ Comments: ___

Bottle labels/COCs agree? Yes X No ___ Comments: USMPDI-1003SC-A-01-02-201110 no T on COC, T on Cont. reads 1215. TB #2468. USMPDI-1002SC-D-10-12-201110

COC/container discrepancies form initiated? Yes ___ No X

Containers/volumes received appropriate for analysis? Yes X No ___ Comments: ___

Do VOA vials have visible headspace? Yes ___ No X NA ___

Comments ___

Water samples: pH checked: Yes ___ No ___ NA X pH appropriate? Yes ___ No ___ NA X

Comments: ___

Additional information: no T on COC, T on Cont reads 0905. acc 11/12/20

Labeled by: AKK Witness: KJ Cooler Inspected by: AKK See Project Contact Form: Y

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Darwin Thomas, Business Development Director

Sample Receipt Documentation
(Work orders, Chain of Custody & Cooler Receipt Forms)

A0K0482

Apex Laboratories

Client:	**Anchor QEA, LLC**	**Project Manager:**	**Darwin Thomas**
Project:	**US Moorings -- C2, C3, C4**	**Project Number:**	**[none]**

Report To:

Anchor QEA, LLC
Delaney Peterson
6720 SW Macadam Ave. Suite 125
Portland, OR 97219
Phone: (360) 733-4311
Fax: na

Invoice To:

Anchor QEA, LLC
Delaney Peterson
6720 SW Macadam Ave. Suite 125
Portland, OR 97219
Phone :(360) 733-4311
Fax: na

Date Due:	11/25/20 17:00 (10 day TAT)		
Received By:	Charles Hoffman	Date Received:	11/11/20 13:30
Logged In By:	Anissa Kepa	Date Logged In:	11/12/20 15:32

Cooler #1 received at 4.6°C

Custody Seals	Yes	Containers Intact	Yes	COC/Labels Agree	Yes	PH Confirmed	No	Received On Ice	Yes
Temperature OK	Yes								

Cooler #2 received at 1.0°C

Custody Seals	Yes	Containers Intact	Yes	COC/Labels Agree	Yes	PH Confirmed	No	Received On Ice	Yes
Temperature OK	Yes								

Cooler #3 received at 0.1°C

Custody Seals	Yes	Containers Intact	Yes	COC/Labels Agree	Yes	PH Confirmed	No	Received On Ice	Yes
Temperature OK	Yes								

Analysis	Due	TAT	Expires	Comments
A0K0482-01 USMPDI-003SC-A-01-02-201110 [Sediment] Sampled 11/10/20 12:15 (GMT-08:00) Pacific Time (US & Canada) 1 Containers				
Dry Weight				
Dry Weight	11/16/20 17:00	3	05/09/21 12:15	use TS data, make non-reportable
Project Mgmt				
Data Package	02/12/21 17:00	10	02/17/21 12:15	
Sample Control				
Archive Samples - Frozen	11/12/20 17:00	1	11/11/20 12:15	
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	01/14/21 17:00	10	11/24/20 12:15	
8082 PCBs - Low Level (2mL FV) +1262/68	01/14/21 17:00	10	11/10/21 12:15	
Semivols (Scan)				
8270E LL PAH/PCP Only (Scan)	01/14/21 17:00	10	11/24/20 12:15	PAH only
Wet Chem				
Solids, Total (SM 2540 G,B)	11/24/20 17:00	10	05/09/21 12:15	enter TS data in dry wt
Total Organic Carbon - Sediment (PSEP/BC)	01/14/21 17:00	10	11/24/20 12:15	

A0K0482

Apex Laboratories

Client:	**Anchor QEA, LLC**	**Project Manager:**	**Darwin Thomas**
Project:	**US Moorings -- C2, C3, C4**	**Project Number:**	**[none]**

Analysis	Due	TAT	Expires	Comments
Analysis	**Due**	**TAT**	**Expires**	**Comments**

A0K0482-02 USMPDI-003SC-A-02-03-201110 [Sediment] Sampled
11/10/20 12:15 (GMT-08:00) Pacific Time (US & Canada) 1 Containers

Dry Weight

Dry Weight	11/16/20 17:00	3	05/09/21 12:15	use TS data, make non-reportable

Sample Control

Archive Samples - Frozen	11/12/20 17:00	1	11/11/20 12:15	

Semivols (ECD)

8081B 2,4+4,4-DDx Only (+Add)	01/14/21 17:00	10	11/24/20 12:15	
8082 PCBs - Low Level (2mL FV) +1262/68	01/14/21 17:00	10	11/10/21 12:15	

Semivols (Scan)

8270E LL PAH/PCP Only (Scan)	01/14/21 17:00	10	11/24/20 12:15	PAH only

Wet Chem

Solids, Total (SM 2540 G,B)	11/24/20 17:00	10	05/09/21 12:15	enter TS data in dry wt
Total Organic Carbon - Sediment (PSEP/BC)	01/14/21 17:00	10	11/24/20 12:15	

A0K0482-03 USMPDI-003SC-A-03-04-201110 [Sediment] Sampled
11/10/20 12:15 (GMT-08:00) Pacific Time (US & Canada) 2 Containers

Dry Weight

Dry Weight	11/16/20 17:00	3	05/09/21 12:15	use TS data, make non-reportable

Sample Control

Archive Samples - Frozen	11/12/20 17:00	1	11/11/20 12:15	

Semivols (ECD)

8081B 2,4+4,4-DDx Only (+Add)	01/14/21 17:00	10	11/24/20 12:15	MS/MSD
8082 PCBs - Low Level (2mL FV) +1262/68	01/14/21 17:00	10	11/10/21 12:15	MS/MSD

Semivols (Scan)

8270E LL PAH/PCP Only (Scan)	01/14/21 17:00	10	11/24/20 12:15	MS/MSD. PAH only

Wet Chem

Solids, Total (SM 2540 G,B)	11/24/20 17:00	10	05/09/21 12:15	enter TS data in dry wt
Total Organic Carbon - Sediment (PSEP/BC)	01/14/21 17:00	10	11/24/20 12:15	DUP

A0K0482

Apex Laboratories

Client:	**Anchor QEA, LLC**	**Project Manager:**	**Darwin Thomas**
Project:	**US Moorings -- C2, C3, C4**	**Project Number:**	**[none]**

Analysis	Due	TAT	Expires	Comments
Analysis	**Due**	**TAT**	**Expires**	**Comments**

A0K0482-04 USMPDI-003SC-A-04-05-201110 [Sediment] Sampled 11/10/20 12:15 (GMT-08:00) Pacific Time (US & Canada) 1 Containers

Dry Weight

Dry Weight	11/16/20 17:00	3	05/09/21 12:15	use TS data, make non-reportable

Sample Control

Archive Samples - Frozen	11/12/20 17:00	1	11/11/20 12:15	

Semivols (ECD)

8081B 2,4+4,4-DDx Only (+Add)	01/14/21 17:00	10	11/24/20 12:15	
8082 PCBs - Low Level (2mL FV) +1262/68	01/14/21 17:00	10	11/10/21 12:15	

Semivols (Scan)

8270E LL PAH/PCP Only (Scan)	01/14/21 17:00	10	11/24/20 12:15	PAH only

Wet Chem

Solids, Total (SM 2540 G,B)	11/24/20 17:00	10	05/09/21 12:15	enter TS data in dry wt
Total Organic Carbon - Sediment (PSEP/BC)	01/14/21 17:00	10	11/24/20 12:15	

A0K0482-05 USMPDI-1003SC-A-01-02-201110 [Sediment] Sampled 11/10/20 12:15 (GMT-08:00) Pacific Time (US & Canada) 1 Containers

No T on CoC, T on Cont. reads 1215.

Dry Weight

Dry Weight	11/16/20 17:00	3	05/09/21 12:15	use TS data, make non-reportable

Sample Control

Archive Samples - Frozen	11/12/20 17:00	1	11/11/20 12:15	

Semivols (ECD)

8081B 2,4+4,4-DDx Only (+Add)	01/14/21 17:00	10	11/24/20 12:15	
8082 PCBs - Low Level (2mL FV) +1262/68	01/14/21 17:00	10	11/10/21 12:15	

Semivols (Scan)

8270E LL PAH/PCP Only (Scan)	01/14/21 17:00	10	11/24/20 12:15	PAH only

Wet Chem

Solids, Total (SM 2540 G,B)	11/24/20 17:00	10	05/09/21 12:15	enter TS data in dry wt
Total Organic Carbon - Sediment (PSEP/BC)	01/14/21 17:00	10	11/24/20 12:15	

A0K0482-06 SC-TB-2011101216 [Water] Sampled 11/10/20 12:16 (GMT-08:00) Pacific Time (US & Canada) 2 Containers

#2468.

Volatiles

8260D BTEX+Halo6	11/24/20 17:00	10	11/24/20 12:16	

A0K0482

Apex Laboratories

Client:	**Anchor QEA, LLC**	**Project Manager:**	**Darwin Thomas**
Project:	**US Moorings -- C2, C3, C4**	**Project Number:**	**[none]**

Analysis	Due	TAT	Expires	Comments
Analysis	**Due**	**TAT**	**Expires**	**Comments**

A0K0482-07 USMPDI-003SC-B-00-02-201110 [Sediment] Sampled 11/10/20 11:55 (GMT-08:00) Pacific Time (US & Canada) 4 Containers

Dry Weight

Dry Weight	11/16/20 17:00	3	05/09/21 11:55	use TS data, make non-reportable

Metals

Metals, Select 1	11/24/20 17:00	10	05/09/21 11:55	sediment

Sample Control

Archive Samples - Frozen	11/12/20 17:00	1	11/11/20 11:55	
Sample Subsampling	11/12/20 17:00	1	02/17/21 11:55	Subsampled from A to D Cont.

Semivols (Scan)

8270E LL PAH/PCP Only (Scan)	01/14/21 17:00	10	11/24/20 11:55	PCP only

Volatiles

8260D BTEX+Halo6	11/24/20 17:00	10	11/12/20 11:55	

Wet Chem

Cyanide, Total (ASTM D7511, OIA)	11/24/20 17:00	10	11/24/20 11:55	
Solids, Total (SM 2540 G,B)	11/24/20 17:00	10	05/09/21 11:55	enter TS data in dry wt

A0K0482-08 USMPDI-003SC-B-02-04-201110 [Sediment] Sampled 11/10/20 11:55 (GMT-08:00) Pacific Time (US & Canada) 4 Containers

Dry Weight

Dry Weight	11/16/20 17:00	3	05/09/21 11:55	use TS data, make non-reportable

Metals

Metals, Select 1	11/24/20 17:00	10	05/09/21 11:55	sediment

Sample Control

Archive Samples - Frozen	11/12/20 17:00	1	11/11/20 11:55	
Sample Subsampling	11/12/20 17:00	1	02/17/21 11:55	Subsampled from A to D Cont.

Semivols (Scan)

8270E LL PAH/PCP Only (Scan)	01/14/21 17:00	10	11/24/20 11:55	PCP only

Volatiles

8260D BTEX+Halo6	11/24/20 17:00	10	11/12/20 11:55	

Wet Chem

Cyanide, Total (ASTM D7511, OIA)	11/24/20 17:00	10	11/24/20 11:55	
Solids, Total (SM 2540 G,B)	11/24/20 17:00	10	05/09/21 11:55	enter TS data in dry wt

A0K0482

Apex Laboratories

Client:	**Anchor QEA, LLC**	**Project Manager:**	**Darwin Thomas**
Project:	**US Moorings -- C2, C3, C4**	**Project Number:**	**[none]**

Analysis	Due	TAT	Expires	Comments
Analysis	**Due**	**TAT**	**Expires**	**Comments**

A0K0482-09 USMPDI-003SC-B-04-06-201110 [Sediment] Sampled 11/10/20 11:55 (GMT-08:00) Pacific Time (US & Canada) 4 Containers

Dry Weight

Dry Weight	11/16/20 17:00	3	05/09/21 11:55	use TS data, make non-reportable

Metals

Metals, Select 1	11/24/20 17:00	10	05/09/21 11:55	sediment

Sample Control

Archive Samples - Frozen	11/12/20 17:00	1	11/11/20 11:55	
Sample Subsampling	11/12/20 17:00	1	02/17/21 11:55	Subsampled from A to D Cont.

Semivols (Scan)

8270E LL PAH/PCP Only (Scan)	01/14/21 17:00	10	11/24/20 11:55	PCP only

Volatiles

8260D BTEX+Halo6	11/24/20 17:00	10	11/12/20 11:55	

Wet Chem

Cyanide, Total (ASTM D7511, OIA)	11/24/20 17:00	10	11/24/20 11:55	
Solids, Total (SM 2540 G,B)	11/24/20 17:00	10	05/09/21 11:55	enter TS data in dry wt

A0K0482-10 USMPDI-003SC-B-06-08-201110 [Sediment] Sampled 11/10/20 11:55 (GMT-08:00) Pacific Time (US & Canada) 5 Containers

Dry Weight

Dry Weight	11/16/20 17:00	3	05/09/21 11:55	use TS data, make non-reportable

Metals

Metals, Select 1	11/24/20 17:00	10	05/09/21 11:55	sediment

Sample Control

Archive Samples - Frozen	11/12/20 17:00	1	11/11/20 11:55	
Sample Subsampling	11/12/20 17:00	1	02/17/21 11:55	Subsampled from A to E Cont.

Semivols (ECD)

8081B 2,4+4,4-DDx Only (+Add)	01/14/21 17:00	10	11/24/20 11:55	
8082 PCBs - Low Level (2mL FV) +1262/68	01/14/21 17:00	10	11/10/21 11:55	

Semivols (Scan)

8270E LL PAH/PCP Only (Scan)	01/14/21 17:00	10	11/24/20 11:55	

Volatiles

8260D BTEX+Halo6	11/24/20 17:00	10	11/12/20 11:55	

Wet Chem

Cyanide, Total (ASTM D7511, OIA)	11/24/20 17:00	10	11/24/20 11:55	
Solids, Total (SM 2540 G,B)	11/24/20 17:00	10	05/09/21 11:55	enter TS data in dry wt
Total Organic Carbon - Sediment (PSEP/BC)	01/14/21 17:00	10	11/24/20 11:55	

A0K0482

Apex Laboratories

Client:	**Anchor QEA, LLC**	**Project Manager:**	**Darwin Thomas**
Project:	**US Moorings -- C2, C3, C4**	**Project Number:**	**[none]**

Analysis	Due	TAT	Expires	Comments
Analysis	**Due**	**TAT**	**Expires**	**Comments**

A0K0482-11 USMPDI-006SC-A-01-02-201110 [Sediment] Sampled
11/10/20 09:25 (GMT-08:00) Pacific Time (US & Canada) 1 Containers

Dry Weight

Dry Weight	11/16/20 17:00	3	05/09/21 09:25	use TS data, make non-reportable

Sample Control

Archive Samples - Frozen	11/12/20 17:00	1	11/11/20 09:25	

Semivols (ECD)

8081B 2,4+4,4-DDx Only (+Add)	01/14/21 17:00	10	11/24/20 09:25	
8082 PCBs - Low Level (2mL FV) +1262/68	01/14/21 17:00	10	11/10/21 09:25	

Semivols (Scan)

8270E LL PAH/PCP Only (Scan)	01/14/21 17:00	10	11/24/20 09:25	PAH only

Wet Chem

Solids, Total (SM 2540 G,B)	11/24/20 17:00	10	05/09/21 09:25	enter TS data in dry wt
Total Organic Carbon - Sediment (PSEP/BC)	01/14/21 17:00	10	11/24/20 09:25	

A0K0482-12 USMPDI-006SC-A-02-03-201110 [Sediment] Sampled
11/10/20 09:25 (GMT-08:00) Pacific Time (US & Canada) 1 Containers

Dry Weight

Dry Weight	11/16/20 17:00	3	05/09/21 09:25	use TS data, make non-reportable

Sample Control

Archive Samples - Frozen	11/12/20 17:00	1	11/11/20 09:25	

Semivols (ECD)

8081B 2,4+4,4-DDx Only (+Add)	01/14/21 17:00	10	11/24/20 09:25	
8082 PCBs - Low Level (2mL FV) +1262/68	01/14/21 17:00	10	11/10/21 09:25	

Semivols (Scan)

8270E LL PAH/PCP Only (Scan)	01/14/21 17:00	10	11/24/20 09:25	PAH only

Wet Chem

Solids, Total (SM 2540 G,B)	11/24/20 17:00	10	05/09/21 09:25	enter TS data in dry wt
Total Organic Carbon - Sediment (PSEP/BC)	01/14/21 17:00	10	11/24/20 09:25	

A0K0482

Apex Laboratories

Client:	**Anchor QEA, LLC**	**Project Manager:**	**Darwin Thomas**
Project:	**US Moorings -- C2, C3, C4**	**Project Number:**	**[none]**

Analysis	Due	TAT	Expires	Comments
Analysis	**Due**	**TAT**	**Expires**	**Comments**

A0K0482-13 USMPDI-006SC-A-03-04-201110 [Sediment] Sampled
11/10/20 09:25 (GMT-08:00) Pacific Time (US & Canada) 1 Containers

Dry Weight

Dry Weight	11/16/20 17:00	3	05/09/21 09:25	use TS data, make non-reportable

Sample Control

Archive Samples - Frozen	11/12/20 17:00	1	11/11/20 09:25	

Semivols (ECD)

8081B 2,4+4,4-DDx Only (+Add)	01/14/21 17:00	10	11/24/20 09:25	
8082 PCBs - Low Level (2mL FV) +1262/68	01/14/21 17:00	10	11/10/21 09:25	

Semivols (Scan)

8270E LL PAH/PCP Only (Scan)	01/14/21 17:00	10	11/24/20 09:25	PAH only

Wet Chem

Solids, Total (SM 2540 G,B)	11/24/20 17:00	10	05/09/21 09:25	enter TS data in dry wt
Total Organic Carbon - Sediment (PSEP/BC)	01/14/21 17:00	10	11/24/20 09:25	

A0K0482-14 USMPDI-006SC-A-04-05-201110 [Sediment] Sampled
11/10/20 09:25 (GMT-08:00) Pacific Time (US & Canada) 1 Containers

Dry Weight

Dry Weight	11/16/20 17:00	3	05/09/21 09:25	use TS data, make non-reportable

Sample Control

Archive Samples - Frozen	11/12/20 17:00	1	11/11/20 09:25	

Semivols (ECD)

8081B 2,4+4,4-DDx Only (+Add)	01/14/21 17:00	10	11/24/20 09:25	
8082 PCBs - Low Level (2mL FV) +1262/68	01/14/21 17:00	10	11/10/21 09:25	

Semivols (Scan)

8270E LL PAH/PCP Only (Scan)	01/14/21 17:00	10	11/24/20 09:25	PAH only

Wet Chem

Solids, Total (SM 2540 G,B)	11/24/20 17:00	10	05/09/21 09:25	enter TS data in dry wt
Total Organic Carbon - Sediment (PSEP/BC)	01/14/21 17:00	10	11/24/20 09:25	

A0K0482

Apex Laboratories

Client:	**Anchor QEA, LLC**	**Project Manager:**	**Darwin Thomas**
Project:	**US Moorings -- C2, C3, C4**	**Project Number:**	**[none]**

Analysis	Due	TAT	Expires	Comments
Analysis	**Due**	**TAT**	**Expires**	**Comments**

A0K0482-15 USMPDI-006SC-D-00-02-201110 [Sediment] Sampled
11/10/20 09:05 (GMT-08:00) Pacific Time (US & Canada) 5 Containers

Dry Weight

Dry Weight	11/16/20 17:00	3	05/09/21 09:05	use TS data, make non-reportable

Metals

Metals, Select 1	11/24/20 17:00	10	05/09/21 09:05	sediment

Sample Control

Archive Samples - Frozen	11/12/20 17:00	1	11/11/20 09:05	
Sample Subsampling	11/12/20 17:00	1	02/17/21 09:05	Subsampled from A to D Cont.

Semivols (Scan)

8270E LL PAH/PCP Only (Scan)	01/14/21 17:00	10	11/24/20 09:05	PCP only

Volatiles

8260D BTEX+Halo6	11/24/20 17:00	10	11/12/20 09:05	

Wet Chem

Cyanide, Total (ASTM D7511, OIA)	11/24/20 17:00	10	11/24/20 09:05	
Solids, Total (SM 2540 G,B)	11/24/20 17:00	10	05/09/21 09:05	enter TS data in dry wt

A0K0482-16 USMPDI-006SC-D-02-04-201110 [Sediment] Sampled
11/10/20 09:05 (GMT-08:00) Pacific Time (US & Canada) 4 Containers

Dry Weight

Dry Weight	11/16/20 17:00	3	05/09/21 09:05	use TS data, make non-reportable

Metals

Metals, Select 1	11/24/20 17:00	10	05/09/21 09:05	sediment

Sample Control

Archive Samples - Frozen	11/12/20 17:00	1	11/11/20 09:05	
Sample Subsampling	11/12/20 17:00	1	02/17/21 09:05	Subsampled from A to D Cont.

Semivols (Scan)

8270E LL PAH/PCP Only (Scan)	01/14/21 17:00	10	11/24/20 09:05	PCP only

Volatiles

8260D BTEX+Halo6	11/24/20 17:00	10	11/12/20 09:05	

Wet Chem

Cyanide, Total (ASTM D7511, OIA)	11/24/20 17:00	10	11/24/20 09:05	
Solids, Total (SM 2540 G,B)	11/24/20 17:00	10	05/09/21 09:05	enter TS data in dry wt

A0K0482

Apex Laboratories

Client:	**Anchor QEA, LLC**	**Project Manager:**	**Darwin Thomas**
Project:	**US Moorings -- C2, C3, C4**	**Project Number:**	**[none]**

Analysis	Due	TAT	Expires	Comments
Analysis	**Due**	**TAT**	**Expires**	**Comments**

A0K0482-17 USMPDI-006SC-D-04-06-201110 [Sediment] Sampled
11/10/20 09:05 (GMT-08:00) Pacific Time (US & Canada) 4 Containers

Dry Weight

Dry Weight	11/16/20 17:00	3	05/09/21 09:05	use TS data, make non-reportable

Metals

Metals, Select 1	11/24/20 17:00	10	05/09/21 09:05	sediment

Sample Control

Archive Samples - Frozen	11/12/20 17:00	1	11/11/20 09:05	
Sample Subsampling	11/12/20 17:00	1	02/17/21 09:05	Subsampled from A to D Cont.

Semivols (Scan)

8270E LL PAH/PCP Only (Scan)	01/14/21 17:00	10	11/24/20 09:05	PCP only

Volatiles

8260D BTEX+Halo6	11/24/20 17:00	10	11/12/20 09:05	

Wet Chem

Cyanide, Total (ASTM D7511, OIA)	11/24/20 17:00	10	11/24/20 09:05	
Solids, Total (SM 2540 G,B)	11/24/20 17:00	10	05/09/21 09:05	enter TS data in dry wt

A0K0482-18 USMPDI-006SC-D-06-08-201110 [Sediment] Sampled
11/10/20 09:05 (GMT-08:00) Pacific Time (US & Canada) 5 Containers

Dry Weight

Dry Weight	11/16/20 17:00	3	05/09/21 09:05	use TS data, make non-reportable

Metals

Metals, Select 1	11/24/20 17:00	10	05/09/21 09:05	sediment

Sample Control

Archive Samples - Frozen	11/12/20 17:00	1	11/11/20 09:05	
Sample Subsampling	11/12/20 17:00	1	02/17/21 09:05	Subsampled from A to E Cont.

Semivols (ECD)

8081B 2,4+4,4-DDx Only (+Add)	01/14/21 17:00	10	11/24/20 09:05	
8082 PCBs - Low Level (2mL FV) +1262/68	01/14/21 17:00	10	11/10/21 09:05	

Semivols (Scan)

8270E LL PAH/PCP Only (Scan)	01/14/21 17:00	10	11/24/20 09:05	

Volatiles

8260D BTEX+Halo6	11/24/20 17:00	10	11/12/20 09:05	

Wet Chem

Cyanide, Total (ASTM D7511, OIA)	11/24/20 17:00	10	11/24/20 09:05	
Solids, Total (SM 2540 G,B)	11/24/20 17:00	10	05/09/21 09:05	enter TS data in dry wt
Total Organic Carbon - Sediment (PSEP/BC)	01/14/21 17:00	10	11/24/20 09:05	

A0K0482

Apex Laboratories

Client:	**Anchor QEA, LLC**	**Project Manager:**	**Darwin Thomas**
Project:	**US Moorings -- C2, C3, C4**	**Project Number:**	**[none]**

Analysis	Due	TAT	Expires	Comments
Analysis	**Due**	**TAT**	**Expires**	**Comments**
A0K0482-19 USMPDI-006SC-D-08-10-201110 [Sediment] Sampled 11/10/20 09:05 (GMT-08:00) Pacific Time (US & Canada) 5 Containers				
Dry Weight				
Dry Weight	11/16/20 17:00	3	05/09/21 09:05	use TS data, make non-reportable
Metals				
Metals, Select 1	11/24/20 17:00	10	05/09/21 09:05	sediment
Sample Control				
Archive Samples - Frozen	11/12/20 17:00	1	11/11/20 09:05	
Sample Subsampling	11/12/20 17:00	1	02/17/21 09:05	Subsampled from A to E Cont.
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	01/14/21 17:00	10	11/24/20 09:05	
8082 PCBs - Low Level (2mL FV) +1262/68	01/14/21 17:00	10	11/10/21 09:05	
Semivols (Scan)				
8270E LL PAH/PCP Only (Scan)	01/14/21 17:00	10	11/24/20 09:05	
Volatiles				
8260D BTEX+Halo6	11/24/20 17:00	10	11/12/20 09:05	
Wet Chem				
Cyanide, Total (ASTM D7511, OIA)	11/24/20 17:00	10	11/24/20 09:05	
Solids, Total (SM 2540 G,B)	11/24/20 17:00	10	05/09/21 09:05	enter TS data in dry wt
Total Organic Carbon - Sediment (PSEP/BC)	01/14/21 17:00	10	11/24/20 09:05	

A0K0482

Apex Laboratories

Client:	**Anchor QEA, LLC**	**Project Manager:**	**Darwin Thomas**
Project:	**US Moorings -- C2, C3, C4**	**Project Number:**	**[none]**

Analysis	Due	TAT	Expires	Comments
Analysis	**Due**	**TAT**	**Expires**	**Comments**
A0K0482-20 USMPDI-006SC-D-10-12-201110 [Sediment] Sampled 11/10/20 09:05 (GMT-08:00) Pacific Time (US & Canada) 5 Containers				
Dry Weight				
Dry Weight	11/16/20 17:00	3	05/09/21 09:05	use TS data, make non-reportable
Metals				
Metals, Select 1	11/24/20 17:00	10	05/09/21 09:05	sediment
Sample Control				
Archive Samples - Frozen	11/12/20 17:00	1	11/11/20 09:05	
Sample Subsampling	11/12/20 17:00	1	02/17/21 09:05	Subsampled from A to E Cont.
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	01/14/21 17:00	10	11/24/20 09:05	
8082 PCBs - Low Level (2mL FV) +1262/68	01/14/21 17:00	10	11/10/21 09:05	
Semivols (Scan)				
8270E LL PAH/PCP Only (Scan)	01/14/21 17:00	10	11/24/20 09:05	
Volatiles				
8260D BTEX+Halo6	11/24/20 17:00	10	11/12/20 09:05	
Wet Chem				
Cyanide, Total (ASTM D7511, OIA)	11/24/20 17:00	10	11/24/20 09:05	
Solids, Total (SM 2540 G,B)	11/24/20 17:00	10	05/09/21 09:05	enter TS data in dry wt
Total Organic Carbon - Sediment (PSEP/BC)	01/14/21 17:00	10	11/24/20 09:05	

A0K0482

Apex Laboratories

Client:	**Anchor QEA, LLC**	**Project Manager:**	**Darwin Thomas**
Project:	**US Moorings -- C2, C3, C4**	**Project Number:**	**[none]**

Analysis	Due	TAT	Expires	Comments
Analysis	**Due**	**TAT**	**Expires**	**Comments**
A0K0482-21 USMPDI-006SC-D-12-14-201110 [Sediment] Sampled				
11/10/20 09:05 (GMT-08:00) Pacific Time (US & Canada) 11 Containers				
Dry Weight				
Dry Weight	11/16/20 17:00	3	05/09/21 09:05	use TS data, make non-reportable
Metals				
Metals, Select 1	11/24/20 17:00	10	05/09/21 09:05	MS/MSD. sediment
Sample Control				
Archive Samples - Frozen	11/12/20 17:00	1	11/11/20 09:05	
Sample Subsampling	11/12/20 17:00	1	02/17/21 09:05	Subsampled from A to K Cont.
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	01/14/21 17:00	10	11/24/20 09:05	MS/MSD
8082 PCBs - Low Level (2mL FV) +1262/68	01/14/21 17:00	10	11/10/21 09:05	MS/MSD
Semivols (Scan)				
8270E LL PAH/PCP Only (Scan)	01/14/21 17:00	10	11/24/20 09:05	MS/MSD
Volatiles				
8260D BTEX+Halo6	11/24/20 17:00	10	11/12/20 09:05	MS/MSD
Wet Chem				
Cyanide, Total (ASTM D7511, OIA)	11/24/20 17:00	10	11/24/20 09:05	MS/MSD
Solids, Total (SM 2540 G,B)	11/24/20 17:00	10	05/09/21 09:05	enter TS data in dry wt
Total Organic Carbon - Sediment (PSEP/BC)	01/14/21 17:00	10	11/24/20 09:05	DUP

A0K0482

Apex Laboratories

Client:	**Anchor QEA, LLC**	**Project Manager:**	**Darwin Thomas**
Project:	**US Moorings -- C2, C3, C4**	**Project Number:**	**[none]**

Analysis	Due	TAT	Expires	Comments
Analysis	**Due**	**TAT**	**Expires**	**Comments**
A0K0482-22 USMPDI-1006SC-D-10-12-201110 [Sediment] Sampled 11/10/20 09:05 (GMT-08:00) Pacific Time (US & Canada)		**5 Containers**		**No T on CoC, T on Cont. reads 0905.**
Dry Weight				
Dry Weight	11/16/20 17:00	3	05/09/21 09:05	use TS data, make non-reportable
Metals				
Metals, Select 1	11/24/20 17:00	10	05/09/21 09:05	sediment
Sample Control				
Archive Samples - Frozen	11/12/20 17:00	1	11/11/20 09:05	
Sample Subsampling	11/12/20 17:00	1	02/17/21 09:05	Subsampled from A to E Cont.
Semivols (ECD)				
8081B 2,4+4,4-DDx Only (+Add)	01/14/21 17:00	10	11/24/20 09:05	
8082 PCBs - Low Level (2mL FV) +1262/68	01/14/21 17:00	10	11/10/21 09:05	
Semivols (Scan)				
8270E LL PAH/PCP Only (Scan)	01/14/21 17:00	10	11/24/20 09:05	
Volatiles				
8260D BTEX+Halo6	11/24/20 17:00	10	11/12/20 09:05	
Wet Chem				
Cyanide, Total (ASTM D7511, OIA)	11/24/20 17:00	10	11/24/20 09:05	
Solids, Total (SM 2540 G,B)	01/14/21 17:00	10	05/09/21 09:05	enter TS data in dry wt
Total Organic Carbon - Sediment (PSEP/BC)	01/14/21 17:00	10	11/24/20 09:05	

Analysis groups included in this work order

Metals, Select 1

As (Arsenic) - 6020B - Total	Cd (Cadmium) - 6020B - Total	Cr (Chromium) - 6020B - Total	Cu (Copper) - 6020B - Total
Mn (Manganese) - 6020B - Total	Pb (Lead) - 6020B - Total	V (Vanadium) - 6020B - Total	Zn (Zinc) - 6020B - Total

Reviewed By

Date

ANCHOR QEA
1201 3rd Avenue, Suite 2600, Seattle, WA 98101

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

AQ-C0482

COC ID: APEX-20201110-153131

POC: # Delaney Peterson (360-715-2707)
1605 Cornwall Avenue, Bellingham, WA 98225

Project: GascoSiltronic: US Moorings
Client: NW Natural

Sample Custodian: CO
Lab: Apex

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Collected Time	Containers #	Lab QC*	Test Request	Method	TAT**	Preservative
001	USMPDI-003SC-A-01-02-201110	N	SE	11/10/2020	12:15	1	☐				
								TOC	SM5310B	30	4°C
								LR Pesticides (QAPP C-2, C-3, and C-4)	SW8081B	30	4°C
								PAH	SW8270E	30	4°C
								PCB Aroclors	SW8082A	30	4°C
								Total solids (APEX)	SM2540G	30	4°C
002	USMPDI-003SC-A-02-03-201110	N	SE	11/10/2020	12:15	1	☐				
								TOC	SM5310B	30	4°C
								LR Pesticides (QAPP C-2, C-3, and C-4)	SW8081B	30	4°C
								PAH	SW8270E	30	4°C
								PCB Aroclors	SW8082A	30	4°C
								Total solids (APEX)	SM2540G	30	4°C
003	USMPDI-003SC-A-03-04-201110	N	SE	11/10/2020	12:15	2	☒				
								TOC	SM5310B	30	4°C
								LR Pesticides (QAPP C-2, C-3, and C-4)	SW8081B	30	4°C
								PAH	SW8270E	30	4°C
								PCB Aroclors	SW8082A	30	4°C
								Total solids (APEX)	SM2540G	30	4°C
004	USMPDI-003SC-A-04-05-201110	N	SE	11/10/2020	12:15	1	☐				
								TOC	SM5310B	30	4°C
								LR Pesticides (QAPP C-2, C-3, and C-4)	SW8081B	30	4°C
								PAH	SW8270E	30	4°C

Comment:

Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature	Signature	Signature	Signature	Signature	Signature
Print Name	Print Name Charles Hoffman	Print Name	Print Name	Print Name	Print Name
Company AQ	Company Apex	Company	Company	Company	Company
Date/Time 11/11/20 @ 0750	Date/Time 11/11/20 1330	Date/Time	Date/Time	Date/Time	Date/Time

* Lab QC Requested for sample when box is checked ** TAT = Turn Around Time in DAYS # POC = Project Point of Contact

Date Printed: 11/10/2020

ANCHOR QEA
1201 3rd Avenue, Suite 2600, Seattle, WA 98101

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

AOK04482

COC ID: APEX-20201110-153131

POC: # Delaney Peterson (360-715-2707)
1605 Cornwall Avenue, Bellingham, WA 98225

Project: GascoSiltronic: US Moorings
Client: NW Natural

Sample Custodian: CO
Lab: Apex

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Collected Time	Containers #	Lab QC*	Test Request	Method	TAT**	Preservative
004	USMPDI-003SC-A-04-05-201110	N	SE	11/10/2020	12:15	1	☐				
								PCB Aroclors	SW8082A	30	4°C
								Total solids (APEX)	SM2540G	30	4°C
005	USMPDI-1003SC-A-01-02-201110	FD	SE	11/10/2020		1	☐				
								TOC	SM5310B	30	4°C
								LR Pesticides (QAPP C-2, C-3, and C-4)	SW8081B	30	4°C
								PAH	SW8270E	30	4°C
								PCB Aroclors	SW8082A	30	4°C
								Total solids (APEX)	SM2540G	30	4°C
006	SC-TB-2011101216	TB	WQ	11/10/2020	12:16	2	☐				
								VOCs (QAPP C-4)	SW8260C	30	
007	USMPDI-003SC-B-00-02-201110	N	SE	11/10/2020	11:55	3	☐				
								Cyanide	D7511-12	30	4°C
								Metals (QAPP C-4)	SW6020A	30	4°C
								SVOCs (QAPP C-4)	SW8270D	30	4°C
								Total solids (APEX)	SM2540G	30	4°C
								VOCs (QAPP C-4)	SW8260C	30	MeOH
008	USMPDI-003SC-B-02-04-201110	N	SE	11/10/2020	11:55	3	☐				
								Cyanide	D7511-12	30	4°C
								Metals (QAPP C-4)	SW6020A	30	4°C
								SVOCs (QAPP C-4)	SW8270D	30	4°C

Comment:

Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature	Signature	Signature	Signature	Signature	Signature
Print Name James Newton	Print Name Charles Hoffman	Print Name	Print Name	Print Name	Print Name
Company Anchor	Company Apex	Company	Company	Company	Company
Date/Time 11/11/20 0750	Date/Time 11/11/20 1330	Date/Time	Date/Time	Date/Time	Date/Time

* Lab QC Requested for sample when box is checked ** TAT = Turn Around Time in DAYS # POC = Project Point of Contact

Date Printed: 11/10/2020

ANCHOR QEA
1201 3rd Avenue, Suite 2600, Seattle, WA 98101

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

AOR0482

COC ID: APEX-20201110-153131

POC: # Delaney Peterson (360-715-2707)
1605 Cornwall Avenue, Bellingham, WA 98225

Project: GascoSiltronic: US Moorings
Client: NW Natural

Sample Custodian: CO
Lab: Apex

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Collected Time	Containers #	Lab QC*	Test Request	Method	TAT**	Preservative
008	USMPDI-003SC-B-02-04-201110	N	SE	11/10/2020	11:55	3	☐				
								Total solids (APEX)	SM2540G	30	4°C
								VOCs (QAPP C-4)	SW8260C	30	MeOH
009	USMPDI-003SC-B-04-06-201110	N	SE	11/10/2020	11:55	3	☐				
								Cyanide	D7511-12	30	4°C
								Metals (QAPP C-4)	SW6020A	30	4°C
								SVOCs (QAPP C-4)	SW8270D	30	4°C
								Total solids (APEX)	SM2540G	30	4°C
								VOCs (QAPP C-4)	SW8260C	30	MeOH
010	USMPDI-003SC-B-06-08-201110	N	SE	11/10/2020	11:55	4	☐				
								Cyanide	D7511-12	30	4°C
								TOC	SM5310B	30	4°C
								LR Pesticides (QAPP C-2, C-3, and C-4)	SW8081B	30	4°C
								Metals (QAPP C-4)	SW6020A	30	4°C
								PAH	SW8270E	30	4°C
								PCB Aroclors	SW8082A	30	4°C
								SVOCs (QAPP C-4)	SW8270D	30	4°C
								Total solids (APEX)	SM2540G	30	4°C
								VOCs (QAPP C-4)	SW8260C	30	MeOH
011	USMPDI-006SC-A-01-02-201110	N	SE	11/10/2020	9:25	1	☐				
								TOC	SM5310B	30	4°C
								LR Pesticides (QAPP C-2, C-3, and C-4)	SW8081B	30	4°C

Comment:

Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature	Signature	Signature	Signature	Signature	Signature
Print Name James Mercer	Print Name Charles Hoffman	Print Name	Print Name	Print Name	Print Name
Company Ael	Company Apex	Company	Company	Company	Company
Date/Time 11/11/20 @ 0750	Date/Time 11/11/20 1330	Date/Time	Date/Time	Date/Time	Date/Time

* Lab QC Requested for sample when box is checked ** TAT = Turn Around Time in DAYS # POC = Project Point of Contact

Date Printed: 11/10/2020

ANCHOR QEA
1201 3rd Avenue, Suite 2600, Seattle, WA 98101

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

POK0482

COC ID: APEX-20201110-153131

POC: # Delaney Peterson (360-715-2707)
1605 Cornwall Avenue, Bellingham, WA 98225

Project: GascoSiltronic: US Moorings
Client: NW Natural

Sample Custodian: CO
Lab: Apex

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Collected Time	Containers #	Lab QC*	Test Request	Method	TAT**	Preservative
011	USMPDI-006SC-A-01-02-201110	N	SE	11/10/2020	9:25	1	☐				
								PAH	SW8270E	30	4°C
								PCB Aroclors	SW8082A	30	4°C
								Total solids (APEX)	SM2540G	30	4°C
012	USMPDI-006SC-A-02-03-201110	N	SE	11/10/2020	9:25	1	☐				
								TOC	SM5310B	30	4°C
								LR Pesticides (QAPP C-2, C-3, and C-4)	SW8081B	30	4°C
								PAH	SW8270E	30	4°C
								PCB Aroclors	SW8082A	30	4°C
								Total solids (APEX)	SM2540G	30	4°C
013	USMPDI-006SC-A-03-04-201110	N	SE	11/10/2020	9:25	1	☐				
								TOC	SM5310B	30	4°C
								LR Pesticides (QAPP C-2, C-3, and C-4)	SW8081B	30	4°C
								PAH	SW8270E	30	4°C
								PCB Aroclors	SW8082A	30	4°C
								Total solids (APEX)	SM2540G	30	4°C
014	USMPDI-006SC-A-04-05-201110	N	SE	11/10/2020	9:25	1	☐				
								TOC	SM5310B	30	4°C
								LR Pesticides (QAPP C-2, C-3, and C-4)	SW8081B	30	4°C
								PAH	SW8270E	30	4°C
								PCB Aroclors	SW8082A	30	4°C
								Total solids (APEX)	SM2540G	30	4°C

Comment:

Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature	Signature	Signature	Signature	Signature	Signature
Print Name: James Merton	Print Name: Charles Hoffman	Print Name	Print Name	Print Name	Print Name
Company: AQ	Company: Apex	Company	Company	Company	Company
Date/Time: 11/11/20 0080	Date/Time: 11/11/20 1330	Date/Time	Date/Time	Date/Time	Date/Time

* Lab QC Requested for sample when box is checked ** TAT = Turn Around Time in DAYS # POC = Project Point of Contact

Date Printed: 11/10/2020

ANCHOR QEA
1201 3rd Avenue, Suite 2600, Seattle, WA 98101

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

AOF0482

COC ID: APEX-20201110-153131

POC: # Delaney Peterson (360-715-2707)
1605 Cornwall Avenue, Bellingham, WA 98225

Project: GascoSiltronic: US Moorings
Client: NW Natural

Sample Custodian: CO
Lab: Apex

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Collected Time	Containers #	Lab QC*	Test Request	Method	TAT**	Preservative
015	USMPDI-006SC-D-00-02-201110	N	SE	11/10/2020	9:05	3	☐				
								Cyanide	D7511-12	30	4°C
								Metals (QAPP C-4)	SW6020A	30	4°C
								SVOCs (QAPP C-4)	SW8270D	30	4°C
								Total solids (APEX)	SM2540G	30	4°C
								VOCs (QAPP C-4)	SW8260C	30	MeOH
016	USMPDI-006SC-D-02-04-201110	N	SE	11/10/2020	9:05	3	☐				
								Cyanide	D7511-12	30	4°C
								Metals (QAPP C-4)	SW6020A	30	4°C
								SVOCs (QAPP C-4)	SW8270D	30	4°C
								Total solids (APEX)	SM2540G	30	4°C
								VOCs (QAPP C-4)	SW8260C	30	MeOH
017	USMPDI-006SC-D-04-06-201110	N	SE	11/10/2020	9:05	3	☐				
								Cyanide	D7511-12	30	4°C
								Metals (QAPP C-4)	SW6020A	30	4°C
								SVOCs (QAPP C-4)	SW8270D	30	4°C
								Total solids (APEX)	SM2540G	30	4°C
								VOCs (QAPP C-4)	SW8260C	30	MeOH
018	USMPDI-006SC-D-06-08-201110	N	SE	11/10/2020	9:05	4	☐				
								Cyanide	D7511-12	30	4°C
								TOC	SM5310B	30	4°C
								LR Pesticides (QAPP C-2, C-3, and C-4)	SW8081B	30	4°C

Comment:

Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature: [signature]	Signature: [signature]	Signature:	Signature:	Signature:	Signature:
Print Name: James Meiton	Print Name: Charles Hoffman	Print Name:	Print Name:	Print Name:	Print Name:
Company: AQ	Company: Apex	Company:	Company:	Company:	Company:
Date/Time: 11/11/20 0750	Date/Time: 11/11/20 1330	Date/Time:	Date/Time:	Date/Time:	Date/Time:

Date Printed: 11/10/2020

* Lab QC Requested for sample when box is checked ** TAT = Turn Around Time in DAYS # POC = Project Point of Contact

ANCHOR QEA
1201 3rd Avenue, Suite 2600, Seattle, WA 98101

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

B0F0482

COC ID: APEX-20201110-153131

POC: # Delaney Peterson (360-715-2707)
1605 Cornwall Avenue, Bellingham, WA 98225

Project: GascoSiltronic: US Moorings
Client: NW Natural

Sample Custodian: CO
Lab: Apex

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Collected Time	Containers #	Lab QC*	Test Request	Method	TAT**	Preservative
018	USMPDI-006SC-D-06-08-201110	N	SE	11/10/2020	9:05	4	☐				
								Metals (QAPP C-4)	SW6020A	30	4°C
								PAH	SW8270E	30	4°C
								PCB Aroclors	SW8082A	30	4°C
								SVOCs (QAPP C-4)	SW8270D	30	4°C
								Total solids (APEX)	SM2540G	30	4°C
								VOCs (QAPP C-4)	SW8260C	30	MeOH
019	USMPDI-006SC-D-08-10-201110	N	SE	11/10/2020	9:05	4	☐				
								Cyanide	D7511-12	30	4°C
								TOC	SM5310B	30	4°C
								LR Pesticides (QAPP C-2, C-3, and C-4)	SW8081B	30	4°C
								Metals (QAPP C-4)	SW6020A	30	4°C
								PAH	SW8270E	30	4°C
								PCB Aroclors	SW8082A	30	4°C
								SVOCs (QAPP C-4)	SW8270D	30	4°C
								Total solids (APEX)	SM2540G	30	4°C
								VOCs (QAPP C-4)	SW8260C	30	MeOH
020	USMPDI-006SC-D-10-12-201110	N	SE	11/10/2020	9:05	4	☐				
								Cyanide	D7511-12	30	4°C
								TOC	SM5310B	30	4°C
								LR Pesticides (QAPP C-2, C-3, and C-4)	SW8081B	30	4°C
								Metals (QAPP C-4)	SW6020A	30	4°C

Comment:

Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature	Signature	Signature	Signature	Signature	Signature
Print Name: Jamie Mercer	Print Name: Charles Hoffman	Print Name	Print Name	Print Name	Print Name
Company: AQ	Company: Apex	Company	Company	Company	Company
Date/Time: 11/11/20 @0750	Date/Time: 11/11/20 1330	Date/Time	Date/Time	Date/Time	Date/Time

* Lab QC Requested for sample when box is checked ** TAT = Turn Around Time in DAYS # POC = Project Point of Contact

Date Printed: 11/10/2020

ANCHOR QEA
1201 3rd Avenue, Suite 2600, Seattle, WA 98101

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

APOF0482

COC ID: APEX-20201110-153131

POC: # Delaney Peterson (360-715-2707)
1605 Cornwall Avenue, Bellingham, WA 98225

Project: GascoSiltronic: US Moorings
Client: NW Natural

Sample Custodian: CO
Lab: Apex

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Collected Time	Containers #	Lab QC*	Test Request	Method	TAT**	Preservative
020	USMPDI-006SC-D-10-12-201110	N	SE	11/10/2020	9:05	4	☐				
								PAH	SW8270E	30	4°C
								PCB Aroclors	SW8082A	30	4°C
								SVOCs (QAPP C-4)	SW8270D	30	4°C
								Total solids (APEX)	SM2540G	30	4°C
								VOCs (QAPP C-4)	SW8260C	30	MeOH
021	USMPDI-006SC-D-12-14-201110	N	SE	11/10/2020	9:05	10	X				
								Cyanide	D7511-12	30	4°C
								TOC	SM5310B	30	4°C
								LR Pesticides (QAPP C-2, C-3, and C-4)	SW8081B	30	4°C
								Metals (QAPP C-4)	SW6020A	30	4°C
								PAH	SW8270E	30	4°C
								PCB Aroclors	SW8082A	30	4°C
								SVOCs (QAPP C-4)	SW8270D	30	4°C
								Total solids (APEX)	SM2540G	30	4°C
								VOCs (QAPP C-4)	SW8260C	30	MeOH
022	USMPDI-1006SC-D-10-12-201110	FD	SE	11/10/2020		4	☐				
								Cyanide	D7511-12	30	4°C
								TOC	SM5310B	30	4°C
								LR Pesticides (QAPP C-2, C-3, and C-4)	SW8081B	30	4°C
								Metals (QAPP C-4)	SW6020A	30	4°C
								PAH	SW8270E	30	4°C

Comment:

Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature	Signature	Signature	Signature	Signature	Signature
Print Name James Meyer	Print Name Charles Hoffman	Print Name	Print Name	Print Name	Print Name
Company AQ	Company Apex	Company	Company	Company	Company
Date/Time 11/11/20 @ 0750	Date/Time 11/11/20 1330	Date/Time	Date/Time	Date/Time	Date/Time

* Lab QC Requested for sample when box is checked ** TAT = Turn Around Time in DAYS # POC = Project Point of Contact

Date Printed: 11/10/2020

ANCHOR QEA
1201 3rd Avenue, Suite 2600, Seattle, WA 98101

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

AOC0482

COC ID: APEX-20201110-153131

POC: # Delaney Peterson (360-715-2707)
1605 Cornwall Avenue, Bellingham, WA 98225

Project: GascoSiltronic: US Moorings
Client: NW Natural

Sample Custodian: CO
Lab: Apex

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Collected Time	Containers #	Lab QC*	Test Request	Method	TAT**	Preservative
022	USMPDI-1006SC-D-10-12-201110	FD	SE	11/10/2020		4	☐				
								PCB Aroclors	SW8082A	30	4°C
								SVOCs (QAPP C-4)	SW8270D	30	4°C
								Total solids (APEX)	SM2540G	30	4°C
								VOCs (QAPP C-4)	SW8260C	30	MeOH

Comment:

Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature	Signature	Signature	Signature	Signature	Signature
Print Name [illegible]	Print Name Charles Hoffman	Print Name	Print Name	Print Name	Print Name
Company AQ	Company Apex	Company	Company	Company	Company
Date/Time 11/11/20 0750	Date/Time 11/11/20 1330	Date/Time	Date/Time	Date/Time	Date/Time

Date Printed: 11/10/2020

* Lab QC Requested for sample when box is checked ** TAT = Turn Around Time in DAYS # POC = Project Point of Contact

APEX LABS COOLER RECEIPT FORM

Client: Anchor QEA Element WO#: A0K0482

Project/Project #: Gascos; Itronic: US Moorings

Delivery Info:

Date/time received: 11/11/20 @ 1330 By: CFH

Delivered by: Apex X Client ___ ESS ___ FedEx ___ UPS ___ Swift ___ Senvoy ___ SDS ___ Other ___

Cooler Inspection Date/time inspected: 11/11/20 @ 1425 By: CFH

Chain of Custody included? Yes X No ___ Custody seals? Yes X No ___

Signed/dated by client? Yes X No ___

Signed/dated by Apex? Yes X No ___

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (°C)	4.6	1.0	0.1				
Received on ice? (Y/N)	Y	Y	Y				
Temp. blanks? (Y/N)	Y	Y	Y				
Ice type: (Gel/Real/Other)	Real	Real	Real				
Condition:	Good	Good	Good				

Cooler out of temp? (Y/N) Possible reason why: ___

If some coolers are in temp and some out, were green dots applied to out of temperature samples? Yes/No/NA

Out of temperature samples form initiated? Yes/No/NA

Samples Inspection: Date/time inspected: 11/12/20 @ 1527 By: AKK

All samples intact? Yes X No ___ Comments: ___

Bottle labels/COCs agree? Yes X No ___ Comments: USMPDI-1003SC-A-01-02-201110 not on COC, T on Cont. reads 1215. TB #2468. USMPDI-1002SC-D-10-12-201110

COC/container discrepancies form initiated? Yes ___ No X

Containers/volumes received appropriate for analysis? Yes X No ___ Comments: ___

Do VOA vials have visible headspace? Yes ___ No X NA ___

Comments ___

Water samples: pH checked: Yes ___ No ___ NA X pH appropriate? Yes ___ No ___ NA X

Comments: ___

Additional information: no T on COC, T on Cont reads 0905. acc 11/12/20

Labeled by: AKK Witness: [signature] Cooler Inspected by: AKK See Project Contact Form: Y

CLP-Like Forms

Apex Laboratories

SDG: A0K0482

CLASS: GCMS

METHOD: EPA 8260D

ANALYSES DATA PACKAGE COVER PAGE

EPA 8260D

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4

Client Sample Id:	Lab Sample Id:	Matrix
SC-TB-2011101216	A0K0482-06	WQ

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in computer-readable data submitted on diskette has been autorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures.

Signature: 
Name: David G. Jack

Forms Created: 2/3/2021 11:44AM
Title: Technical Manager

METHOD DETECTION AND REPORTING LIMITS

EPA 8260D

Laboratory: Apex Laboratories **SDG:** A0K0482

Client: Anchor QEA, LLC **Project:** US Moorings -- C2, C3, C4

Batch Matrix: Water

Analyte	MDL	MRL	Units
Benzene	0.100	0.200	ug/L
Toluene	0.500	1.00	ug/L
Ethylbenzene	0.250	0.500	ug/L
m,p-Xylene	0.500	1.00	ug/L
o-Xylene	0.250	0.500	ug/L
Chlorobenzene	0.250	0.500	ug/L
1,1-Dichloroethene	0.200	0.400	ug/L
cis-1,2-Dichloroethene	0.200	0.400	ug/L
Tetrachloroethene (PCE)	0.200	0.400	ug/L
Trichloroethene (TCE)	0.200	0.400	ug/L
Vinyl chloride	0.200	0.400	ug/L

Note: MDLs are listed only if the corresponding analyte was evalutated to the MDL in this report .

ORGANIC ANALYSIS DATA SHEET

EPA 8260D

SC-TB-2011101216

Laboratory:	Apex Laboratories			SDG:	A0K0482
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	WQ	Laboratory ID:	A0K0482-06	File ID:	VI20111605.D
Sampled:	11/10/20 12:16	Prepared:	11/16/20 10:13	Analyzed:	11/16/20 13:46
		Preparation:	EPA 5030B	Initial/Final:	5 mL / 5 mL

Batch: 0110532 Sequence: 0K16056 Calibration: A0K1604 Instrument: VOA-GCMS9

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
71-43-2	Benzene	1	0.100	U
108-88-3	Toluene	1	0.500	U
100-41-4	Ethylbenzene	1	0.250	U
179601-23-1	m,p-Xylene	1	0.500	U
95-47-6	o-Xylene	1	0.250	U
108-90-7	Chlorobenzene	1	0.250	U
75-35-4	1,1-Dichloroethene	1	0.200	U
156-59-2	cis-1,2-Dichloroethene	1	0.200	U
127-18-4	Tetrachloroethene (PCE)	1	0.200	U
79-01-6	Trichloroethene (TCE)	1	0.200	U
75-01-4	Vinyl chloride	1	0.200	U

SYSTEM MONITORING COMPOUND	ADDED (ng/mL)	CONC (ng/mL)	% REC	QC LIMITS	Q
1,4-Difluorobenzene (Surr)	50.0	50.3	101	80 - 120	
Toluene-d8 (Surr)	50.0	51.5	103	80 - 120	
4-Bromofluorobenzene (Surr)	50.0	51.6	103	80 - 120	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (ISTD)	79676	6.15	83516	6.144	
Chlorobenzene-d5 (ISTD)	206708	9.855	226760	9.855	
1,4-Dichlorobenzene-d4 (ISTD)	86762	11.802	106541	11.802	

* Values outside of QC limits

PREPARATION BATCH SUMMARY

EPA 8260D

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Batch: 0110532 Batch Matrix: Water Preparation: EPA 5030B

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	0110532-BLK1	VI20111604.D	11/16/20 07:30	
LCS	0110532-BS1	VI20111602.D	11/16/20 07:30	
SC-TB-2011101216	A0K0482-06	VI20111605.D	11/16/20 10:13	

Note: Client samples are listed only if they are included in this report.
Duplicates and Matrix Spike/Duplicates QC Samples are only listed if sourced from a sample included in this report.

METHOD BLANK DATA SHEET
EPA 8260D

Laboratory:	Apex Laboratories			SDG:	A0K0482
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	Water	Laboratory ID:	0110532-BLK1	File ID:	VI20111604.D
Prepared:	11/16/20 07:30	Preparation:	EPA 5030B	Initial/Final:	5 mL / 5 mL
Analyzed:	11/16/20 13:18	Instrument:	VOA-GCMS9		
Batch:	0110532	Sequence:	0K16056	Calibration:	A0K1604

CAS NO.	COMPOUND	CONC. (ug/L)	Q
71-43-2	Benzene	0.100	U
108-88-3	Toluene	0.500	U
100-41-4	Ethylbenzene	0.250	U
179601-23-1	m,p-Xylene	0.500	U
95-47-6	o-Xylene	0.250	U
108-90-7	Chlorobenzene	0.250	U
75-35-4	1,1-Dichloroethene	0.200	U
156-59-2	cis-1,2-Dichloroethene	0.200	U
127-18-4	Tetrachloroethene (PCE)	0.200	U
79-01-6	Trichloroethene (TCE)	0.200	U
75-01-4	Vinyl chloride	0.200	U

SYSTEM MONITORING COMPOUND	ADDED (ng/mL)	CONC (ng/mL)	% REC	QC LIMITS	Q
1,4-Difluorobenzene (Surr)	50.0	50.0	100	80 - 120	
Toluene-d8 (Surr)	50.0	51.4	103	80 - 120	
4-Bromofluorobenzene (Surr)	50.0	51.2	102	80 - 120	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (ISTD)	78610	6.15	83516	6.144	
Chlorobenzene-d5 (ISTD)	205188	9.855	226760	9.855	
1,4-Dichlorobenzene-d4 (ISTD)	87439	11.802	106541	11.802	

LCS / LCS DUPLICATE RECOVERY

EPA 8260D

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Matrix:	Water		
Batch:	0110532	Laboratory ID:	0110532-BS1
Preparation:	EPA 5030B	Initial/Final:	5 mL / 5 mL

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. (*=Out)	QC LIMITS REC.
Benzene	20.0	20.3	101	80 - 120
Toluene	20.0	19.7	98	80 - 120
Ethylbenzene	20.0	19.8	99	80 - 120
m,p-Xylene	40.0	40.3	101	80 - 120
o-Xylene	20.0	20.3	101	80 - 120
Chlorobenzene	20.0	20.5	102	80 - 120
1,1-Dichloroethene	20.0	20.6	103	80 - 120
cis-1,2-Dichloroethene	20.0	20.7	104	80 - 120
Tetrachloroethene (PCE)	20.0	20.5	102	80 - 120
Trichloroethene (TCE)	20.0	20.4	102	80 - 120
Vinyl chloride	20.0	20.9	105	80 - 120

* = Values outside of QC limits

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8260D

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	0K13048	Instrument:	VOA-GCMS9
Matrix:	Water	Calibration:	A0K1604

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	0K13048-TUN1	VI20111303.D	11/13/20 17:57
Initial Cal Blank	0K13048-ICB1	VI20111304.D	11/13/20 18:24
Cal Standard	0K13048-CAL1	VI20111305.D	11/13/20 18:51
Cal Standard	0K13048-CAL2	VI20111306.D	11/13/20 19:18
Cal Standard	0K13048-CAL3	VI20111307.D	11/13/20 21:40
Cal Standard	0K13048-CAL4	VI20111308.D	11/13/20 22:07
Cal Standard	0K13048-CAL5	VI20111309.D	11/13/20 22:34
Cal Standard	0K13048-CAL6	VI20111310.D	11/13/20 23:01
Cal Standard	0K13048-CAL7	VI20111311.D	11/13/20 23:28
Cal Standard	0K13048-CAL8	VI20111312.D	11/13/20 23:56
Cal Standard	0K13048-CAL9	VI20111313.D	11/14/20 00:23
Cal Standard	0K13048-CALA	VI20111315.D	11/14/20 01:17
Cal Standard	0K13048-CALB	VI20111317.D	11/14/20 02:11
Initial Cal Check	0K13048-ICV1	VI20111320.D	11/14/20 03:32

Note: Client samples are listed only if they are included in this report.
Duplicates and Matrix Spike/Duplicates QC Samples are only listed if sourced from a sample included in this report.

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8260D

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	0K16056	Instrument:	VOA-GCMS9
Matrix:	Water	Calibration:	A0K1604

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	0K16056-TUN1	VI20111601.D	11/16/20 11:55
Calibration Check	0K16056-CCV1	VI20111602.D	11/16/20 12:22
Blank	0110532-BLK1	VI20111604.D	11/16/20 13:18
SC-TB-2011101216	A0K0482-06	VI20111605.D	11/16/20 13:46

Note: Client samples are listed only if they are included in this report.
Duplicates and Matrix Spike/Duplicates QC Samples are only listed if sourced from a sample included in this report.

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA 8260D

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Lab File ID:	VI20111303.D	Injection Date:	11/13/20
Instrument ID:	VOA-GCMS9	Injection Time:	17:57
Sequence:	0K13048	Lab Sample ID:	0K13048-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
m/z 95	50 - 200% of m/z 174	120.14	PASS
m/z 96	5 - 9% of m/z 95	6.68	PASS
m/z 173	Less than 2% of m/z 174	0.00	PASS
m/z 174	50 - 200% of m/z 95	83.24	PASS
m/z 175	5 - 9% of m/z 174	7.51	PASS
m/z 176	95 - 105% of m/z 174	96.93	PASS
m/z 177	5 - 10% of m/z 176	6.77	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA 8260D

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Lab File ID:	VI20111601.D	Injection Date:	11/16/20
Instrument ID:	VOA-GCMS9	Injection Time:	11:55
Sequence:	0K16056	Lab Sample ID:	0K16056-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
m/z 95	50 - 200% of m/z 174	113.52	PASS
m/z 96	5 - 9% of m/z 95	6.76	PASS
m/z 173	Less than 2% of m/z 174	0.00	PASS
m/z 174	50 - 200% of m/z 95	88.09	PASS
m/z 175	5 - 9% of m/z 174	7.41	PASS
m/z 176	95 - 105% of m/z 174	97.39	PASS
m/z 177	5 - 10% of m/z 176	6.57	PASS

INITIAL CALIBRATION DATA (Summary)

EPA 8260D

Laboratory: Apex Laboratories SDG: A0K0482

Client: Anchor QEA, LLC Project: US Moorings -- C2, C3, C4

Calibration: A0K1604 Date: 11/16/20 10:17 Instrument: VOA-GCMS9

Compound	Mean RF	FIT	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Benzene	3.753995	Ave	2.368057	6.056818	6.909313E-02			20	
Toluene	1.437864	Ave	3.882877	8.283909	2.432381E-02			20	
Ethylbenzene	1.506045	Ave	2.372142	9.893818	4.492661E-02			20	
m,p-Xylene	1.094212	Ave	4.657225	10.02773	3.207491E-02			20	
o-Xylene	1.103988	Ave	6.431262	10.41064	2.627364E-02			20	
Chlorobenzene	0.8896541	Ave	4.032537	9.868636	2.970712E-02			20	
1,1-Dichloroethene	1.28464	Ave	10.27714	3.1852	0.1547907			20	
cis-1,2-Dichloroethene	1.254827	Ave	4.085911	5.181556	0.0530078			20	
Tetrachloroethene (PCE)	0.3444273	Ave	8.081171	8.7272	3.231355E-02			20	
Trichloroethene (TCE)	1.010829	Ave	4.398671	6.675667	0.0465316			20	
Vinyl chloride	1.043996	Ave	7.46913	1.9682	0.2675156			20	
1,4-Difluorobenzene (Surr)	3.129042	Ave	1.204989	6.712727	4.672385E-02			20	
Toluene-d8 (Surr)	1.311527	Ave	1.940158	8.224455	2.288007E-02			20	
4-Bromofluorobenzene (Surr)	0.8623346	Ave	5.060915	10.91945	3.915587E-03			20	

Note: ** Quad COD may be incorrect if weighting (1/a) or (1/a2) used. Weighting not shown here. Please see instrument calibration printouts for validation.

INITIAL CALIBRATION DATA

EPA 8260D

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Calibration: A0K1604
Instrument: VOA-GCMS9
Calibration Date: 11/16/20 10:17

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
Benzene	0.1	3.651527	0.2	3.746274	0.4	3.873868	1	3.561203	2	3.788844	5	3.743208
Toluene	0.1	1.580162	0.2	1.400526	0.4	1.485687	1	1.458908	2	1.43716	5	1.444589
Ethylbenzene	0.1	1.420442	0.2	1.480493	0.4	1.515799	1	1.519312	2	1.548118	5	1.526372
m,p-Xylene	0.2	1.070123	0.4	1.040676	0.8	1.068672	2	1.009726	4	1.068722	10	1.102966
o-Xylene	0.1	1.128687	0.2	0.9362755	0.4	1.044242	1	1.06354	2	1.083887	5	1.118475
Xylenes, total	0.3	1.089645	0.6	1.005876	1.2	1.060529	3	1.027664	6	1.073777	15	1.108135
Chlorobenzene	0.1	0.8113772	0.2	0.8396492	0.4	0.8755045	1	0.8772778	2	0.9231716	5	0.9195266
1,1-Dichloroethene	0.1	~~0~~	0.2	0.9430177	0.4	1.461498	1	1.279843	2	1.294216	5	1.302891
cis-1,2-Dichloroethene	0.1	~~0~~	0.2	~~0.6363219~~	0.4	1.269826	1	1.134977	2	1.245324	5	1.24374
Tetrachloroethene (PCE)	0.1	~~0~~	0.2	0.2887682	0.4	0.3005463	1	0.3538544	2	0.3701105	5	0.3622172
Trichloroethene (TCE)	0.1	~~0~~	0.2	~~0.3296262~~	0.4	1.039221	1	0.907411	2	0.994042	5	1.022148
Vinyl chloride	0.1	~~0~~	0.2	0.9000229	0.4	1.06917	1	1.016916	2	1.027584	5	1.022596
1,4-Difluorobenzene (Surr)	50	3.104493	50	3.062245	50	3.180435	50	3.091209	50	3.135977	50	3.113115
Toluene-d8 (Surr)	50	1.342175	50	1.340107	50	1.30695	50	1.335843	50	1.332851	50	1.318762
4-Bromofluorobenzene (Surr)	50	0.9042924	50	0.9115813	50	0.8446703	50	0.9062884	50	0.902757	50	0.8829179

INITIAL CALIBRATION DATA (Continued)

EPA 8260D

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Calibration: A0K1604
Instrument: VOA-GCMS9
Matrix:
Calibration Date: 11/16/20 10:17

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
Benzene	10	3.712699	20	3.759903	50	3.816795	100	3.794797	200	3.844822		
Toluene	10	1.392052	20	1.407594	50	1.406082	100	1.393619	200	1.410128		
Ethylbenzene	10	1.488835	20	1.502162	50	1.504968	100	1.509166	200	1.55083		
m,p-Xylene	20	1.088606	40	1.118717	100	1.130518	200	1.14725	400	1.190353		
o-Xylene	10	1.113551	20	1.147864	50	1.152273	100	1.159009	200	1.196066		
Xylenes, total	30	1.096921	60	1.128433	150	1.137769	300	1.15117	600	1.192257		
Chlorobenzene	10	0.8983997	20	0.9138747	50	0.9042854	100	0.9072984	200	0.9158299		
1,1-Dichloroethene	10	1.265684	20	1.293558	50	1.342794	100	1.320545	200	1.342358		
cis-1,2-Dichloroethene	10	1.234818	20	1.271233	50	1.298468	100	1.295705	200	1.299352		
Tetrachloroethene (PCE)	10	0.3422652	20	0.3520784	50	0.3523963	100	0.3508504	200	0.3711862		
Trichloroethene (TCE)	10	0.9852689	20	1.028434	50	1.037608	100	1.028962	200	1.054363		
Vinyl chloride	10	0.9860489	20	1.003172	50	1.15084	100	1.136338	200	1.12727		
1,4-Difluorobenzene (Surr)	50	3.108556	50	3.127803	50	3.172095	50	3.148335	50	3.175196		
Toluene-d8 (Surr)	50	1.312079	50	1.297002	50	1.297951	50	1.273209	50	1.269866		
4-Bromofluorobenzene (Surr)	50	0.8647	50	0.8515124	50	0.8283285	50	0.7979786	50	0.7906537		

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8260D

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Instrument ID:	VOA-GCMS9	Calibration:	A0K1604
Lab File ID:	VI20111320.D		
Sequence:	0K13048	Inject Date:	11/14/20
Lab Sample ID:	0K13048-ICV1	Inject Time:	03:32

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Benzene	20.0	20.4	2.0	70 - 130
Toluene	20.0	19.9	-0.6	70 - 130
Ethylbenzene	20.0	19.9	-0.6	70 - 130
m,p-Xylene	40.0	41.1	2.8	70 - 130
o-Xylene	20.0	21.0	4.9	70 - 130
Chlorobenzene	20.0	20.4	1.8	70 - 130
1,1-Dichloroethene	20.0	21.0	5.0	70 - 130
cis-1,2-Dichloroethene	20.0	20.4	2.0	70 - 130
Tetrachloroethene (PCE)	20.0	20.4	2.2	70 - 130
Trichloroethene (TCE)	20.0	20.3	1.6	70 - 130
Vinyl chloride	20.0	22.6	13.2	70 - 130

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8260D

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	0K13048	Instrument:	VOA-GCMS9
Matrix:	Water	Calibration:	A0K1604

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Initial Cal Check (0K13048-ICV1)				Lab File ID: VI20111320.D		Analyzed: 11/14/20 03:32		
1,4-Difluorobenzene (Surr)	50.0	100	70 - 130	6.71	6.712727	-0.0027	+/-1.0	
Toluene-d8 (Surr)	50.0	100	70 - 130	8.224	8.224455	-0.0005	+/-1.0	
4-Bromofluorobenzene (Surr)	50.0	97	70 - 130	10.919	10.91945	-0.0004	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8260D

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	0K16056	Instrument:	VOA-GCMS9
Matrix:	Water	Calibration:	A0K1604

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
LCS (0110532-BS1)			Lab File ID: VI20111602.D		Analyzed: 11/16/20 12:22			
1,4-Difluorobenzene (Surr)	50.0	101	80 - 120	6.71	6.712727	-0.0027	+/-1.0	
Toluene-d8 (Surr)	50.0	99	80 - 120	8.225	8.224455	0.0005	+/-1.0	
4-Bromofluorobenzene (Surr)	50.0	97	80 - 120	10.92	10.91945	0.0006	+/-1.0	
Blank (0110532-BLK1)			Lab File ID: VI20111604.D		Analyzed: 11/16/20 13:18			
1,4-Difluorobenzene (Surr)	50.0	100	80 - 120	6.71	6.712727	-0.0027	+/-1.0	
Toluene-d8 (Surr)	50.0	103	80 - 120	8.225	8.224455	0.0005	+/-1.0	
4-Bromofluorobenzene (Surr)	50.0	102	80 - 120	10.92	10.91945	0.0006	+/-1.0	
SC-TB-2011101216 (A0K0482-06)			Lab File ID: VI20111605.D		Analyzed: 11/16/20 13:46			
1,4-Difluorobenzene (Surr)	50.0	101	80 - 120	6.71	6.712727	-0.0027	+/-1.0	
Toluene-d8 (Surr)	50.0	103	80 - 120	8.224	8.224455	-0.0005	+/-1.0	
4-Bromofluorobenzene (Surr)	50.0	103	80 - 120	10.919	10.91945	-0.0004	+/-1.0	

INTERNAL STANDARD AREA AND RT SUMMARY
EPA 8260D

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	0K16056	Instrument:	VOA-GCMS9
Matrix:	Water	Calibration:	A0K1604

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
LCS (0110532-BS1)			Lab File ID: VI20111602.D			Analyzed: 11/16/20 12:22			
Pentafluorobenzene (ISTD)	83516	6.144	83516	6.144	100	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (ISTD)	226760	9.855	226760	9.855	100	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4 (ISTD)	106541	11.802	106541	11.802	100	50 - 200	0.0000	+/-0.50	
Calibration Check (0K16056-CCV1)			Lab File ID: VI20111602.D			Analyzed: 11/16/20 12:22			
Pentafluorobenzene (ISTD)	83516	6.144	89364	6.15	93	50 - 200	-0.0060	+/-0.50	
Chlorobenzene-d5 (ISTD)	226760	9.855	243291	9.855	93	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4 (ISTD)	106541	11.802	114124	11.802	93	50 - 200	0.0000	+/-0.50	
Blank (0110532-BLK1)			Lab File ID: VI20111604.D			Analyzed: 11/16/20 13:18			
Pentafluorobenzene (ISTD)	78610	6.15	83516	6.144	94	50 - 200	0.0060	+/-0.50	
Chlorobenzene-d5 (ISTD)	205188	9.855	226760	9.855	90	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4 (ISTD)	87439	11.802	106541	11.802	82	50 - 200	0.0000	+/-0.50	
SC-TB-2011101216 (A0K0482-06)			Lab File ID: VI20111605.D			Analyzed: 11/16/20 13:46			
Pentafluorobenzene (ISTD)	79676	6.15	83516	6.144	95	50 - 200	0.0060	+/-0.50	
Chlorobenzene-d5 (ISTD)	206708	9.855	226760	9.855	91	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4 (ISTD)	86762	11.802	106541	11.802	81	50 - 200	0.0000	+/-0.50	
Matrix Spike (0110532-MS1)			Lab File ID: VI20111611.D			Analyzed: 11/16/20 16:36			
Pentafluorobenzene (ISTD)	78359	6.144	83516	6.144	94	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (ISTD)	215635	9.855	226760	9.855	95	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4 (ISTD)	101028	11.802	106541	11.802	95	50 - 200	0.0000	+/-0.50	
Duplicate (0110532-DUP1)			Lab File ID: VI20111616.D			Analyzed: 11/16/20 18:53			
Pentafluorobenzene (ISTD)	73076	6.15	83516	6.144	87	50 - 200	0.0060	+/-0.50	
Chlorobenzene-d5 (ISTD)	193281	9.855	226760	9.855	85	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4 (ISTD)	80581	11.801	106541	11.802	76	50 - 200	-0.0010	+/-0.50	

HOLDING TIME SUMMARY

EPA 8260D

Laboratory: Apex Laboratories SDG: A0K0482

Client: Anchor QEA, LLC Project: US Moorings -- C2, C3, C4

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
SC-TB-2011101216	11/10/20 12:16	11/11/20 13:30	11/16/20 10:13	5.91	14.00	11/16/20 13:46	6.06	14.00	

Apex Laboratories

SDG: A0K0482

CLASS: GCMS

METHOD: 5035A/8260D

ANALYSES DATA PACKAGE COVER PAGE

5035A/8260D

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4

Client Sample Id:	Lab Sample Id:	Matrix
USMPDI-003SC-B-00-02-201110	A0K0482-07	SE
USMPDI-003SC-B-02-04-201110	A0K0482-08	SE
USMPDI-003SC-B-04-06-201110	A0K0482-09	SE
USMPDI-003SC-B-06-08-201110	A0K0482-10	SE
USMPDI-006SC-D-00-02-201110	A0K0482-15	SE
USMPDI-006SC-D-02-04-201110	A0K0482-16	SE
USMPDI-006SC-D-04-06-201110	A0K0482-17	SE
USMPDI-006SC-D-06-08-201110	A0K0482-18	SE
USMPDI-006SC-D-08-10-201110	A0K0482-19	SE
USMPDI-006SC-D-10-12-201110	A0K0482-20	SE
USMPDI-006SC-D-12-14-201110	A0K0482-21	SE
USMPDI-1006SC-D-10-12-201110	A0K0482-22	SE

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in computer-readable data submitted on diskette has been autorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures.

Signature: 
Name: David G. Jack

Forms Created: 2/3/2021 11:44AM
Title: Technical Manager

METHOD DETECTION AND REPORTING LIMITS

5035A/8260D

Laboratory: Apex Laboratories **SDG:** A0K0482

Client: Anchor QEA, LLC **Project:** US Moorings -- C2, C3, C4

Batch Matrix: Soil

Analyte	MDL	MRL	Units
Benzene	5.00	10.0	ug/kg
Toluene	25.0	50.0	ug/kg
Ethylbenzene	12.5	25.0	ug/kg
m,p-Xylene	25.0	50.0	ug/kg
o-Xylene	12.5	25.0	ug/kg
Chlorobenzene	12.5	25.0	ug/kg
1,1-Dichloroethene	12.5	25.0	ug/kg
cis-1,2-Dichloroethene	12.5	25.0	ug/kg
Tetrachloroethene (PCE)	12.5	25.0	ug/kg
Trichloroethene (TCE)	12.5	25.0	ug/kg
Vinyl chloride	12.5	25.0	ug/kg

Note: MDLs are listed only if the corresponding analyte was evalutated to the MDL in this report .

ORGANIC ANALYSIS DATA SHEET

5035A/8260D

USMPDI-003SC-B-00-02-201110

Laboratory:	Apex Laboratories			SDG:	A0K0482
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	SE	Laboratory ID:	A0K0482-07	File ID:	VK20111822.D
Sampled:	11/10/20 11:55	Prepared:	11/10/20 11:55	Analyzed:	11/18/20 18:41
		Preparation:	EPA 5035A	Initial/Final:	5.75 g / 5 mL

Batch: 0110632 Sequence: 0K18045 Calibration: A0K1605 Instrument: VOA-GCMS11

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg wet)	Q
71-43-2	Benzene	50	4.35	U
108-88-3	Toluene	50	21.7	U
100-41-4	Ethylbenzene	50	10.9	U
179601-23-1	m,p-Xylene	50	21.7	U
95-47-6	o-Xylene	50	10.9	U
108-90-7	Chlorobenzene	50	10.9	U
75-35-4	1,1-Dichloroethene	50	10.9	U
156-59-2	cis-1,2-Dichloroethene	50	10.9	U
127-18-4	Tetrachloroethene (PCE)	50	10.9	U
79-01-6	Trichloroethene (TCE)	50	10.9	U
75-01-4	Vinyl chloride	50	10.9	U

SYSTEM MONITORING COMPOUND	ADDED (ng/mL)	CONC (ng/mL)	% REC	QC LIMITS	Q
1,4-Difluorobenzene (Surr)	50.0	48.9	98	80 - 120	
Toluene-d8 (Surr)	50.0	48.8	98	80 - 120	
4-Bromofluorobenzene (Surr)	50.0	48.7	97	79 - 120	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (ISTD)	238826	6.127	261295	6.126	
Chlorobenzene-d5 (ISTD)	664529	9.838	701659	9.837	
1,4-Dichlorobenzene-d4 (ISTD)	295828	11.794	297793	11.798	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

5035A/8260D

USMPDI-003SC-B-02-04-201110

Laboratory:	Apex Laboratories			SDG:	A0K0482
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	SE	Laboratory ID:	A0K0482-08	File ID:	VK20111823.D
Sampled:	11/10/20 11:55	Prepared:	11/10/20 11:55	Analyzed:	11/18/20 19:08
Solids:	78.77	Preparation:	EPA 5035A	Initial/Final:	5.18 g / 5 mL
Batch:	0110632	Sequence:	0K18045	Calibration:	A0K1605
Instrument:	VOA-GCMS11				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
71-43-2	Benzene	50	7.47	U
108-88-3	Toluene	50	37.4	U
100-41-4	Ethylbenzene	50	18.7	U
179601-23-1	m,p-Xylene	50	37.4	U
95-47-6	o-Xylene	50	18.7	U
108-90-7	Chlorobenzene	50	18.7	U
75-35-4	1,1-Dichloroethene	50	18.7	U
156-59-2	cis-1,2-Dichloroethene	50	18.7	U
127-18-4	Tetrachloroethene (PCE)	50	18.7	U
79-01-6	Trichloroethene (TCE)	50	18.7	U
75-01-4	Vinyl chloride	50	18.7	U

SYSTEM MONITORING COMPOUND	ADDED (ng/mL)	CONC (ng/mL)	% REC	QC LIMITS	Q
1,4-Difluorobenzene (Surr)	50.0	48.7	97	80 - 120	
Toluene-d8 (Surr)	50.0	49.4	99	80 - 120	
4-Bromofluorobenzene (Surr)	50.0	48.6	97	79 - 120	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (ISTD)	239973	6.127	261295	6.126	
Chlorobenzene-d5 (ISTD)	648798	9.838	701659	9.837	
1,4-Dichlorobenzene-d4 (ISTD)	282381	11.798	297793	11.798	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

5035A/8260D

USMPDI-003SC-B-04-06-201110

Laboratory:	Apex Laboratories			SDG:	A0K0482
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	SE	Laboratory ID:	A0K0482-09	File ID:	VK20111824.D
Sampled:	11/10/20 11:55	Prepared:	11/10/20 11:55	Analyzed:	11/18/20 19:35
Solids:	78.61	Preparation:	EPA 5035A	Initial/Final:	5.76 g / 5 mL
Batch:	0110632	Sequence:	0K18045	Calibration:	A0K1605
Instrument:	VOA-GCMS11				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
71-43-2	Benzene	50	6.88	U
108-88-3	Toluene	50	34.4	U
100-41-4	Ethylbenzene	50	17.2	U
179601-23-1	m,p-Xylene	50	34.4	U
95-47-6	o-Xylene	50	17.2	U
108-90-7	Chlorobenzene	50	17.2	U
75-35-4	1,1-Dichloroethene	50	17.2	U
156-59-2	cis-1,2-Dichloroethene	50	17.2	U
127-18-4	Tetrachloroethene (PCE)	50	17.2	U
79-01-6	Trichloroethene (TCE)	50	17.2	U
75-01-4	Vinyl chloride	50	17.2	U

SYSTEM MONITORING COMPOUND	ADDED (ng/mL)	CONC (ng/mL)	% REC	QC LIMITS	Q
1,4-Difluorobenzene (Surr)	50.0	47.6	95	80 - 120	
Toluene-d8 (Surr)	50.0	49.4	99	80 - 120	
4-Bromofluorobenzene (Surr)	50.0	48.5	97	79 - 120	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (ISTD)	222593	6.126	261295	6.126	
Chlorobenzene-d5 (ISTD)	590000	9.838	701659	9.837	
1,4-Dichlorobenzene-d4 (ISTD)	258174	11.794	297793	11.798	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

5035A/8260D

USMPDI-003SC-B-06-08-201110

Laboratory:	Apex Laboratories			SDG:	A0K0482
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	SE	Laboratory ID:	A0K0482-10	File ID:	VK20111825.D
Sampled:	11/10/20 11:55	Prepared:	11/10/20 11:55	Analyzed:	11/18/20 20:02
Solids:	83.31	Preparation:	EPA 5035A	Initial/Final:	4.99 g / 5 mL
Batch:	0110632	Sequence:	0K18045	Calibration:	A0K1605
Instrument:	VOA-GCMS11				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
71-43-2	Benzene	50	7.02	U
108-88-3	Toluene	50	35.1	U
100-41-4	Ethylbenzene	50	17.5	U
179601-23-1	m,p-Xylene	50	35.1	U
95-47-6	o-Xylene	50	17.5	U
108-90-7	Chlorobenzene	50	17.5	U
75-35-4	1,1-Dichloroethene	50	17.5	U
156-59-2	cis-1,2-Dichloroethene	50	17.5	U
127-18-4	Tetrachloroethene (PCE)	50	17.5	U
79-01-6	Trichloroethene (TCE)	50	17.5	U
75-01-4	Vinyl chloride	50	17.5	U

SYSTEM MONITORING COMPOUND	ADDED (ng/mL)	CONC (ng/mL)	% REC	QC LIMITS	Q
1,4-Difluorobenzene (Surr)	50.0	47.5	95	80 - 120	
Toluene-d8 (Surr)	50.0	49.2	98	80 - 120	
4-Bromofluorobenzene (Surr)	50.0	48.6	97	79 - 120	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (ISTD)	227492	6.126	261295	6.126	
Chlorobenzene-d5 (ISTD)	603012	9.838	701659	9.837	
1,4-Dichlorobenzene-d4 (ISTD)	263926	11.794	297793	11.798	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

5035A/8260D

USMPDI-006SC-D-00-02-201110

Laboratory:	Apex Laboratories			SDG:	A0K0482
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	SE	Laboratory ID:	A0K0482-15	File ID:	VK20111826.D
Sampled:	11/10/20 09:05	Prepared:	11/10/20 09:05	Analyzed:	11/18/20 20:29
Solids:	56.97	Preparation:	EPA 5035A	Initial/Final:	4.49 g / 5 mL
Batch:	0110632	Sequence:	0K18045	Calibration:	A0K1605
Instrument:	VOA-GCMS11				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
71-43-2	Benzene	50	13.6	U
108-88-3	Toluene	50	67.8	U
100-41-4	Ethylbenzene	50	33.9	U
179601-23-1	m,p-Xylene	50	67.8	U
95-47-6	o-Xylene	50	33.9	U
108-90-7	Chlorobenzene	50	33.9	U
75-35-4	1,1-Dichloroethene	50	33.9	U
156-59-2	cis-1,2-Dichloroethene	50	33.9	U
127-18-4	Tetrachloroethene (PCE)	50	33.9	U
79-01-6	Trichloroethene (TCE)	50	33.9	U
75-01-4	Vinyl chloride	50	33.9	U

SYSTEM MONITORING COMPOUND	ADDED (ng/mL)	CONC (ng/mL)	% REC	QC LIMITS	Q
1,4-Difluorobenzene (Surr)	50.0	46.3	93	80 - 120	
Toluene-d8 (Surr)	50.0	48.8	98	80 - 120	
4-Bromofluorobenzene (Surr)	50.0	49.2	98	79 - 120	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (ISTD)	219257	6.127	261295	6.126	
Chlorobenzene-d5 (ISTD)	579032	9.838	701659	9.837	
1,4-Dichlorobenzene-d4 (ISTD)	253892	11.798	297793	11.798	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

5035A/8260D

USMPDI-006SC-D-02-04-201110

Laboratory:	Apex Laboratories		SDG:	A0K0482	
Client:	Anchor QEA, LLC		Project:	US Moorings -- C2, C3, C4	
Matrix:	SE	Laboratory ID:	A0K0482-16RE1	File ID:	VF20111921.D
Sampled:	11/10/20 09:05	Prepared:	11/10/20 09:05	Analyzed:	11/20/20 00:16
Solids:	77.04	Preparation:	EPA 5035A	Initial/Final:	6 g / 5 mL
Batch:	0110717	Sequence:	0K19062	Calibration:	A0K1904
Instrument:	VOA-GCMS6				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
71-43-2	Benzene	50	6.90	U
108-88-3	Toluene	50	34.5	U
100-41-4	Ethylbenzene	50	17.2	U
179601-23-1	m,p-Xylene	50	34.5	U
95-47-6	o-Xylene	50	17.2	U
108-90-7	Chlorobenzene	50	17.2	U
75-35-4	1,1-Dichloroethene	50	17.2	U
156-59-2	cis-1,2-Dichloroethene	50	17.2	U
127-18-4	Tetrachloroethene (PCE)	50	17.2	U
79-01-6	Trichloroethene (TCE)	50	17.2	U
75-01-4	Vinyl chloride	50	17.2	U

SYSTEM MONITORING COMPOUND	ADDED (ng/mL)	CONC (ng/mL)	% REC	QC LIMITS	Q
1,4-Difluorobenzene (Surr)	50.0	54.1	108	80 - 120	
Toluene-d8 (Surr)	50.0	50.3	101	80 - 120	
4-Bromofluorobenzene (Surr)	50.0	50.5	101	79 - 120	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (ISTD)	98046	6.018	70239	6.018	
Chlorobenzene-d5 (ISTD)	284636	9.74	197018	9.739	
1,4-Dichlorobenzene-d4 (ISTD)	126850	11.692	93994	11.692	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

5035A/8260D

USMPDI-006SC-D-04-06-201110

Laboratory:	Apex Laboratories			SDG:	A0K0482
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	SE	Laboratory ID:	A0K0482-17RE1	File ID:	VF20111922.D
Sampled:	11/10/20 09:05	Prepared:	11/10/20 09:05	Analyzed:	11/20/20 00:43
Solids:	81.62	Preparation:	EPA 5035A	Initial/Final:	5.37 g / 5 mL
Batch:	0110717	Sequence:	0K19062	Calibration:	A0K1904
Instrument:	VOA-GCMS6				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
71-43-2	Benzene	50	6.83	U
108-88-3	Toluene	50	34.2	U
100-41-4	Ethylbenzene	50	17.1	U
179601-23-1	m,p-Xylene	50	34.2	U
95-47-6	o-Xylene	50	17.1	U
108-90-7	Chlorobenzene	50	17.1	U
75-35-4	1,1-Dichloroethene	50	17.1	U
156-59-2	cis-1,2-Dichloroethene	50	17.1	U
127-18-4	Tetrachloroethene (PCE)	50	17.1	U
79-01-6	Trichloroethene (TCE)	50	17.1	U
75-01-4	Vinyl chloride	50	17.1	U

SYSTEM MONITORING COMPOUND	ADDED (ng/mL)	CONC (ng/mL)	% REC	QC LIMITS	Q
1,4-Difluorobenzene (Surr)	50.0	54.2	108	80 - 120	
Toluene-d8 (Surr)	50.0	49.9	100	80 - 120	
4-Bromofluorobenzene (Surr)	50.0	50.6	101	79 - 120	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (ISTD)	99075	6.019	70239	6.018	
Chlorobenzene-d5 (ISTD)	289968	9.734	197018	9.739	
1,4-Dichlorobenzene-d4 (ISTD)	128972	11.693	93994	11.692	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

5035A/8260D

USMPDI-006SC-D-06-08-201110

Laboratory:	Apex Laboratories			SDG:	A0K0482
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	SE	Laboratory ID:	A0K0482-18RE1	File ID:	VF20111923.D
Sampled:	11/10/20 09:05	Prepared:	11/10/20 09:05	Analyzed:	11/20/20 01:10
Solids:	79.00	Preparation:	EPA 5035A	Initial/Final:	4.72 g / 5 mL
Batch:	0110717	Sequence:	0K19062	Calibration:	A0K1904
Instrument:	VOA-GCMS6				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
71-43-2	Benzene	50	8.03	U
108-88-3	Toluene	50	40.2	U
100-41-4	Ethylbenzene	50	20.1	U
179601-23-1	m,p-Xylene	50	40.2	U
95-47-6	o-Xylene	50	20.1	U
108-90-7	Chlorobenzene	50	20.1	U
75-35-4	1,1-Dichloroethene	50	20.1	U
156-59-2	cis-1,2-Dichloroethene	50	20.1	U
127-18-4	Tetrachloroethene (PCE)	50	20.1	U
79-01-6	Trichloroethene (TCE)	50	20.1	U
75-01-4	Vinyl chloride	50	20.1	U

SYSTEM MONITORING COMPOUND	ADDED (ng/mL)	CONC (ng/mL)	% REC	QC LIMITS	Q
1,4-Difluorobenzene (Surr)	50.0	54.7	109	80 - 120	
Toluene-d8 (Surr)	50.0	50.2	100	80 - 120	
4-Bromofluorobenzene (Surr)	50.0	50.5	101	79 - 120	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (ISTD)	96454	6.019	70239	6.018	
Chlorobenzene-d5 (ISTD)	283527	9.735	197018	9.739	
1,4-Dichlorobenzene-d4 (ISTD)	126215	11.693	93994	11.692	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

5035A/8260D

USMPDI-006SC-D-08-10-201110

Laboratory:	Apex Laboratories			SDG:	A0K0482
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	SE	Laboratory ID:	A0K0482-19RE1	File ID:	VF20111924.D
Sampled:	11/10/20 09:05	Prepared:	11/10/20 09:05	Analyzed:	11/20/20 01:37
Solids:	75.87	Preparation:	EPA 5035A	Initial/Final:	5.36 g / 5 mL
Batch:	0110717	Sequence:	0K19062	Calibration:	A0K1904
Instrument:	VOA-GCMS6				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
71-43-2	Benzene	50	7.74	U
108-88-3	Toluene	50	38.7	U
100-41-4	Ethylbenzene	50	19.3	U
179601-23-1	m,p-Xylene	50	38.7	U
95-47-6	o-Xylene	50	19.3	U
108-90-7	Chlorobenzene	50	19.3	U
75-35-4	1,1-Dichloroethene	50	19.3	U
156-59-2	cis-1,2-Dichloroethene	50	19.3	U
127-18-4	Tetrachloroethene (PCE)	50	19.3	U
79-01-6	Trichloroethene (TCE)	50	19.3	U
75-01-4	Vinyl chloride	50	19.3	U

SYSTEM MONITORING COMPOUND	ADDED (ng/mL)	CONC (ng/mL)	% REC	QC LIMITS	Q
1,4-Difluorobenzene (Surr)	50.0	54.6	109	80 - 120	
Toluene-d8 (Surr)	50.0	49.7	99	80 - 120	
4-Bromofluorobenzene (Surr)	50.0	50.3	101	79 - 120	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (ISTD)	94898	6.021	70239	6.018	
Chlorobenzene-d5 (ISTD)	280699	9.737	197018	9.739	
1,4-Dichlorobenzene-d4 (ISTD)	126516	11.689	93994	11.692	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

5035A/8260D

USMPDI-006SC-D-10-12-201110

Laboratory:	Apex Laboratories			SDG:	A0K0482
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	SE	Laboratory ID:	A0K0482-20RE1	File ID:	VF20111925.D
Sampled:	11/10/20 09:05	Prepared:	11/10/20 09:05	Analyzed:	11/20/20 02:04
Solids:	72.78	Preparation:	EPA 5035A	Initial/Final:	6.3 g / 5 mL
Batch:	0110717	Sequence:	0K19062	Calibration:	A0K1904
Instrument:	VOA-GCMS6				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
71-43-2	Benzene	50	7.32	U
108-88-3	Toluene	50	36.6	U
100-41-4	Ethylbenzene	50	18.3	U
179601-23-1	m,p-Xylene	50	36.6	U
95-47-6	o-Xylene	50	18.3	U
108-90-7	Chlorobenzene	50	18.3	U
75-35-4	1,1-Dichloroethene	50	18.3	U
156-59-2	cis-1,2-Dichloroethene	50	18.3	U
127-18-4	Tetrachloroethene (PCE)	50	18.3	U
79-01-6	Trichloroethene (TCE)	50	18.3	U
75-01-4	Vinyl chloride	50	18.3	U

SYSTEM MONITORING COMPOUND	ADDED (ng/mL)	CONC (ng/mL)	% REC	QC LIMITS	Q
1,4-Difluorobenzene (Surr)	50.0	54.2	108	80 - 120	
Toluene-d8 (Surr)	50.0	49.8	100	80 - 120	
4-Bromofluorobenzene (Surr)	50.0	50.5	101	79 - 120	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (ISTD)	92877	6.017	70239	6.018	
Chlorobenzene-d5 (ISTD)	271985	9.739	197018	9.739	
1,4-Dichlorobenzene-d4 (ISTD)	122559	11.691	93994	11.692	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

5035A/8260D

USMPDI-006SC-D-12-14-201110

Laboratory:	Apex Laboratories			SDG:	A0K0482
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	SE	Laboratory ID:	A0K0482-21	File ID:	VF20112015.D
Sampled:	11/10/20 09:05	Prepared:	11/10/20 09:05	Analyzed:	11/20/20 19:50
Solids:	73.57	Preparation:	EPA 5035A	Initial/Final:	5.81 g / 5 mL
Batch:	0110771	Sequence:	0K20044	Calibration:	A0K1904
Instrument:	VOA-GCMS6				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
71-43-2	Benzene	50	7.64	U
108-88-3	Toluene	50	38.2	U
100-41-4	Ethylbenzene	50	19.1	U
179601-23-1	m,p-Xylene	50	38.2	U
95-47-6	o-Xylene	50	19.1	U
108-90-7	Chlorobenzene	50	19.1	U
75-35-4	1,1-Dichloroethene	50	19.1	U
156-59-2	cis-1,2-Dichloroethene	50	19.1	U
127-18-4	Tetrachloroethene (PCE)	50	19.1	U
79-01-6	Trichloroethene (TCE)	50	19.1	U
75-01-4	Vinyl chloride	50	19.1	U

SYSTEM MONITORING COMPOUND	ADDED (ng/mL)	CONC (ng/mL)	% REC	QC LIMITS	Q
1,4-Difluorobenzene (Surr)	50.0	53.3	107	80 - 120	
Toluene-d8 (Surr)	50.0	49.7	99	80 - 120	
4-Bromofluorobenzene (Surr)	50.0	50.7	101	79 - 120	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (ISTD)	83433	6.021	90890	6.015	
Chlorobenzene-d5 (ISTD)	239253	9.736	267759	9.737	
1,4-Dichlorobenzene-d4 (ISTD)	109216	11.695	119119	11.695	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

5035A/8260D

USMPDI-1006SC-D-10-12-201110

Laboratory:	Apex Laboratories			SDG:	A0K0482
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	SE	Laboratory ID:	A0K0482-22	File ID:	VF20112013.D
Sampled:	11/10/20 09:05	Prepared:	11/10/20 09:05	Analyzed:	11/20/20 18:56
Solids:	73.78	Preparation:	EPA 5035A	Initial/Final:	5.76 g / 5 mL
Batch:	0110771	Sequence:	0K20044	Calibration:	A0K1904
Instrument:	VOA-GCMS6				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
71-43-2	Benzene	50	7.66	U
108-88-3	Toluene	50	38.3	U
100-41-4	Ethylbenzene	50	19.2	U
179601-23-1	m,p-Xylene	50	38.3	U
95-47-6	o-Xylene	50	19.2	U
108-90-7	Chlorobenzene	50	19.2	U
75-35-4	1,1-Dichloroethene	50	19.2	U
156-59-2	cis-1,2-Dichloroethene	50	19.2	U
127-18-4	Tetrachloroethene (PCE)	50	19.2	U
79-01-6	Trichloroethene (TCE)	50	19.2	U
75-01-4	Vinyl chloride	50	19.2	U

SYSTEM MONITORING COMPOUND	ADDED (ng/mL)	CONC (ng/mL)	% REC	QC LIMITS	Q
1,4-Difluorobenzene (Surr)	50.0	53.8	108	80 - 120	
Toluene-d8 (Surr)	50.0	50.0	100	80 - 120	
4-Bromofluorobenzene (Surr)	50.0	51.2	102	79 - 120	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (ISTD)	81362	6.021	90890	6.015	
Chlorobenzene-d5 (ISTD)	233320	9.737	267759	9.737	
1,4-Dichlorobenzene-d4 (ISTD)	103277	11.695	119119	11.695	

* Values outside of QC limits

PREPARATION BATCH SUMMARY

5035A/8260D

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Batch: 0110632 Batch Matrix: Soil Preparation: EPA 5035A

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	0110632-BLK1	VK20111805.D	11/18/20 09:00	
LCS	0110632-BS1	VK20111803.D	11/18/20 09:00	
USMPDI-003SC-B-00-02-201110	A0K0482-07	VK20111822.D	11/10/20 11:55	
USMPDI-003SC-B-02-04-201110	A0K0482-08	VK20111823.D	11/10/20 11:55	
USMPDI-003SC-B-04-06-201110	A0K0482-09	VK20111824.D	11/10/20 11:55	
USMPDI-003SC-B-06-08-201110	A0K0482-10	VK20111825.D	11/10/20 11:55	
USMPDI-006SC-D-00-02-201110	A0K0482-15	VK20111826.D	11/10/20 09:05	

Note: Client samples are listed only if they are included in this report.
Duplicates and Matrix Spike/Duplicates QC Samples are only listed if sourced from a sample included in this report.

PREPARATION BATCH SUMMARY

5035A/8260D

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Batch: 0110717 Batch Matrix: Soil Preparation: EPA 5035A

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	0110717-BLK1	VF20111906.D	11/19/20 09:00	
LCS	0110717-BS1	VF20111903.D	11/19/20 09:00	
USMPDI-006SC-D-02-04-201110	A0K0482-16RE1	VF20111921.D	11/10/20 09:05	
USMPDI-006SC-D-04-06-201110	A0K0482-17RE1	VF20111922.D	11/10/20 09:05	
USMPDI-006SC-D-06-08-201110	A0K0482-18RE1	VF20111923.D	11/10/20 09:05	
USMPDI-006SC-D-08-10-201110	A0K0482-19RE1	VF20111924.D	11/10/20 09:05	
USMPDI-006SC-D-10-12-201110	A0K0482-20RE1	VF20111925.D	11/10/20 09:05	

Note: Client samples are listed only if they are included in this report.
Duplicates and Matrix Spike/Duplicates QC Samples are only listed if sourced from a sample included in this report.

PREPARATION BATCH SUMMARY

5035A/8260D

Laboratory: Apex Laboratories SDG: A0K0482

Client: Anchor QEA, LLC Project: US Moorings -- C2, C3, C4

Batch: 0110771 Batch Matrix: Soil Preparation: EPA 5035A

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	0110771-BLK1	VF20112006.D	11/20/20 09:00	
LCS	0110771-BS1	VF20112003.D	11/20/20 09:00	
USMPDI-1006SC-D-10-12-201110 (	0110771-DUP1	VF20112014.D	11/10/20 09:05	
USMPDI-006SC-D-12-14-201110 (M	0110771-MS1	VF20112016.D	11/10/20 09:05	
USMPDI-006SC-D-12-14-201110 (M	0110771-MSD1	VF20112017.D	11/10/20 09:05	
USMPDI-006SC-D-12-14-201110	A0K0482-21	VF20112015.D	11/10/20 09:05	
USMPDI-1006SC-D-10-12-201110	A0K0482-22	VF20112013.D	11/10/20 09:05	

Note: Client samples are listed only if they are included in this report.
Duplicates and Matrix Spike/Duplicates QC Samples are only listed if sourced from a sample included in this report.

METHOD BLANK DATA SHEET
5035A/8260D

Laboratory:	Apex Laboratories			SDG:	A0K0482
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	Soil	Laboratory ID:	0110632-BLK1	File ID:	VK20111805.D
Prepared:	11/18/20 09:00	Preparation:	EPA 5035A	Initial/Final:	7.5 g / 5 mL
Analyzed:	11/18/20 10:57	Instrument:	VOA-GCMS11		
Batch:	0110632	Sequence:	0K18045	Calibration:	A0K1605

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
71-43-2	Benzene	3.33	U
108-88-3	Toluene	16.7	U
100-41-4	Ethylbenzene	8.33	U
179601-23-1	m,p-Xylene	16.7	U
95-47-6	o-Xylene	8.33	U
108-90-7	Chlorobenzene	8.33	U
75-35-4	1,1-Dichloroethene	8.33	U
156-59-2	cis-1,2-Dichloroethene	8.33	U
127-18-4	Tetrachloroethene (PCE)	8.33	U
79-01-6	Trichloroethene (TCE)	8.33	U
75-01-4	Vinyl chloride	8.33	U

SYSTEM MONITORING COMPOUND	ADDED (ng/mL)	CONC (ng/mL)	% REC	QC LIMITS	Q
1,4-Difluorobenzene (Surr)	50.0	47.9	96	80 - 120	
Toluene-d8 (Surr)	50.0	49.4	99	80 - 120	
4-Bromofluorobenzene (Surr)	50.0	49.0	98	79 - 120	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (ISTD)	241706	6.127	261295	6.126	
Chlorobenzene-d5 (ISTD)	646593	9.838	701659	9.837	
1,4-Dichlorobenzene-d4 (ISTD)	281263	11.794	297793	11.798	

METHOD BLANK DATA SHEET
5035A/8260D

Laboratory:	Apex Laboratories			SDG:	A0K0482
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	Soil	Laboratory ID:	0110717-BLK1	File ID:	VF20111906.D
Prepared:	11/19/20 09:00	Preparation:	EPA 5035A	Initial/Final:	7.5 g / 5 mL
Analyzed:	11/19/20 17:31	Instrument:	VOA-GCMS6		
Batch:	0110717	Sequence:	0K19062	Calibration:	A0K1904

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
71-43-2	Benzene	3.33	U
108-88-3	Toluene	16.7	U
100-41-4	Ethylbenzene	8.33	U
179601-23-1	m,p-Xylene	16.7	U
95-47-6	o-Xylene	8.33	U
108-90-7	Chlorobenzene	8.33	U
75-35-4	1,1-Dichloroethene	8.33	U
156-59-2	cis-1,2-Dichloroethene	8.33	U
127-18-4	Tetrachloroethene (PCE)	8.33	U
79-01-6	Trichloroethene (TCE)	8.33	U
75-01-4	Vinyl chloride	8.33	U

SYSTEM MONITORING COMPOUND	ADDED (ng/mL)	CONC (ng/mL)	% REC	QC LIMITS	Q
1,4-Difluorobenzene (Surr)	50.0	50.9	102	80 - 120	
Toluene-d8 (Surr)	50.0	49.9	100	80 - 120	
4-Bromofluorobenzene (Surr)	50.0	51.2	102	79 - 120	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (ISTD)	65587	6.018	70239	6.018	
Chlorobenzene-d5 (ISTD)	179284	9.734	197018	9.739	
1,4-Dichlorobenzene-d4 (ISTD)	81678	11.692	93994	11.692	

METHOD BLANK DATA SHEET
5035A/8260D

Laboratory:	Apex Laboratories			SDG:	A0K0482
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	Soil	Laboratory ID:	0110771-BLK1	File ID:	VF20112006.D
Prepared:	11/20/20 09:00	Preparation:	EPA 5035A	Initial/Final:	7.5 g / 5 mL
Analyzed:	11/20/20 15:47	Instrument:	VOA-GCMS6		
Batch:	0110771	Sequence:	0K20044	Calibration:	A0K1904

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
71-43-2	Benzene	3.33	U
108-88-3	Toluene	16.7	U
100-41-4	Ethylbenzene	8.33	U
179601-23-1	m,p-Xylene	16.7	U
95-47-6	o-Xylene	8.33	U
108-90-7	Chlorobenzene	8.33	U
75-35-4	1,1-Dichloroethene	8.33	U
156-59-2	cis-1,2-Dichloroethene	8.33	U
127-18-4	Tetrachloroethene (PCE)	8.33	U
79-01-6	Trichloroethene (TCE)	8.33	U
75-01-4	Vinyl chloride	8.33	U

SYSTEM MONITORING COMPOUND	ADDED (ng/mL)	CONC (ng/mL)	% REC	QC LIMITS	Q
1,4-Difluorobenzene (Surr)	50.0	53.7	107	80 - 120	
Toluene-d8 (Surr)	50.0	49.7	99	80 - 120	
4-Bromofluorobenzene (Surr)	50.0	51.0	102	79 - 120	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Pentafluorobenzene (ISTD)	87027	6.018	90890	6.015	
Chlorobenzene-d5 (ISTD)	251319	9.74	267759	9.737	
1,4-Dichlorobenzene-d4 (ISTD)	109665	11.692	119119	11.695	

LCS / LCS DUPLICATE RECOVERY

5035A/8260D

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Matrix:	Soil		
Batch:	0110632	Laboratory ID:	0110632-BS1
Preparation:	EPA 5035A	Initial/Final:	5 g / 5 mL

COMPOUND	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC. (*=Out)	QC LIMITS REC.
Benzene	1000	956	96	80 - 120
Toluene	1000	961	96	80 - 120
Ethylbenzene	1000	978	98	80 - 120
m,p-Xylene	2000	1950	98	80 - 120
o-Xylene	1000	952	95	80 - 120
Chlorobenzene	1000	979	98	80 - 120
1,1-Dichloroethene	1000	1110	111	80 - 120
cis-1,2-Dichloroethene	1000	977	98	80 - 120
Tetrachloroethene (PCE)	1000	1010	101	80 - 120
Trichloroethene (TCE)	1000	994	99	80 - 120
Vinyl chloride	1000	1010	101	80 - 120

* = Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

5035A/8260D

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Matrix:	Soil		
Batch:	0110717	Laboratory ID:	0110717-BS1
Preparation:	EPA 5035A	Initial/Final:	5 g / 5 mL

COMPOUND	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC. (*=Out)	QC LIMITS REC.
Benzene	1000	964	96	80 - 120
Toluene	1000	932	93	80 - 120
Ethylbenzene	1000	1040	104	80 - 120
m,p-Xylene	2000	2090	104	80 - 120
o-Xylene	1000	1060	106	80 - 120
Chlorobenzene	1000	983	98	80 - 120
1,1-Dichloroethene	1000	970	97	80 - 120
cis-1,2-Dichloroethene	1000	1010	101	80 - 120
Tetrachloroethene (PCE)	1000	1060	106	80 - 120
Trichloroethene (TCE)	1000	1070	107	80 - 120
Vinyl chloride	1000	880	88	80 - 120

* = Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

5035A/8260D

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Matrix:	Soil		
Batch:	0110771	Laboratory ID:	0110771-BS1
Preparation:	EPA 5035A	Initial/Final:	5 g / 5 mL

COMPOUND	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC. (*=Out)	QC LIMITS REC.
Benzene	1000	1010	101	80 - 120
Toluene	1000	901	90	80 - 120
Ethylbenzene	1000	965	96	80 - 120
m,p-Xylene	2000	1950	98	80 - 120
o-Xylene	1000	995	100	80 - 120
Chlorobenzene	1000	934	93	80 - 120
1,1-Dichloroethene	1000	986	99	80 - 120
cis-1,2-Dichloroethene	1000	1030	103	80 - 120
Tetrachloroethene (PCE)	1000	996	100	80 - 120
Trichloroethene (TCE)	1000	1070	107	80 - 120
Vinyl chloride	1000	1030	103	80 - 120

* = Values outside of QC limits

DUPLICATES

USMPDI-1006SC-D-10-12-201110

5035A/8260D

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Matrix: Soil
Laboratory ID: 0110771-DUP1
Batch: 0110771
Lab Source ID: A0K0482-22
Preparation: EPA 5035A
Initial/Final: 4.9 g / 5 mL
Source Sample Name: USMPDI-1006SC-D-10-12-201110
% Solids: 73.78

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (ug/kg dry)	C	DUPLICATE CONCENTRATION (ug/kg dry)	C	RPD %	Q	METHOD
Benzene	30	0.00		ND				5035A/8260D
Toluene	30	12.1		99.7		200	*	5035A/8260D
Ethylbenzene	30	0.00		30.3		200	*	5035A/8260D
m,p-Xylene	30	18.2		101		200	*	5035A/8260D
o-Xylene	30	0.00		34.7		200	*	5035A/8260D
Chlorobenzene	30	0.00		ND				5035A/8260D
1,1-Dichloroethene	30	0.00		ND				5035A/8260D
cis-1,2-Dichloroethene	30	0.00		ND				5035A/8260D
Tetrachloroethene (PCE)	30	0.00		ND				5035A/8260D
Trichloroethene (TCE)	30	0.00		ND				5035A/8260D
Vinyl chloride	30	0.00		ND				5035A/8260D

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

5035A/8260D

USMPDI-006SC-D-12-14-201110

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Matrix:	Soil		
Batch:	0110771	Laboratory ID:	0110771-MS1
Preparation:	EPA 5035A	Initial/Final:	5.81 g / 5 mL

Source Sample Name: USMPDI-006SC-D-12-14-201110

COMPOUND	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC. (*=Out)	QC LIMITS REC.
Benzene	1530	ND	1640	107	77 - 121
Toluene	1530	ND	1480	97	77 - 121
Ethylbenzene	1530	ND	1600	105	76 - 122
m,p-Xylene	3060	ND	3250	106	77 - 124
o-Xylene	1530	ND	1640	107	77 - 123
Chlorobenzene	1530	ND	1570	103	79 - 120
1,1-Dichloroethene	1530	ND	1610	105	70 - 131
cis-1,2-Dichloroethene	1530	ND	1670	109	77 - 123
Tetrachloroethene (PCE)	1530	ND	1660	108	73 - 128
Trichloroethene (TCE)	1530	ND	1770	116	77 - 123
Vinyl chloride	1530	ND	1580	103	56 - 135

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

5035A/8260D

USMPDI-006SC-D-12-14-201110

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Matrix:	Soil		
Batch:	0110771	Laboratory ID:	0110771-MSD1
Preparation:	EPA 5035A	Initial/Final:	5.81 g / 5 mL

Source Sample Name: USMPDI-006SC-D-12-14-201110

COMPOUND	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % RECOVERY	% RPD	QC LIMITS RPD	QC LIMITS REC.
Benzene	1530	1550	102	6	30	77 - 121
Toluene	1530	1420	93	4	30	77 - 121
Ethylbenzene	1530	1530	100	4	30	76 - 122
m,p-Xylene	3060	3110	102	4	30	77 - 124
o-Xylene	1530	1600	105	2	30	77 - 123
Chlorobenzene	1530	1490	98	5	30	79 - 120
1,1-Dichloroethene	1530	1530	100	5	30	70 - 131
cis-1,2-Dichloroethene	1530	1580	104	5	30	77 - 123
Tetrachloroethene (PCE)	1530	1590	104	4	30	73 - 128
Trichloroethene (TCE)	1530	1700	111	4	30	77 - 123
Vinyl chloride	1530	1480	97	6	30	56 - 135

ANALYSIS BATCH (SEQUENCE) SUMMARY

5035A/8260D

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	0K14006	Instrument:	VOA-GCMS11
Matrix:	Soil	Calibration:	A0K1605

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	0K14006-TUN1	VK20111406.D	11/14/20 17:58
Initial Cal Blank	0K14006-ICB1	VK20111407.D	11/14/20 18:26
Cal Standard	0K14006-CAL1	VK20111408.D	11/14/20 18:53
Cal Standard	0K14006-CAL2	VK20111409.D	11/14/20 19:20
Cal Standard	0K14006-CAL3	VK20111410.D	11/14/20 19:47
Cal Standard	0K14006-CAL4	VK20111411.D	11/14/20 20:15
Cal Standard	0K14006-CAL5	VK20111412.D	11/14/20 20:42
Cal Standard	0K14006-CAL6	VK20111413.D	11/14/20 21:10
Cal Standard	0K14006-CAL7	VK20111414.D	11/14/20 21:37
Cal Standard	0K14006-CAL8	VK20111415.D	11/14/20 22:04
Cal Standard	0K14006-CAL9	VK20111416.D	11/14/20 22:32
Cal Standard	0K14006-CALA	VK20111418.D	11/14/20 23:26
Cal Standard	0K14006-CALB	VK20111419.D	11/14/20 23:54
Initial Cal Check	0K14006-ICV1	VK20111422.D	11/15/20 01:16

Note: Client samples are listed only if they are included in this report.
Duplicates and Matrix Spike/Duplicates QC Samples are only listed if sourced from a sample included in this report.

ANALYSIS BATCH (SEQUENCE) SUMMARY

5035A/8260D

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	0K18045	Instrument:	VOA-GCMS11
Matrix:	Soil	Calibration:	A0K1605

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	0K18045-TUN1	VK20111802.D	11/18/20 09:35
Calibration Check	0K18045-CCV1	VK20111803.D	11/18/20 10:02
Blank	0110632-BLK1	VK20111805.D	11/18/20 10:57
USMPDI-003SC-B-00-02-201110	A0K0482-07	VK20111822.D	11/18/20 18:41
USMPDI-003SC-B-02-04-201110	A0K0482-08	VK20111823.D	11/18/20 19:08
USMPDI-003SC-B-04-06-201110	A0K0482-09	VK20111824.D	11/18/20 19:35
USMPDI-003SC-B-06-08-201110	A0K0482-10	VK20111825.D	11/18/20 20:02
USMPDI-006SC-D-00-02-201110	A0K0482-15	VK20111826.D	11/18/20 20:29

Note: Client samples are listed only if they are included in this report.
Duplicates and Matrix Spike/Duplicates QC Samples are only listed if sourced from a sample included in this report.

ANALYSIS BATCH (SEQUENCE) SUMMARY

5035A/8260D

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	0K18062	Instrument:	VOA-GCMS6
Matrix:	Soil	Calibration:	A0K1904

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	0K18062-TUN1	VF20111804.D	11/18/20 18:32
Initial Cal Blank	0K18062-ICB1	VF20111805.D	11/18/20 18:59
Cal Standard	0K18062-CAL1	VF20111806.D	11/18/20 19:26
Cal Standard	0K18062-CAL2	VF20111807.D	11/18/20 19:54
Cal Standard	0K18062-CAL3	VF20111808.D	11/18/20 20:21
Cal Standard	0K18062-CAL4	VF20111809.D	11/18/20 20:48
Cal Standard	0K18062-CAL5	VF20111810.D	11/18/20 21:15
Cal Standard	0K18062-CAL6	VF20111811.D	11/18/20 21:42
Cal Standard	0K18062-CAL7	VF20111812.D	11/18/20 22:10
Cal Standard	0K18062-CAL8	VF20111813.D	11/18/20 22:37
Cal Standard	0K18062-CAL9	VF20111814.D	11/18/20 23:04
Cal Standard	0K18062-CALA	VF20111816.D	11/18/20 23:58
Cal Standard	0K18062-CALB	VF20111818.D	11/19/20 00:52
Initial Cal Check	0K18062-ICV1	VF20111821.D	11/19/20 02:14

Note: Client samples are listed only if they are included in this report.
Duplicates and Matrix Spike/Duplicates QC Samples are only listed if sourced from a sample included in this report.

ANALYSIS BATCH (SEQUENCE) SUMMARY

5035A/8260D

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	0K19062	Instrument:	VOA-GCMS6
Matrix:	Soil	Calibration:	A0K1904

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	0K19062-TUN1	VF20111902.D	11/19/20 15:42
Calibration Check	0K19062-CCV1	VF20111903.D	11/19/20 16:09
Blank	0110717-BLK1	VF20111906.D	11/19/20 17:31
USMPDI-006SC-D-02-04-201110	A0K0482-16RE1	VF20111921.D	11/20/20 00:16
USMPDI-006SC-D-04-06-201110	A0K0482-17RE1	VF20111922.D	11/20/20 00:43
USMPDI-006SC-D-06-08-201110	A0K0482-18RE1	VF20111923.D	11/20/20 01:10
USMPDI-006SC-D-08-10-201110	A0K0482-19RE1	VF20111924.D	11/20/20 01:37
USMPDI-006SC-D-10-12-201110	A0K0482-20RE1	VF20111925.D	11/20/20 02:04

Note: Client samples are listed only if they are included in this report.
Duplicates and Matrix Spike/Duplicates QC Samples are only listed if sourced from a sample included in this report.

ANALYSIS BATCH (SEQUENCE) SUMMARY

5035A/8260D

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	0K20044	Instrument:	VOA-GCMS6
Matrix:	Soil	Calibration:	A0K1904

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	0K20044-TUN1	VF20112002.D	11/20/20 13:59
Calibration Check	0K20044-CCV1	VF20112003.D	11/20/20 14:26
Blank	0110771-BLK1	VF20112006.D	11/20/20 15:47
USMPDI-1006SC-D-10-12-201110	A0K0482-22	VF20112013.D	11/20/20 18:56
USMPDI-1006SC-D-10-12-201110 (I	0110771-DUP1	VF20112014.D	11/20/20 19:23
USMPDI-006SC-D-12-14-201110	A0K0482-21	VF20112015.D	11/20/20 19:50
USMPDI-006SC-D-12-14-201110 (M	0110771-MS1	VF20112016.D	11/20/20 20:17
USMPDI-006SC-D-12-14-201110 (M	0110771-MSD1	VF20112017.D	11/20/20 20:45

Note: Client samples are listed only if they are included in this report.
Duplicates and Matrix Spike/Duplicates QC Samples are only listed if sourced from a sample included in this report.

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

5035A/8260D

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Lab File ID:	VK20111406.D	Injection Date:	11/14/20
Instrument ID:	VOA-GCMS11	Injection Time:	17:58
Sequence:	0K14006	Lab Sample ID:	0K14006-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
m/z 95	50 - 200% of m/z 174	131.36	PASS
m/z 96	5 - 9% of m/z 95	6.82	PASS
m/z 173	Less than 2% of m/z 174	0.70	PASS
m/z 174	50 - 200% of m/z 95	76.13	PASS
m/z 175	5 - 9% of m/z 174	7.15	PASS
m/z 176	95 - 105% of m/z 174	97.40	PASS
m/z 177	5 - 10% of m/z 176	6.79	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

5035A/8260D

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Lab File ID:	VK20111802.D	Injection Date:	11/18/20
Instrument ID:	VOA-GCMS11	Injection Time:	09:35
Sequence:	0K18045	Lab Sample ID:	0K18045-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
m/z 95	50 - 200% of m/z 174	133.05	PASS
m/z 96	5 - 9% of m/z 95	6.64	PASS
m/z 173	Less than 2% of m/z 174	0.68	PASS
m/z 174	50 - 200% of m/z 95	75.16	PASS
m/z 175	5 - 9% of m/z 174	6.82	PASS
m/z 176	95 - 105% of m/z 174	97.05	PASS
m/z 177	5 - 10% of m/z 176	6.32	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

5035A/8260D

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Lab File ID:	VF20111804.D	Injection Date:	11/18/20
Instrument ID:	VOA-GCMS6	Injection Time:	18:32
Sequence:	0K18062	Lab Sample ID:	0K18062-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
m/z 95	50 - 200% of m/z 174	127.04	PASS
m/z 96	5 - 9% of m/z 95	7.18	PASS
m/z 173	Less than 2% of m/z 174	0.27	PASS
m/z 174	50 - 200% of m/z 95	78.72	PASS
m/z 175	5 - 9% of m/z 174	7.19	PASS
m/z 176	95 - 105% of m/z 174	97.51	PASS
m/z 177	5 - 10% of m/z 176	6.62	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

5035A/8260D

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Lab File ID:	VF20111902.D	Injection Date:	11/19/20
Instrument ID:	VOA-GCMS6	Injection Time:	15:42
Sequence:	0K19062	Lab Sample ID:	0K19062-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
m/z 95	50 - 200% of m/z 174	116.15	PASS
m/z 96	5 - 9% of m/z 95	6.92	PASS
m/z 173	Less than 2% of m/z 174	0.00	PASS
m/z 174	50 - 200% of m/z 95	86.10	PASS
m/z 175	5 - 9% of m/z 174	7.08	PASS
m/z 176	95 - 105% of m/z 174	96.05	PASS
m/z 177	5 - 10% of m/z 176	6.54	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

5035A/8260D

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Lab File ID:	VF20112002.D	Injection Date:	11/20/20
Instrument ID:	VOA-GCMS6	Injection Time:	13:59
Sequence:	0K20044	Lab Sample ID:	0K20044-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
m/z 95	50 - 200% of m/z 174	116.59	PASS
m/z 96	5 - 9% of m/z 95	6.70	PASS
m/z 173	Less than 2% of m/z 174	0.15	PASS
m/z 174	50 - 200% of m/z 95	85.77	PASS
m/z 175	5 - 9% of m/z 174	7.09	PASS
m/z 176	95 - 105% of m/z 174	96.30	PASS
m/z 177	5 - 10% of m/z 176	6.81	PASS

INITIAL CALIBRATION DATA (Summary)

5035A/8260D

Laboratory: Apex Laboratories SDG: A0K0482

Client: Anchor QEA, LLC Project: US Moorings -- C2, C3, C4

Calibration: A0K1605 Date: 11/16/20 11:53 Instrument: VOA-GCMS11

Compound	Mean RF	FIT	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Benzene	3.277611	Ave	8.203213	6.044	4.155119E-02			20	
Toluene	1.290582	Ave	11.39298	8.2733	2.373687E-02			20	
Ethylbenzene	1.355617	Ave	9.334048	9.888637	1.692292E-02			20	
m,p-Xylene	0.9998801	Ave	10.2524	10.025	0.0202492			20	
o-Xylene	1.047016	Ave	13.2411	10.40627	1.798867E-02			20	
Chlorobenzene	0.8217206	Ave	5.906116	9.853636	0.0196601			20	
1,1-Dichloroethene	0.5908306	Ave	8.855197	3.185667	0.155084			20	
cis-1,2-Dichloroethene	1.040476	Ave	4.997585	5.166909	3.248717E-02			20	
Tetrachloroethene (PCE)	0.3044099	Ave	7.738787	8.723182	3.101973E-02			20	
Trichloroethene (TCE)	0.9614954	Ave	3.804027	6.664909	0.0542842			20	
Vinyl chloride	0.3912003	Ave	12.95573	1.9992	0.1955867			20	
1,4-Difluorobenzene (Surr)	3.190183	Ave	1.207116	6.691	0.0235139			20	
Toluene-d8 (Surr)	1.235738	Ave	2.620707	8.213636	2.361256E-02			20	
4-Bromofluorobenzene (Surr)	0.7855164	Ave	1.500834	10.90855	2.393401E-02			20	

Note: ** Quad COD may be incorrect if weighting (1/a) or (1/a2) used. Weighting not shown here. Please see instrument calibration printouts for validation.

INITIAL CALIBRATION DATA

5035A/8260D

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Calibration: A0K1605
Instrument: VOA-GCMS11
Calibration Date: 11/16/20 11:53

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
Benzene	0.1	~~4.878072~~	0.2	3.829251	0.4	3.542644	1	3.469453	2	3.328378	5	3.241283
Toluene	0.1	~~1.979136~~	0.2	1.664052	0.4	1.387669	1	1.32879	2	1.241766	5	1.237403
Ethylbenzene	0.1	1.679704	0.2	1.485289	0.4	1.359462	1	1.345223	2	1.350441	5	1.298716
m,p-Xylene	0.2	1.200611	0.4	1.173114	0.8	1.069496	2	0.9677712	4	0.9662891	10	0.966211
o-Xylene	0.1	1.43152	0.2	1.05614	0.4	1.118628	1	1.069494	2	1.01903	5	0.955225
Xylenes, total	0.3	1.27758	0.6	1.134123	1.2	1.085873	3	1.001679	6	0.9838694	15	0.962549
Chlorobenzene	0.1	0.9098154	0.2	0.8418596	0.4	0.8862258	1	0.8616621	2	0.8220619	5	0.8090276
1,1-Dichloroethene	0.1	~~0~~	0.2	~~0~~	0.4	0.6107562	1	0.6222822	2	0.5854499	5	0.5643559
cis-1,2-Dichloroethene	0.1	1.108137	0.2	1.085464	0.4	1.098758	1	1.09944	2	1.061702	5	0.9942714
Tetrachloroethene (PCE)	0.1	0.3547128	0.2	0.3457847	0.4	0.2954086	1	0.2951905	2	0.2927437	5	0.297897
Trichloroethene (TCE)	0.1	1.031993	0.2	0.999617	0.4	0.9626517	1	0.9444333	2	0.9979661	5	0.9612246
Vinyl chloride	0.1	~~0~~	0.2	0.488665	0.4	0.474219	1	0.3949732	2	0.3999809	5	0.3630026
1,4-Difluorobenzene (Surr)	50	3.256689	50	3.226721	50	3.216737	50	3.216247	50	3.198294	50	3.205341
Toluene-d8 (Surr)	50	1.219754	50	1.219388	50	1.218475	50	1.223943	50	1.205102	50	1.223987
4-Bromofluorobenzene (Surr)	50	0.7874643	50	0.7867783	50	0.7773154	50	0.7762554	50	0.7679134	50	0.7767273

INITIAL CALIBRATION DATA (Continued)

5035A/8260D

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Calibration: A0K1605
Instrument: VOA-GCMS11
Matrix:
Calibration Date: 11/16/20 11:53

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
Benzene	10	3.126878	20	3.175427	50	3.033307	100	2.968246	200	3.061244		
Toluene	10	1.215974	20	1.224172	50	1.17459	100	1.169042	200	1.262365		
Ethylbenzene	10	1.29638	20	1.307333	50	1.252628	100	1.228431	200	1.308179		
m,p-Xylene	20	0.9537732	40	0.9595879	100	0.9156956	200	0.8939003	400	0.9322324		
o-Xylene	10	0.9688068	20	0.9915617	50	0.958637	100	0.9441863	200	1.003945		
Xylenes, total	30	0.9587844	60	0.9702458	150	0.9300094	300	0.9106623	600	0.9561365		
Chlorobenzene	10	0.7900328	20	0.7960696	50	0.7653632	100	0.7574437	200	0.7993646		
1,1-Dichloroethene	10	0.5710682	20	0.7028067	50	0.534702	100	0.5301894	200	0.5958647		
cis-1,2-Dichloroethene	10	0.9924217	20	1.026561	50	0.975616	100	0.9767415	200	1.026124		
Tetrachloroethene (PCE)	10	0.2882779	20	0.3013739	50	0.2897623	100	0.2825318	200	0.3048262		
Trichloroethene (TCE)	10	0.9439882	20	0.9611919	50	0.9247119	100	0.9029973	200	0.9456739		
Vinyl chloride	10	0.3502395	20	0.3493139	50	0.3556881	100	0.3621585	200	0.3737624		
1,4-Difluorobenzene (Surr)	50	3.167713	50	3.171231	50	3.151417	50	3.149456	50	3.132163		
Toluene-d8 (Surr)	50	1.222571	50	1.228289	50	1.242402	50	1.269622	50	1.319582		
4-Bromofluorobenzene (Surr)	50	0.7888027	50	0.7917728	50	0.7806058	50	0.7957164	50	0.8113282		

INITIAL CALIBRATION DATA (Summary)

5035A/8260D

Laboratory: Apex Laboratories SDG: A0K0482

Client: Anchor QEA, LLC Project: US Moorings -- C2, C3, C4

Calibration: A0K1904 Date: 11/19/20 17:39 Instrument: VOA-GCMS6

Compound	Mean RF	FIT	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Benzene	4.598433	Ave	2.955351	5.930182	7.272389E-02			20	
Toluene	1.807816	Ave	8.244524	8.144091	5.276389E-02			20	
Ethylbenzene	1.665441	Ave	9.167708	8.891182	33.16628			20	
m,p-Xylene	1.215097	Ave	8.833805	9.918182	0.0309911			20	
o-Xylene	1.187142	Ave	13.67092	9.364364	33.16626			20	
Chlorobenzene	1.082856	Ave	3.012666	9.752545	1.460235E-02			20	
1,1-Dichloroethene	1.23463	Ave	3.494413	3.0827	0.1703874			20	
cis-1,2-Dichloroethene	1.296533	Ave	12.99321	5.0679	0.1245876			20	
Tetrachloroethene (PCE)	0.3563725	Ave	6.213681	8.593556	6.049414E-02			20	
Trichloroethene (TCE)	1.055725	Ave	8.324406	6.5493	7.389093E-02			20	
Vinyl chloride	0.6791608	Ave	3.699327	1.896222	0.3464012			20	
1,4-Difluorobenzene (Surr)	3.085891	Ave	0.877297	6.581273	4.416393E-02			20	
Toluene-d8 (Surr)	1.435671	Ave	1.460162	8.085546	3.615844E-03			20	
4-Bromofluorobenzene (Surr)	0.8699443	Ave	0.9043523	10.81055	4.689812E-03			20	

Note: ** Quad COD may be incorrect if weighting (1/a) or (1/a2) used. Weighting not shown here. Please see instrument calibration printouts for validation.

INITIAL CALIBRATION DATA

5035A/8260D

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Calibration: A0K1904
Instrument: VOA-GCMS6
Calibration Date: 11/19/20 17:39

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
Benzene	0.1	4.490785	0.2	4.619765	0.4	4.276033	1	4.782609	2	4.729682	5	4.604963
Toluene	0.1	2.205464	0.2	1.910254	0.4	1.847102	1	1.821985	2	1.765493	5	1.761107
Ethylbenzene	0.1	1.376944	0.2	1.414208	0.4	1.517519	1	1.723645	2	1.743676	5	1.717749
m,p-Xylene	0.2	1.013289	0.4	1.136971	0.8	1.04378	2	1.210485	4	1.210716	10	1.246292
o-Xylene	0.1	0.8520574	0.2	1.009978	0.4	1.055145	1	1.137943	2	1.180069	5	1.205638
Xylenes, total	0.3	0.9595453	0.6	1.09464	1.2	1.047568	3	1.186304	6	1.2005	15	1.232741
Chlorobenzene	0.1	1.023881	0.2	1.13399	0.4	1.107783	1	1.105503	2	1.1215	5	1.062174
1,1-Dichloroethene	0.1	~~0~~	0.2	1.216593	0.4	1.126727	1	1.240942	2	1.24854	5	1.256885
cis-1,2-Dichloroethene	0.1	~~0~~	0.2	0.9239531	0.4	1.055188	1	1.300864	2	1.34139	5	1.346881
Tetrachloroethene (PCE)	0.1	~~0~~	0.2	~~0.1931717~~	0.4	0.3104423	1	0.3384453	2	0.3693315	5	0.3640652
Trichloroethene (TCE)	0.1	~~0~~	0.2	0.9699863	0.4	0.8698395	1	1.040273	2	1.047719	5	1.035303
Vinyl chloride	0.1	~~0~~	0.2	~~0~~	0.4	0.6308369	1	0.7127926	2	0.6914452	5	0.6863072
1,4-Difluorobenzene (Surr)	50	3.120467	50	3.109585	50	3.092766	50	3.112542	50	3.0674	50	3.030421
Toluene-d8 (Surr)	50	1.45642	50	1.449613	50	1.45398	50	1.451417	50	1.450283	50	1.434582
4-Bromofluorobenzene (Surr)	50	0.8713133	50	0.8649584	50	0.8851119	50	0.8775433	50	0.8791304	50	0.8700666

INITIAL CALIBRATION DATA (Continued)

5035A/8260D

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Calibration: A0K1904
Instrument: VOA-GCMS6
Matrix:
Calibration Date: 11/19/20 17:39

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
Benzene	10	4.692163	20	4.633272	50	4.526145	100	4.583462	200	4.64388		
Toluene	10	1.749812	20	1.739179	50	1.667685	100	1.692359	200	1.725539		
Ethylbenzene	10	1.765197	20	1.768989	50	1.725312	100	1.765922	200	1.800688		
m,p-Xylene	20	1.293278	40	1.300015	100	1.277158	200	1.311359	400	1.32272		
o-Xylene	10	1.28289	20	1.300862	50	1.301751	100	1.356347	200	1.375877		
Xylenes, total	30	1.289815	60	1.300298	150	1.285356	300	1.326355	600	1.340439		
Chlorobenzene	10	1.07846	20	1.066542	50	1.050352	100	1.072178	200	1.08905		
1,1-Dichloroethene	10	1.251942	20	1.238829	50	1.214944	100	1.272491	200	1.27841		
cis-1,2-Dichloroethene	10	1.398734	20	1.37881	50	1.411219	100	1.415459	200	1.392828		
Tetrachloroethene (PCE)	10	0.3601407	20	0.367152	50	0.3449889	100	0.3663165	200	0.3864698		
Trichloroethene (TCE)	10	1.097667	20	1.098775	50	1.079864	100	1.132503	200	1.185324		
Vinyl chloride	10	0.6883578	20	0.6645506	50	0.7061534	100	0.6680783	200	0.6639253		
1,4-Difluorobenzene (Surr)	50	3.090228	50	3.071336	50	3.089149	50	3.057062	50	3.103845		
Toluene-d8 (Surr)	50	1.446659	50	1.425331	50	1.419003	50	1.390889	50	1.414204		
4-Bromofluorobenzene (Surr)	50	0.8652491	50	0.8673696	50	0.8616008	50	0.8590878	50	0.8679556		

SECOND-SOURCE CALIBRATION VERIFICATION

5035A/8260D

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Instrument ID:	VOA-GCMS11	Calibration:	A0K1605
Lab File ID:	VK20111422.D		
Sequence:	0K14006	Inject Date:	11/15/20
Lab Sample ID:	0K14006-ICV1	Inject Time:	01:16

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Benzene	20.0	18.7	-6.6	70 - 130
Toluene	20.0	18.6	-6.8	70 - 130
Ethylbenzene	20.0	19.2	-3.8	70 - 130
m,p-Xylene	40.0	38.4	-4.0	70 - 130
o-Xylene	20.0	18.9	-5.6	70 - 130
Chlorobenzene	20.0	19.2	-4.2	70 - 130
1,1-Dichloroethene	20.0	18.3	-8.4	70 - 130
cis-1,2-Dichloroethene	20.0	19.4	-3.2	70 - 130
Tetrachloroethene (PCE)	20.0	19.2	-4.0	70 - 130
Trichloroethene (TCE)	20.0	19.2	-4.0	70 - 130
Vinyl chloride	20.0	19.1	-4.5	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

5035A/8260D

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Instrument ID:	VOA-GCMS6	Calibration:	A0K1904
Lab File ID:	VF20111821.D		
Sequence:	0K18062	Inject Date:	11/19/20
Lab Sample ID:	0K18062-ICV1	Inject Time:	02:14

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Benzene	20.0	19.6	-2.0	70 - 130
Toluene	20.0	19.0	-5.0	70 - 130
Ethylbenzene	20.0	21.1	5.5	70 - 130
m,p-Xylene	40.0	42.5	6.3	70 - 130
o-Xylene	20.0	21.8	8.9	70 - 130
Chlorobenzene	20.0	19.8	-1.0	70 - 130
1,1-Dichloroethene	20.0	19.2	-4.1	70 - 130
cis-1,2-Dichloroethene	20.0	20.7	3.4	70 - 130
Tetrachloroethene (PCE)	20.0	20.9	4.6	70 - 130
Trichloroethene (TCE)	20.0	20.9	4.6	70 - 130
Vinyl chloride	20.0	21.0	5.2	70 - 130

SURROGATE STANDARD RECOVERY AND RT SUMMARY

5035A/8260D

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	0K14006	Instrument:	VOA-GCMS11
Matrix:	Soil	Calibration:	A0K1605

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Initial Cal Check (0K14006-ICV1)				Lab File ID: VK20111422.D		Analyzed: 11/15/20 01:16		
1,4-Difluorobenzene (Surr)	50.0	99	70 - 130	6.693	6.691	0.0020	+/-1.0	
Toluene-d8 (Surr)	50.0	100	70 - 130	8.214	8.213636	0.0004	+/-1.0	
4-Bromofluorobenzene (Surr)	50.0	99	70 - 130	10.906	10.90855	-0.0025	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

5035A/8260D

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	0K18045	Instrument:	VOA-GCMS11
Matrix:	Soil	Calibration:	A0K1605

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
LCS (0110632-BS1)			Lab File ID: VK20111803.D		Analyzed: 11/18/20 10:02			
1,4-Difluorobenzene (Surr)	50.0	98	80 - 120	6.692	6.691	0.0010	+/-1.0	
Toluene-d8 (Surr)	50.0	101	80 - 120	8.214	8.213636	0.0004	+/-1.0	
4-Bromofluorobenzene (Surr)	50.0	99	79 - 120	10.91	10.90855	0.0015	+/-1.0	
Blank (0110632-BLK1)			Lab File ID: VK20111805.D		Analyzed: 11/18/20 10:57			
1,4-Difluorobenzene (Surr)	50.0	96	80 - 120	6.693	6.691	0.0020	+/-1.0	
Toluene-d8 (Surr)	50.0	99	80 - 120	8.215	8.213636	0.0014	+/-1.0	
4-Bromofluorobenzene (Surr)	50.0	98	79 - 120	10.91	10.90855	0.0015	+/-1.0	
USMPDI-003SC-B-00-02-201110 (A0K0482-07)			Lab File ID: VK20111822.D		Analyzed: 11/18/20 18:41			
1,4-Difluorobenzene (Surr)	50.0	98	80 - 120	6.693	6.691	0.0020	+/-1.0	
Toluene-d8 (Surr)	50.0	98	80 - 120	8.215	8.213636	0.0014	+/-1.0	
4-Bromofluorobenzene (Surr)	50.0	97	79 - 120	10.91	10.90855	0.0015	+/-1.0	
USMPDI-003SC-B-02-04-201110 (A0K0482-08)			Lab File ID: VK20111823.D		Analyzed: 11/18/20 19:08			
1,4-Difluorobenzene (Surr)	50.0	97	80 - 120	6.693	6.691	0.0020	+/-1.0	
Toluene-d8 (Surr)	50.0	99	80 - 120	8.215	8.213636	0.0014	+/-1.0	
4-Bromofluorobenzene (Surr)	50.0	97	79 - 120	10.91	10.90855	0.0015	+/-1.0	
USMPDI-003SC-B-04-06-201110 (A0K0482-09)			Lab File ID: VK20111824.D		Analyzed: 11/18/20 19:35			
1,4-Difluorobenzene (Surr)	50.0	95	80 - 120	6.689	6.691	-0.0020	+/-1.0	
Toluene-d8 (Surr)	50.0	99	80 - 120	8.214	8.213636	0.0004	+/-1.0	
4-Bromofluorobenzene (Surr)	50.0	97	79 - 120	10.906	10.90855	-0.0025	+/-1.0	
USMPDI-003SC-B-06-08-201110 (A0K0482-10)			Lab File ID: VK20111825.D		Analyzed: 11/18/20 20:02			
1,4-Difluorobenzene (Surr)	50.0	95	80 - 120	6.689	6.691	-0.0020	+/-1.0	
Toluene-d8 (Surr)	50.0	98	80 - 120	8.211	8.213636	-0.0026	+/-1.0	
4-Bromofluorobenzene (Surr)	50.0	97	79 - 120	10.91	10.90855	0.0015	+/-1.0	
USMPDI-006SC-D-00-02-201110 (A0K0482-15)			Lab File ID: VK20111826.D		Analyzed: 11/18/20 20:29			
1,4-Difluorobenzene (Surr)	50.0	93	80 - 120	6.693	6.691	0.0020	+/-1.0	
Toluene-d8 (Surr)	50.0	98	80 - 120	8.215	8.213636	0.0014	+/-1.0	
4-Bromofluorobenzene (Surr)	50.0	98	79 - 120	10.906	10.90855	-0.0025	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

5035A/8260D

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	0K18062	Instrument:	VOA-GCMS6
Matrix:	Soil	Calibration:	A0K1904

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Initial Cal Check (0K18062-ICV1)				Lab File ID: VF20111821.D		Analyzed: 11/19/20 02:14		
1,4-Difluorobenzene (Surr)	50.0	100	70 - 130	6.579	6.581273	-0.0023	+/-1.0	
Toluene-d8 (Surr)	50.0	100	70 - 130	8.081	8.085546	-0.0045	+/-1.0	
4-Bromofluorobenzene (Surr)	50.0	101	70 - 130	10.811	10.81055	0.0005	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

5035A/8260D

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	0K19062	Instrument:	VOA-GCMS6
Matrix:	Soil	Calibration:	A0K1904

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
LCS (0110717-BS1)			Lab File ID: VF20111903.D		Analyzed: 11/19/20 16:09			
1,4-Difluorobenzene (Surr)	50.0	102	80 - 120	6.577	6.581273	-0.0043	+/-1.0	
Toluene-d8 (Surr)	50.0	99	80 - 120	8.079	8.085546	-0.0065	+/-1.0	
4-Bromofluorobenzene (Surr)	50.0	99	79 - 120	10.81	10.81055	-0.0005	+/-1.0	
Blank (0110717-BLK1)			Lab File ID: VF20111906.D		Analyzed: 11/19/20 17:31			
1,4-Difluorobenzene (Surr)	50.0	102	80 - 120	6.577	6.581273	-0.0043	+/-1.0	
Toluene-d8 (Surr)	50.0	100	80 - 120	8.079	8.085546	-0.0065	+/-1.0	
4-Bromofluorobenzene (Surr)	50.0	102	79 - 120	10.81	10.81055	-0.0005	+/-1.0	
USMPDI-006SC-D-02-04-201110 (A0K0482-16RE1)			Lab File ID: VF20111921.D		Analyzed: 11/20/20 00:16			
1,4-Difluorobenzene (Surr)	50.0	108	80 - 120	6.578	6.581273	-0.0033	+/-1.0	
Toluene-d8 (Surr)	50.0	101	80 - 120	8.086	8.085546	0.0005	+/-1.0	
4-Bromofluorobenzene (Surr)	50.0	101	79 - 120	10.81	10.81055	-0.0005	+/-1.0	
USMPDI-006SC-D-04-06-201110 (A0K0482-17RE1)			Lab File ID: VF20111922.D		Analyzed: 11/20/20 00:43			
1,4-Difluorobenzene (Surr)	50.0	108	80 - 120	6.578	6.581273	-0.0033	+/-1.0	
Toluene-d8 (Surr)	50.0	100	80 - 120	8.086	8.085546	0.0005	+/-1.0	
4-Bromofluorobenzene (Surr)	50.0	101	79 - 120	10.811	10.81055	0.0005	+/-1.0	
USMPDI-006SC-D-06-08-201110 (A0K0482-18RE1)			Lab File ID: VF20111923.D		Analyzed: 11/20/20 01:10			
1,4-Difluorobenzene (Surr)	50.0	109	80 - 120	6.579	6.581273	-0.0023	+/-1.0	
Toluene-d8 (Surr)	50.0	100	80 - 120	8.081	8.085546	-0.0045	+/-1.0	
4-Bromofluorobenzene (Surr)	50.0	101	79 - 120	10.811	10.81055	0.0005	+/-1.0	
USMPDI-006SC-D-08-10-201110 (A0K0482-19RE1)			Lab File ID: VF20111924.D		Analyzed: 11/20/20 01:37			
1,4-Difluorobenzene (Surr)	50.0	109	80 - 120	6.581	6.581273	-0.0003	+/-1.0	
Toluene-d8 (Surr)	50.0	99	80 - 120	8.083	8.085546	-0.0025	+/-1.0	
4-Bromofluorobenzene (Surr)	50.0	101	79 - 120	10.807	10.81055	-0.0035	+/-1.0	
USMPDI-006SC-D-10-12-201110 (A0K0482-20RE1)			Lab File ID: VF20111925.D		Analyzed: 11/20/20 02:04			
1,4-Difluorobenzene (Surr)	50.0	108	80 - 120	6.577	6.581273	-0.0043	+/-1.0	
Toluene-d8 (Surr)	50.0	100	80 - 120	8.085	8.085546	-0.0005	+/-1.0	
4-Bromofluorobenzene (Surr)	50.0	101	79 - 120	10.809	10.81055	-0.0015	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

5035A/8260D

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	0K20044	Instrument:	VOA-GCMS6
Matrix:	Soil	Calibration:	A0K1904

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
LCS (0110771-BS1)			Lab File ID: VF20112003.D		Analyzed: 11/20/20 14:26			
1,4-Difluorobenzene (Surr)	50.0	109	80 - 120	6.581	6.581273	-0.0003	+/-1.0	
Toluene-d8 (Surr)	50.0	100	80 - 120	8.083	8.085546	-0.0025	+/-1.0	
4-Bromofluorobenzene (Surr)	50.0	103	79 - 120	10.808	10.81055	-0.0025	+/-1.0	
Blank (0110771-BLK1)			Lab File ID: VF20112006.D		Analyzed: 11/20/20 15:47			
1,4-Difluorobenzene (Surr)	50.0	107	80 - 120	6.583	6.581273	0.0017	+/-1.0	
Toluene-d8 (Surr)	50.0	99	80 - 120	8.085	8.085546	-0.0005	+/-1.0	
4-Bromofluorobenzene (Surr)	50.0	102	79 - 120	10.81	10.81055	-0.0005	+/-1.0	
USMPDI-1006SC-D-10-12-201110 (A0K0482-22)			Lab File ID: VF20112013.D		Analyzed: 11/20/20 18:56			
1,4-Difluorobenzene (Surr)	50.0	108	80 - 120	6.581	6.581273	-0.0003	+/-1.0	
Toluene-d8 (Surr)	50.0	100	80 - 120	8.083	8.085546	-0.0025	+/-1.0	
4-Bromofluorobenzene (Surr)	50.0	102	79 - 120	10.807	10.81055	-0.0035	+/-1.0	
Duplicate (0110771-DUP1)			Lab File ID: VF20112014.D		Analyzed: 11/20/20 19:23			
1,4-Difluorobenzene (Surr)	50.0	107	80 - 120	6.58	6.581273	-0.0013	+/-1.0	
Toluene-d8 (Surr)	50.0	100	80 - 120	8.082	8.085546	-0.0035	+/-1.0	
4-Bromofluorobenzene (Surr)	50.0	102	79 - 120	10.813	10.81055	0.0025	+/-1.0	
USMPDI-006SC-D-12-14-201110 (A0K0482-21)			Lab File ID: VF20112015.D		Analyzed: 11/20/20 19:50			
1,4-Difluorobenzene (Surr)	50.0	107	80 - 120	6.58	6.581273	-0.0013	+/-1.0	
Toluene-d8 (Surr)	50.0	99	80 - 120	8.082	8.085546	-0.0035	+/-1.0	
4-Bromofluorobenzene (Surr)	50.0	101	79 - 120	10.813	10.81055	0.0025	+/-1.0	
Matrix Spike (0110771-MS1)			Lab File ID: VF20112016.D		Analyzed: 11/20/20 20:17			
1,4-Difluorobenzene (Surr)	50.0	107	80 - 120	6.578	6.581273	-0.0033	+/-1.0	
Toluene-d8 (Surr)	50.0	97	80 - 120	8.081	8.085546	-0.0045	+/-1.0	
4-Bromofluorobenzene (Surr)	50.0	100	79 - 120	10.811	10.81055	0.0005	+/-1.0	
Matrix Spike Dup (0110771-MSD1)			Lab File ID: VF20112017.D		Analyzed: 11/20/20 20:45			
1,4-Difluorobenzene (Surr)	50.0	106	80 - 120	6.581	6.581273	-0.0003	+/-1.0	
Toluene-d8 (Surr)	50.0	99	80 - 120	8.083	8.085546	-0.0025	+/-1.0	
4-Bromofluorobenzene (Surr)	50.0	100	79 - 120	10.813	10.81055	0.0025	+/-1.0	

INTERNAL STANDARD AREA AND RT SUMMARY
5035A/8260D

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	0K18045	Instrument:	VOA-GCMS11
Matrix:	Soil	Calibration:	A0K1605

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
LCS (0110632-BS1)			Lab File ID: VK20111803.D			Analyzed: 11/18/20 10:02			
Pentafluorobenzene (ISTD)	261295	6.126	261295	6.126	100	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (ISTD)	701659	9.837	701659	9.837	100	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4 (ISTD)	297793	11.798	297793	11.798	100	50 - 200	0.0000	+/-0.50	
Calibration Check (0K18045-CCV1)			Lab File ID: VK20111803.D			Analyzed: 11/18/20 10:02			
Pentafluorobenzene (ISTD)	261295	6.126	282969	6.126	92	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (ISTD)	701659	9.837	777589	9.838	90	50 - 200	-0.0010	+/-0.50	
1,4-Dichlorobenzene-d4 (ISTD)	297793	11.798	332262	11.794	90	50 - 200	0.0040	+/-0.50	
Blank (0110632-BLK1)			Lab File ID: VK20111805.D			Analyzed: 11/18/20 10:57			
Pentafluorobenzene (ISTD)	241706	6.127	261295	6.126	93	50 - 200	0.0010	+/-0.50	
Chlorobenzene-d5 (ISTD)	646593	9.838	701659	9.837	92	50 - 200	0.0010	+/-0.50	
1,4-Dichlorobenzene-d4 (ISTD)	281263	11.794	297793	11.798	94	50 - 200	-0.0040	+/-0.50	
Duplicate (0110632-DUP1)			Lab File ID: VK20111810.D			Analyzed: 11/18/20 13:13			
Pentafluorobenzene (ISTD)	218083	6.127	261295	6.126	83	50 - 200	0.0010	+/-0.50	
Chlorobenzene-d5 (ISTD)	560553	9.838	701659	9.837	80	50 - 200	0.0010	+/-0.50	
1,4-Dichlorobenzene-d4 (ISTD)	253396	11.798	297793	11.798	85	50 - 200	0.0000	+/-0.50	
Matrix Spike (0110632-MS1)			Lab File ID: VK20111817.D			Analyzed: 11/18/20 16:24			
Pentafluorobenzene (ISTD)	195107	6.126	261295	6.126	75	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (ISTD)	491526	9.838	701659	9.837	70	50 - 200	0.0010	+/-0.50	
1,4-Dichlorobenzene-d4 (ISTD)	221124	11.794	297793	11.798	74	50 - 200	-0.0040	+/-0.50	
USMPDI-003SC-B-00-02-201110 (A0K0482-07)			Lab File ID: VK20111822.D			Analyzed: 11/18/20 18:41			
Pentafluorobenzene (ISTD)	238826	6.127	261295	6.126	91	50 - 200	0.0010	+/-0.50	
Chlorobenzene-d5 (ISTD)	664529	9.838	701659	9.837	95	50 - 200	0.0010	+/-0.50	
1,4-Dichlorobenzene-d4 (ISTD)	295828	11.794	297793	11.798	99	50 - 200	-0.0040	+/-0.50	
USMPDI-003SC-B-02-04-201110 (A0K0482-08)			Lab File ID: VK20111823.D			Analyzed: 11/18/20 19:08			
Pentafluorobenzene (ISTD)	239973	6.127	261295	6.126	92	50 - 200	0.0010	+/-0.50	
Chlorobenzene-d5 (ISTD)	648798	9.838	701659	9.837	92	50 - 200	0.0010	+/-0.50	
1,4-Dichlorobenzene-d4 (ISTD)	282381	11.798	297793	11.798	95	50 - 200	0.0000	+/-0.50	
USMPDI-003SC-B-04-06-201110 (A0K0482-09)			Lab File ID: VK20111824.D			Analyzed: 11/18/20 19:35			
Pentafluorobenzene (ISTD)	222593	6.126	261295	6.126	85	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (ISTD)	590000	9.838	701659	9.837	84	50 - 200	0.0010	+/-0.50	
1,4-Dichlorobenzene-d4 (ISTD)	258174	11.794	297793	11.798	87	50 - 200	-0.0040	+/-0.50	
USMPDI-003SC-B-06-08-201110 (A0K0482-10)			Lab File ID: VK20111825.D			Analyzed: 11/18/20 20:02			
Pentafluorobenzene (ISTD)	227492	6.126	261295	6.126	87	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (ISTD)	603012	9.838	701659	9.837	86	50 - 200	0.0010	+/-0.50	
1,4-Dichlorobenzene-d4 (ISTD)	263926	11.794	297793	11.798	89	50 - 200	-0.0040	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
5035A/8260D

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	0K18045	Instrument:	VOA-GCMS11
Matrix:	Soil	Calibration:	A0K1605

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
USMPDI-006SC-D-00-02-201110 (A0K0482-15)			Lab File ID: VK20111826.D			Analyzed: 11/18/20 20:29			
Pentafluorobenzene (ISTD)	219257	6.127	261295	6.126	84	50 - 200	0.0010	+/-0.50	
Chlorobenzene-d5 (ISTD)	579032	9.838	701659	9.837	83	50 - 200	0.0010	+/-0.50	
1,4-Dichlorobenzene-d4 (ISTD)	253892	11.798	297793	11.798	85	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
5035A/8260D

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	0K19062	Instrument:	VOA-GCMS6
Matrix:	Soil	Calibration:	A0K1904

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
LCS (0110717-BS1)			Lab File ID: VF20111903.D			Analyzed: 11/19/20 16:09			
Pentafluorobenzene (ISTD)	70239	6.018	70239	6.018	100	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (ISTD)	197018	9.739	197018	9.739	100	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4 (ISTD)	93994	11.692	93994	11.692	100	50 - 200	0.0000	+/-0.50	
Calibration Check (0K19062-CCV1)			Lab File ID: VF20111903.D			Analyzed: 11/19/20 16:09			
Pentafluorobenzene (ISTD)	70239	6.018	69152	6.018	102	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (ISTD)	197018	9.739	190541	9.74	103	50 - 200	-0.0010	+/-0.50	
1,4-Dichlorobenzene-d4 (ISTD)	93994	11.692	88102	11.692	107	50 - 200	0.0000	+/-0.50	
Blank (0110717-BLK1)			Lab File ID: VF20111906.D			Analyzed: 11/19/20 17:31			
Pentafluorobenzene (ISTD)	65587	6.018	70239	6.018	93	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (ISTD)	179284	9.734	197018	9.739	91	50 - 200	-0.0050	+/-0.50	
1,4-Dichlorobenzene-d4 (ISTD)	81678	11.692	93994	11.692	87	50 - 200	0.0000	+/-0.50	
USMPDI-006SC-D-02-04-201110 (A0K0482-16RE1)			Lab File ID: VF20111921.D			Analyzed: 11/20/20 00:16			
Pentafluorobenzene (ISTD)	98046	6.018	70239	6.018	140	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (ISTD)	284636	9.74	197018	9.739	144	50 - 200	0.0010	+/-0.50	
1,4-Dichlorobenzene-d4 (ISTD)	126850	11.692	93994	11.692	135	50 - 200	0.0000	+/-0.50	
USMPDI-006SC-D-04-06-201110 (A0K0482-17RE1)			Lab File ID: VF20111922.D			Analyzed: 11/20/20 00:43			
Pentafluorobenzene (ISTD)	99075	6.019	70239	6.018	141	50 - 200	0.0010	+/-0.50	
Chlorobenzene-d5 (ISTD)	289968	9.734	197018	9.739	147	50 - 200	-0.0050	+/-0.50	
1,4-Dichlorobenzene-d4 (ISTD)	128972	11.693	93994	11.692	137	50 - 200	0.0010	+/-0.50	
USMPDI-006SC-D-06-08-201110 (A0K0482-18RE1)			Lab File ID: VF20111923.D			Analyzed: 11/20/20 01:10			
Pentafluorobenzene (ISTD)	96454	6.019	70239	6.018	137	50 - 200	0.0010	+/-0.50	
Chlorobenzene-d5 (ISTD)	283527	9.735	197018	9.739	144	50 - 200	-0.0040	+/-0.50	
1,4-Dichlorobenzene-d4 (ISTD)	126215	11.693	93994	11.692	134	50 - 200	0.0010	+/-0.50	
USMPDI-006SC-D-08-10-201110 (A0K0482-19RE1)			Lab File ID: VF20111924.D			Analyzed: 11/20/20 01:37			
Pentafluorobenzene (ISTD)	94898	6.021	70239	6.018	135	50 - 200	0.0030	+/-0.50	
Chlorobenzene-d5 (ISTD)	280699	9.737	197018	9.739	142	50 - 200	-0.0020	+/-0.50	
1,4-Dichlorobenzene-d4 (ISTD)	126516	11.689	93994	11.692	135	50 - 200	-0.0030	+/-0.50	
USMPDI-006SC-D-10-12-201110 (A0K0482-20RE1)			Lab File ID: VF20111925.D			Analyzed: 11/20/20 02:04			
Pentafluorobenzene (ISTD)	92877	6.017	70239	6.018	132	50 - 200	-0.0010	+/-0.50	
Chlorobenzene-d5 (ISTD)	271985	9.739	197018	9.739	138	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4 (ISTD)	122559	11.691	93994	11.692	130	50 - 200	-0.0010	+/-0.50	
Matrix Spike (0110717-MS1)			Lab File ID: VF20111928.D			Analyzed: 11/20/20 03:25			
Pentafluorobenzene (ISTD)	90429	6.019	70239	6.018	129	50 - 200	0.0010	+/-0.50	
Chlorobenzene-d5 (ISTD)	265574	9.734	197018	9.739	135	50 - 200	-0.0050	+/-0.50	
1,4-Dichlorobenzene-d4 (ISTD)	123607	11.692	93994	11.692	132	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
5035A/8260D

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	0K19062	Instrument:	VOA-GCMS6
Matrix:	Soil	Calibration:	A0K1904

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Matrix Spike Dup (0110717-MSD1)			Lab File ID: VF20111929.D			Analyzed: 11/20/20 03:52			
Pentafluorobenzene (ISTD)	92493	6.022	70239	6.018	132	50 - 200	0.0040	+/-0.50	
Chlorobenzene-d5 (ISTD)	269557	9.737	197018	9.739	137	50 - 200	-0.0020	+/-0.50	
1,4-Dichlorobenzene-d4 (ISTD)	123706	11.695	93994	11.692	132	50 - 200	0.0030	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
5035A/8260D

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	0K20044	Instrument:	VOA-GCMS6
Matrix:	Soil	Calibration:	A0K1904

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
LCS (0110771-BS1)			Lab File ID: VF20112003.D			Analyzed: 11/20/20 14:26			
Pentafluorobenzene (ISTD)	90890	6.015	90890	6.015	100	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (ISTD)	267759	9.737	267759	9.737	100	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4 (ISTD)	119119	11.695	119119	11.695	100	50 - 200	0.0000	+/-0.50	
Calibration Check (0K20044-CCV1)			Lab File ID: VF20112003.D			Analyzed: 11/20/20 14:26			
Pentafluorobenzene (ISTD)	90890	6.015	69152	6.018	131	50 - 200	-0.0030	+/-0.50	
Chlorobenzene-d5 (ISTD)	267759	9.737	190541	9.74	141	50 - 200	-0.0030	+/-0.50	
1,4-Dichlorobenzene-d4 (ISTD)	119119	11.695	88102	11.692	135	50 - 200	0.0030	+/-0.50	
Blank (0110771-BLK1)			Lab File ID: VF20112006.D			Analyzed: 11/20/20 15:47			
Pentafluorobenzene (ISTD)	87027	6.018	90890	6.015	96	50 - 200	0.0030	+/-0.50	
Chlorobenzene-d5 (ISTD)	251319	9.74	267759	9.737	94	50 - 200	0.0030	+/-0.50	
1,4-Dichlorobenzene-d4 (ISTD)	109665	11.692	119119	11.695	92	50 - 200	-0.0030	+/-0.50	
USMPDI-1006SC-D-10-12-201110 (A0K0482-22)			Lab File ID: VF20112013.D			Analyzed: 11/20/20 18:56			
Pentafluorobenzene (ISTD)	81362	6.021	90890	6.015	90	50 - 200	0.0060	+/-0.50	
Chlorobenzene-d5 (ISTD)	233320	9.737	267759	9.737	87	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4 (ISTD)	103277	11.695	119119	11.695	87	50 - 200	0.0000	+/-0.50	
Duplicate (0110771-DUP1)			Lab File ID: VF20112014.D			Analyzed: 11/20/20 19:23			
Pentafluorobenzene (ISTD)	80990	6.02	90890	6.015	89	50 - 200	0.0050	+/-0.50	
Chlorobenzene-d5 (ISTD)	232819	9.736	267759	9.737	87	50 - 200	-0.0010	+/-0.50	
1,4-Dichlorobenzene-d4 (ISTD)	105936	11.694	119119	11.695	89	50 - 200	-0.0010	+/-0.50	
USMPDI-006SC-D-12-14-201110 (A0K0482-21)			Lab File ID: VF20112015.D			Analyzed: 11/20/20 19:50			
Pentafluorobenzene (ISTD)	83433	6.021	90890	6.015	92	50 - 200	0.0060	+/-0.50	
Chlorobenzene-d5 (ISTD)	239253	9.736	267759	9.737	89	50 - 200	-0.0010	+/-0.50	
1,4-Dichlorobenzene-d4 (ISTD)	109216	11.695	119119	11.695	92	50 - 200	0.0000	+/-0.50	
Matrix Spike (0110771-MS1)			Lab File ID: VF20112016.D			Analyzed: 11/20/20 20:17			
Pentafluorobenzene (ISTD)	80748	6.019	90890	6.015	89	50 - 200	0.0040	+/-0.50	
Chlorobenzene-d5 (ISTD)	239733	9.735	267759	9.737	90	50 - 200	-0.0020	+/-0.50	
1,4-Dichlorobenzene-d4 (ISTD)	113269	11.693	119119	11.695	95	50 - 200	-0.0020	+/-0.50	
Matrix Spike Dup (0110771-MSD1)			Lab File ID: VF20112017.D			Analyzed: 11/20/20 20:45			
Pentafluorobenzene (ISTD)	84007	6.015	90890	6.015	92	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5 (ISTD)	243733	9.737	267759	9.737	91	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4 (ISTD)	115014	11.695	119119	11.695	97	50 - 200	0.0000	+/-0.50	

HOLDING TIME SUMMARY

5035A/8260D

Laboratory: Apex Laboratories SDG: A0K0482

Client: Anchor QEA, LLC Project: US Moorings -- C2, C3, C4

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
USMPDI-003SC-B-00-02-201110	11/10/20 11:55	11/11/20 13:30	11/10/20 11:55	0.00	2.00	11/18/20 18:41	8.28	14.00	
USMPDI-003SC-B-02-04-201110	11/10/20 11:55	11/11/20 13:30	11/10/20 11:55	0.00	2.00	11/18/20 19:08	8.30	14.00	
USMPDI-003SC-B-04-06-201110	11/10/20 11:55	11/11/20 13:30	11/10/20 11:55	0.00	2.00	11/18/20 19:35	8.32	14.00	
USMPDI-003SC-B-06-08-201110	11/10/20 11:55	11/11/20 13:30	11/10/20 11:55	0.00	2.00	11/18/20 20:02	8.34	14.00	
USMPDI-006SC-D-00-02-201110	11/10/20 09:05	11/11/20 13:30	11/10/20 09:05	0.00	2.00	11/18/20 20:29	8.48	14.00	
USMPDI-006SC-D-02-04-201110	11/10/20 09:05	11/11/20 13:30	11/10/20 09:05	0.00	2.00	11/20/20 00:16	9.63	14.00	
USMPDI-006SC-D-04-06-201110	11/10/20 09:05	11/11/20 13:30	11/10/20 09:05	0.00	2.00	11/20/20 00:43	9.65	14.00	
USMPDI-006SC-D-06-08-201110	11/10/20 09:05	11/11/20 13:30	11/10/20 09:05	0.00	2.00	11/20/20 01:10	9.67	14.00	
USMPDI-006SC-D-08-10-201110	11/10/20 09:05	11/11/20 13:30	11/10/20 09:05	0.00	2.00	11/20/20 01:37	9.69	14.00	
USMPDI-006SC-D-10-12-201110	11/10/20 09:05	11/11/20 13:30	11/10/20 09:05	0.00	2.00	11/20/20 02:04	9.71	14.00	
USMPDI-006SC-D-12-14-201110	11/10/20 09:05	11/11/20 13:30	11/10/20 09:05	0.00	2.00	11/20/20 19:50	10.45	14.00	
USMPDI-1006SC-D-10-12-201110	11/10/20 09:05	11/11/20 13:30	11/10/20 09:05	0.00	2.00	11/20/20 18:56	10.41	14.00	

Apex Laboratories

SDG: A0K0482

CLASS: GC

METHOD: EPA 8082A

ANALYSES DATA PACKAGE COVER PAGE

EPA 8082A

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4

Client Sample Id:	Lab Sample Id:	Matrix
USMPDI-003SC-A-01-02-201110	A0K0482-01	SE
USMPDI-003SC-A-02-03-201110	A0K0482-02	SE
USMPDI-003SC-A-03-04-201110	A0K0482-03	SE
USMPDI-003SC-A-04-05-201110	A0K0482-04	SE
USMPDI-1003SC-A-01-02-201110	A0K0482-05	SE
USMPDI-003SC-B-06-08-201110	A0K0482-10	SE
USMPDI-006SC-A-01-02-201110	A0K0482-11	SE
USMPDI-006SC-A-02-03-201110	A0K0482-12	SE
USMPDI-006SC-A-03-04-201110	A0K0482-13	SE
USMPDI-006SC-A-04-05-201110	A0K0482-14	SE
USMPDI-006SC-D-06-08-201110	A0K0482-18	SE
USMPDI-006SC-D-08-10-201110	A0K0482-19	SE
USMPDI-006SC-D-10-12-201110	A0K0482-20	SE
USMPDI-006SC-D-12-14-201110	A0K0482-21	SE
USMPDI-1006SC-D-10-12-201110	A0K0482-22	SE

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in computer-readable data submitted on diskette has been autorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures.

Signature: 
Name: David G. Jack

Forms Created: 2/3/2021 11:44AM
Title: Technical Manager

METHOD DETECTION AND REPORTING LIMITS

EPA 8082A

Laboratory: Apex Laboratories **SDG:** A0K0482

Client: Anchor QEA, LLC **Project:** US Moorings -- C2, C3, C4

Batch Matrix: Sediment

Analyte	MDL	MRL	Units
Aroclor 1016	2.00	4.00	ug/kg
Aroclor 1221	2.00	4.00	ug/kg
Aroclor 1232	2.00	4.00	ug/kg
Aroclor 1242	2.00	4.00	ug/kg
Aroclor 1248	2.00	4.00	ug/kg
Aroclor 1254	2.00	4.00	ug/kg
Aroclor 1260	2.00	4.00	ug/kg
Aroclor 1262	2.00	4.00	ug/kg
Aroclor 1268	2.00	4.00	ug/kg

Note: MDLs are listed only if the corresponding analyte was evalutated to the MDL in this report .

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

USMPDI-003SC-A-01-02-201110

Laboratory:	Apex Laboratories			SDG:	A0K0482
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	SE	Laboratory ID:	A0K0482-01	File ID:	ECD9_210115_08.D
Sampled:	11/10/20 12:15	Prepared:	01/13/21 10:20	Analyzed:	01/15/21 09:11
Solids:	67.56	Preparation:	EPA 3546	Initial/Final:	10.76 g / 2 mL
Batch:	1012827	Sequence:	1A15008	Calibration:	A0K0502
Instrument:	DUALECD9F				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
12674-11-2	Aroclor 1016	1	2.75	U
11104-28-2	Aroclor 1221	1	2.75	U
11141-16-5	Aroclor 1232	1	2.75	U
53469-21-9	Aroclor 1242	1	2.75	U
12672-29-6	Aroclor 1248	1	2.75	U
11097-69-1	Aroclor 1254	1	2.75	U
11096-82-5	Aroclor 1260	1	2.75	U
37324-23-5	Aroclor 1262	1	2.75	U
11100-14-4	Aroclor 1268	1	2.75	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	68.8	58.5	85	60 - 125	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

USMPDI-003SC-A-02-03-201110

Laboratory:	Apex Laboratories			SDG:	A0K0482
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	SE	Laboratory ID:	A0K0482-02	File ID:	ECD9_210115_12.D
Sampled:	11/10/20 12:15	Prepared:	01/13/21 10:20	Analyzed:	01/15/21 09:47
Solids:	78.85	Preparation:	EPA 3546	Initial/Final:	10.92 g / 2 mL
Batch:	1012827	Sequence:	1A15008	Calibration:	A0K0502
Instrument:	DUALECD9F				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
12674-11-2	Aroclor 1016	1	2.32	U
11104-28-2	Aroclor 1221	1	2.32	U
11141-16-5	Aroclor 1232	1	2.32	U
53469-21-9	Aroclor 1242	1	2.32	U
12672-29-6	Aroclor 1248	1	2.32	U
11097-69-1	Aroclor 1254	1	2.32	U
11096-82-5	Aroclor 1260	1	2.32	U
37324-23-5	Aroclor 1262	1	2.32	U
11100-14-4	Aroclor 1268	1	2.32	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	58.1	52.3	90	60 - 125	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

USMPDI-003SC-A-03-04-201110

Laboratory:	Apex Laboratories			SDG:	A0K0482
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	SE	Laboratory ID:	A0K0482-03	File ID:	ECD9_210114_23.D
Sampled:	11/10/20 12:15	Prepared:	01/13/21 10:20	Analyzed:	01/14/21 10:39
Solids:	83.81	Preparation:	EPA 3546	Initial/Final:	10.34 g / 2 mL
Batch:	1012827	Sequence:	1A14017	Calibration:	A0I1705
Instrument:	DUALECD9R				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
12674-11-2	Aroclor 1016	1	2.31	U
11104-28-2	Aroclor 1221	1	2.31	U
11141-16-5	Aroclor 1232	1	2.31	U
53469-21-9	Aroclor 1242	1	2.31	U
12672-29-6	Aroclor 1248	1	2.31	U
11097-69-1	Aroclor 1254	1	2.31	U
11096-82-5	Aroclor 1260	1	2.31	U
37324-23-5	Aroclor 1262	1	2.31	U
11100-14-4	Aroclor 1268	1	2.31	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	57.7	60.7	105	60 - 125	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

USMPDI-003SC-A-04-05-201110

Laboratory:	Apex Laboratories			SDG:	A0K0482
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	SE	Laboratory ID:	A0K0482-04	File ID:	ECD9_210115_16.D
Sampled:	11/10/20 12:15	Prepared:	01/13/21 10:20	Analyzed:	01/15/21 10:26
Solids:	76.80	Preparation:	EPA 3546	Initial/Final:	10.62 g / 2 mL
Batch:	1012827	Sequence:	1A15008	Calibration:	A0K0502
Instrument:	DUALECD9F				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
12674-11-2	Aroclor 1016	1	2.45	U
11104-28-2	Aroclor 1221	1	2.45	U
11141-16-5	Aroclor 1232	1	2.45	U
53469-21-9	Aroclor 1242	1	2.45	U
12672-29-6	Aroclor 1248	1	2.45	U
11097-69-1	Aroclor 1254	1	2.45	U
11096-82-5	Aroclor 1260	1	2.45	U
37324-23-5	Aroclor 1262	1	2.45	U
11100-14-4	Aroclor 1268	1	2.45	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	61.3	52.7	86	60 - 125	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

USMPDI-1003SC-A-01-02-201110

Laboratory:	Apex Laboratories			SDG:	A0K0482
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	SE	Laboratory ID:	A0K0482-05	File ID:	ECD9_210115_20.D
Sampled:	11/10/20 12:15	Prepared:	01/13/21 10:20	Analyzed:	01/15/21 11:02
Solids:	69.13	Preparation:	EPA 3546	Initial/Final:	10.79 g / 2 mL
Batch:	1012827	Sequence:	1A15008	Calibration:	A0K0502
Instrument:	DUALECD9F				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
12674-11-2	Aroclor 1016	1	2.68	U
11104-28-2	Aroclor 1221	1	2.68	U
11141-16-5	Aroclor 1232	1	2.68	U
53469-21-9	Aroclor 1242	1	2.68	U
12672-29-6	Aroclor 1248	1	2.68	U
11097-69-1	Aroclor 1254	1	2.68	U
11096-82-5	Aroclor 1260	1	2.68	U
37324-23-5	Aroclor 1262	1	2.68	U
11100-14-4	Aroclor 1268	1	2.68	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	67.0	62.1	93	60 - 125	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

USMPDI-003SC-B-06-08-201110

Laboratory:	Apex Laboratories			SDG:	A0K0482
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	SE	Laboratory ID:	A0K0482-10	File ID:	ECD9_210115_24.D
Sampled:	11/10/20 11:55	Prepared:	01/13/21 10:20	Analyzed:	01/15/21 11:40
Solids:	83.31	Preparation:	EPA 3546	Initial/Final:	10.96 g / 2 mL
Batch:	1012827	Sequence:	1A15008	Calibration:	A0K0502
Instrument:	DUALECD9F				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
12674-11-2	Aroclor 1016	1	2.19	U
11104-28-2	Aroclor 1221	1	2.19	U
11141-16-5	Aroclor 1232	1	2.19	U
53469-21-9	Aroclor 1242	1	2.19	U
12672-29-6	Aroclor 1248	1	2.19	U
11097-69-1	Aroclor 1254	1	2.19	U
11096-82-5	Aroclor 1260	1	2.19	U
37324-23-5	Aroclor 1262	1	2.19	U
11100-14-4	Aroclor 1268	1	2.19	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	54.8	47.4	87	60 - 125	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

USMPDI-006SC-A-01-02-201110

Laboratory:	Apex Laboratories			SDG:	A0K0482
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	SE	Laboratory ID:	A0K0482-11	File ID:	ECD9_210115_28.D
Sampled:	11/10/20 09:25	Prepared:	01/13/21 10:20	Analyzed:	01/15/21 12:16
Solids:	61.49	Preparation:	EPA 3546	Initial/Final:	10.29 g / 2 mL
Batch:	1012827	Sequence:	1A15008	Calibration:	A0K0502
Instrument:	DUALECD9F				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
12674-11-2	Aroclor 1016	1	9.01	U
11104-28-2	Aroclor 1221	1	11.1	U
11141-16-5	Aroclor 1232	1	24.2	U
53469-21-9	Aroclor 1242	1	13.3	U
12672-29-6	Aroclor 1248	1	14.4	U
11097-69-1	Aroclor 1254	1	15.3	
11096-82-5	Aroclor 1260	1	9.66	
37324-23-5	Aroclor 1262	1	3.16	U
11100-14-4	Aroclor 1268	1	3.16	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	79.0	68.1	86	60 - 125	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

USMPDI-006SC-A-02-03-201110

Laboratory:	Apex Laboratories			SDG:	A0K0482
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	SE	Laboratory ID:	A0K0482-12	File ID:	ECD9_210115_11.D
Sampled:	11/10/20 09:25	Prepared:	01/13/21 10:20	Analyzed:	01/15/21 09:47
Solids:	69.17	Preparation:	EPA 3546	Initial/Final:	10.97 g / 2 mL
Batch:	1012827	Sequence:	1A15009	Calibration:	A0I1705
Instrument:	DUALECD9R				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
12674-11-2	Aroclor 1016	1	2.64	U
11104-28-2	Aroclor 1221	1	2.64	U
11141-16-5	Aroclor 1232	1	5.27	U
53469-21-9	Aroclor 1242	1	2.64	U
12672-29-6	Aroclor 1248	1	2.64	U
11097-69-1	Aroclor 1254	1	3.45	J
11096-82-5	Aroclor 1260	1	2.64	U
37324-23-5	Aroclor 1262	1	2.64	U
11100-14-4	Aroclor 1268	1	2.64	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	65.9	75.6	115	60 - 125	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

USMPDI-006SC-A-03-04-201110

Laboratory:	Apex Laboratories			SDG:	A0K0482
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	SE	Laboratory ID:	A0K0482-13	File ID:	ECD9_210115_15.D
Sampled:	11/10/20 09:25	Prepared:	01/13/21 10:20	Analyzed:	01/15/21 10:26
Solids:	81.09	Preparation:	EPA 3546	Initial/Final:	10.99 g / 2 mL
Batch:	1012827	Sequence:	1A15009	Calibration:	A0I1705
Instrument:	DUALECD9R				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
12674-11-2	Aroclor 1016	1	2.24	U
11104-28-2	Aroclor 1221	1	2.24	U
11141-16-5	Aroclor 1232	1	4.49	U
53469-21-9	Aroclor 1242	1	2.24	U
12672-29-6	Aroclor 1248	1	2.24	U
11097-69-1	Aroclor 1254	1	2.24	U
11096-82-5	Aroclor 1260	1	2.24	U
37324-23-5	Aroclor 1262	1	2.24	U
11100-14-4	Aroclor 1268	1	2.24	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	56.1	61.7	110	60 - 125	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

USMPDI-006SC-A-04-05-201110

Laboratory:	Apex Laboratories			SDG:	A0K0482
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	SE	Laboratory ID:	A0K0482-14	File ID:	ECD9_210115_19.D
Sampled:	11/10/20 09:25	Prepared:	01/13/21 10:20	Analyzed:	01/15/21 11:02
Solids:	83.20	Preparation:	EPA 3546	Initial/Final:	10.71 g / 2 mL
Batch:	1012827	Sequence:	1A15009	Calibration:	A0I1705
Instrument:	DUALECD9R				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
12674-11-2	Aroclor 1016	1	2.24	U
11104-28-2	Aroclor 1221	1	2.24	U
11141-16-5	Aroclor 1232	1	4.49	U
53469-21-9	Aroclor 1242	1	2.24	U
12672-29-6	Aroclor 1248	1	2.24	U
11097-69-1	Aroclor 1254	1	2.24	U
11096-82-5	Aroclor 1260	1	2.24	U
37324-23-5	Aroclor 1262	1	2.24	U
11100-14-4	Aroclor 1268	1	2.24	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	56.1	61.2	109	60 - 125	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

USMPDI-006SC-D-06-08-201110

Laboratory:	Apex Laboratories			SDG:	A0K0482
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	SE	Laboratory ID:	A0K0482-18	File ID:	ECD9_210115_23.D
Sampled:	11/10/20 09:05	Prepared:	01/13/21 10:20	Analyzed:	01/15/21 11:40
Solids:	79.00	Preparation:	EPA 3546	Initial/Final:	11 g / 2 mL
Batch:	1012827	Sequence:	1A15009	Calibration:	A0I1705
Instrument:	DUALECD9R				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
12674-11-2	Aroclor 1016	1	2.30	U
11104-28-2	Aroclor 1221	1	2.30	U
11141-16-5	Aroclor 1232	1	2.30	U
53469-21-9	Aroclor 1242	1	2.30	U
12672-29-6	Aroclor 1248	1	2.30	U
11097-69-1	Aroclor 1254	1	2.30	U
11096-82-5	Aroclor 1260	1	2.30	U
37324-23-5	Aroclor 1262	1	2.30	U
11100-14-4	Aroclor 1268	1	2.30	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	57.5	63.6	110	60 - 125	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

USMPDI-006SC-D-08-10-201110

Laboratory:	Apex Laboratories			SDG:	A0K0482
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	SE	Laboratory ID:	A0K0482-19	File ID:	ECD9_210115_27.D
Sampled:	11/10/20 09:05	Prepared:	01/13/21 10:20	Analyzed:	01/15/21 12:16
Solids:	75.87	Preparation:	EPA 3546	Initial/Final:	10.24 g / 2 mL
Batch:	1012827	Sequence:	1A15009	Calibration:	A0I1705
Instrument:	DUALECD9R				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
12674-11-2	Aroclor 1016	1	2.57	U
11104-28-2	Aroclor 1221	1	2.57	U
11141-16-5	Aroclor 1232	1	2.57	U
53469-21-9	Aroclor 1242	1	2.57	U
12672-29-6	Aroclor 1248	1	2.57	U
11097-69-1	Aroclor 1254	1	2.57	U
11096-82-5	Aroclor 1260	1	2.57	U
37324-23-5	Aroclor 1262	1	2.57	U
11100-14-4	Aroclor 1268	1	2.57	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	64.4	74.5	116	60 - 125	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

USMPDI-006SC-D-10-12-201110

Laboratory:	Apex Laboratories			SDG:	A0K0482
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	SE	Laboratory ID:	A0K0482-20	File ID:	ECD9_210115_31.D
Sampled:	11/10/20 09:05	Prepared:	01/13/21 10:20	Analyzed:	01/15/21 12:53
Solids:	72.78	Preparation:	EPA 3546	Initial/Final:	10.58 g / 2 mL
Batch:	1012827	Sequence:	1A15009	Calibration:	A0I1705
Instrument:	DUALECD9R				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
12674-11-2	Aroclor 1016	1	2.60	U
11104-28-2	Aroclor 1221	1	2.60	U
11141-16-5	Aroclor 1232	1	5.19	U
53469-21-9	Aroclor 1242	1	2.60	U
12672-29-6	Aroclor 1248	1	2.60	U
11097-69-1	Aroclor 1254	1	2.60	U
11096-82-5	Aroclor 1260	1	2.60	U
37324-23-5	Aroclor 1262	1	2.60	U
11100-14-4	Aroclor 1268	1	2.60	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	64.9	73.9	114	60 - 125	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

USMPDI-006SC-D-12-14-201110

Laboratory:	Apex Laboratories			SDG:	A0K0482
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	SE	Laboratory ID:	A0K0482-21	File ID:	ECD9_210114_07.D
Sampled:	11/10/20 09:05	Prepared:	01/13/21 10:20	Analyzed:	01/14/21 08:17
Solids:	73.57	Preparation:	EPA 3546	Initial/Final:	10.71 g / 2 mL
Batch:	1012827	Sequence:	1A14017	Calibration:	A0I1705
Instrument:	DUALECD9R				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
12674-11-2	Aroclor 1016	1	2.54	U
11104-28-2	Aroclor 1221	1	2.54	U
11141-16-5	Aroclor 1232	1	2.54	U
53469-21-9	Aroclor 1242	1	2.54	U
12672-29-6	Aroclor 1248	1	2.54	U
11097-69-1	Aroclor 1254	1	2.54	U
11096-82-5	Aroclor 1260	1	2.54	U
37324-23-5	Aroclor 1262	1	2.54	U
11100-14-4	Aroclor 1268	1	2.54	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	63.5	71.6	113	60 - 125	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8082A

USMPDI-1006SC-D-10-12-201110

Laboratory:	Apex Laboratories			SDG:	A0K0482
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	SE	Laboratory ID:	A0K0482-22	File ID:	ECD9_210114_19.D
Sampled:	11/10/20 09:05	Prepared:	01/13/21 10:20	Analyzed:	01/14/21 10:03
Solids:	73.78	Preparation:	EPA 3546	Initial/Final:	10.32 g / 2 mL
Batch:	1012827	Sequence:	1A14017	Calibration:	A0I1705
Instrument:	DUALECD9R				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
12674-11-2	Aroclor 1016	1	2.63	U
11104-28-2	Aroclor 1221	1	2.63	U
11141-16-5	Aroclor 1232	1	2.63	U
53469-21-9	Aroclor 1242	1	2.63	U
12672-29-6	Aroclor 1248	1	2.63	U
11097-69-1	Aroclor 1254	1	2.63	U
11096-82-5	Aroclor 1260	1	2.63	U
37324-23-5	Aroclor 1262	1	2.63	U
11100-14-4	Aroclor 1268	1	2.63	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	65.7	71.9	110	60 - 125	

* Values outside of QC limits

PREPARATION BATCH SUMMARY

EPA 8082A

Laboratory: Apex Laboratories SDG: A0K0482

Client: Anchor QEA, LLC Project: US Moorings -- C2, C3, C4

Batch: 1012827 Batch Matrix: Sediment Preparation: EPA 3546

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	1012827-BLK1	ECD9_210114_08.D	01/13/21 10:20	
LCS	1012827-BS1	ECD9_210114_10.D	01/13/21 10:20	
USMPDI-006SC-D-12-14-201110 (M	1012827-MS1	ECD9_210114_11.D	01/13/21 10:20	
USMPDI-003SC-A-03-04-201110 (M	1012827-MS2	ECD9_210114_27.D	01/13/21 10:20	
USMPDI-006SC-D-12-14-201110 (M	1012827-MSD1	ECD9_210114_15.D	01/13/21 10:20	
USMPDI-003SC-A-03-04-201110 (M	1012827-MSD2	ECD9_210114_31.D	01/13/21 10:20	
USMPDI-003SC-A-01-02-201110	A0K0482-01	ECD9_210115_08.D	01/13/21 10:20	
USMPDI-003SC-A-02-03-201110	A0K0482-02	ECD9_210115_12.D	01/13/21 10:20	
USMPDI-003SC-A-03-04-201110	A0K0482-03	ECD9_210114_23.D	01/13/21 10:20	
USMPDI-003SC-A-04-05-201110	A0K0482-04	ECD9_210115_16.D	01/13/21 10:20	
USMPDI-1003SC-A-01-02-201110	A0K0482-05	ECD9_210115_20.D	01/13/21 10:20	
USMPDI-003SC-B-06-08-201110	A0K0482-10	ECD9_210115_24.D	01/13/21 10:20	
USMPDI-006SC-A-01-02-201110	A0K0482-11	ECD9_210115_28.D	01/13/21 10:20	
USMPDI-006SC-A-02-03-201110	A0K0482-12	ECD9_210115_11.D	01/13/21 10:20	
USMPDI-006SC-A-03-04-201110	A0K0482-13	ECD9_210115_15.D	01/13/21 10:20	
USMPDI-006SC-A-04-05-201110	A0K0482-14	ECD9_210115_19.D	01/13/21 10:20	
USMPDI-006SC-D-06-08-201110	A0K0482-18	ECD9_210115_23.D	01/13/21 10:20	
USMPDI-006SC-D-08-10-201110	A0K0482-19	ECD9_210115_27.D	01/13/21 10:20	
USMPDI-006SC-D-10-12-201110	A0K0482-20	ECD9_210115_31.D	01/13/21 10:20	
USMPDI-006SC-D-12-14-201110	A0K0482-21	ECD9_210114_07.D	01/13/21 10:20	
USMPDI-1006SC-D-10-12-201110	A0K0482-22	ECD9_210114_19.D	01/13/21 10:20	

Note: Client samples are listed only if they are included in this report.
Duplicates and Matrix Spike/Duplicates QC Samples are only listed if sourced from a sample included in this report.

METHOD BLANK DATA SHEET

EPA 8082A

Laboratory:	Apex Laboratories			SDG:	A0K0482
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	Sediment	Laboratory ID:	1012827-BLK1	File ID:	ECD9_210114_08.D
Prepared:	01/13/21 10:20	Preparation:	EPA 3546	Initial/Final:	12 g / 2 mL
Analyzed:	01/14/21 08:17	Instrument:	DUALECD9F		
Batch:	1012827	Sequence:	1A14016	Calibration:	A0K0502

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
12674-11-2	Aroclor 1016	1.67	U
11104-28-2	Aroclor 1221	1.67	U
11141-16-5	Aroclor 1232	1.67	U
53469-21-9	Aroclor 1242	1.67	U
12672-29-6	Aroclor 1248	1.67	U
11097-69-1	Aroclor 1254	1.67	U
11096-82-5	Aroclor 1260	1.67	U
37324-23-5	Aroclor 1262	1.67	U
11100-14-4	Aroclor 1268	1.67	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg wet)	CONC (ug/kg wet)	% REC	QC LIMITS	Q
Decachlorobiphenyl (Surr)	41.7	39.6	95	60 - 125	

LCS / LCS DUPLICATE RECOVERY

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Matrix:	Sediment		
Batch:	1012827	Laboratory ID:	1012827-BS1
Preparation:	EPA 3546	Initial/Final:	10 g / 2 mL

COMPOUND	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC. (*=Out)	QC LIMITS REC.
Aroclor 1016	250	168	67	47 - 134
Aroclor 1260	250	180	72	53 - 140

* = Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 8082A

USMPDI-006SC-D-12-14-201110

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Matrix:	Sediment		
Batch:	1012827	Laboratory ID:	1012827-MS1
Preparation:	EPA 3546	Initial/Final:	10.57 g / 2 mL

Source Sample Name: USMPDI-006SC-D-12-14-201110

COMPOUND	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC. (*=Out)	QC LIMITS REC.
Aroclor 1016	321	ND	219	68	47 - 134
Aroclor 1260	321	ND	279	87	53 - 140

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 8082A

USMPDI-006SC-D-12-14-201110

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Matrix:	Sediment		
Batch:	1012827	Laboratory ID:	1012827-MSD1
Preparation:	EPA 3546	Initial/Final:	10.23 g / 2 mL

Source Sample Name: USMPDI-006SC-D-12-14-201110

COMPOUND	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % RECOVERY	% RPD	QC LIMITS RPD	QC LIMITS REC.
Aroclor 1016	332	233	70	6	30	47 - 134
Aroclor 1260	332	290	87	4	30	53 - 140

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 8082A

USMPDI-003SC-A-03-04-201110

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Matrix:	Sediment		
Batch:	1012827	Laboratory ID:	1012827-MS2
Preparation:	EPA 3546	Initial/Final:	10.22 g / 2 mL

Source Sample Name: USMPDI-003SC-A-03-04-201110

COMPOUND	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC. (*=Out)	QC LIMITS REC.
Aroclor 1016	292	ND	175	60	47 - 134
Aroclor 1260	292	ND	232	79	53 - 140

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 8082A

USMPDI-003SC-A-03-04-201110

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Matrix:	Sediment		
Batch:	1012827	Laboratory ID:	1012827-MSD2
Preparation:	EPA 3546	Initial/Final:	10.76 g / 2 mL

Source Sample Name: USMPDI-003SC-A-03-04-201110

COMPOUND	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % RECOVERY	% RPD	QC LIMITS RPD	QC LIMITS REC.
Aroclor 1016	277	169	61	4	30	47 - 134
Aroclor 1260	277	224	81	3	30	53 - 140

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	0I15055	Instrument:	DUALECD9R
Matrix:	Sediment	Calibration:	A0I1705

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Initial Cal Blank	0I15055-ICB1	ECD9_200915_09.D	09/15/20 14:22
Cal Standard	0I15055-CAL1	ECD9_200915_11.D	09/15/20 14:40
Cal Standard	0I15055-CAL2	ECD9_200915_13.D	09/15/20 14:58
Cal Standard	0I15055-CAL3	ECD9_200915_15.D	09/15/20 15:15
Cal Standard	0I15055-CAL4	ECD9_200915_17.D	09/15/20 15:33
Cal Standard	0I15055-CAL5	ECD9_200915_19.D	09/15/20 15:51
Cal Standard	0I15055-CAL6	ECD9_200915_21.D	09/15/20 16:09
Cal Standard	0I15055-CAL7	ECD9_200915_23.D	09/15/20 16:27
Initial Cal Check	0I15055-ICV1	ECD9_200915_27.D	09/15/20 17:03
Cal Standard	0I15055-CAL8	ECD9_200915_29.D	09/15/20 17:21
Cal Standard	0I15055-CAL9	ECD9_200915_31.D	09/15/20 17:39
Cal Standard	0I15055-CALA	ECD9_200915_33.D	09/15/20 17:56
Cal Standard	0I15055-CALB	ECD9_200915_35.D	09/15/20 18:14
Cal Standard	0I15055-CALC	ECD9_200915_37.D	09/15/20 18:32
Cal Standard	0I15055-CALD	ECD9_200915_39.D	09/15/20 18:50
Cal Standard	0I15055-CALE	ECD9_200915_41.D	09/15/20 19:08
Initial Cal Check	0I15055-ICV2	ECD9_200915_43.D	09/15/20 19:26
Initial Cal Check	0I15055-ICV3	ECD9_200915_45.D	09/15/20 19:44
Initial Cal Check	0I15055-ICV4	ECD9_200915_47.D	09/15/20 20:02
Initial Cal Check	0I15055-ICV5	ECD9_200915_49.D	09/15/20 20:20

Note: Client samples are listed only if they are included in this report.
Duplicates and Matrix Spike/Duplicates QC Samples are only listed if sourced from a sample included in this report.

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	0K02062	Instrument:	DUALECD9F
Matrix:	Sediment	Calibration:	A0K0502

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Initial Cal Blank	0K02062-ICB1	ECD9_201102_04.D	11/02/20 14:17
Cal Standard	0K02062-CAL1	ECD9_201102_06.D	11/02/20 14:35
Cal Standard	0K02062-CAL2	ECD9_201102_08.D	11/02/20 14:52
Cal Standard	0K02062-CAL3	ECD9_201102_10.D	11/02/20 15:10
Cal Standard	0K02062-CAL4	ECD9_201102_12.D	11/02/20 15:28
Cal Standard	0K02062-CAL5	ECD9_201102_14.D	11/02/20 15:46
Cal Standard	0K02062-CAL6	ECD9_201102_16.D	11/02/20 16:04
Cal Standard	0K02062-CAL7	ECD9_201102_18.D	11/02/20 16:22
Initial Cal Check	0K02062-ICV1	ECD9_201102_22.D	11/02/20 16:58
Cal Standard	0K02062-CAL8	ECD9_201102_24.D	11/02/20 17:16
Cal Standard	0K02062-CAL9	ECD9_201102_26.D	11/02/20 17:34
Cal Standard	0K02062-CALA	ECD9_201102_28.D	11/02/20 17:51
Cal Standard	0K02062-CALB	ECD9_201102_30.D	11/02/20 18:09
Cal Standard	0K02062-CALC	ECD9_201102_32.D	11/02/20 18:27
Cal Standard	0K02062-CALD	ECD9_201102_34.D	11/02/20 18:45
Cal Standard	0K02062-CALE	ECD9_201102_36.D	11/02/20 19:03
Initial Cal Check	0K02062-ICV2	ECD9_201102_38.D	11/02/20 19:21
Initial Cal Check	0K02062-ICV3	ECD9_201102_40.D	11/02/20 19:39
Initial Cal Check	0K02062-ICV4	ECD9_201102_42.D	11/02/20 19:57
Initial Cal Check	0K02062-ICV5	ECD9_201102_44.D	11/02/20 20:14

Note: Client samples are listed only if they are included in this report.
Duplicates and Matrix Spike/Duplicates QC Samples are only listed if sourced from a sample included in this report.

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	1A14016	Instrument:	DUALECD9F
Matrix:	Sediment	Calibration:	A0K0502

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1A14016-CCV1	ECD9_210114_04.D	01/14/21 07:39
Calibration Blank	1A14016-CCB1	ECD9_210114_06.D	01/14/21 07:59
Blank	1012827-BLK1	ECD9_210114_08.D	01/14/21 08:17
LCS	1012827-BS1	ECD9_210114_10.D	01/14/21 08:34
Calibration Check	1A14016-CCV2	ECD9_210114_36.D	01/14/21 12:26
Calibration Blank	1A14016-CCB2	ECD9_210114_38.D	01/14/21 12:44

Note: Client samples are listed only if they are included in this report.
Duplicates and Matrix Spike/Duplicates QC Samples are only listed if sourced from a sample included in this report.

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	1A14017	Instrument:	DUALECD9R
Matrix:	Sediment	Calibration:	A0I1705

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1A14017-CCV1	ECD9_210114_03.D	01/14/21 07:39
Calibration Blank	1A14017-CCB1	ECD9_210114_05.D	01/14/21 07:59
USMPDI-006SC-D-12-14-201110	A0K0482-21	ECD9_210114_07.D	01/14/21 08:17
USMPDI-006SC-D-12-14-201110 (M	1012827-MS1	ECD9_210114_11.D	01/14/21 08:52
USMPDI-006SC-D-12-14-201110 (M	1012827-MSD1	ECD9_210114_15.D	01/14/21 09:28
USMPDI-1006SC-D-10-12-201110	A0K0482-22	ECD9_210114_19.D	01/14/21 10:03
USMPDI-003SC-A-03-04-201110	A0K0482-03	ECD9_210114_23.D	01/14/21 10:39
USMPDI-003SC-A-03-04-201110 (M	1012827-MS2	ECD9_210114_27.D	01/14/21 11:15
USMPDI-003SC-A-03-04-201110 (M	1012827-MSD2	ECD9_210114_31.D	01/14/21 11:50
Calibration Check	1A14017-CCV2	ECD9_210114_35.D	01/14/21 12:26
Calibration Blank	1A14017-CCB2	ECD9_210114_37.D	01/14/21 12:44

Note: Client samples are listed only if they are included in this report.
Duplicates and Matrix Spike/Duplicates QC Samples are only listed if sourced from a sample included in this report.

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	1A15008	Instrument:	DUALECD9F
Matrix:	Sediment	Calibration:	A0K0502

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1A15008-CCV1	ECD9_210115_04.D	01/15/21 08:33
Calibration Blank	1A15008-CCB1	ECD9_210115_06.D	01/15/21 08:51
USMPDI-003SC-A-01-02-201110	A0K0482-01	ECD9_210115_08.D	01/15/21 09:11
USMPDI-003SC-A-02-03-201110	A0K0482-02	ECD9_210115_12.D	01/15/21 09:47
USMPDI-003SC-A-04-05-201110	A0K0482-04	ECD9_210115_16.D	01/15/21 10:26
USMPDI-1003SC-A-01-02-201110	A0K0482-05	ECD9_210115_20.D	01/15/21 11:02
USMPDI-003SC-B-06-08-201110	A0K0482-10	ECD9_210115_24.D	01/15/21 11:40
USMPDI-006SC-A-01-02-201110	A0K0482-11	ECD9_210115_28.D	01/15/21 12:16
Calibration Check	1A15008-CCV2	ECD9_210115_32.D	01/15/21 12:53
Calibration Blank	1A15008-CCB2	ECD9_210115_34.D	01/15/21 13:11

Note: Client samples are listed only if they are included in this report.
Duplicates and Matrix Spike/Duplicates QC Samples are only listed if sourced from a sample included in this report.

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	1A15009	Instrument:	DUALECD9R
Matrix:	Sediment	Calibration:	A0I1705

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1A15009-CCV1	ECD9_210115_07.D	01/15/21 09:11
Calibration Blank	1A15009-CCB1	ECD9_210115_09.D	01/15/21 09:29
USMPDI-006SC-A-02-03-201110	A0K0482-12	ECD9_210115_11.D	01/15/21 09:47
USMPDI-006SC-A-03-04-201110	A0K0482-13	ECD9_210115_15.D	01/15/21 10:26
USMPDI-006SC-A-04-05-201110	A0K0482-14	ECD9_210115_19.D	01/15/21 11:02
USMPDI-006SC-D-06-08-201110	A0K0482-18	ECD9_210115_23.D	01/15/21 11:40
USMPDI-006SC-D-08-10-201110	A0K0482-19	ECD9_210115_27.D	01/15/21 12:16
USMPDI-006SC-D-10-12-201110	A0K0482-20	ECD9_210115_31.D	01/15/21 12:53
Calibration Check	1A15009-CCV2	ECD9_210115_35.D	01/15/21 13:29
Calibration Blank	1A15009-CCB2	ECD9_210115_37.D	01/15/21 13:47

Note: Client samples are listed only if they are included in this report.
Duplicates and Matrix Spike/Duplicates QC Samples are only listed if sourced from a sample included in this report.

INITIAL CALIBRATION DATA (Summary)

EPA 8082A

Laboratory: Apex Laboratories SDG: A0K0482

Client: Anchor QEA, LLC Project: US Moorings -- C2, C3, C4

Calibration: A0I1705 Date: 09/17/20 13:02 Instrument: DUALECD9R

Compound	Mean RF	FIT	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aroclor 1016		Ave						20	
Aroclor 1221		Ave						20	
Aroclor 1232		Ave						20	
Aroclor 1242		Ave						20	
Aroclor 1248		Ave						20	
Aroclor 1254		Ave						20	
Aroclor 1260		Ave						20	
Aroclor 1268		Ave						20	
Decachlorobiphenyl (Surr)	710018.7	Ave	2.977648	10.863	1.339381E-02			20	

Note: ** Quad COD may be incorrect if weighting (1/a) or (1/a2) used. Weighting not shown here. Please see instrument calibration printouts for validation.

INITIAL CALIBRATION DATA

EPA 8082A

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Calibration: A0I1705
Instrument: DUALECD9R
Calibration Date: 09/17/20 13:02

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
1016 (1)	20	71098.05	50	62510.82	100	57844.69	200	53299	500	50790	1000	51635.23
1016 (2)	20	102755.8	50	96184.64	100	91491.74	200	88003.6	500	84876.49	1000	85248.32
1016 (3)	20	53105.1	50	47250.56	100	45001.37	200	40273.75	500	39594.8	1000	37510.87
1016 (4)	20	59300.85	50	52995.34	100	47664.02	200	44067.46	500	41544.04	1000	41182.42
1016 (5)	20	63823	50	57400.02	100	50550.43	200	47803.86	500	45477.16	1000	44497.96
1016 (6)	20	61252.7	50	55853.7	100	49024.16	200	47367.23	500	45842.32	1000	46234.72
Aroclor 1016	20	~~0~~	50	~~0~~	100	~~0~~	200	~~0~~	500	~~0~~	1000	~~0~~
1260 (1)	20	114361.9	50	101481	100	98716.36	200	92019.1	500	88990.46	1000	88597.57
1260 (2)	20	130933.9	50	123445.7	100	113599.5	200	111924.9	500	108376.4	1000	104664.2
1260 (3)	20	127049.5	50	118239.1	100	113461.1	200	108199.7	500	108724.6	1000	106885
1260 (4)	20	173429.9	50	170299	100	165729.5	200	161680.7	500	159016.9	1000	161907.4
1260 (5)	20	110407	50	103352.6	100	96980.27	200	90826.1	500	92233.86	1000	91264.09
1260 (6)	20	47918.6	50	43348.98	100	39209.3	200	37132.71	500	35301.32	1000	33158.4
Aroclor 1260	20	~~0~~	50	~~0~~	100	~~0~~	200	~~0~~	500	~~0~~	1000	~~0~~
Decachlorobiphenyl (Surr)	10	725559.4	25	705557.6	50	695309.2	100	715011.4	250	672014	500	722705.4

INITIAL CALIBRATION DATA (Continued)

EPA 8082A

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Calibration: A0I1705
Instrument: DUALECD9R
Matrix:
Calibration Date: 09/17/20 13:02

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
1016 (1)	1500	49807.85										
1016 (2)	1500	86901.66										
1016 (3)	1500	38835.16										
1016 (4)	1500	39697.31										
1016 (5)	1500	45485.18										
1016 (6)	1500	43485.21										
Aroclor 1016	1500	0										
1254 (1)											500	71177.84
1254 (2)											500	108885.3
1254 (3)											500	111519.2
1254 (4)											500	81762.46
1254 (5)											500	86301.19
1254 (6)											500	24136.06
Aroclor 1254											500	0
1260 (1)	1500	88764.47										
1260 (2)	1500	111011.9										
1260 (3)	1500	108796.8										
1260 (4)	1500	157840.8										
1260 (5)	1500	94988.27										
1260 (6)	1500	35026.24										
Aroclor 1260	1500	0										
Decachlorobiphenyl (Surr)	800	733973.8			200	0	200	0	200	0	200	0

INITIAL CALIBRATION DATA (Continued)

EPA 8082A

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Calibration: A0I1705
Instrument: DUALECD9R
Matrix:
Calibration Date: 09/17/20 13:02

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
1262 (1)	500	80043.77										
1262 (2)	500	113895.7										
1262 (3)	500	88336.14										
1262 (4)	500	170529.8										
1262 (5)	500	105288.8										
1262 (6)	500	45509.48										
Decachlorobiphenyl (Surr)	200	~~0~~	200	~~0~~								

INITIAL CALIBRATION DATA (Summary)

EPA 8082A

Laboratory: Apex Laboratories SDG: A0K0482

Client: Anchor QEA, LLC Project: US Moorings -- C2, C3, C4

Calibration: A0K0502 Date: 11/05/20 08:15 Instrument: DUALECD9F

Compound	Mean RF	FIT	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aroclor 1016		Ave						20	
Aroclor 1221		Ave						20	
Aroclor 1232		Ave						20	
Aroclor 1242		Ave						20	
Aroclor 1248		Ave						20	
Aroclor 1254		Ave						20	
Aroclor 1260		Ave						20	
Aroclor 1268		Ave						20	
Decachlorobiphenyl (Surr)	1291774	Ave	4.30786	9.736	9.485936E-03			20	

Note: ** Quad COD may be incorrect if weighting (1/a) or (1/a2) used. Weighting not shown here. Please see instrument calibration printouts for validation.

INITIAL CALIBRATION DATA

EPA 8082A

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Calibration: A0K0502
Instrument: DUALECD9F
Calibration Date: 11/05/20 08:15

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
1016 (1)	20	80122.4	50	72817.12	100	69129.17	200	63469.8	500	61018.12	1000	58513.85
1016 (2)	20	124532.8	50	118895.3	100	114393.2	200	112728.5	500	111639.7	1000	108496.2
1016 (3)	20	79076.3	50	73067.06	100	68117.78	200	64529.25	500	62573.28	1000	60889
1016 (4)	20	68545.5	50	62758.58	100	56879.94	200	54846.75	500	51648.3	1000	50315.87
1016 (5)	20	77800.5	50	73410.14	100	69252.66	200	63492.55	500	62203.9	1000	61189.6
1016 (6)	20	53719.9	50	49645.42	100	46954.14	200	44477.84	500	43800.62	1000	41633.43
Aroclor 1016	20	~~0~~	50	~~0~~	100	~~0~~	200	~~0~~	500	~~0~~	1000	~~0~~
1260 (1)	20	138852.2	50	130783.8	100	118914.6	200	116273.5	500	116020.5	1000	109854.1
1260 (2)	20	163033.8	50	159836.4	100	150529.2	200	146049.3	500	137602.9	1000	136400.5
1260 (3)	20	125713	50	118637.9	100	111709.7	200	106082.7	500	106791.1	1000	102819.6
1260 (4)	20	267517.3	50	267429.8	100	257848.2	200	246093.6	500	237251.8	1000	235906.6
1260 (5)	20	176694.2	50	172771.5	100	164655.2	200	159938.2	500	155136	1000	150785.6
1260 (6)	20	76066.55	50	73207.76	100	68386.9	200	65382.5	500	62946.02	1000	61149.82
Aroclor 1260	20	~~0~~	50	~~0~~	100	~~0~~	200	~~0~~	500	~~0~~	1000	~~0~~
Decachlorobiphenyl (Surr)	10	1367627	25	1333397	50	1302362	100	1237072	250	1236116	500	1234265

INITIAL CALIBRATION DATA (Continued)

EPA 8082A

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Calibration: A0K0502
Instrument: DUALECD9F
Matrix:
Calibration Date: 11/05/20 08:15

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
1016 (1)	1500	59029.86										
1016 (2)	1500	110468.4										
1016 (3)	1500	62177.55										
1016 (4)	1500	50987.51										
1016 (5)	1500	61822.16										
1016 (6)	1500	41290.23										
Aroclor 1016	1500	0										
1254 (1)											500	87531.96
1254 (2)											500	101646.7
1254 (3)											500	156040.8
1254 (4)											500	102181.3
1254 (5)											500	102949.8
1254 (6)											500	33113
Aroclor 1254											500	0
1260 (1)	1500	111975.8										
1260 (2)	1500	143931										
1260 (3)	1500	105730.4										
1260 (4)	1500	248276.1										
1260 (5)	1500	165222.3										
1260 (6)	1500	63393.52										
Aroclor 1260	1500	0										
Decachlorobiphenyl (Surr)	800	1331578			200	0	200	0	200	0	200	0

INITIAL CALIBRATION DATA (Continued)

EPA 8082A

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Calibration: A0K0502
Instrument: DUALECD9F
Matrix:
Calibration Date: 11/05/20 08:15

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
1262 (1)	500	103886.6										
1262 (2)	500	147648.6										
1262 (3)	500	124741.7										
1262 (4)	500	261341.2										
1262 (5)	500	157787.7										
1262 (6)	500	82817.4										
Decachlorobiphenyl (Surr)	200	~~0~~	200	~~0~~								

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Instrument ID:	DUALECD9R	Calibration:	A0I1705
Lab File ID:	ECD9_200915_27.D		
Sequence:	0I15055	Inject Date:	09/15/20
Lab Sample ID:	0I15055-ICV1	Inject Time:	17:03

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1016	500	421	-15.7	70 - 130
Aroclor 1260	500	441	-11.7	70 - 130
Decachlorobiphenyl (Surr)	200	170	-15.2	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Instrument ID:	DUALECD9R	Calibration:	A0I1705
Lab File ID:	ECD9_200915_43.D		
Sequence:	0I15055	Inject Date:	09/15/20
Lab Sample ID:	0I15055-ICV2	Inject Time:	19:26

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1221	1000	980	-2.0	70 - 130
Aroclor 1254	500	504	0.7	70 - 130
Decachlorobiphenyl (Surr)	80.0	85.6	7.0	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Instrument ID:	DUALECD9R	Calibration:	A0I1705
Lab File ID:	ECD9_200915_45.D		
Sequence:	0I15055	Inject Date:	09/15/20
Lab Sample ID:	0I15055-ICV3	Inject Time:	19:44

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1232	500	524	4.9	70 - 130
Aroclor 1262	500	494	-1.1	70 - 130
Decachlorobiphenyl (Surr)	80.0	85.2	6.5	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Instrument ID:	DUALECD9R	Calibration:	A0I1705
Lab File ID:	ECD9_200915_47.D		
Sequence:	0I15055	Inject Date:	09/15/20
Lab Sample ID:	0I15055-ICV4	Inject Time:	20:02

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1242	500	532	6.4	70 - 130
Aroclor 1268	500	520	4.0	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Instrument ID:	DUALECD9R	Calibration:	A0I1705
Lab File ID:	ECD9_200915_49.D		
Sequence:	0I15055	Inject Date:	09/15/20
Lab Sample ID:	0I15055-ICV5	Inject Time:	20:20

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1248	500	499	-0.2	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Instrument ID:	DUALECD9F	Calibration:	A0K0502
Lab File ID:	ECD9_201102_22.D		
Sequence:	0K02062	Inject Date:	11/02/20
Lab Sample ID:	0K02062-ICV1	Inject Time:	16:58

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1016	500	430	-14.0	70 - 130
Aroclor 1260	500	432	-13.7	70 - 130
Decachlorobiphenyl (Surr)	200	166	-17.2	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Instrument ID:	DUALECD9F	Calibration:	A0K0502
Lab File ID:	ECD9_201102_38.D		
Sequence:	0K02062	Inject Date:	11/02/20
Lab Sample ID:	0K02062-ICV2	Inject Time:	19:21

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1221	1000	1020	2.4	70 - 130
Aroclor 1254	500	511	2.2	70 - 130
Decachlorobiphenyl (Surr)	80.0	87.3	9.2	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Instrument ID:	DUALECD9F	Calibration:	A0K0502
Lab File ID:	ECD9_201102_40.D		
Sequence:	0K02062	Inject Date:	11/02/20
Lab Sample ID:	0K02062-ICV3	Inject Time:	19:39

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1232	500	545	9.0	70 - 130
Aroclor 1262	500	515	2.9	70 - 130
Decachlorobiphenyl (Surr)	80.0	91.0	13.8	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Instrument ID:	DUALECD9F	Calibration:	A0K0502
Lab File ID:	ECD9_201102_42.D		
Sequence:	0K02062	Inject Date:	11/02/20
Lab Sample ID:	0K02062-ICV4	Inject Time:	19:57

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1242	500	546	9.3	70 - 130
Aroclor 1268	500	516	3.3	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Instrument ID:	DUALECD9F	Calibration:	A0K0502
Lab File ID:	ECD9_201102_44.D		
Sequence:	0K02062	Inject Date:	11/02/20
Lab Sample ID:	0K02062-ICV5	Inject Time:	20:14

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Aroclor 1248	500	510	1.9	70 - 130

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Instrument ID:	DUALECD9F	Calibration:	A0K0502
Lab File ID:	ECD9_210114_04.D	Calibration Date:	11/05/20 08:15
Sequence:	1A14016	Injection Date:	01/14/21
Lab Sample ID:	1A14016-CCV1	Injection Time:	07:39

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
Aroclor 1016	Ave	500	444				-11.1	20
Aroclor 1260	Ave	500	450				-10.1	20

** Quadratic Curve fit may be weighted (1/a or 1/a2).

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Instrument ID:	DUALECD9F	Calibration:	A0K0502
Lab File ID:	ECD9_210114_36.D	Calibration Date:	11/05/20 08:15
Sequence:	1A14016	Injection Date:	01/14/21
Lab Sample ID:	1A14016-CCV2	Injection Time:	12:26

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
Aroclor 1016	Ave	500	448				-10.3	20
Aroclor 1260	Ave	500	465				-7.0	20

** Quadratic Curve fit may be weighted (1/a or 1/a2).

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Instrument ID:	DUALECD9R	Calibration:	A0I1705
Lab File ID:	ECD9_210114_03.D	Calibration Date:	09/17/20 13:02
Sequence:	1A14017	Injection Date:	01/14/21
Lab Sample ID:	1A14017-CCV1	Injection Time:	07:39

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
Aroclor 1016	Ave	500	425				-15.1	20
Aroclor 1260	Ave	500	511				2.3	20

** Quadratic Curve fit may be weighted (1/a or 1/a2).

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Instrument ID:	DUALECD9R	Calibration:	A0I1705
Lab File ID:	ECD9_210114_35.D	Calibration Date:	09/17/20 13:02
Sequence:	1A14017	Injection Date:	01/14/21
Lab Sample ID:	1A14017-CCV2	Injection Time:	12:26

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
Aroclor 1016	Ave	500	427				-14.7	20
Aroclor 1260	Ave	500	525				4.9	20

** Quadratic Curve fit may be weighted (1/a or 1/a2).

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Instrument ID:	DUALECD9F	Calibration:	A0K0502
Lab File ID:	ECD9_210115_04.D	Calibration Date:	11/05/20 08:15
Sequence:	1A15008	Injection Date:	01/15/21
Lab Sample ID:	1A15008-CCV1	Injection Time:	08:33

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
Aroclor 1016	Ave	500	451				-9.8	20
Aroclor 1260	Ave	500	460				-8.0	20

** Quadratic Curve fit may be weighted (1/a or 1/a2).

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Instrument ID:	DUALECD9F	Calibration:	A0K0502
Lab File ID:	ECD9_210115_32.D	Calibration Date:	11/05/20 08:15
Sequence:	1A15008	Injection Date:	01/15/21
Lab Sample ID:	1A15008-CCV2	Injection Time:	12:53

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
Aroclor 1016	Ave	500	454				-9.3	20
Aroclor 1260	Ave	500	458				-8.5	20

** Quadratic Curve fit may be weighted (1/a or 1/a2).

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Instrument ID:	DUALECD9R	Calibration:	A0I1705
Lab File ID:	ECD9_210115_07.D	Calibration Date:	09/17/20 13:02
Sequence:	1A15009	Injection Date:	01/15/21
Lab Sample ID:	1A15009-CCV1	Injection Time:	09:11

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
Aroclor 1016	Ave	500	478				-4.5	20
Aroclor 1260	Ave	500	540				7.9	20

** Quadratic Curve fit may be weighted (1/a or 1/a2).

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Instrument ID:	DUALECD9R	Calibration:	A0I1705
Lab File ID:	ECD9_210115_35.D	Calibration Date:	09/17/20 13:02
Sequence:	1A15009	Injection Date:	01/15/21
Lab Sample ID:	1A15009-CCV2	Injection Time:	13:29

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
Aroclor 1016	Ave	500	492				-1.6	20
Aroclor 1260	Ave	500	561				12.1	20

** Quadratic Curve fit may be weighted (1/a or 1/a2).

* = Values outside of QC limits

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	0I15055	Instrument:	DUALECD9R
Matrix:	Sediment	Calibration:	A0I1705

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Initial Cal Check (0I15055-ICV1)			Lab File ID: ECD9_200915_27.D		Analyzed: 09/15/20 17:03			
Decachlorobiphenyl (Surr)	200	85	70 - 130	10.862	10.863	-0.0010	+/-1.0	
Initial Cal Check (0I15055-ICV2)			Lab File ID: ECD9_200915_43.D		Analyzed: 09/15/20 19:26			
Decachlorobiphenyl (Surr)	80.0	107	70 - 130	10.861	10.863	-0.0020	+/-1.0	
Initial Cal Check (0I15055-ICV3)			Lab File ID: ECD9_200915_45.D		Analyzed: 09/15/20 19:44			
Decachlorobiphenyl (Surr)	80.0	107	70 - 130	10.862	10.863	-0.0010	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	0K02062	Instrument:	DUALECD9F
Matrix:	Sediment	Calibration:	A0K0502

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Initial Cal Check (0K02062-ICV1)			Lab File ID: ECD9_201102_22.D		Analyzed: 11/02/20 16:58			
Decachlorobiphenyl (Surr)	200	83	70 - 130	9.735	9.736	-0.0010	+/-1.0	
Initial Cal Check (0K02062-ICV2)			Lab File ID: ECD9_201102_38.D		Analyzed: 11/02/20 19:21			
Decachlorobiphenyl (Surr)	80.0	109	70 - 130	9.734	9.736	-0.0020	+/-1.0	
Initial Cal Check (0K02062-ICV3)			Lab File ID: ECD9_201102_40.D		Analyzed: 11/02/20 19:39			
Decachlorobiphenyl (Surr)	80.0	114	70 - 130	9.734	9.736	-0.0020	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	1A14016	Instrument:	DUALECD9F
Matrix:	Sediment	Calibration:	A0K0502

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (1A14016-CCV1)			Lab File ID: ECD9_210114_04.D		Analyzed: 01/14/21 07:39			
Decachlorobiphenyl (Surr)	250	89	80 - 120	9.687	9.736	-0.0490	+/-1.0	
Calibration Blank (1A14016-CCB1)			Lab File ID: ECD9_210114_06.D		Analyzed: 01/14/21 07:59			
Decachlorobiphenyl (Surr)	100	89	60 - 125	9.687	9.736	-0.0490	+/-1.0	
Blank (1012827-BLK1)			Lab File ID: ECD9_210114_08.D		Analyzed: 01/14/21 08:17			
Decachlorobiphenyl (Surr)	41.7	95	60 - 125	9.683	9.736	-0.0530	+/-1.0	
LCS (1012827-BS1)			Lab File ID: ECD9_210114_10.D		Analyzed: 01/14/21 08:34			
Decachlorobiphenyl (Surr)	50.0	92	60 - 125	9.683	9.736	-0.0530	+/-1.0	
Calibration Check (1A14016-CCV2)			Lab File ID: ECD9_210114_36.D		Analyzed: 01/14/21 12:26			
Decachlorobiphenyl (Surr)	250	94	80 - 120	9.683	9.736	-0.0530	+/-1.0	
Calibration Blank (1A14016-CCB2)			Lab File ID: ECD9_210114_38.D		Analyzed: 01/14/21 12:44			
Decachlorobiphenyl (Surr)	100	91	60 - 125	9.682	9.736	-0.0540	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	1A14017	Instrument:	DUALECD9R
Matrix:	Sediment	Calibration:	A0I1705

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (1A14017-CCV1)			Lab File ID: ECD9_210114_03.D		Analyzed: 01/14/21 07:39			
Decachlorobiphenyl (Surr)	250	103	80 - 120	10.831	10.863	-0.0320	+/-1.0	
Calibration Blank (1A14017-CCB1)			Lab File ID: ECD9_210114_05.D		Analyzed: 01/14/21 07:59			
Decachlorobiphenyl (Surr)	100	106	60 - 125	10.831	10.863	-0.0320	+/-1.0	
USMPDI-006SC-D-12-14-201110 (A0K0482-21)			Lab File ID: ECD9_210114_07.D		Analyzed: 01/14/21 08:17			
Decachlorobiphenyl (Surr)	63.5	113	60 - 125	10.83	10.863	-0.0330	+/-1.0	
Matrix Spike (1012827-MS1)			Lab File ID: ECD9_210114_11.D		Analyzed: 01/14/21 08:52			
Decachlorobiphenyl (Surr)	129	110	60 - 125	10.828	10.863	-0.0350	+/-1.0	
Matrix Spike Dup (1012827-MSD1)			Lab File ID: ECD9_210114_15.D		Analyzed: 01/14/21 09:28			
Decachlorobiphenyl (Surr)	66.4	107	60 - 125	10.829	10.863	-0.0340	+/-1.0	
USMPDI-1006SC-D-10-12-201110 (A0K0482-22)			Lab File ID: ECD9_210114_19.D		Analyzed: 01/14/21 10:03			
Decachlorobiphenyl (Surr)	65.7	110	60 - 125	10.829	10.863	-0.0340	+/-1.0	
USMPDI-003SC-A-03-04-201110 (A0K0482-03)			Lab File ID: ECD9_210114_23.D		Analyzed: 01/14/21 10:39			
Decachlorobiphenyl (Surr)	57.7	105	60 - 125	10.829	10.863	-0.0340	+/-1.0	
Matrix Spike (1012827-MS2)			Lab File ID: ECD9_210114_27.D		Analyzed: 01/14/21 11:15			
Decachlorobiphenyl (Surr)	58.4	100	60 - 125	10.828	10.863	-0.0350	+/-1.0	
Matrix Spike Dup (1012827-MSD2)			Lab File ID: ECD9_210114_31.D		Analyzed: 01/14/21 11:50			
Decachlorobiphenyl (Surr)	55.4	101	60 - 125	10.83	10.863	-0.0330	+/-1.0	
Calibration Check (1A14017-CCV2)			Lab File ID: ECD9_210114_35.D		Analyzed: 01/14/21 12:26			
Decachlorobiphenyl (Surr)	250	107	80 - 120	10.83	10.863	-0.0330	+/-1.0	
Calibration Blank (1A14017-CCB2)			Lab File ID: ECD9_210114_37.D		Analyzed: 01/14/21 12:44			
Decachlorobiphenyl (Surr)	100	106	60 - 125	10.83	10.863	-0.0330	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	1A15008	Instrument:	DUALECD9F
Matrix:	Sediment	Calibration:	A0K0502

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (1A15008-CCV1)			Lab File ID: ECD9_210115_04.D		Analyzed: 01/15/21 08:33			
Decachlorobiphenyl (Surr)	250	86	80 - 120	9.68	9.736	-0.0560	+/-1.0	
Calibration Blank (1A15008-CCB1)			Lab File ID: ECD9_210115_06.D		Analyzed: 01/15/21 08:51			
Decachlorobiphenyl (Surr)	100	91	60 - 125	9.677	9.736	-0.0590	+/-1.0	
USMPDI-003SC-A-01-02-201110 (A0K0482-01)			Lab File ID: ECD9_210115_08.D		Analyzed: 01/15/21 09:11			
Decachlorobiphenyl (Surr)	68.8	85	60 - 125	9.679	9.736	-0.0570	+/-1.0	
USMPDI-003SC-A-02-03-201110 (A0K0482-02)			Lab File ID: ECD9_210115_12.D		Analyzed: 01/15/21 09:47			
Decachlorobiphenyl (Surr)	58.1	90	60 - 125	9.674	9.736	-0.0620	+/-1.0	
USMPDI-003SC-A-04-05-201110 (A0K0482-04)			Lab File ID: ECD9_210115_16.D		Analyzed: 01/15/21 10:26			
Decachlorobiphenyl (Surr)	61.3	86	60 - 125	9.676	9.736	-0.0600	+/-1.0	
USMPDI-1003SC-A-01-02-201110 (A0K0482-05)			Lab File ID: ECD9_210115_20.D		Analyzed: 01/15/21 11:02			
Decachlorobiphenyl (Surr)	67.0	93	60 - 125	9.676	9.736	-0.0600	+/-1.0	
USMPDI-003SC-B-06-08-201110 (A0K0482-10)			Lab File ID: ECD9_210115_24.D		Analyzed: 01/15/21 11:40			
Decachlorobiphenyl (Surr)	54.8	87	60 - 125	9.675	9.736	-0.0610	+/-1.0	
USMPDI-006SC-A-01-02-201110 (A0K0482-11)			Lab File ID: ECD9_210115_28.D		Analyzed: 01/15/21 12:16			
Decachlorobiphenyl (Surr)	79.0	86	60 - 125	9.675	9.736	-0.0610	+/-1.0	
Calibration Check (1A15008-CCV2)			Lab File ID: ECD9_210115_32.D		Analyzed: 01/15/21 12:53			
Decachlorobiphenyl (Surr)	250	91	80 - 120	9.677	9.736	-0.0590	+/-1.0	
Calibration Blank (1A15008-CCB2)			Lab File ID: ECD9_210115_34.D		Analyzed: 01/15/21 13:11			
Decachlorobiphenyl (Surr)	100	91	60 - 125	9.676	9.736	-0.0600	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8082A

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	1A15009	Instrument:	DUALECD9R
Matrix:	Sediment	Calibration:	A0I1705

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (1A15009-CCV1)			Lab File ID: ECD9_210115_07.D		Analyzed: 01/15/21 09:11			
Decachlorobiphenyl (Surr)	250	109	80 - 120	10.789	10.863	-0.0740	+/-1.0	
Calibration Blank (1A15009-CCB1)			Lab File ID: ECD9_210115_09.D		Analyzed: 01/15/21 09:29			
Decachlorobiphenyl (Surr)	100	109	60 - 125	10.788	10.863	-0.0750	+/-1.0	
USMPDI-006SC-A-02-03-201110 (A0K0482-12)			Lab File ID: ECD9_210115_11.D		Analyzed: 01/15/21 09:47			
Decachlorobiphenyl (Surr)	65.9	115	60 - 125	10.787	10.863	-0.0760	+/-1.0	
USMPDI-006SC-A-03-04-201110 (A0K0482-13)			Lab File ID: ECD9_210115_15.D		Analyzed: 01/15/21 10:26			
Decachlorobiphenyl (Surr)	56.1	110	60 - 125	10.787	10.863	-0.0760	+/-1.0	
USMPDI-006SC-A-04-05-201110 (A0K0482-14)			Lab File ID: ECD9_210115_19.D		Analyzed: 01/15/21 11:02			
Decachlorobiphenyl (Surr)	56.1	109	60 - 125	10.788	10.863	-0.0750	+/-1.0	
USMPDI-006SC-D-06-08-201110 (A0K0482-18)			Lab File ID: ECD9_210115_23.D		Analyzed: 01/15/21 11:40			
Decachlorobiphenyl (Surr)	57.5	110	60 - 125	10.786	10.863	-0.0770	+/-1.0	
USMPDI-006SC-D-08-10-201110 (A0K0482-19)			Lab File ID: ECD9_210115_27.D		Analyzed: 01/15/21 12:16			
Decachlorobiphenyl (Surr)	64.4	116	60 - 125	10.785	10.863	-0.0780	+/-1.0	
USMPDI-006SC-D-10-12-201110 (A0K0482-20)			Lab File ID: ECD9_210115_31.D		Analyzed: 01/15/21 12:53			
Decachlorobiphenyl (Surr)	64.9	114	60 - 125	10.786	10.863	-0.0770	+/-1.0	
Calibration Check (1A15009-CCV2)			Lab File ID: ECD9_210115_35.D		Analyzed: 01/15/21 13:29			
Decachlorobiphenyl (Surr)	250	112	80 - 120	10.786	10.863	-0.0770	+/-1.0	
Calibration Blank (1A15009-CCB2)			Lab File ID: ECD9_210115_37.D		Analyzed: 01/15/21 13:47			
Decachlorobiphenyl (Surr)	100	112	60 - 125	10.785	10.863	-0.0780	+/-1.0	

HOLDING TIME SUMMARY

EPA 8082A

Laboratory: Apex Laboratories SDG: A0K0482

Client: Anchor QEA, LLC Project: US Moorings -- C2, C3, C4

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
USMPDI-003SC-A-01-02-201110	11/10/20 12:15	11/11/20 13:30	01/13/21 10:20	63.92	365.00	01/15/21 09:11	1.95	40.00	
USMPDI-003SC-A-02-03-201110	11/10/20 12:15	11/11/20 13:30	01/13/21 10:20	63.92	365.00	01/15/21 09:47	1.98	40.00	
USMPDI-003SC-A-03-04-201110	11/10/20 12:15	11/11/20 13:30	01/13/21 10:20	63.92	365.00	01/14/21 10:39	1.01	40.00	
USMPDI-003SC-A-04-05-201110	11/10/20 12:15	11/11/20 13:30	01/13/21 10:20	63.92	365.00	01/15/21 10:26	2.00	40.00	
USMPDI-1003SC-A-01-02-201110	11/10/20 12:15	11/11/20 13:30	01/13/21 10:20	63.92	365.00	01/15/21 11:02	2.03	40.00	
USMPDI-003SC-B-06-08-201110	11/10/20 11:55	11/11/20 13:30	01/13/21 10:20	63.93	365.00	01/15/21 11:40	2.06	40.00	
USMPDI-006SC-A-01-02-201110	11/10/20 09:25	11/11/20 13:30	01/13/21 10:20	64.04	365.00	01/15/21 12:16	2.08	40.00	
USMPDI-006SC-A-02-03-201110	11/10/20 09:25	11/11/20 13:30	01/13/21 10:20	64.04	365.00	01/15/21 09:47	1.98	40.00	
USMPDI-006SC-A-03-04-201110	11/10/20 09:25	11/11/20 13:30	01/13/21 10:20	64.04	365.00	01/15/21 10:26	2.00	40.00	
USMPDI-006SC-A-04-05-201110	11/10/20 09:25	11/11/20 13:30	01/13/21 10:20	64.04	365.00	01/15/21 11:02	2.03	40.00	
USMPDI-006SC-D-06-08-201110	11/10/20 09:05	11/11/20 13:30	01/13/21 10:20	64.05	365.00	01/15/21 11:40	2.06	40.00	
USMPDI-006SC-D-08-10-201110	11/10/20 09:05	11/11/20 13:30	01/13/21 10:20	64.05	365.00	01/15/21 12:16	2.08	40.00	
USMPDI-006SC-D-10-12-201110	11/10/20 09:05	11/11/20 13:30	01/13/21 10:20	64.05	365.00	01/15/21 12:53	2.11	40.00	
USMPDI-006SC-D-12-14-201110	11/10/20 09:05	11/11/20 13:30	01/13/21 10:20	64.05	365.00	01/14/21 08:17	0.91	40.00	
USMPDI-1006SC-D-10-12-201110	11/10/20 09:05	11/11/20 13:30	01/13/21 10:20	64.05	365.00	01/14/21 10:03	0.99	40.00	

Apex Laboratories

SDG: A0K0482

CLASS: GC

METHOD: EPA 8081B

ANALYSES DATA PACKAGE COVER PAGE

EPA 8081B

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4

Client Sample Id:	Lab Sample Id:	Matrix
USMPDI-003SC-A-01-02-201110	A0K0482-01	SE
USMPDI-003SC-A-02-03-201110	A0K0482-02	SE
USMPDI-003SC-A-03-04-201110	A0K0482-03	SE
USMPDI-003SC-A-04-05-201110	A0K0482-04	SE
USMPDI-1003SC-A-01-02-201110	A0K0482-05	SE
USMPDI-003SC-B-06-08-201110	A0K0482-10	SE
USMPDI-006SC-A-01-02-201110	A0K0482-11	SE
USMPDI-006SC-A-02-03-201110	A0K0482-12	SE
USMPDI-006SC-A-03-04-201110	A0K0482-13	SE
USMPDI-006SC-A-04-05-201110	A0K0482-14	SE
USMPDI-006SC-D-06-08-201110	A0K0482-18	SE
USMPDI-006SC-D-08-10-201110	A0K0482-19	SE
USMPDI-006SC-D-10-12-201110	A0K0482-20	SE
USMPDI-006SC-D-12-14-201110	A0K0482-21	SE
USMPDI-1006SC-D-10-12-201110	A0K0482-22	SE

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in computer-readable data submitted on diskette has been autorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures.

Signature: 
Name: David G. Jack

Forms Created: 2/3/2021 11:44AM
Title: Technical Manager

METHOD DETECTION AND REPORTING LIMITS

EPA 8081B

Laboratory: Apex Laboratories **SDG:** A0K0482

Client: Anchor QEA, LLC **Project:** US Moorings -- C2, C3, C4

Batch Matrix: Sediment

Analyte	MDL	MRL	Units
2,4'-DDD	0.500	1.00	ug/kg
2,4'-DDD [2C]	0.500	1.00	ug/kg
2,4'-DDE [2C]	0.500	1.00	ug/kg
2,4'-DDT [2C]	0.500	1.00	ug/kg
4,4'-DDD [2C]	0.500	1.00	ug/kg
4,4'-DDE	0.500	1.00	ug/kg
4,4'-DDE [2C]	0.500	1.00	ug/kg
4,4'-DDT [2C]	0.500	1.00	ug/kg

Note: MDLs are listed only if the corresponding analyte was evalutated to the MDL in this report .

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

USMPDI-003SC-A-01-02-201110

Laboratory:	Apex Laboratories			SDG:	A0K0482
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	SE	Laboratory ID:	A0K0482-01RE1	File ID:	ECD3-01182116.D
Sampled:	11/10/20 12:15	Prepared:	01/06/21 11:23	Analyzed:	01/18/21 16:49
Solids:	67.56	Preparation:	EPA 3546/3640A (GPC)	Initial/Final:	10.6 g / 10 mL
Batch:	1012907	Sequence:	1A18049	Calibration:	A0L2210
Instrument:	DUALECD3				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD [2C]	1	1.40	U
3424-82-6	2,4'-DDE [2C]	1	1.40	U
789-02-6	2,4'-DDT [2C]	1	1.40	U
72-54-8	4,4'-DDD [2C]	1	1.40	U
72-55-9	4,4'-DDE [2C]	1	1.40	U
50-29-3	4,4'-DDT [2C]	1	1.40	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	69.8	21.3	30	42 - 129	*
Decachlorobiphenyl (Surr) [2C]	69.8	61.0	87	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

USMPDI-003SC-A-02-03-201110

Laboratory:	Apex Laboratories			SDG:	A0K0482
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	SE	Laboratory ID:	A0K0482-02RE1	File ID:	ECD3-01182118.D
Sampled:	11/10/20 12:15	Prepared:	01/06/21 11:23	Analyzed:	01/18/21 17:24
Solids:	78.85	Preparation:	EPA 3546/3640A (GPC)	Initial/Final:	10.16 g / 10 mL
Batch:	1012907	Sequence:	1A18049	Calibration:	A0L2210
Instrument:	DUALECD3				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD [2C]	1	1.25	U
3424-82-6	2,4'-DDE [2C]	1	1.25	U
789-02-6	2,4'-DDT [2C]	1	1.25	U
72-54-8	4,4'-DDD [2C]	1	1.25	U
72-55-9	4,4'-DDE [2C]	1	1.25	U
50-29-3	4,4'-DDT [2C]	1	1.25	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	62.4	39.1	63	42 - 129	
Decachlorobiphenyl (Surr) [2C]	62.4	63.0	101	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

USMPDI-003SC-A-03-04-201110

Laboratory:	Apex Laboratories			SDG:	A0K0482
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	SE	Laboratory ID:	A0K0482-03RE1	File ID:	ECD3-01182119.D
Sampled:	11/10/20 12:15	Prepared:	01/06/21 11:23	Analyzed:	01/18/21 17:41
Solids:	83.81	Preparation:	EPA 3546/3640A (GPC)	Initial/Final:	10.27 g / 10 mL
Batch:	1012907	Sequence:	1A18049	Calibration:	A0L2210
Instrument:	DUALECD3				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD [2C]	1	1.16	U
3424-82-6	2,4'-DDE [2C]	1	1.16	U
789-02-6	2,4'-DDT [2C]	1	1.16	U
72-54-8	4,4'-DDD [2C]	1	1.16	U
72-55-9	4,4'-DDE [2C]	1	1.16	U
50-29-3	4,4'-DDT [2C]	1	1.16	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	58.1	30.0	52	42 - 129	
Decachlorobiphenyl (Surr) [2C]	58.1	58.6	101	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

USMPDI-003SC-A-04-05-201110

Laboratory:	Apex Laboratories			SDG:	A0K0482
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	SE	Laboratory ID:	A0K0482-04RE1	File ID:	ECD3-01182125.D
Sampled:	11/10/20 12:15	Prepared:	01/06/21 11:23	Analyzed:	01/18/21 19:23
Solids:	76.80	Preparation:	EPA 3546/3640A (GPC)	Initial/Final:	10.45 g / 10 mL
Batch:	1012907	Sequence:	1A18049	Calibration:	A0L2210
Instrument:	DUALECD3				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD [2C]	1	1.25	U
3424-82-6	2,4'-DDE [2C]	1	1.25	U
789-02-6	2,4'-DDT [2C]	1	1.25	U
72-54-8	4,4'-DDD [2C]	1	1.25	U
50-29-3	4,4'-DDT [2C]	1	1.25	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	62.3	32.2	52	42 - 129	
Decachlorobiphenyl (Surr) [2C]	62.3	61.6	99	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

USMPDI-003SC-A-04-05-201110

Laboratory:	Apex Laboratories			SDG:	A0K0482
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	SE	Laboratory ID:	A0K0482-04RE2	File ID:	ECD3-01212107.D
Sampled:	11/10/20 12:15	Prepared:	01/06/21 11:23	Analyzed:	01/21/21 13:52
Solids:	76.80	Preparation:	EPA 3546/3640A (GPC)	Initial/Final:	10.45 g / 10 mL
Batch:	1012907	Sequence:	1A21053	Calibration:	A0L2210
Instrument:	DUALECD3				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
72-55-9	4,4'-DDE [2C]	1	1.25	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	62.3	33.2	53	42 - 129	
Decachlorobiphenyl (Surr) [2C]	62.3	65.3	105	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

USMPDI-1003SC-A-01-02-201110

Laboratory:	Apex Laboratories			SDG:	A0K0482
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	SE	Laboratory ID:	A0K0482-05RE1	File ID:	ECD3-01182126.D
Sampled:	11/10/20 12:15	Prepared:	01/06/21 11:23	Analyzed:	01/18/21 19:40
Solids:	69.13	Preparation:	EPA 3546/3640A (GPC)	Initial/Final:	10.45 g / 10 mL
Batch:	1012907	Sequence:	1A18049	Calibration:	A0L2210
Instrument:	DUALECD3				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD [2C]	1	1.38	U
3424-82-6	2,4'-DDE [2C]	1	1.38	U
789-02-6	2,4'-DDT [2C]	1	1.38	U
72-54-8	4,4'-DDD [2C]	1	1.38	U
50-29-3	4,4'-DDT [2C]	1	1.38	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	69.2	42.2	61	42 - 129	
Decachlorobiphenyl (Surr) [2C]	69.2	64.8	94	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

USMPDI-1003SC-A-01-02-201110

Laboratory:	Apex Laboratories		SDG:	A0K0482	
Client:	Anchor QEA, LLC		Project:	US Moorings -- C2, C3, C4	
Matrix:	SE	Laboratory ID:	A0K0482-05RE2	File ID:	ECD3-01212108.D
Sampled:	11/10/20 12:15	Prepared:	01/06/21 11:23	Analyzed:	01/21/21 14:09
Solids:	69.13	Preparation:	EPA 3546/3640A (GPC)	Initial/Final:	10.45 g / 10 mL
Batch:	1012907	Sequence:	1A21053	Calibration:	A0L2210
Instrument:	DUALECD3				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
72-55-9	4,4'-DDE [2C]	1	1.38	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	69.2	42.9	62	42 - 129	
Decachlorobiphenyl (Surr) [2C]	69.2	66.8	97	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

USMPDI-003SC-B-06-08-201110

Laboratory:	Apex Laboratories			SDG:	A0K0482
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	SE	Laboratory ID:	A0K0482-10RE1	File ID:	ECD3-01182127.D
Sampled:	11/10/20 11:55	Prepared:	01/06/21 11:23	Analyzed:	01/18/21 19:57
Solids:	83.31	Preparation:	EPA 3546/3640A (GPC)	Initial/Final:	10.67 g / 10 mL
Batch:	1012907	Sequence:	1A18049	Calibration:	A0L2210
Instrument:	DUALECD3				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD [2C]	1	1.13	U
3424-82-6	2,4'-DDE [2C]	1	1.13	U
789-02-6	2,4'-DDT [2C]	1	1.13	U
72-54-8	4,4'-DDD [2C]	1	1.13	U
50-29-3	4,4'-DDT [2C]	1	1.13	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	56.3	34.7	62	42 - 129	
Decachlorobiphenyl (Surr) [2C]	56.3	49.5	88	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

USMPDI-003SC-B-06-08-201110

Laboratory:	Apex Laboratories		SDG:	A0K0482	
Client:	Anchor QEA, LLC		Project:	US Moorings -- C2, C3, C4	
Matrix:	SE	Laboratory ID:	A0K0482-10RE2	File ID:	ECD3-01212109.D
Sampled:	11/10/20 11:55	Prepared:	01/06/21 11:23	Analyzed:	01/21/21 14:26
Solids:	83.31	Preparation:	EPA 3546/3640A (GPC)	Initial/Final:	10.67 g / 10 mL
Batch:	1012907	Sequence:	1A21053	Calibration:	A0L2210
Instrument:	DUALECD3				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
72-55-9	4,4'-DDE [2C]	1	1.13	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	56.3	36.1	64	42 - 129	
Decachlorobiphenyl (Surr) [2C]	56.3	53.0	94	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

USMPDI-006SC-A-01-02-201110

Laboratory:	Apex Laboratories			SDG:	A0K0482
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	SE	Laboratory ID:	A0K0482-11RE1	File ID:	ECD3-01182128.D
Sampled:	11/10/20 09:25	Prepared:	01/06/21 11:23	Analyzed:	01/18/21 20:14
Solids:	61.49	Preparation:	EPA 3546/3640A (GPC)	Initial/Final:	10.63 g / 10 mL
Batch:	1012907	Sequence:	1A18049	Calibration:	A0L2210
Instrument:	DUALECD3				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD	1	3.21	U
3424-82-6	2,4'-DDE [2C]	1	4.28	U
789-02-6	2,4'-DDT [2C]	1	3.06	U
72-54-8	4,4'-DDD [2C]	1	9.37	
50-29-3	4,4'-DDT [2C]	1	3.06	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	76.5	44.7	58	42 - 129	
Decachlorobiphenyl (Surr) [2C]	76.5	73.7	96	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

USMPDI-006SC-A-01-02-201110

Laboratory:	Apex Laboratories			SDG:	A0K0482
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	SE	Laboratory ID:	A0K0482-11RE2	File ID:	ECD3-01212110.D
Sampled:	11/10/20 09:25	Prepared:	01/06/21 11:23	Analyzed:	01/21/21 14:43
Solids:	61.49	Preparation:	EPA 3546/3640A (GPC)	Initial/Final:	10.63 g / 10 mL
Batch:	1012907	Sequence:	1A21053	Calibration:	A0L2210
Instrument:	DUALECD3				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
72-55-9	4,4'-DDE	1	4.07	

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	76.5	44.8	59	42 - 129	
Decachlorobiphenyl (Surr) [2C]	76.5	68.8	90	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

USMPDI-006SC-A-02-03-201110

Laboratory:	Apex Laboratories			SDG:	A0K0482
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	SE	Laboratory ID:	A0K0482-12RE1	File ID:	ECD3-01182130.D
Sampled:	11/10/20 09:25	Prepared:	01/06/21 11:23	Analyzed:	01/18/21 20:51
Solids:	69.17	Preparation:	EPA 3546/3640A (GPC)	Initial/Final:	10.13 g / 10 mL
Batch:	1012907	Sequence:	1A18049	Calibration:	A0L2210
Instrument:	DUALECD3				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD [2C]	1	1.43	U
3424-82-6	2,4'-DDE [2C]	1	1.43	U
789-02-6	2,4'-DDT [2C]	1	1.43	U
72-54-8	4,4'-DDD [2C]	1	1.43	U
50-29-3	4,4'-DDT [2C]	1	1.43	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	71.4	36.1	51	42 - 129	
Decachlorobiphenyl (Surr) [2C]	71.4	60.2	84	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

USMPDI-006SC-A-02-03-201110

Laboratory:	Apex Laboratories			SDG:	A0K0482
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	SE	Laboratory ID:	A0K0482-12RE2	File ID:	ECD3-01212112.D
Sampled:	11/10/20 09:25	Prepared:	01/06/21 11:23	Analyzed:	01/21/21 15:21
Solids:	69.17	Preparation:	EPA 3546/3640A (GPC)	Initial/Final:	10.13 g / 10 mL
Batch:	1012907	Sequence:	1A21053	Calibration:	A0L2210
Instrument:	DUALECD3				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
72-55-9	4,4'-DDE [2C]	1	1.43	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	71.4	42.7	60	42 - 129	
Decachlorobiphenyl (Surr) [2C]	71.4	74.4	104	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

USMPDI-006SC-A-03-04-201110

Laboratory:	Apex Laboratories			SDG:	A0K0482
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	SE	Laboratory ID:	A0K0482-13RE1	File ID:	ECD3-01182131.D
Sampled:	11/10/20 09:25	Prepared:	01/06/21 11:23	Analyzed:	01/18/21 21:08
Solids:	81.09	Preparation:	EPA 3546/3640A (GPC)	Initial/Final:	10.29 g / 10 mL
Batch:	1012907	Sequence:	1A18049	Calibration:	A0L2210
Instrument:	DUALECD3				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD [2C]	1	1.20	U
3424-82-6	2,4'-DDE [2C]	1	1.20	U
789-02-6	2,4'-DDT [2C]	1	1.20	U
72-54-8	4,4'-DDD [2C]	1	1.20	U
50-29-3	4,4'-DDT [2C]	1	1.20	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	59.9	40.5	68	42 - 129	
Decachlorobiphenyl (Surr) [2C]	59.9	57.6	96	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

USMPDI-006SC-A-03-04-201110

Laboratory:	Apex Laboratories		SDG:	A0K0482	
Client:	Anchor QEA, LLC		Project:	US Moorings -- C2, C3, C4	
Matrix:	SE	Laboratory ID:	A0K0482-13RE2	File ID:	ECD3-01212113.D
Sampled:	11/10/20 09:25	Prepared:	01/06/21 11:23	Analyzed:	01/21/21 15:38
Solids:	81.09	Preparation:	EPA 3546/3640A (GPC)	Initial/Final:	10.29 g / 10 mL
Batch:	1012907	Sequence:	1A21053	Calibration:	A0L2210
Instrument:	DUALECD3				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
72-55-9	4,4'-DDE [2C]	1	1.20	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	59.9	43.1	72	42 - 129	
Decachlorobiphenyl (Surr) [2C]	59.9	65.5	109	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

USMPDI-006SC-A-04-05-201110

Laboratory:	Apex Laboratories			SDG:	A0K0482
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	SE	Laboratory ID:	A0K0482-14RE1	File ID:	ECD3-01182132.D
Sampled:	11/10/20 09:25	Prepared:	01/06/21 11:23	Analyzed:	01/18/21 21:25
Solids:	83.20	Preparation:	EPA 3546/3640A (GPC)	Initial/Final:	10.49 g / 10 mL
Batch:	1012907	Sequence:	1A18049	Calibration:	A0L2210
Instrument:	DUALECD3				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD [2C]	1	1.15	U
3424-82-6	2,4'-DDE [2C]	1	1.15	U
789-02-6	2,4'-DDT [2C]	1	1.15	U
72-54-8	4,4'-DDD [2C]	1	1.15	U
50-29-3	4,4'-DDT [2C]	1	1.15	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	57.3	29.8	52	42 - 129	
Decachlorobiphenyl (Surr) [2C]	57.3	47.6	83	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

USMPDI-006SC-A-04-05-201110

Laboratory:	Apex Laboratories			SDG:	A0K0482
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	SE	Laboratory ID:	A0K0482-14RE2	File ID:	ECD3-01212114.D
Sampled:	11/10/20 09:25	Prepared:	01/06/21 11:23	Analyzed:	01/21/21 15:55
Solids:	83.20	Preparation:	EPA 3546/3640A (GPC)	Initial/Final:	10.49 g / 10 mL
Batch:	1012907	Sequence:	1A21053	Calibration:	A0L2210
Instrument:	DUALECD3				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
72-55-9	4,4'-DDE [2C]	1	1.15	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	57.3	34.4	60	42 - 129	
Decachlorobiphenyl (Surr) [2C]	57.3	59.3	103	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

USMPDI-006SC-D-06-08-201110

Laboratory:	Apex Laboratories			SDG:	A0K0482
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	SE	Laboratory ID:	A0K0482-18RE1	File ID:	ECD3-01182133.D
Sampled:	11/10/20 09:05	Prepared:	01/06/21 11:23	Analyzed:	01/18/21 21:42
Solids:	79.00	Preparation:	EPA 3546/3640A (GPC)	Initial/Final:	10.77 g / 10 mL
Batch:	1012907	Sequence:	1A18049	Calibration:	A0L2210
Instrument:	DUALECD3				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD [2C]	1	1.18	U
3424-82-6	2,4'-DDE [2C]	1	1.18	U
789-02-6	2,4'-DDT [2C]	1	1.18	U
72-54-8	4,4'-DDD [2C]	1	1.18	U
50-29-3	4,4'-DDT [2C]	1	1.18	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	58.8	31.7	54	42 - 129	
Decachlorobiphenyl (Surr) [2C]	58.8	51.9	88	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

USMPDI-006SC-D-06-08-201110

Laboratory:	Apex Laboratories		SDG:	A0K0482	
Client:	Anchor QEA, LLC		Project:	US Moorings -- C2, C3, C4	
Matrix:	SE	Laboratory ID:	A0K0482-18RE2	File ID:	ECD3-01212115.D
Sampled:	11/10/20 09:05	Prepared:	01/06/21 11:23	Analyzed:	01/21/21 16:12
Solids:	79.00	Preparation:	EPA 3546/3640A (GPC)	Initial/Final:	10.77 g / 10 mL
Batch:	1012907	Sequence:	1A21053	Calibration:	A0L2210	Instrument:	DUALECD3

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
72-55-9	4,4'-DDE [2C]	1	1.18	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	58.8	37.3	63	42 - 129	
Decachlorobiphenyl (Surr) [2C]	58.8	58.3	99	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

USMPDI-006SC-D-08-10-201110

Laboratory:	Apex Laboratories			SDG:	A0K0482
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	SE	Laboratory ID:	A0K0482-19RE1	File ID:	ECD3-01182137.D
Sampled:	11/10/20 09:05	Prepared:	01/06/21 11:23	Analyzed:	01/18/21 22:50
Solids:	75.87	Preparation:	EPA 3546/3640A (GPC)	Initial/Final:	10.61 g / 10 mL
Batch:	1012907	Sequence:	1A18049	Calibration:	A0L2210
Instrument:	DUALECD3				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD [2C]	1	1.24	U
3424-82-6	2,4'-DDE [2C]	1	1.24	U
789-02-6	2,4'-DDT [2C]	1	1.24	U
72-54-8	4,4'-DDD [2C]	1	1.24	U
50-29-3	4,4'-DDT [2C]	1	1.24	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	62.1	36.1	58	42 - 129	
Decachlorobiphenyl (Surr) [2C]	62.1	55.0	89	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

USMPDI-006SC-D-08-10-201110

Laboratory:	Apex Laboratories			SDG:	A0K0482
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	SE	Laboratory ID:	A0K0482-19RE2	File ID:	ECD3-01212116.D
Sampled:	11/10/20 09:05	Prepared:	01/06/21 11:23	Analyzed:	01/21/21 16:29
Solids:	75.87	Preparation:	EPA 3546/3640A (GPC)	Initial/Final:	10.61 g / 10 mL
Batch:	1012907	Sequence:	1A21053	Calibration:	A0L2210
Instrument:	DUALECD3				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
72-55-9	4,4'-DDE [2C]	1	1.24	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	62.1	43.9	71	42 - 129	
Decachlorobiphenyl (Surr) [2C]	62.1	61.5	99	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

USMPDI-006SC-D-10-12-201110

Laboratory:	Apex Laboratories			SDG:	A0K0482
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	SE	Laboratory ID:	A0K0482-20RE1	File ID:	ECD3-01182138.D
Sampled:	11/10/20 09:05	Prepared:	01/06/21 11:23	Analyzed:	01/18/21 23:07
Solids:	72.78	Preparation:	EPA 3546/3640A (GPC)	Initial/Final:	10.45 g / 10 mL
Batch:	1012907	Sequence:	1A18049	Calibration:	A0L2210
Instrument:	DUALECD3				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD [2C]	1	1.31	U
3424-82-6	2,4'-DDE [2C]	1	1.31	U
789-02-6	2,4'-DDT [2C]	1	1.31	U
72-54-8	4,4'-DDD [2C]	1	1.31	U
50-29-3	4,4'-DDT [2C]	1	1.31	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	65.7	37.4	57	42 - 129	
Decachlorobiphenyl (Surr) [2C]	65.7	59.1	90	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

USMPDI-006SC-D-10-12-201110

Laboratory:	Apex Laboratories			SDG:	A0K0482
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	SE	Laboratory ID:	A0K0482-20RE2	File ID:	ECD3-01212117.D
Sampled:	11/10/20 09:05	Prepared:	01/06/21 11:23	Analyzed:	01/21/21 16:46
Solids:	72.78	Preparation:	EPA 3546/3640A (GPC)	Initial/Final:	10.45 g / 10 mL
Batch:	1012907	Sequence:	1A21053	Calibration:	A0L2210
Instrument:	DUALECD3				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
72-55-9	4,4'-DDE [2C]	1	1.31	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	65.7	43.3	66	42 - 129	
Decachlorobiphenyl (Surr) [2C]	65.7	64.9	99	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

USMPDI-006SC-D-12-14-201110

Laboratory:	Apex Laboratories			SDG:	A0K0482
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	SE	Laboratory ID:	A0K0482-21RE1	File ID:	ECD3-01182139.D
Sampled:	11/10/20 09:05	Prepared:	01/06/21 11:23	Analyzed:	01/18/21 23:24
Solids:	73.57	Preparation:	EPA 3546/3640A (GPC)	Initial/Final:	10.49 g / 10 mL
Batch:	1012907	Sequence:	1A18049	Calibration:	A0L2210
Instrument:	DUALECD3				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD [2C]	1	1.30	U
3424-82-6	2,4'-DDE [2C]	1	1.30	U
789-02-6	2,4'-DDT [2C]	1	1.30	U
72-54-8	4,4'-DDD [2C]	1	1.30	U
50-29-3	4,4'-DDT [2C]	1	1.30	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	64.8	48.7	75	42 - 129	
Decachlorobiphenyl (Surr) [2C]	64.8	70.3	108	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

USMPDI-006SC-D-12-14-201110

Laboratory:	Apex Laboratories			SDG:	A0K0482
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	SE	Laboratory ID:	A0K0482-21RE2	File ID:	ECD3-01212121.D
Sampled:	11/10/20 09:05	Prepared:	01/06/21 11:23	Analyzed:	01/21/21 17:55
Solids:	73.57	Preparation:	EPA 3546/3640A (GPC)	Initial/Final:	10.49 g / 10 mL
Batch:	1012907	Sequence:	1A21053	Calibration:	A0L2210
Instrument:	DUALECD3				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
72-55-9	4,4'-DDE [2C]	1	1.30	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	64.8	47.3	73	42 - 129	
Decachlorobiphenyl (Surr) [2C]	64.8	69.0	107	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

USMPDI-1006SC-D-10-12-201110

Laboratory:	Apex Laboratories		SDG:	A0K0482	
Client:	Anchor QEA, LLC		Project:	US Moorings -- C2, C3, C4	
Matrix:	SE	Laboratory ID:	A0K0482-22RE1	File ID:	ECD3-01182142.D
Sampled:	11/10/20 09:05	Prepared:	01/06/21 11:23	Analyzed:	01/19/21 00:15
Solids:	73.78	Preparation:	EPA 3546/3640A (GPC)	Initial/Final:	10.33 g / 10 mL
Batch:	1012907	Sequence:	1A18049	Calibration:	A0L2210
Instrument:	DUALECD3				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
53-19-0	2,4'-DDD [2C]	1	1.31	U
3424-82-6	2,4'-DDE [2C]	1	1.31	U
789-02-6	2,4'-DDT [2C]	1	1.31	U
72-54-8	4,4'-DDD [2C]	1	1.31	U
50-29-3	4,4'-DDT [2C]	1	1.31	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	65.6	30.1	46	42 - 129	
Decachlorobiphenyl (Surr) [2C]	65.6	59.4	91	55 - 130	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8081B

USMPDI-1006SC-D-10-12-201110

Laboratory:	Apex Laboratories		SDG:	A0K0482	
Client:	Anchor QEA, LLC		Project:	US Moorings -- C2, C3, C4	
Matrix:	SE	Laboratory ID:	A0K0482-22RE2	File ID:	ECD3-01212124.D
Sampled:	11/10/20 09:05	Prepared:	01/06/21 11:23	Analyzed:	01/21/21 18:46
Solids:	73.78	Preparation:	EPA 3546/3640A (GPC)	Initial/Final:	10.33 g / 10 mL
Batch:	1012907	Sequence:	1A21053	Calibration:	A0L2210
Instrument:	DUALECD3				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
72-55-9	4,4'-DDE [2C]	1	1.31	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	65.6	37.5	57	42 - 129	
Decachlorobiphenyl (Surr) [2C]	65.6	67.6	103	55 - 130	

* Values outside of QC limits

PREPARATION BATCH SUMMARY

EPA 8081B

Laboratory: Apex Laboratories SDG: A0K0482

Client: Anchor QEA, LLC Project: US Moorings -- C2, C3, C4

Batch: 1012907 Batch Matrix: Sediment Preparation: EPA 3546/3640A (GPC)

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	1012907-BLK1	ECD3-01182114.D	01/06/21 11:23	
LCS	1012907-BS1	ECD3-01182115.D	01/06/21 11:23	
USMPDI-003SC-A-01-02-201110 (I	1012907-DUP1	ECD3-01182117.D	01/06/21 11:23	
USMPDI-003SC-A-03-04-201110 (M	1012907-MS1	ECD3-01182120.D	01/06/21 11:23	
USMPDI-006SC-D-12-14-201110 (M	1012907-MS2	ECD3-01182140.D	01/06/21 11:23	
USMPDI-006SC-D-12-14-201110 (M	1012907-MS3	ECD3-01212122.D	01/06/21 11:23	
USMPDI-003SC-A-03-04-201110 (M	1012907-MSD1	ECD3-01182121.D	01/06/21 11:23	
USMPDI-006SC-D-12-14-201110 (M	1012907-MSD2	ECD3-01182141.D	01/06/21 11:23	
USMPDI-006SC-D-12-14-201110 (M	1012907-MSD3	ECD3-01212123.D	01/06/21 11:23	
USMPDI-003SC-A-01-02-201110	A0K0482-01RE1	ECD3-01182116.D	01/06/21 11:23	
USMPDI-003SC-A-02-03-201110	A0K0482-02RE1	ECD3-01182118.D	01/06/21 11:23	
USMPDI-003SC-A-03-04-201110	A0K0482-03RE1	ECD3-01182119.D	01/06/21 11:23	
USMPDI-003SC-A-04-05-201110	A0K0482-04RE1	ECD3-01182125.D	01/06/21 11:23	
USMPDI-003SC-A-04-05-201110	A0K0482-04RE2	ECD3-01212107.D	01/06/21 11:23	
USMPDI-1003SC-A-01-02-201110	A0K0482-05RE1	ECD3-01182126.D	01/06/21 11:23	
USMPDI-1003SC-A-01-02-201110	A0K0482-05RE2	ECD3-01212108.D	01/06/21 11:23	
USMPDI-003SC-B-06-08-201110	A0K0482-10RE1	ECD3-01182127.D	01/06/21 11:23	
USMPDI-003SC-B-06-08-201110	A0K0482-10RE2	ECD3-01212109.D	01/06/21 11:23	
USMPDI-006SC-A-01-02-201110	A0K0482-11RE1	ECD3-01182128.D	01/06/21 11:23	
USMPDI-006SC-A-01-02-201110	A0K0482-11RE2	ECD3-01212110.D	01/06/21 11:23	
USMPDI-006SC-A-02-03-201110	A0K0482-12RE1	ECD3-01182130.D	01/06/21 11:23	
USMPDI-006SC-A-02-03-201110	A0K0482-12RE2	ECD3-01212112.D	01/06/21 11:23	
USMPDI-006SC-A-03-04-201110	A0K0482-13RE1	ECD3-01182131.D	01/06/21 11:23	
USMPDI-006SC-A-03-04-201110	A0K0482-13RE2	ECD3-01212113.D	01/06/21 11:23	
USMPDI-006SC-A-04-05-201110	A0K0482-14RE1	ECD3-01182132.D	01/06/21 11:23	
USMPDI-006SC-A-04-05-201110	A0K0482-14RE2	ECD3-01212114.D	01/06/21 11:23	
USMPDI-006SC-D-06-08-201110	A0K0482-18RE1	ECD3-01182133.D	01/06/21 11:23	
USMPDI-006SC-D-06-08-201110	A0K0482-18RE2	ECD3-01212115.D	01/06/21 11:23	
USMPDI-006SC-D-08-10-201110	A0K0482-19RE1	ECD3-01182137.D	01/06/21 11:23	
USMPDI-006SC-D-08-10-201110	A0K0482-19RE2	ECD3-01212116.D	01/06/21 11:23	
USMPDI-006SC-D-10-12-201110	A0K0482-20RE1	ECD3-01182138.D	01/06/21 11:23	
USMPDI-006SC-D-10-12-201110	A0K0482-20RE2	ECD3-01212117.D	01/06/21 11:23	
USMPDI-006SC-D-12-14-201110	A0K0482-21RE1	ECD3-01182139.D	01/06/21 11:23	
USMPDI-006SC-D-12-14-201110	A0K0482-21RE2	ECD3-01212121.D	01/06/21 11:23	
USMPDI-1006SC-D-10-12-201110	A0K0482-22RE1	ECD3-01182142.D	01/06/21 11:23	
USMPDI-1006SC-D-10-12-201110	A0K0482-22RE2	ECD3-01212124.D	01/06/21 11:23	

Note: Client samples are listed only if they are included in this report.
Duplicates and Matrix Spike/Duplicates QC Samples are only listed if sourced from a sample included in this report.

METHOD BLANK DATA SHEET
EPA 8081B

Laboratory:	Apex Laboratories			SDG:	A0K0482
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	Sediment	Laboratory ID:	1012907-BLK1	File ID:	ECD3-01182114.D
Prepared:	01/06/21 11:23	Preparation:	EPA 3546/3640A (GPC)	Initial/Final:	11 g / 10 mL
Analyzed:	01/18/21 16:15	Instrument:	DUALECD3		
Batch:	1012907	Sequence:	1A18049	Calibration:	A0L2210

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
53-19-0	2,4'-DDD [2C]	0.909	U
3424-82-6	2,4'-DDE [2C]	0.909	U
789-02-6	2,4'-DDT [2C]	0.909	U
72-54-8	4,4'-DDD [2C]	0.909	U
72-55-9	4,4'-DDE [2C]	0.909	U
50-29-3	4,4'-DDT [2C]	0.909	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg wet)	CONC (ug/kg wet)	% REC	QC LIMITS	Q
2,4,5,6-TCMX (Surr) [2C]	45.5	32.3	71	42 - 129	
Decachlorobiphenyl (Surr) [2C]	45.5	49.6	109	55 - 130	

LCS / LCS DUPLICATE RECOVERY

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Matrix:	Sediment		
Batch:	1012907	Laboratory ID:	1012907-BS1
Preparation:	EPA 3546/3640A (GPC)	Initial/Final:	10 g / 10 mL

COMPOUND	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC. (*=Out)	QC LIMITS REC.
2,4'-DDD [2C]	50.0	44.8	90	58 - 128
2,4'-DDE [2C]	50.0	40.3	81	49 - 125
2,4'-DDT [2C]	50.0	45.8	92	66 - 145
4,4'-DDD [2C]	50.0	41.6	83	56 - 139
4,4'-DDE [2C]	50.0	38.9	78	56 - 134
4,4'-DDT [2C]	50.0	46.3	93	50 - 141

* = Values outside of QC limits

DUPLICATES

EPA 8081B

USMPDI-003SC-A-01-02-201110

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Matrix: Sediment
Laboratory ID: 1012907-DUP1
Batch: 1012907
Lab Source ID: A0K0482-01RE1
Preparation: EPA 3546/3640A (GPC)
Initial/Final: 10.43 g / 10 mL
Source Sample Name: USMPDI-003SC-A-01-02-201110
% Solids: 67.56

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (ug/kg dry)	C	DUPLICATE CONCENTRATION (ug/kg dry)	C	RPD %	Q	METHOD
2,4'-DDD [2C]	30	0.00		ND				EPA 8081B
2,4'-DDE [2C]	30	0.00		ND				EPA 8081B
2,4'-DDT [2C]	30	0.00		ND				EPA 8081B
4,4'-DDD [2C]	30	0.187		ND				EPA 8081B
4,4'-DDE [2C]	30	0.0824		ND				EPA 8081B
4,4'-DDT [2C]	30	0.131		ND				EPA 8081B

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 8081B

USMPDI-003SC-A-03-04-201110

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Matrix:	Sediment		
Batch:	1012907	Laboratory ID:	1012907-MS1
Preparation:	EPA 3546/3640A (GPC)	Initial/Final:	10.37 g / 10 mL

Source Sample Name: USMPDI-003SC-A-03-04-201110

COMPOUND	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC. (*=Out)	QC LIMITS REC.
2,4'-DDD [2C]	57.5	ND	53.6	93	58 - 128
2,4'-DDE [2C]	57.5	ND	44.8	78	49 - 125
2,4'-DDT [2C]	57.5	ND	58.7	102	66 - 145
4,4'-DDD [2C]	57.5	ND	50.9	88	56 - 139
4,4'-DDE [2C]	57.5	ND	44.1	77	56 - 134
4,4'-DDT [2C]	57.5	ND	62.0	108	50 - 141

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 8081B

USMPDI-003SC-A-03-04-201110

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Matrix:	Sediment		
Batch:	1012907	Laboratory ID:	1012907-MSD1
Preparation:	EPA 3546/3640A (GPC)	Initial/Final:	10.24 g / 10 mL

Source Sample Name: USMPDI-003SC-A-03-04-201110

COMPOUND	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % RECOVERY	% RPD	QC LIMITS RPD	QC LIMITS REC.
2,4'-DDD [2C]	58.3	47.2	81	13	30	58 - 128
2,4'-DDE [2C]	58.3	39.7	68	12	30	49 - 125
2,4'-DDT [2C]	58.3	48.6	83	19	30	66 - 145
4,4'-DDD [2C]	58.3	42.7	73	18	30	56 - 139
4,4'-DDE [2C]	58.3	39.4	68	11	30	56 - 134
4,4'-DDT [2C]	58.3	48.6	83	24	30	50 - 141

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 8081B

USMPDI-006SC-D-12-14-201110

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Matrix:	Sediment		
Batch:	1012907	Laboratory ID:	1012907-MS2
Preparation:	EPA 3546/3640A (GPC)	Initial/Final:	10.26 g / 10 mL

Source Sample Name: USMPDI-006SC-D-12-14-201110

COMPOUND	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC. (*=Out)	QC LIMITS REC.
2,4'-DDD [2C]	66.2	ND	64.8	98	58 - 128
2,4'-DDE [2C]	66.2	ND	61.2	92	49 - 125
2,4'-DDT [2C]	66.2	ND	71.4	108	66 - 145
4,4'-DDD [2C]	66.2	ND	58.0	88	56 - 139
4,4'-DDT [2C]	66.2	ND	71.2	108	50 - 141

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 8081B

USMPDI-006SC-D-12-14-201110

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Matrix:	Sediment		
Batch:	1012907	Laboratory ID:	1012907-MSD2
Preparation:	EPA 3546/3640A (GPC)	Initial/Final:	10.42 g / 10 mL

Source Sample Name: USMPDI-006SC-D-12-14-201110

COMPOUND	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % RECOVERY	% RPD	QC LIMITS RPD	QC LIMITS REC.
2,4'-DDD [2C]	65.2	54.2	83	18	30	58 - 128
2,4'-DDE [2C]	65.2	45.9	70	29	30	49 - 125
2,4'-DDT [2C]	65.2	58.7	90	20	30	66 - 145
4,4'-DDD [2C]	65.2	49.6	76	16	30	56 - 139
4,4'-DDT [2C]	65.2	58.6	90	19	30	50 - 141

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 8081B

USMPDI-006SC-D-12-14-201110

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Matrix:	Sediment		
Batch:	1012907	Laboratory ID:	1012907-MS3
Preparation:	EPA 3546/3640A (GPC)	Initial/Final:	10.26 g / 10 mL

Source Sample Name: USMPDI-006SC-D-12-14-201110

COMPOUND	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC. (*=Out)	QC LIMITS REC.
4,4'-DDE [2C]	66.2	ND	61.0	92	56 - 134

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 8081B

USMPDI-006SC-D-12-14-201110

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Matrix:	Sediment		
Batch:	1012907	Laboratory ID:	1012907-MSD3
Preparation:	EPA 3546/3640A (GPC)	Initial/Final:	10.42 g / 10 mL

Source Sample Name: USMPDI-006SC-D-12-14-201110

COMPOUND	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % RECOVERY	% RPD	QC LIMITS RPD	QC LIMITS REC.
4,4'-DDE [2C]	65.2	54.4	83	11	30	56 - 134

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	0L21060	Instrument:	DUALECD3
Matrix:	Sediment	Calibration:	A0L2210

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Initial Cal Blank	0L21060-ICB1	ECD3-12212004.D	12/21/20 16:19
Cal Standard	0L21060-CAL1	ECD3-12212005.D	12/21/20 16:36
Cal Standard	0L21060-CAL2	ECD3-12212006.D	12/21/20 16:54
Cal Standard	0L21060-CAL3	ECD3-12212007.D	12/21/20 17:11
Cal Standard	0L21060-CAL4	ECD3-12212008.D	12/21/20 17:28
Cal Standard	0L21060-CAL5	ECD3-12212009.D	12/21/20 17:45
Cal Standard	0L21060-CAL6	ECD3-12212010.D	12/21/20 18:02
Cal Standard	0L21060-CAL7	ECD3-12212011.D	12/21/20 18:19
Cal Standard	0L21060-CAL8	ECD3-12212012.D	12/21/20 18:36
Cal Standard	0L21060-CAL9	ECD3-12212013.D	12/21/20 18:54
Initial Cal Check	0L21060-ICV1	ECD3-12212015.D	12/21/20 19:28
Cal Standard	0L21060-CALA	ECD3-12212016.D	12/21/20 19:45
Cal Standard	0L21060-CALB	ECD3-12212017.D	12/21/20 20:02
Cal Standard	0L21060-CALC	ECD3-12212018.D	12/21/20 20:19
Cal Standard	0L21060-CALD	ECD3-12212019.D	12/21/20 20:36
Cal Standard	0L21060-CALE	ECD3-12212020.D	12/21/20 20:54
Cal Standard	0L21060-CALF	ECD3-12212021.D	12/21/20 21:11
Cal Standard	0L21060-CALG	ECD3-12212022.D	12/21/20 21:28
Cal Standard	0L21060-CALH	ECD3-12212023.D	12/21/20 21:45
Cal Standard	0L21060-CALI	ECD3-12212024.D	12/21/20 22:02
Initial Cal Check	0L21060-ICV2	ECD3-12212026.D	12/21/20 22:36

Note: Client samples are listed only if they are included in this report.
Duplicates and Matrix Spike/Duplicates QC Samples are only listed if sourced from a sample included in this report.

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	1A18049	Instrument:	DUALECD3
Matrix:	Sediment	Calibration:	A0L2210

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1A18049-CCV4	ECD3-01182111.D	01/18/21 15:24
Calibration Check	1A18049-CCV5	ECD3-01182112.D	01/18/21 15:41
Calibration Blank	1A18049-CCB1	ECD3-01182113.D	01/18/21 15:58
Blank	1012907-BLK1	ECD3-01182114.D	01/18/21 16:15
LCS	1012907-BS1	ECD3-01182115.D	01/18/21 16:32
USMPDI-003SC-A-01-02-201110	A0K0482-01RE1	ECD3-01182116.D	01/18/21 16:49
USMPDI-003SC-A-01-02-201110 (D	1012907-DUP1	ECD3-01182117.D	01/18/21 17:07
USMPDI-003SC-A-02-03-201110	A0K0482-02RE1	ECD3-01182118.D	01/18/21 17:24
USMPDI-003SC-A-03-04-201110	A0K0482-03RE1	ECD3-01182119.D	01/18/21 17:41
USMPDI-003SC-A-03-04-201110 (M	1012907-MS1	ECD3-01182120.D	01/18/21 17:58
USMPDI-003SC-A-03-04-201110 (M	1012907-MSD1	ECD3-01182121.D	01/18/21 18:15
Calibration Check	1A18049-CCV6	ECD3-01182122.D	01/18/21 18:32
Calibration Check	1A18049-CCV7	ECD3-01182123.D	01/18/21 18:49
Calibration Blank	1A18049-CCB2	ECD3-01182124.D	01/18/21 19:06
USMPDI-003SC-A-04-05-201110	A0K0482-04RE1	ECD3-01182125.D	01/18/21 19:23
USMPDI-1003SC-A-01-02-201110	A0K0482-05RE1	ECD3-01182126.D	01/18/21 19:40
USMPDI-003SC-B-06-08-201110	A0K0482-10RE1	ECD3-01182127.D	01/18/21 19:57
USMPDI-006SC-A-01-02-201110	A0K0482-11RE1	ECD3-01182128.D	01/18/21 20:14
USMPDI-006SC-A-02-03-201110	A0K0482-12RE1	ECD3-01182130.D	01/18/21 20:51
USMPDI-006SC-A-03-04-201110	A0K0482-13RE1	ECD3-01182131.D	01/18/21 21:08
USMPDI-006SC-A-04-05-201110	A0K0482-14RE1	ECD3-01182132.D	01/18/21 21:25
USMPDI-006SC-D-06-08-201110	A0K0482-18RE1	ECD3-01182133.D	01/18/21 21:42
Calibration Check	1A18049-CCV8	ECD3-01182134.D	01/18/21 21:59
Calibration Check	1A18049-CCV9	ECD3-01182135.D	01/18/21 22:16
Calibration Blank	1A18049-CCB3	ECD3-01182136.D	01/18/21 22:33
USMPDI-006SC-D-08-10-201110	A0K0482-19RE1	ECD3-01182137.D	01/18/21 22:50
USMPDI-006SC-D-10-12-201110	A0K0482-20RE1	ECD3-01182138.D	01/18/21 23:07
USMPDI-006SC-D-12-14-201110	A0K0482-21RE1	ECD3-01182139.D	01/18/21 23:24
USMPDI-006SC-D-12-14-201110 (M	1012907-MS2	ECD3-01182140.D	01/18/21 23:41
USMPDI-006SC-D-12-14-201110 (M	1012907-MSD2	ECD3-01182141.D	01/18/21 23:59
USMPDI-1006SC-D-10-12-201110	A0K0482-22RE1	ECD3-01182142.D	01/19/21 00:15
Calibration Check	1A18049-CCVA	ECD3-01182143.D	01/19/21 00:32
Calibration Check	1A18049-CCVB	ECD3-01182144.D	01/19/21 00:49

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	1A18049	Instrument:	DUALECD3
Matrix:	Sediment	Calibration:	A0L2210

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Blank	1A18049-CCB4	ECD3-01182145.D	01/19/21 01:06

Note: Client samples are listed only if they are included in this report.
Duplicates and Matrix Spike/Duplicates QC Samples are only listed if sourced from a sample included in this report.

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	1A21053	Instrument:	DUALECD3
Matrix:	Sediment	Calibration:	A0L2210

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1A21053-CCV1	ECD3-01212104.D	01/21/21 13:01
Calibration Check	1A21053-CCV2	ECD3-01212105.D	01/21/21 13:18
Calibration Blank	1A21053-CCB1	ECD3-01212106.D	01/21/21 13:35
USMPDI-003SC-A-04-05-201110	A0K0482-04RE2	ECD3-01212107.D	01/21/21 13:52
USMPDI-1003SC-A-01-02-201110	A0K0482-05RE2	ECD3-01212108.D	01/21/21 14:09
USMPDI-003SC-B-06-08-201110	A0K0482-10RE2	ECD3-01212109.D	01/21/21 14:26
USMPDI-006SC-A-01-02-201110	A0K0482-11RE2	ECD3-01212110.D	01/21/21 14:43
USMPDI-006SC-A-02-03-201110	A0K0482-12RE2	ECD3-01212112.D	01/21/21 15:21
USMPDI-006SC-A-03-04-201110	A0K0482-13RE2	ECD3-01212113.D	01/21/21 15:38
USMPDI-006SC-A-04-05-201110	A0K0482-14RE2	ECD3-01212114.D	01/21/21 15:55
USMPDI-006SC-D-06-08-201110	A0K0482-18RE2	ECD3-01212115.D	01/21/21 16:12
USMPDI-006SC-D-08-10-201110	A0K0482-19RE2	ECD3-01212116.D	01/21/21 16:29
USMPDI-006SC-D-10-12-201110	A0K0482-20RE2	ECD3-01212117.D	01/21/21 16:46
Calibration Check	1A21053-CCV3	ECD3-01212118.D	01/21/21 17:03
Calibration Check	1A21053-CCV4	ECD3-01212119.D	01/21/21 17:21
Calibration Blank	1A21053-CCB2	ECD3-01212120.D	01/21/21 17:38
USMPDI-006SC-D-12-14-201110	A0K0482-21RE2	ECD3-01212121.D	01/21/21 17:55
USMPDI-006SC-D-12-14-201110 (M	1012907-MS3	ECD3-01212122.D	01/21/21 18:12
USMPDI-006SC-D-12-14-201110 (M	1012907-MSD3	ECD3-01212123.D	01/21/21 18:29
USMPDI-1006SC-D-10-12-201110	A0K0482-22RE2	ECD3-01212124.D	01/21/21 18:46
Calibration Check	1A21053-CCV5	ECD3-01212131.D	01/21/21 20:46
Calibration Check	1A21053-CCV6	ECD3-01212132.D	01/21/21 21:03
Calibration Blank	1A21053-CCB3	ECD3-01212133.D	01/21/21 21:20

Note: Client samples are listed only if they are included in this report.
Duplicates and Matrix Spike/Duplicates QC Samples are only listed if sourced from a sample included in this report.

INITIAL CALIBRATION DATA (Summary)

EPA 8081B

Laboratory: Apex Laboratories SDG: A0K0482

Client: Anchor QEA, LLC Project: US Moorings -- C2, C3, C4

Calibration: A0L2210 Date: 12/22/20 19:22 Instrument: DUALECD3

Compound	Mean RF	FIT	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
2,4'-DDD	108160.2	XXX	13.0542	7.856444	0.0251318				
2,4'-DDD [2C]	68042.35	XXX	16.68814	8.355222	1.052592E-02				
2,4'-DDE [2C]	77951.41	XXX	15.28707	7.983555	1.932834E-02				
2,4'-DDT [2C]	61859.32	XXX	14.14505	8.577111	2.178929E-02				
4,4'-DDD [2C]	87842.69	Ave	6.116304	8.624222	6.379933E-03			20	
4,4'-DDE	184352.7	Ave	5.014798	7.731889	4.345226E-03			20	
4,4'-DDE [2C]	112647.1	Ave	6.199371	8.210556	1.257254E-02			20	
4,4'-DDT [2C]	72333.54	Ave	6.770018	8.849	1.390604E-02			20	
2,4,5,6-TCMX (Surr) [2C]	115308.8	XXX	11.864	5.878333	1.982641E-02				
Decachlorobiphenyl (Surr) [2C]	65581.82	XXX	15.29169	10.38533	8.01319E-03				

Note: ** Quad COD may be incorrect if weighting (1/a) or (1/a2) used. Weighting not shown here. Please see instrument calibration printouts for validation.

INITIAL CALIBRATION DATA

EPA 8081B

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Calibration: A0L2210
Instrument: DUALECD3
Calibration Date: 12/22/20 19:22

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
4,4'-DDD	0.5	146110	1	154035	2	142034.5	5	136957.8	10	141830.9	25	137728.2
4,4'-DDD [2C]	0.5	94982	1	98120	2	86234.5	5	83783	10	83670.6	25	84228.76
4,4'-DDE	0.5	198426	1	201100	2	181227.5	5	179165.4	10	179632.5	25	176293.2
4,4'-DDE [2C]	0.5	125004	1	124027	2	112097	5	106147.6	10	110944.8	25	107722.6
4,4'-DDT	0.5	129102	1	137686	2	120325	5	116798.6	10	118885.3	25	125180
4,4'-DDT [2C]	0.5	73360	1	79614	2	68129	5	65827.6	10	67028.1	25	71133.04
2,4,5,6-TCMX (Surr)	0.5	213608	1	210631	2	189670	5	180919	10	181128.5	25	171693.1
2,4,5,6-TCMX (Surr) [2C]	0.5	139792	1	136219	2	118091	5	113014.2	10	110003.4	25	106382.1
Decachlorobiphenyl (Surr)	0.5	143820	1	145333	2	122270.5	5	114497.4	10	111960.3	25	108089.1
Decachlorobiphenyl (Surr) [2C]	0.5	81442	1	81945	2	70787	5	62681	10	61073	25	59369.44

INITIAL CALIBRATION DATA (Continued)

EPA 8081B

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Calibration: A0L2210
Instrument: DUALECD3
Matrix:
Calibration Date: 12/22/20 19:22

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
2,4'-DDD							0.5	131682	1	128736	2	117741
2,4'-DDD [2C]							0.5	89232	1	83683	2	73305
2,4'-DDE							0.5	153384	1	147522	2	134284
2,4'-DDE [2C]							0.5	99860	1	93570	2	85291
2,4'-DDT							0.5	125406	1	115830	2	104491.5
2,4'-DDT [2C]							0.5	79304	1	69970	2	63117.5
4,4'-DDD	50	138164.2	100	142492.8	200	151480.7						
4,4'-DDD [2C]	50	83424.3	100	86461.72	200	89679.3						
4,4'-DDE	50	177372.8	100	179182.8	200	186773.8						
4,4'-DDE [2C]	50	108662.3	100	108209.3	200	111009.3						
4,4'-DDT	50	124225.5	100	133557.3	200	135701.8						
4,4'-DDT [2C]	50	71943.42	100	75434.58	200	78532.15						
2,4,5,6-TCMX (Surr)	50	168994.5	100	174885.2	200	176920						
2,4,5,6-TCMX (Surr) [2C]	50	103659.8	100	106721.3	200	103896.4						
Decachlorobiphenyl (Surr)	50	106013.3	100	103479.6	200	109178.4						
Decachlorobiphenyl (Surr) [2C]	50	57002.66	100	57159.44	200	58776.8						

INITIAL CALIBRATION DATA (Continued)

EPA 8081B

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Calibration: A0L2210
Instrument: DUALECD3
Matrix:
Calibration Date: 12/22/20 19:22

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
2,4'-DDD	5	98927.2	10	97158.7	25	97414.04	50	96113.18	100	104024.4	200	101645.4
2,4'-DDD [2C]	5	61525.8	10	60178.5	25	59665.64	50	59796.6	100	64257.94	200	60736.7
2,4'-DDE	5	113645.8	10	112095.5	25	107966	50	106991.7	100	113958.4	200	109459.8
2,4'-DDE [2C]	5	70122.6	10	69612.9	25	69503.72	50	70074.96	100	74715.65	200	68811.85
2,4'-DDT	5	89798.2	10	91343.3	25	94747.52	50	96082.64	100	108837.5	200	102504.6
2,4'-DDT [2C]	5	53122.2	10	53052.4	25	55317.36	50	56164.78	100	65252.77	200	61432.85

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Instrument ID:	DUALECD3	Calibration:	A0L2210
Lab File ID:	ECD3-12212015.D		
Sequence:	0L21060	Inject Date:	12/21/20
Lab Sample ID:	0L21060-ICV1	Inject Time:	19:28

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
4,4'-DDD	50.0	52.1	4.2	70 - 130
4,4'-DDD [2C]	50.0	50.6	1.3	70 - 130
4,4'-DDE	50.0	49.3	-1.5	70 - 130
4,4'-DDE [2C]	50.0	50.3	0.6	70 - 130
4,4'-DDT	50.0	51.7	3.4	70 - 130
4,4'-DDT [2C]	50.0	53.3	6.5	70 - 130
2,4,5,6-TCMX (Surr)	50.0	46.3	-7.5	70 - 130
2,4,5,6-TCMX (Surr) [2C]	50.0	49.1	-1.9	70 - 130
Decachlorobiphenyl (Surr)	50.0	50.4	0.8	70 - 130
Decachlorobiphenyl (Surr) [2C]	50.0	50.8	1.6	70 - 130

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Instrument ID:	DUALECD3	Calibration:	A0L2210
Lab File ID:	ECD3-12212026.D		
Sequence:	0L21060	Inject Date:	12/21/20
Lab Sample ID:	0L21060-ICV2	Inject Time:	22:36

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
2,4'-DDD	50.0	47.8	-4.4	70 - 130
2,4'-DDD [2C]	50.0	47.9	-4.3	70 - 130
2,4'-DDE	50.0	46.7	-6.6	70 - 130
2,4'-DDE [2C]	50.0	48.7	-2.7	70 - 130
2,4'-DDT	50.0	49.6	-0.9	70 - 130
2,4'-DDT [2C]	50.0	50.5	1.0	70 - 130

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Instrument ID:	DUALECD3	Calibration:	A0L2210
Lab File ID:	ECD3-01182111.D	Calibration Date:	12/22/20 19:22
Sequence:	1A18049	Injection Date:	01/18/21
Lab Sample ID:	1A18049-CCV4	Injection Time:	15:24

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
4,4'-DDD	Ave	50.0	48.8		143426	140115.1	-2.3	20
4,4'-DDD [2C]	Ave	50.0	46.0		87842.69	80865.32	-7.9	20
4,4'-DDE	Ave	50.0	46.0		184352.7	169418.4	-8.1	20
4,4'-DDE [2C]	Ave	50.0	44.4		112647.1	100041	-11.2	20
4,4'-DDT	Ave	50.0	50.1		126829	127107.4	0.2	20
4,4'-DDT [2C]	Ave	50.0	45.5		72333.54	65842.56	-9.0	20

** Quadratic Curve fit may be weighted (1/a or 1/a2).

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Instrument ID:	DUALECD3	Calibration:	A0L2210
Lab File ID:	ECD3-01182112.D	Calibration Date:	12/22/20 19:22
Sequence:	1A18049	Injection Date:	01/18/21
Lab Sample ID:	1A18049-CCV5	Injection Time:	15:41

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
2,4'-DDD	XXX	50.0	50.6	1.1				20
2,4'-DDD [2C]	XXX	50.0	51.3	2.6				20
2,4'-DDE	XXX	50.0	49.9	-0.1				20
2,4'-DDE [2C]	XXX	50.0	51.0	2.0				20
2,4'-DDT	XXX	50.0	56.8	13.7				20
2,4'-DDT [2C]	XXX	50.0	53.2	6.5				20

** Quadratic Curve fit may be weighted (1/a or 1/a2).

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Instrument ID:	DUALECD3	Calibration:	A0L2210
Lab File ID:	ECD3-01182122.D	Calibration Date:	12/22/20 19:22
Sequence:	1A18049	Injection Date:	01/18/21
Lab Sample ID:	1A18049-CCV6	Injection Time:	18:32

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
4,4'-DDD	Ave	100	94.5		143426	135580.1	-5.5	20
4,4'-DDD [2C]	Ave	100	90.0		87842.69	79028.23	-10.0	20
4,4'-DDE	Ave	100	87.5		184352.7	161250.4	-12.5	20
4,4'-DDE [2C]	Ave	100	84.6		112647.1	95284.49	-15.4	20
4,4'-DDT	Ave	100	96.2		126829	121965.5	-3.8	20
4,4'-DDT [2C]	Ave	100	91.7		72333.54	66313.71	-8.3	20

** Quadratic Curve fit may be weighted (1/a or 1/a2).

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Instrument ID:	DUALECD3	Calibration:	A0L2210
Lab File ID:	ECD3-01182123.D	Calibration Date:	12/22/20 19:22
Sequence:	1A18049	Injection Date:	01/18/21
Lab Sample ID:	1A18049-CCV7	Injection Time:	18:49

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
2,4'-DDD	XXX	100	95.2	-4.8				20
2,4'-DDD [2C]	XXX	100	94.7	-5.3				20
2,4'-DDE	XXX	100	91.8	-8.2				20
2,4'-DDE [2C]	XXX	100	94.0	-6.0				20
2,4'-DDT	XXX	100	98.4	-1.6				20
2,4'-DDT [2C]	XXX	100	97.8	-2.2				20

** Quadratic Curve fit may be weighted (1/a or 1/a2).

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Instrument ID:	DUALECD3	Calibration:	A0L2210
Lab File ID:	ECD3-01182134.D	Calibration Date:	12/22/20 19:22
Sequence:	1A18049	Injection Date:	01/18/21
Lab Sample ID:	1A18049-CCV8	Injection Time:	21:59

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
4,4'-DDD	Ave	50.0	42.5		143426	121881.5	-15.0	20
4,4'-DDD [2C]	Ave	50.0	43.3		87842.69	76098.68	-13.4	20
4,4'-DDE	Ave	50.0	38.1		184352.7	140594.1	-23.7*	20
4,4'-DDE [2C]	Ave	50.0	38.7		112647.1	87114.48	-22.7*	20
4,4'-DDT	Ave	50.0	41.5		126829	105329.7	-17.0	20
4,4'-DDT [2C]	Ave	50.0	41.1		72333.54	59502.24	-17.7	20

** Quadratic Curve fit may be weighted (1/a or 1/a2).

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Instrument ID:	DUALECD3	Calibration:	A0L2210
Lab File ID:	ECD3-01182135.D	Calibration Date:	12/22/20 19:22
Sequence:	1A18049	Injection Date:	01/18/21
Lab Sample ID:	1A18049-CCV9	Injection Time:	22:16

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
2,4'-DDD	XXX	50.0	49.6	-0.7				20
2,4'-DDD [2C]	XXX	50.0	48.7	-2.7				20
2,4'-DDE	XXX	50.0	47.3	-5.3				20
2,4'-DDE [2C]	XXX	50.0	46.9	-6.1				20
2,4'-DDT	XXX	50.0	53.5	7.0				20
2,4'-DDT [2C]	XXX	50.0	52.8	5.6				20

** Quadratic Curve fit may be weighted (1/a or 1/a2).

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Instrument ID:	DUALECD3	Calibration:	A0L2210
Lab File ID:	ECD3-01182143.D	Calibration Date:	12/22/20 19:22
Sequence:	1A18049	Injection Date:	01/19/21
Lab Sample ID:	1A18049-CCVA	Injection Time:	00:32

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
4,4'-DDD	Ave	100	93.7		143426	134369	-6.3	20
4,4'-DDD [2C]	Ave	100	91.5		87842.69	80404.29	-8.5	20
4,4'-DDE	Ave	100	85.3		184352.7	157296.9	-14.7	20
4,4'-DDE [2C]	Ave	100	83.4		112647.1	94003.77	-16.6	20
4,4'-DDT	Ave	100	101		126829	127767.7	0.7	20
4,4'-DDT [2C]	Ave	100	96.5		72333.54	69824.73	-3.5	20

** Quadratic Curve fit may be weighted (1/a or 1/a2).

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Instrument ID:	DUALECD3	Calibration:	A0L2210
Lab File ID:	ECD3-01182144.D	Calibration Date:	12/22/20 19:22
Sequence:	1A18049	Injection Date:	01/19/21
Lab Sample ID:	1A18049-CCVB	Injection Time:	00:49

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
2,4'-DDD	XXX	100	95.0	-5.0				20
2,4'-DDD [2C]	XXX	100	96.6	-3.4				20
2,4'-DDE	XXX	100	94.8	-5.2				20
2,4'-DDE [2C]	XXX	100	94.6	-5.4				20
2,4'-DDT	XXX	100	99.9	-0.1				20
2,4'-DDT [2C]	XXX	100	98.8	-1.2				20

** Quadratic Curve fit may be weighted (1/a or 1/a2).

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Instrument ID:	DUALECD3	Calibration:	A0L2210
Lab File ID:	ECD3-01212104.D	Calibration Date:	12/22/20 19:22
Sequence:	1A21053	Injection Date:	01/21/21
Lab Sample ID:	1A21053-CCV1	Injection Time:	13:01

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
4,4'-DDD	Ave	50.0	47.8		143426	137234.3	-4.3	20
4,4'-DDD [2C]	Ave	50.0	47.9		87842.69	84140.2	-4.2	20
4,4'-DDE	Ave	50.0	45.7		184352.7	168593.9	-8.5	20
4,4'-DDE [2C]	Ave	50.0	45.3		112647.1	102044.1	-9.4	20
4,4'-DDT	Ave	50.0	39.6		126829	100495.3	-20.8*	20
4,4'-DDT [2C]	Ave	50.0	44.7		72333.54	64681.08	-10.6	20

** Quadratic Curve fit may be weighted (1/a or 1/a2).

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Instrument ID:	DUALECD3	Calibration:	A0L2210
Lab File ID:	ECD3-01212105.D	Calibration Date:	12/22/20 19:22
Sequence:	1A21053	Injection Date:	01/21/21
Lab Sample ID:	1A21053-CCV2	Injection Time:	13:18

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
2,4'-DDD	XXX	50.0	44.6	-10.8				20
2,4'-DDD [2C]	XXX	50.0	46.0	-8.1				20
2,4'-DDE	XXX	50.0	44.7	-10.5				20
2,4'-DDE [2C]	XXX	50.0	45.6	-8.9				20
2,4'-DDT	XXX	50.0	40.5	-19.0				20
2,4'-DDT [2C]	XXX	50.0	44.3	-11.3				20

** Quadratic Curve fit may be weighted (1/a or 1/a2).

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Instrument ID:	DUALECD3	Calibration:	A0L2210
Lab File ID:	ECD3-01212118.D	Calibration Date:	12/22/20 19:22
Sequence:	1A21053	Injection Date:	01/21/21
Lab Sample ID:	1A21053-CCV3	Injection Time:	17:03

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
4,4'-DDD	Ave	100	100		143426	143398.5	-0.02	20
4,4'-DDD [2C]	Ave	100	102		87842.69	89742.23	2.2	20
4,4'-DDE	Ave	100	94.2		184352.7	173692.3	-5.8	20
4,4'-DDE [2C]	Ave	100	92.9		112647.1	104643.7	-7.1	20
4,4'-DDT	Ave	100	97.2		126829	123257.4	-2.8	20
4,4'-DDT [2C]	Ave	100	101		72333.54	73322.29	1.4	20

** Quadratic Curve fit may be weighted (1/a or 1/a2).

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Instrument ID:	DUALECD3	Calibration:	A0L2210
Lab File ID:	ECD3-01212119.D	Calibration Date:	12/22/20 19:22
Sequence:	1A21053	Injection Date:	01/21/21
Lab Sample ID:	1A21053-CCV4	Injection Time:	17:21

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
2,4'-DDD	XXX	100	94.4	-5.6				20
2,4'-DDD [2C]	XXX	100	98.2	-1.8				20
2,4'-DDE	XXX	100	97.1	-2.9				20
2,4'-DDE [2C]	XXX	100	97.3	-2.7				20
2,4'-DDT	XXX	100	91.4	-8.6				20
2,4'-DDT [2C]	XXX	100	97.1	-2.9				20

** Quadratic Curve fit may be weighted (1/a or 1/a2).

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Instrument ID:	DUALECD3	Calibration:	A0L2210
Lab File ID:	ECD3-01212131.D	Calibration Date:	12/22/20 19:22
Sequence:	1A21053	Injection Date:	01/21/21
Lab Sample ID:	1A21053-CCV5	Injection Time:	20:46

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
4,4'-DDD	Ave	50.0	50.6		143426	145044.6	1.1	20
4,4'-DDD [2C]	Ave	50.0	52.8		87842.69	92717.02	5.5	20
4,4'-DDE	Ave	50.0	46.7		184352.7	172276.3	-6.6	20
4,4'-DDE [2C]	Ave	50.0	48.5		112647.1	109195.2	-3.1	20
4,4'-DDT	Ave	50.0	44.5		126829	112987.8	-10.9	20
4,4'-DDT [2C]	Ave	50.0	48.7		72333.54	70407.02	-2.7	20

** Quadratic Curve fit may be weighted (1/a or 1/a2).

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Instrument ID:	DUALECD3	Calibration:	A0L2210
Lab File ID:	ECD3-01212132.D	Calibration Date:	12/22/20 19:22
Sequence:	1A21053	Injection Date:	01/21/21
Lab Sample ID:	1A21053-CCV6	Injection Time:	21:03

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
2,4'-DDD	XXX	50.0	48.9	-2.3				20
2,4'-DDD [2C]	XXX	50.0	52.3	4.5				20
2,4'-DDE	XXX	50.0	48.4	-3.3				20
2,4'-DDE [2C]	XXX	50.0	50.8	1.5				20
2,4'-DDT	XXX	50.0	48.0	-4.1				20
2,4'-DDT [2C]	XXX	50.0	52.0	4.0				20

** Quadratic Curve fit may be weighted (1/a or 1/a2).

* = Values outside of QC limits

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	0L21060	Instrument:	DUALECD3
Matrix:	Sediment	Calibration:	A0L2210

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Initial Cal Check (0L21060-ICV1)			Lab File ID: ECD3-12212015.D		Analyzed: 12/21/20 19:28			
2,4,5,6-TCMX (Surr)	50.0	93	70 - 130	5.545	5.546556	-0.0016	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	50.0	98	70 - 130	5.877	5.878333	-0.0013	+/-1.0	
Decachlorobiphenyl (Surr)	50.0	101	70 - 130	9.757	9.757556	-0.0006	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	102	70 - 130	10.384	10.38533	-0.0013	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	1A18049	Instrument:	DUALECD3
Matrix:	Sediment	Calibration:	A0L2210

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (1A18049-CCV4)			Lab File ID: ECD3-01182111.D		Analyzed: 01/18/21 15:24			
2,4,5,6-TCMX (Surr)	50.0	85	80 - 120	5.477	5.546556	-0.0696	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	50.0	92	80 - 120	5.791	5.878333	-0.0873	+/-1.0	
Decachlorobiphenyl (Surr)	50.0	100	80 - 120	9.677	9.757556	-0.0806	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	101	80 - 120	10.278	10.38533	-0.1073	+/-1.0	
Calibration Blank (1A18049-CCB1)			Lab File ID: ECD3-01182113.D		Analyzed: 01/18/21 15:58			
2,4,5,6-TCMX (Surr) [2C]	100	77	42 - 129	5.791	5.878333	-0.0873	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	89	55 - 130	10.278	10.38533	-0.1073	+/-1.0	
Blank (1012907-BLK1)			Lab File ID: ECD3-01182114.D		Analyzed: 01/18/21 16:15			
2,4,5,6-TCMX (Surr) [2C]	45.5	71	42 - 129	5.791	5.878333	-0.0873	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	45.5	109	55 - 130	10.276	10.38533	-0.1093	+/-1.0	
LCS (1012907-BS1)			Lab File ID: ECD3-01182115.D		Analyzed: 01/18/21 16:32			
2,4,5,6-TCMX (Surr) [2C]	50.0	68	42 - 129	5.791	5.878333	-0.0873	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	104	55 - 130	10.277	10.38533	-0.1083	+/-1.0	
USMPDI-003SC-A-01-02-201110 (A0K0482-01RE1)			Lab File ID: ECD3-01182116.D		Analyzed: 01/18/21 16:49			
2,4,5,6-TCMX (Surr) [2C]	69.8	30	42 - 129	5.79	5.878333	-0.0883	+/-1.0	*
Decachlorobiphenyl (Surr) [2C]	69.8	87	55 - 130	10.277	10.38533	-0.1083	+/-1.0	
Duplicate (1012907-DUP1)			Lab File ID: ECD3-01182117.D		Analyzed: 01/18/21 17:07			
2,4,5,6-TCMX (Surr) [2C]	71.0	70	42 - 129	5.79	5.878333	-0.0883	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	71.0	104	55 - 130	10.277	10.38533	-0.1083	+/-1.0	
USMPDI-003SC-A-02-03-201110 (A0K0482-02RE1)			Lab File ID: ECD3-01182118.D		Analyzed: 01/18/21 17:24			
2,4,5,6-TCMX (Surr) [2C]	62.4	63	42 - 129	5.79	5.878333	-0.0883	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	62.4	101	55 - 130	10.277	10.38533	-0.1083	+/-1.0	
USMPDI-003SC-A-03-04-201110 (A0K0482-03RE1)			Lab File ID: ECD3-01182119.D		Analyzed: 01/18/21 17:41			
2,4,5,6-TCMX (Surr) [2C]	58.1	52	42 - 129	5.791	5.878333	-0.0873	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	58.1	101	55 - 130	10.277	10.38533	-0.1083	+/-1.0	
Matrix Spike (1012907-MS1)			Lab File ID: ECD3-01182120.D		Analyzed: 01/18/21 17:58			
2,4,5,6-TCMX (Surr) [2C]	57.5	60	42 - 129	5.791	5.878333	-0.0873	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	57.5	107	55 - 130	10.277	10.38533	-0.1083	+/-1.0	
Matrix Spike Dup (1012907-MSD1)			Lab File ID: ECD3-01182121.D		Analyzed: 01/18/21 18:15			
2,4,5,6-TCMX (Surr) [2C]	58.3	52	42 - 129	5.79	5.878333	-0.0883	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	58.3	88	55 - 130	10.277	10.38533	-0.1083	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	1A18049	Instrument:	DUALECD3
Matrix:	Sediment	Calibration:	A0L2210

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (1A18049-CCV6)			Lab File ID: ECD3-01182122.D		Analyzed: 01/18/21 18:32			
2,4,5,6-TCMX (Surr)	100	83	80 - 120	5.477	5.546556	-0.0696	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	100	87	80 - 120	5.79	5.878333	-0.0883	+/-1.0	
Decachlorobiphenyl (Surr)	100	98	80 - 120	9.676	9.757556	-0.0816	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	99	80 - 120	10.277	10.38533	-0.1083	+/-1.0	
Calibration Blank (1A18049-CCB2)			Lab File ID: ECD3-01182124.D		Analyzed: 01/18/21 19:06			
2,4,5,6-TCMX (Surr) [2C]	100	79	42 - 129	5.79	5.878333	-0.0883	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	95	55 - 130	10.276	10.38533	-0.1093	+/-1.0	
USMPDI-003SC-A-04-05-201110 (A0K0482-04RE1)			Lab File ID: ECD3-01182125.D		Analyzed: 01/18/21 19:23			
2,4,5,6-TCMX (Surr) [2C]	62.3	52	42 - 129	5.79	5.878333	-0.0883	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	62.3	99	55 - 130	10.276	10.38533	-0.1093	+/-1.0	
USMPDI-1003SC-A-01-02-201110 (A0K0482-05RE1)			Lab File ID: ECD3-01182126.D		Analyzed: 01/18/21 19:40			
2,4,5,6-TCMX (Surr) [2C]	69.2	61	42 - 129	5.79	5.878333	-0.0883	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	69.2	94	55 - 130	10.275	10.38533	-0.1103	+/-1.0	
USMPDI-003SC-B-06-08-201110 (A0K0482-10RE1)			Lab File ID: ECD3-01182127.D		Analyzed: 01/18/21 19:57			
2,4,5,6-TCMX (Surr) [2C]	56.3	62	42 - 129	5.789	5.878333	-0.0893	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	56.3	88	55 - 130	10.275	10.38533	-0.1103	+/-1.0	
USMPDI-006SC-A-01-02-201110 (A0K0482-11RE1)			Lab File ID: ECD3-01182128.D		Analyzed: 01/18/21 20:14			
2,4,5,6-TCMX (Surr) [2C]	76.5	58	42 - 129	5.788	5.878333	-0.0903	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	76.5	96	55 - 130	10.275	10.38533	-0.1103	+/-1.0	
USMPDI-006SC-A-02-03-201110 (A0K0482-12RE1)			Lab File ID: ECD3-01182130.D		Analyzed: 01/18/21 20:51			
2,4,5,6-TCMX (Surr) [2C]	71.4	51	42 - 129	5.79	5.878333	-0.0883	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	71.4	84	55 - 130	10.274	10.38533	-0.1113	+/-1.0	
USMPDI-006SC-A-03-04-201110 (A0K0482-13RE1)			Lab File ID: ECD3-01182131.D		Analyzed: 01/18/21 21:08			
2,4,5,6-TCMX (Surr) [2C]	59.9	68	42 - 129	5.789	5.878333	-0.0893	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	59.9	96	55 - 130	10.276	10.38533	-0.1093	+/-1.0	
USMPDI-006SC-A-04-05-201110 (A0K0482-14RE1)			Lab File ID: ECD3-01182132.D		Analyzed: 01/18/21 21:25			
2,4,5,6-TCMX (Surr) [2C]	57.3	52	42 - 129	5.789	5.878333	-0.0893	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	57.3	83	55 - 130	10.275	10.38533	-0.1103	+/-1.0	
USMPDI-006SC-D-06-08-201110 (A0K0482-18RE1)			Lab File ID: ECD3-01182133.D		Analyzed: 01/18/21 21:42			
2,4,5,6-TCMX (Surr) [2C]	58.8	54	42 - 129	5.789	5.878333	-0.0893	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	58.8	88	55 - 130	10.274	10.38533	-0.1113	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	1A18049	Instrument:	DUALECD3
Matrix:	Sediment	Calibration:	A0L2210

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (1A18049-CCV8)			Lab File ID: ECD3-01182134.D		Analyzed: 01/18/21 21:59			
2,4,5,6-TCMX (Surr)	50.0	76	80 - 120	5.476	5.546556	-0.0706	+/-1.0	*
2,4,5,6-TCMX (Surr) [2C]	50.0	78	80 - 120	5.789	5.878333	-0.0893	+/-1.0	*
Decachlorobiphenyl (Surr)	50.0	92	80 - 120	9.676	9.757556	-0.0816	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	95	80 - 120	10.274	10.38533	-0.1113	+/-1.0	
Calibration Blank (1A18049-CCB3)			Lab File ID: ECD3-01182136.D		Analyzed: 01/18/21 22:33			
2,4,5,6-TCMX (Surr) [2C]	100	67	42 - 129	5.79	5.878333	-0.0883	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	85	55 - 130	10.276	10.38533	-0.1093	+/-1.0	
USMPDI-006SC-D-08-10-201110 (A0K0482-19RE1)			Lab File ID: ECD3-01182137.D		Analyzed: 01/18/21 22:50			
2,4,5,6-TCMX (Surr) [2C]	62.1	58	42 - 129	5.789	5.878333	-0.0893	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	62.1	89	55 - 130	10.274	10.38533	-0.1113	+/-1.0	
USMPDI-006SC-D-10-12-201110 (A0K0482-20RE1)			Lab File ID: ECD3-01182138.D		Analyzed: 01/18/21 23:07			
2,4,5,6-TCMX (Surr) [2C]	65.7	57	42 - 129	5.788	5.878333	-0.0903	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	65.7	90	55 - 130	10.274	10.38533	-0.1113	+/-1.0	
USMPDI-006SC-D-12-14-201110 (A0K0482-21RE1)			Lab File ID: ECD3-01182139.D		Analyzed: 01/18/21 23:24			
2,4,5,6-TCMX (Surr) [2C]	64.8	75	42 - 129	5.788	5.878333	-0.0903	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	64.8	108	55 - 130	10.273	10.38533	-0.1123	+/-1.0	
Matrix Spike (1012907-MS2)			Lab File ID: ECD3-01182140.D		Analyzed: 01/18/21 23:41			
2,4,5,6-TCMX (Surr) [2C]	66.2	82	42 - 129	5.788	5.878333	-0.0903	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	66.2	104	55 - 130	10.274	10.38533	-0.1113	+/-1.0	
Matrix Spike Dup (1012907-MSD2)			Lab File ID: ECD3-01182141.D		Analyzed: 01/18/21 23:59			
2,4,5,6-TCMX (Surr) [2C]	65.2	53	42 - 129	5.788	5.878333	-0.0903	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	65.2	95	55 - 130	10.274	10.38533	-0.1113	+/-1.0	
USMPDI-1006SC-D-10-12-201110 (A0K0482-22RE1)			Lab File ID: ECD3-01182142.D		Analyzed: 01/19/21 00:15			
2,4,5,6-TCMX (Surr) [2C]	65.6	46	42 - 129	5.789	5.878333	-0.0893	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	65.6	91	55 - 130	10.273	10.38533	-0.1123	+/-1.0	
Calibration Check (1A18049-CCVA)			Lab File ID: ECD3-01182143.D		Analyzed: 01/19/21 00:32			
2,4,5,6-TCMX (Surr)	100	81	80 - 120	5.477	5.546556	-0.0696	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	100	83	80 - 120	5.79	5.878333	-0.0883	+/-1.0	
Decachlorobiphenyl (Surr)	100	96	80 - 120	9.676	9.757556	-0.0816	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	103	80 - 120	10.275	10.38533	-0.1103	+/-1.0	
Calibration Blank (1A18049-CCB4)			Lab File ID: ECD3-01182145.D		Analyzed: 01/19/21 01:06			
2,4,5,6-TCMX (Surr) [2C]	100	72	42 - 129	5.788	5.878333	-0.0903	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	87	55 - 130	10.275	10.38533	-0.1103	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	1A21053	Instrument:	DUALECD3
Matrix:	Sediment	Calibration:	A0L2210

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (1A21053-CCV1)			Lab File ID: ECD3-01212104.D		Analyzed: 01/21/21 13:01			
2,4,5,6-TCMX (Surr)	50.0	88	80 - 120	5.471	5.546556	-0.0756	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	50.0	90	80 - 120	5.779	5.878333	-0.0993	+/-1.0	
Decachlorobiphenyl (Surr)	50.0	102	80 - 120	9.681	9.757556	-0.0766	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	107	80 - 120	10.268	10.38533	-0.1173	+/-1.0	
Calibration Blank (1A21053-CCB1)			Lab File ID: ECD3-01212106.D		Analyzed: 01/21/21 13:35			
2,4,5,6-TCMX (Surr) [2C]	100	81	42 - 129	5.779	5.878333	-0.0993	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	100	55 - 130	10.268	10.38533	-0.1173	+/-1.0	
USMPDI-003SC-A-04-05-201110 (A0K0482-04RE2)			Lab File ID: ECD3-01212107.D		Analyzed: 01/21/21 13:52			
2,4,5,6-TCMX (Surr) [2C]	62.3	53	42 - 129	5.778	5.878333	-0.1003	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	62.3	105	55 - 130	10.267	10.38533	-0.1183	+/-1.0	
USMPDI-1003SC-A-01-02-201110 (A0K0482-05RE2)			Lab File ID: ECD3-01212108.D		Analyzed: 01/21/21 14:09			
2,4,5,6-TCMX (Surr) [2C]	69.2	62	42 - 129	5.777	5.878333	-0.1013	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	69.2	97	55 - 130	10.267	10.38533	-0.1183	+/-1.0	
USMPDI-003SC-B-06-08-201110 (A0K0482-10RE2)			Lab File ID: ECD3-01212109.D		Analyzed: 01/21/21 14:26			
2,4,5,6-TCMX (Surr) [2C]	56.3	64	42 - 129	5.776	5.878333	-0.1023	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	56.3	94	55 - 130	10.267	10.38533	-0.1183	+/-1.0	
USMPDI-006SC-A-01-02-201110 (A0K0482-11RE2)			Lab File ID: ECD3-01212110.D		Analyzed: 01/21/21 14:43			
2,4,5,6-TCMX (Surr) [2C]	76.5	59	42 - 129	5.775	5.878333	-0.1033	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	76.5	90	55 - 130	10.266	10.38533	-0.1193	+/-1.0	
USMPDI-006SC-A-02-03-201110 (A0K0482-12RE2)			Lab File ID: ECD3-01212112.D		Analyzed: 01/21/21 15:21			
2,4,5,6-TCMX (Surr) [2C]	71.4	60	42 - 129	5.779	5.878333	-0.0993	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	71.4	104	55 - 130	10.265	10.38533	-0.1203	+/-1.0	
USMPDI-006SC-A-03-04-201110 (A0K0482-13RE2)			Lab File ID: ECD3-01212113.D		Analyzed: 01/21/21 15:38			
2,4,5,6-TCMX (Surr) [2C]	59.9	72	42 - 129	5.778	5.878333	-0.1003	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	59.9	109	55 - 130	10.266	10.38533	-0.1193	+/-1.0	
USMPDI-006SC-A-04-05-201110 (A0K0482-14RE2)			Lab File ID: ECD3-01212114.D		Analyzed: 01/21/21 15:55			
2,4,5,6-TCMX (Surr) [2C]	57.3	60	42 - 129	5.777	5.878333	-0.1013	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	57.3	103	55 - 130	10.266	10.38533	-0.1193	+/-1.0	
USMPDI-006SC-D-06-08-201110 (A0K0482-18RE2)			Lab File ID: ECD3-01212115.D		Analyzed: 01/21/21 16:12			
2,4,5,6-TCMX (Surr) [2C]	58.8	63	42 - 129	5.778	5.878333	-0.1003	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	58.8	99	55 - 130	10.266	10.38533	-0.1193	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8081B

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	1A21053	Instrument:	DUALECD3
Matrix:	Sediment	Calibration:	A0L2210

Surrogate Compound	Spike Level ug/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
USMPDI-006SC-D-08-10-201110 (A0K0482-19RE2)				Lab File ID: ECD3-01212116.D		Analyzed: 01/21/21 16:29		
2,4,5,6-TCMX (Surr) [2C]	62.1	71	42 - 129	5.779	5.878333	-0.0993	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	62.1	99	55 - 130	10.267	10.38533	-0.1183	+/-1.0	
USMPDI-006SC-D-10-12-201110 (A0K0482-20RE2)				Lab File ID: ECD3-01212117.D		Analyzed: 01/21/21 16:46		
2,4,5,6-TCMX (Surr) [2C]	65.7	66	42 - 129	5.778	5.878333	-0.1003	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	65.7	99	55 - 130	10.265	10.38533	-0.1203	+/-1.0	
Calibration Check (1A21053-CCV3)				Lab File ID: ECD3-01212118.D		Analyzed: 01/21/21 17:03		
2,4,5,6-TCMX (Surr)	100	90	80 - 120	5.471	5.546556	-0.0756	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	100	95	80 - 120	5.779	5.878333	-0.0993	+/-1.0	
Decachlorobiphenyl (Surr)	100	105	80 - 120	9.681	9.757556	-0.0766	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	110	80 - 120	10.267	10.38533	-0.1183	+/-1.0	
Calibration Blank (1A21053-CCB2)				Lab File ID: ECD3-01212120.D		Analyzed: 01/21/21 17:38		
2,4,5,6-TCMX (Surr) [2C]	100	84	42 - 129	5.779	5.878333	-0.0993	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	96	55 - 130	10.266	10.38533	-0.1193	+/-1.0	
USMPDI-006SC-D-12-14-201110 (A0K0482-21RE2)				Lab File ID: ECD3-01212121.D		Analyzed: 01/21/21 17:55		
2,4,5,6-TCMX (Surr) [2C]	64.8	73	42 - 129	5.779	5.878333	-0.0993	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	64.8	107	55 - 130	10.266	10.38533	-0.1193	+/-1.0	
Matrix Spike (1012907-MS3)				Lab File ID: ECD3-01212122.D		Analyzed: 01/21/21 18:12		
2,4,5,6-TCMX (Surr) [2C]	66.2	85	42 - 129	5.778	5.878333	-0.1003	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	66.2	110	55 - 130	10.266	10.38533	-0.1193	+/-1.0	
Matrix Spike Dup (1012907-MSD3)				Lab File ID: ECD3-01212123.D		Analyzed: 01/21/21 18:29		
2,4,5,6-TCMX (Surr) [2C]	65.2	63	42 - 129	5.778	5.878333	-0.1003	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	65.2	112	55 - 130	10.266	10.38533	-0.1193	+/-1.0	
USMPDI-1006SC-D-10-12-201110 (A0K0482-22RE2)				Lab File ID: ECD3-01212124.D		Analyzed: 01/21/21 18:46		
2,4,5,6-TCMX (Surr) [2C]	65.6	57	42 - 129	5.778	5.878333	-0.1003	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	65.6	103	55 - 130	10.265	10.38533	-0.1203	+/-1.0	
Calibration Check (1A21053-CCV5)				Lab File ID: ECD3-01212131.D		Analyzed: 01/21/21 20:46		
2,4,5,6-TCMX (Surr)	50.0	92	80 - 120	5.47	5.546556	-0.0766	+/-1.0	
2,4,5,6-TCMX (Surr) [2C]	50.0	96	80 - 120	5.777	5.878333	-0.1013	+/-1.0	
Decachlorobiphenyl (Surr)	50.0	108	80 - 120	9.68	9.757556	-0.0776	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	50.0	114	80 - 120	10.265	10.38533	-0.1203	+/-1.0	
Calibration Blank (1A21053-CCB3)				Lab File ID: ECD3-01212133.D		Analyzed: 01/21/21 21:20		
2,4,5,6-TCMX (Surr) [2C]	100	85	42 - 129	5.777	5.878333	-0.1013	+/-1.0	
Decachlorobiphenyl (Surr) [2C]	100	102	55 - 130	10.265	10.38533	-0.1203	+/-1.0	

HOLDING TIME SUMMARY

EPA 8081B

Laboratory: Apex Laboratories SDG: A0K0482

Client: Anchor QEA, LLC Project: US Moorings -- C2, C3, C4

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
USMPDI-003SC-A-01-02-201110	11/10/20 12:15	11/11/20 13:30	01/06/21 11:23	56.96	14.00	01/18/21 16:49	12.23	40.00	*
USMPDI-003SC-A-02-03-201110	11/10/20 12:15	11/11/20 13:30	01/06/21 11:23	56.96	14.00	01/18/21 17:24	12.25	40.00	*
USMPDI-003SC-A-03-04-201110	11/10/20 12:15	11/11/20 13:30	01/06/21 11:23	56.96	14.00	01/18/21 17:41	12.26	40.00	*
USMPDI-003SC-A-04-05-201110	11/10/20 12:15	11/11/20 13:30	01/06/21 11:23	56.96	14.00	01/18/21 19:23	12.33	40.00	*
USMPDI-003SC-A-04-05-201110	11/10/20 12:15	11/11/20 13:30	01/06/21 11:23	56.96	14.00	01/21/21 13:52	15.10	40.00	*
USMPDI-1003SC-A-01-02-201110	11/10/20 12:15	11/11/20 13:30	01/06/21 11:23	56.96	14.00	01/18/21 19:40	12.35	40.00	*
USMPDI-1003SC-A-01-02-201110	11/10/20 12:15	11/11/20 13:30	01/06/21 11:23	56.96	14.00	01/21/21 14:09	15.12	40.00	*
USMPDI-003SC-B-06-08-201110	11/10/20 11:55	11/11/20 13:30	01/06/21 11:23	56.98	14.00	01/18/21 19:57	12.36	40.00	*
USMPDI-003SC-B-06-08-201110	11/10/20 11:55	11/11/20 13:30	01/06/21 11:23	56.98	14.00	01/21/21 14:26	15.13	40.00	*
USMPDI-006SC-A-01-02-201110	11/10/20 09:25	11/11/20 13:30	01/06/21 11:23	57.08	14.00	01/18/21 20:14	12.37	40.00	*
USMPDI-006SC-A-01-02-201110	11/10/20 09:25	11/11/20 13:30	01/06/21 11:23	57.08	14.00	01/21/21 14:43	15.14	40.00	*
USMPDI-006SC-A-02-03-201110	11/10/20 09:25	11/11/20 13:30	01/06/21 11:23	57.08	14.00	01/18/21 20:51	12.39	40.00	*
USMPDI-006SC-A-02-03-201110	11/10/20 09:25	11/11/20 13:30	01/06/21 11:23	57.08	14.00	01/21/21 15:21	15.17	40.00	*
USMPDI-006SC-A-03-04-201110	11/10/20 09:25	11/11/20 13:30	01/06/21 11:23	57.08	14.00	01/18/21 21:08	12.41	40.00	*
USMPDI-006SC-A-03-04-201110	11/10/20 09:25	11/11/20 13:30	01/06/21 11:23	57.08	14.00	01/21/21 15:38	15.18	40.00	*
USMPDI-006SC-A-04-05-201110	11/10/20 09:25	11/11/20 13:30	01/06/21 11:23	57.08	14.00	01/18/21 21:25	12.42	40.00	*
USMPDI-006SC-A-04-05-201110	11/10/20 09:25	11/11/20 13:30	01/06/21 11:23	57.08	14.00	01/21/21 15:55	15.19	40.00	*
USMPDI-006SC-D-06-08-201110	11/10/20 09:05	11/11/20 13:30	01/06/21 11:23	57.10	14.00	01/18/21 21:42	12.43	40.00	*
USMPDI-006SC-D-06-08-201110	11/10/20 09:05	11/11/20 13:30	01/06/21 11:23	57.10	14.00	01/21/21 16:12	15.20	40.00	*
USMPDI-006SC-D-08-10-201110	11/10/20 09:05	11/11/20 13:30	01/06/21 11:23	57.10	14.00	01/18/21 22:50	12.48	40.00	*
USMPDI-006SC-D-08-10-201110	11/10/20 09:05	11/11/20 13:30	01/06/21 11:23	57.10	14.00	01/21/21 16:29	15.21	40.00	*
USMPDI-006SC-D-10-12-201110	11/10/20 09:05	11/11/20 13:30	01/06/21 11:23	57.10	14.00	01/18/21 23:07	12.49	40.00	*
USMPDI-006SC-D-10-12-201110	11/10/20 09:05	11/11/20 13:30	01/06/21 11:23	57.10	14.00	01/21/21 16:46	15.22	40.00	*

HOLDING TIME SUMMARY

EPA 8081B

Laboratory: Apex Laboratories SDG: A0K0482

Client: Anchor QEA, LLC Project: US Moorings -- C2, C3, C4

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
USMPDI-006SC-D-12-14-201110	11/10/20 09:05	11/11/20 13:30	01/06/21 11:23	57.10	14.00	01/18/21 23:24	12.50	40.00	*
USMPDI-006SC-D-12-14-201110	11/10/20 09:05	11/11/20 13:30	01/06/21 11:23	57.10	14.00	01/21/21 17:55	15.27	40.00	*
USMPDI-1006SC-D-10-12-201110	11/10/20 09:05	11/11/20 13:30	01/06/21 11:23	57.10	14.00	01/19/21 00:15	12.54	40.00	*
USMPDI-1006SC-D-10-12-201110	11/10/20 09:05	11/11/20 13:30	01/06/21 11:23	57.10	14.00	01/21/21 18:46	15.31	40.00	*

Apex Laboratories

SDG: A0K0482

CLASS: GCMS

METHOD: EPA 8270E

ANALYSES DATA PACKAGE COVER PAGE

EPA 8270E

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4

Client Sample Id:	Lab Sample Id:	Matrix
USMPDI-003SC-A-01-02-201110	A0K0482-01	SE
USMPDI-003SC-A-02-03-201110	A0K0482-02	SE
USMPDI-003SC-A-03-04-201110	A0K0482-03	SE
USMPDI-003SC-A-04-05-201110	A0K0482-04	SE
USMPDI-1003SC-A-01-02-201110	A0K0482-05	SE
USMPDI-003SC-B-00-02-201110	A0K0482-07	SE
USMPDI-003SC-B-02-04-201110	A0K0482-08	SE
USMPDI-003SC-B-04-06-201110	A0K0482-09	SE
USMPDI-003SC-B-06-08-201110	A0K0482-10	SE
USMPDI-006SC-A-01-02-201110	A0K0482-11	SE
USMPDI-006SC-A-02-03-201110	A0K0482-12	SE
USMPDI-006SC-A-03-04-201110	A0K0482-13	SE
USMPDI-006SC-A-04-05-201110	A0K0482-14	SE
USMPDI-006SC-D-00-02-201110	A0K0482-15	SE
USMPDI-006SC-D-02-04-201110	A0K0482-16	SE
USMPDI-006SC-D-04-06-201110	A0K0482-17	SE
USMPDI-006SC-D-06-08-201110	A0K0482-18	SE
USMPDI-006SC-D-08-10-201110	A0K0482-19	SE
USMPDI-006SC-D-10-12-201110	A0K0482-20	SE
USMPDI-006SC-D-12-14-201110	A0K0482-21	SE
USMPDI-1006SC-D-10-12-201110	A0K0482-22	SE

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in computer-readable data submitted on diskette has been autorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures.

Signature: 
Name: David G. Jack

Forms Created: 2/3/2021 11:44AM
Title: Technical Manager

METHOD DETECTION AND REPORTING LIMITS

EPA 8270E

Laboratory: Apex Laboratories **SDG:** A0K0482

Client: Anchor QEA, LLC **Project:** US Moorings -- C2, C3, C4

Batch Matrix: Sediment

Analyte	MDL	MRL	Units
Acenaphthene	1.25	2.50	ug/kg
Acenaphthylene	1.25	2.50	ug/kg
Anthracene	1.25	2.50	ug/kg
Benz(a)anthracene	1.25	2.50	ug/kg
Benzo(a)pyrene	1.25	2.50	ug/kg
Benzo(b)fluoranthene	1.25	2.50	ug/kg
Benzo(k)fluoranthene	1.25	2.50	ug/kg
Benzo(g,h,i)perylene	1.25	2.50	ug/kg
Chrysene	1.25	2.50	ug/kg
Dibenz(a,h)anthracene	1.25	2.50	ug/kg
Fluoranthene	1.25	2.50	ug/kg
Fluorene	1.25	2.50	ug/kg
Indeno(1,2,3-cd)pyrene	1.25	2.50	ug/kg
2-Methylnaphthalene	1.25	2.50	ug/kg
Naphthalene	1.25	2.50	ug/kg
Phenanthrene	1.25	2.50	ug/kg
Pyrene	1.25	2.50	ug/kg
Pentachlorophenol (PCP)	12.5	25.0	ug/kg

Note: MDLs are listed only if the corresponding analyte was evalutated to the MDL in this report .

ORGANIC ANALYSIS DATA SHEET

EPA 8270E

USMPDI-003SC-A-01-02-201110

Laboratory:	Apex Laboratories			SDG:	A0K0482
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	SE	Laboratory ID:	A0K0482-01	File ID:	N01052118.D
Sampled:	11/10/20 12:15	Prepared:	01/05/21 07:42	Analyzed:	01/05/21 22:57
Solids:	67.56	Preparation:	EPA 3546	Initial/Final:	10.61 g / 5 mL
Batch:	1012490	Sequence:	1A05060	Calibration:	A0H1005
Instrument:	SV-GCMS14				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
83-32-9	Acenaphthene	1	11.8	
208-96-8	Acenaphthylene	1	1.86	J
120-12-7	Anthracene	1	1.98	J
56-55-3	Benz(a)anthracene	1	5.56	
50-32-8	Benzo(a)pyrene	1	8.21	
205-99-2	Benzo(b)fluoranthene	1	7.57	
207-08-9	Benzo(k)fluoranthene	1	2.41	J
191-24-2	Benzo(g,h,i)perylene	1	6.93	
218-01-9	Chrysene	1	6.90	
53-70-3	Dibenz(a,h)anthracene	1	1.74	U
206-44-0	Fluoranthene	1	16.3	
86-73-7	Fluorene	1	1.81	J
193-39-5	Indeno(1,2,3-cd)pyrene	1	5.37	
91-57-6	2-Methylnaphthalene	1	2.72	J
91-20-3	Naphthalene	1	7.92	
85-01-8	Phenanthrene	1	21.4	
129-00-0	Pyrene	1	18.6	

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorobiphenyl (Surr)	69.8	58.8	84	44 - 120	
p-Terphenyl-d14 (Surr)	69.8	62.2	89	54 - 127	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	185717	7.09	183926	7.085	
Acenaphthene-d10 (ISTD)	122658	8.822	131687	8.821	
Phenanthrene-d10 (ISTD)	222700	10.314	247141	10.314	
Chrysene-d12 (ISTD)	220118	13.368	229140	13.368	
Perylene-d12 (ISTD)	235649	16.591	232873	16.585	
Dibenz(a,h)anthracene-d14 (ISTD)	207075	18.963	208540	18.957	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8270E

USMPDI-003SC-A-02-03-201110

Laboratory:	Apex Laboratories		SDG:	A0K0482	
Client:	Anchor QEA, LLC		Project:	US Moorings -- C2, C3, C4	
Matrix:	SE	Laboratory ID:	A0K0482-02	File ID:	N01062116.D
Sampled:	11/10/20 12:15	Prepared:	01/05/21 07:42	Analyzed:	01/06/21 16:25
Solids:	78.85	Preparation:	EPA 3546	Initial/Final:	10.11 g / 5 mL
Batch:	1012490	Sequence:	1A06048	Calibration:	A0H1005
Instrument:	SV-GCMS14				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
83-32-9	Acenaphthene	1	2.18	J
208-96-8	Acenaphthylene	1	1.57	U
120-12-7	Anthracene	1	1.57	U
56-55-3	Benz(a)anthracene	1	2.00	J
50-32-8	Benzo(a)pyrene	1	5.09	
205-99-2	Benzo(b)fluoranthene	1	3.80	
207-08-9	Benzo(k)fluoranthene	1	1.57	U
191-24-2	Benzo(g,h,i)perylene	1	4.77	
218-01-9	Chrysene	1	2.06	J
53-70-3	Dibenz(a,h)anthracene	1	1.57	U
206-44-0	Fluoranthene	1	4.89	
86-73-7	Fluorene	1	1.57	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	3.83	
91-57-6	2-Methylnaphthalene	1	1.57	U
91-20-3	Naphthalene	1	1.57	U
85-01-8	Phenanthrene	1	6.04	
129-00-0	Pyrene	1	6.99	

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorobiphenyl (Surr)	62.7	52.8	84	44 - 120	
p-Terphenyl-d14 (Surr)	62.7	63.3	101	54 - 127	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	158475	7.09	198612	7.09	
Acenaphthene-d10 (ISTD)	99274	8.827	124717	8.822	
Phenanthrene-d10 (ISTD)	175008	10.319	232000	10.314	
Chrysene-d12 (ISTD)	151522	13.374	221707	13.374	
Perylene-d12 (ISTD)	154799	16.597	224932	16.597	
Dibenz(a,h)anthracene-d14 (ISTD)	134028	18.975	214046	18.969	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8270E

USMPDI-003SC-A-03-04-201110

Laboratory:	Apex Laboratories			SDG:	A0K0482
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	SE	Laboratory ID:	A0K0482-03	File ID:	N01052125.D
Sampled:	11/10/20 12:15	Prepared:	01/05/21 07:42	Analyzed:	01/06/21 02:30
Solids:	83.81	Preparation:	EPA 3546	Initial/Final:	10.28 g / 5 mL
Batch:	1012490	Sequence:	1A05060	Calibration:	A0H1005
Instrument:	SV-GCMS14				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
83-32-9	Acenaphthene	1	2.05	J
208-96-8	Acenaphthylene	1	1.45	U
120-12-7	Anthracene	1	1.45	U
56-55-3	Benz(a)anthracene	1	1.56	J
50-32-8	Benzo(a)pyrene	1	2.73	J
205-99-2	Benzo(b)fluoranthene	1	2.36	J
207-08-9	Benzo(k)fluoranthene	1	1.45	U
191-24-2	Benzo(g,h,i)perylene	1	2.03	J
218-01-9	Chrysene	1	1.89	J
53-70-3	Dibenz(a,h)anthracene	1	1.45	U
206-44-0	Fluoranthene	1	3.52	
86-73-7	Fluorene	1	1.45	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	1.69	J
91-57-6	2-Methylnaphthalene	1	1.45	U
91-20-3	Naphthalene	1	1.45	U
85-01-8	Phenanthrene	1	5.26	
129-00-0	Pyrene	1	4.78	

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorobiphenyl (Surr)	58.0	39.5	68	44 - 120	
p-Terphenyl-d14 (Surr)	58.0	46.8	81	54 - 127	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	171217	7.09	183926	7.085	
Acenaphthene-d10 (ISTD)	117711	8.821	131687	8.821	
Phenanthrene-d10 (ISTD)	211221	10.313	247141	10.314	
Chrysene-d12 (ISTD)	195766	13.368	229140	13.368	
Perylene-d12 (ISTD)	209515	16.585	232873	16.585	
Dibenz(a,h)anthracene-d14 (ISTD)	177888	18.963	208540	18.957	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8270E

USMPDI-003SC-A-04-05-201110

Laboratory:	Apex Laboratories			SDG:	A0K0482
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	SE	Laboratory ID:	A0K0482-04	File ID:	N01062117.D
Sampled:	11/10/20 12:15	Prepared:	01/05/21 07:42	Analyzed:	01/06/21 16:57
Solids:	76.80	Preparation:	EPA 3546	Initial/Final:	10.43 g / 5 mL
Batch:	1012490	Sequence:	1A06048	Calibration:	A0H1005
Instrument:	SV-GCMS14				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
83-32-9	Acenaphthene	1	8.64	
208-96-8	Acenaphthylene	1	1.56	U
120-12-7	Anthracene	1	1.67	J
56-55-3	Benz(a)anthracene	1	6.67	
50-32-8	Benzo(a)pyrene	1	11.2	
205-99-2	Benzo(b)fluoranthene	1	9.10	
207-08-9	Benzo(k)fluoranthene	1	3.03	J
191-24-2	Benzo(g,h,i)perylene	1	7.81	
218-01-9	Chrysene	1	7.72	
53-70-3	Dibenz(a,h)anthracene	1	1.56	U
206-44-0	Fluoranthene	1	18.4	
86-73-7	Fluorene	1	2.10	J
193-39-5	Indeno(1,2,3-cd)pyrene	1	6.39	
91-57-6	2-Methylnaphthalene	1	1.56	U
91-20-3	Naphthalene	1	3.05	J
85-01-8	Phenanthrene	1	25.3	
129-00-0	Pyrene	1	22.3	

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorobiphenyl (Surr)	62.4	42.8	69	44 - 120	
p-Terphenyl-d14 (Surr)	62.4	56.0	90	54 - 127	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	167139	7.09	198612	7.09	
Acenaphthene-d10 (ISTD)	106663	8.827	124717	8.822	
Phenanthrene-d10 (ISTD)	206972	10.319	232000	10.314	
Chrysene-d12 (ISTD)	208856	13.379	221707	13.374	
Perylene-d12 (ISTD)	220049	16.603	224932	16.597	
Dibenz(a,h)anthracene-d14 (ISTD)	203997	18.975	214046	18.969	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8270E

USMPDI-1003SC-A-01-02-201110

Laboratory:	Apex Laboratories			SDG:	A0K0482
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	SE	Laboratory ID:	A0K0482-05	File ID:	N01062118.D
Sampled:	11/10/20 12:15	Prepared:	01/05/21 07:42	Analyzed:	01/06/21 17:29
Solids:	69.13	Preparation:	EPA 3546	Initial/Final:	10.08 g / 5 mL
Batch:	1012490	Sequence:	1A06048	Calibration:	A0H1005
Instrument:	SV-GCMS14				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
83-32-9	Acenaphthene	1	10.5	
208-96-8	Acenaphthylene	1	1.79	U
120-12-7	Anthracene	1	4.97	
56-55-3	Benz(a)anthracene	1	17.2	
50-32-8	Benzo(a)pyrene	1	25.7	
205-99-2	Benzo(b)fluoranthene	1	22.1	
207-08-9	Benzo(k)fluoranthene	1	8.24	
191-24-2	Benzo(g,h,i)perylene	1	13.3	
218-01-9	Chrysene	1	17.5	
53-70-3	Dibenz(a,h)anthracene	1	1.80	J
206-44-0	Fluoranthene	1	43.2	
86-73-7	Fluorene	1	2.93	J
193-39-5	Indeno(1,2,3-cd)pyrene	1	12.3	
91-57-6	2-Methylnaphthalene	1	2.42	J
91-20-3	Naphthalene	1	4.10	
85-01-8	Phenanthrene	1	33.6	
129-00-0	Pyrene	1	40.7	

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorobiphenyl (Surr)	71.7	55.3	77	44 - 120	
p-Terphenyl-d14 (Surr)	71.7	66.9	93	54 - 127	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	171143	7.09	198612	7.09	
Acenaphthene-d10 (ISTD)	111141	8.827	124717	8.822	
Phenanthrene-d10 (ISTD)	207368	10.319	232000	10.314	
Chrysene-d12 (ISTD)	216657	13.379	221707	13.374	
Perylene-d12 (ISTD)	227680	16.603	224932	16.597	
Dibenz(a,h)anthracene-d14 (ISTD)	210149	18.981	214046	18.969	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8270E

USMPDI-003SC-B-00-02-201110

Laboratory:	Apex Laboratories		SDG:	A0K0482	
Client:	Anchor QEA, LLC		Project:	US Moorings -- C2, C3, C4	
Matrix:	SE	Laboratory ID:	A0K0482-07	File ID:	N01052135.D
Sampled:	11/10/20 11:55	Prepared:	01/05/21 07:42	Analyzed:	01/06/21 07:37
		Preparation:	EPA 3546	Initial/Final:	10.45 g / 5 mL

Batch: 1012490 Sequence: 1A05060 Calibration: A0H1005 Instrument: SV-GCMS14

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg wet)	Q
87-86-5	Pentachlorophenol (PCP)	4	47.8	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg wet)	CONC (ug/kg wet)	% REC	QC LIMITS	Q
2,4,6-Tribromophenol (Surr)	47.8	60.3	126	39 - 132	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	166625	7.09	183926	7.085	
Acenaphthene-d10 (ISTD)	120401	8.827	131687	8.821	
Phenanthrene-d10 (ISTD)	225051	10.314	247141	10.314	
Chrysene-d12 (ISTD)	217637	13.38	229140	13.368	
Perylene-d12 (ISTD)	226046	16.609	232873	16.585	
Dibenz(a,h)anthracene-d14 (ISTD)	192602	18.987	208540	18.957	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8270E

USMPDI-003SC-B-02-04-201110

Laboratory:	Apex Laboratories			SDG:	A0K0482
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	SE	Laboratory ID:	A0K0482-08	File ID:	N01052132.D
Sampled:	11/10/20 11:55	Prepared:	01/05/21 07:42	Analyzed:	01/06/21 06:02
Solids:	78.77	Preparation:	EPA 3546	Initial/Final:	10.35 g / 5 mL
Batch:	1012490	Sequence:	1A05060	Calibration:	A0H1005
Instrument:	SV-GCMS14				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
87-86-5	Pentachlorophenol (PCP)	1	15.3	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,6-Tribromophenol (Surr)	61.3	63.1	103	39 - 132	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	187276	7.091	183926	7.085	
Acenaphthene-d10 (ISTD)	130950	8.822	131687	8.821	
Phenanthrene-d10 (ISTD)	244739	10.314	247141	10.314	
Chrysene-d12 (ISTD)	243691	13.374	229140	13.368	
Perylene-d12 (ISTD)	264432	16.597	232873	16.585	
Dibenz(a,h)anthracene-d14 (ISTD)	227313	18.969	208540	18.957	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8270E

USMPDI-003SC-B-04-06-201110

Laboratory:	Apex Laboratories		SDG:	A0K0482	
Client:	Anchor QEA, LLC		Project:	US Moorings -- C2, C3, C4	
Matrix:	SE	Laboratory ID:	A0K0482-09	File ID:	N01052133.D
Sampled:	11/10/20 11:55	Prepared:	01/05/21 07:42	Analyzed:	01/06/21 06:33
Solids:	78.61	Preparation:	EPA 3546	Initial/Final:	10.47 g / 5 mL
Batch:	1012490	Sequence:	1A05060	Calibration:	A0H1005
Instrument:	SV-GCMS14				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
87-86-5	Pentachlorophenol (PCP)	1	15.2	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,6-Tribromophenol (Surr)	60.8	72.5	119	39 - 132	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	183822	7.09	183926	7.085	
Acenaphthene-d10 (ISTD)	130024	8.821	131687	8.821	
Phenanthrene-d10 (ISTD)	250582	10.314	247141	10.314	
Chrysene-d12 (ISTD)	252992	13.374	229140	13.368	
Perylene-d12 (ISTD)	278129	16.591	232873	16.585	
Dibenz(a,h)anthracene-d14 (ISTD)	247192	18.969	208540	18.957	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8270E

USMPDI-003SC-B-06-08-201110

Laboratory:	Apex Laboratories		SDG:	A0K0482	
Client:	Anchor QEA, LLC		Project:	US Moorings -- C2, C3, C4	
Matrix:	SE	Laboratory ID:	A0K0482-10	File ID:	N01052134.D
Sampled:	11/10/20 11:55	Prepared:	01/05/21 07:42	Analyzed:	01/06/21 07:05
Solids:	83.31	Preparation:	EPA 3546	Initial/Final:	10.06 g / 5 mL
Batch:	1012490	Sequence:	1A05060	Calibration:	A0H1005
Instrument:	SV-GCMS14				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
83-32-9	Acenaphthene	1	1.49	U
208-96-8	Acenaphthylene	1	1.49	U
120-12-7	Anthracene	1	1.49	U
56-55-3	Benz(a)anthracene	1	1.49	U
50-32-8	Benzo(a)pyrene	1	1.49	U
205-99-2	Benzo(b)fluoranthene	1	1.49	U
207-08-9	Benzo(k)fluoranthene	1	1.49	U
191-24-2	Benzo(g,h,i)perylene	1	1.49	U
218-01-9	Chrysene	1	1.49	U
53-70-3	Dibenz(a,h)anthracene	1	1.49	U
206-44-0	Fluoranthene	1	1.49	U
86-73-7	Fluorene	1	1.49	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	1.49	U
91-57-6	2-Methylnaphthalene	1	1.49	U
91-20-3	Naphthalene	1	1.49	U
85-01-8	Phenanthrene	1	1.49	U
129-00-0	Pyrene	1	1.49	U
87-86-5	Pentachlorophenol (PCP)	1	14.9	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorobiphenyl (Surr)	59.7	46.7	78	44 - 120	
p-Terphenyl-d14 (Surr)	59.7	49.6	83	54 - 127	
2,4,6-Tribromophenol (Surr)	59.7	68.7	115	39 - 132	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	186408	7.09	183926	7.085	
Acenaphthene-d10 (ISTD)	129095	8.821	131687	8.821	
Phenanthrene-d10 (ISTD)	242124	10.314	247141	10.314	
Chrysene-d12 (ISTD)	237481	13.374	229140	13.368	
Perylene-d12 (ISTD)	250404	16.591	232873	16.585	
Dibenz(a,h)anthracene-d14 (ISTD)	227702	18.969	208540	18.957	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8270E

USMPDI-006SC-A-01-02-201110

Laboratory:	Apex Laboratories		SDG:	A0K0482	
Client:	Anchor QEA, LLC		Project:	US Moorings -- C2, C3, C4	
Matrix:	SE	Laboratory ID:	A0K0482-11	File ID:	N01062119.D
Sampled:	11/10/20 09:25	Prepared:	01/05/21 07:42	Analyzed:	01/06/21 18:01
Solids:	61.49	Preparation:	EPA 3546	Initial/Final:	10.49 g / 5 mL
Batch:	1012490	Sequence:	1A06048	Calibration:	A0H1005
Instrument:	SV-GCMS14				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
83-32-9	Acenaphthene	40	267	D
208-96-8	Acenaphthylene	40	264	D
120-12-7	Anthracene	40	315	D
56-55-3	Benz(a)anthracene	40	1400	D
50-32-8	Benzo(a)pyrene	40	2660	D
205-99-2	Benzo(b)fluoranthene	40	2100	D
207-08-9	Benzo(k)fluoranthene	40	743	D
191-24-2	Benzo(g,h,i)perylene	40	1810	D
218-01-9	Chrysene	40	1660	D
53-70-3	Dibenz(a,h)anthracene	40	202	D
206-44-0	Fluoranthene	40	2640	D
86-73-7	Fluorene	40	158	D
193-39-5	Indeno(1,2,3-cd)pyrene	40	1510	D
91-57-6	2-Methylnaphthalene	40	124	JD
91-20-3	Naphthalene	40	426	D
85-01-8	Phenanthrene	40	1470	D
129-00-0	Pyrene	40	2950	D

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorobiphenyl (Surr)	77.5	54.3	70	44 - 120	D
p-Terphenyl-d14 (Surr)	77.5	85.6	110	54 - 127	D

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	160159	7.091	198612	7.09	
Acenaphthene-d10 (ISTD)	94305	8.827	124717	8.822	
Phenanthrene-d10 (ISTD)	156209	10.314	232000	10.314	
Chrysene-d12 (ISTD)	143962	13.38	221707	13.374	
Perylene-d12 (ISTD)	155254	16.603	224932	16.597	
Dibenz(a,h)anthracene-d14 (ISTD)	140780	18.981	214046	18.969	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8270E

USMPDI-006SC-A-02-03-201110

Laboratory:	Apex Laboratories			SDG:	A0K0482
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	SE	Laboratory ID:	A0K0482-12	File ID:	N01062120.D
Sampled:	11/10/20 09:25	Prepared:	01/05/21 07:42	Analyzed:	01/06/21 18:33
Solids:	69.17	Preparation:	EPA 3546	Initial/Final:	10.16 g / 5 mL
Batch:	1012490	Sequence:	1A06048	Calibration:	A0H1005
Instrument:	SV-GCMS14				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
83-32-9	Acenaphthene	4	140	D
208-96-8	Acenaphthylene	4	33.7	D
120-12-7	Anthracene	4	50.1	D
56-55-3	Benz(a)anthracene	4	212	D
50-32-8	Benzo(a)pyrene	4	347	D
205-99-2	Benzo(b)fluoranthene	4	284	D
207-08-9	Benzo(k)fluoranthene	4	105	D
191-24-2	Benzo(g,h,i)perylene	4	208	D
218-01-9	Chrysene	4	237	D
53-70-3	Dibenz(a,h)anthracene	4	26.5	D
206-44-0	Fluoranthene	4	557	D
86-73-7	Fluorene	4	36.0	D
193-39-5	Indeno(1,2,3-cd)pyrene	4	184	D
91-57-6	2-Methylnaphthalene	4	11.7	JD
91-20-3	Naphthalene	4	50.8	D
85-01-8	Phenanthrene	4	468	D
129-00-0	Pyrene	4	521	D

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorobiphenyl (Surr)	71.2	60.5	85	44 - 120	
p-Terphenyl-d14 (Surr)	71.2	63.4	89	54 - 127	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	156647	7.09	198612	7.09	
Acenaphthene-d10 (ISTD)	102238	8.827	124717	8.822	
Phenanthrene-d10 (ISTD)	186723	10.314	232000	10.314	
Chrysene-d12 (ISTD)	199426	13.38	221707	13.374	
Perylene-d12 (ISTD)	221713	16.603	224932	16.597	
Dibenz(a,h)anthracene-d14 (ISTD)	205990	18.981	214046	18.969	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8270E

USMPDI-006SC-A-03-04-201110

Laboratory:	Apex Laboratories			SDG:	A0K0482
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	SE	Laboratory ID:	A0K0482-13	File ID:	N01062121.D
Sampled:	11/10/20 09:25	Prepared:	01/05/21 07:42	Analyzed:	01/06/21 19:06
Solids:	81.09	Preparation:	EPA 3546	Initial/Final:	10.51 g / 5 mL
Batch:	1012490	Sequence:	1A06048	Calibration:	A0H1005
Instrument:	SV-GCMS14				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
83-32-9	Acenaphthene	1	15.7	
208-96-8	Acenaphthylene	1	2.01	J
120-12-7	Anthracene	1	1.87	J
56-55-3	Benz(a)anthracene	1	9.90	
50-32-8	Benzo(a)pyrene	1	17.3	
205-99-2	Benzo(b)fluoranthene	1	14.5	
207-08-9	Benzo(k)fluoranthene	1	4.76	
191-24-2	Benzo(g,h,i)perylene	1	11.6	
218-01-9	Chrysene	1	12.1	
53-70-3	Dibenz(a,h)anthracene	1	1.47	U
206-44-0	Fluoranthene	1	27.5	
86-73-7	Fluorene	1	2.27	J
193-39-5	Indeno(1,2,3-cd)pyrene	1	9.96	
91-57-6	2-Methylnaphthalene	1	1.47	U
91-20-3	Naphthalene	1	1.78	J
85-01-8	Phenanthrene	1	58.2	
129-00-0	Pyrene	1	43.1	

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorobiphenyl (Surr)	58.7	50.0	85	44 - 120	
p-Terphenyl-d14 (Surr)	58.7	59.4	101	54 - 127	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	167430	7.09	198612	7.09	
Acenaphthene-d10 (ISTD)	105987	8.827	124717	8.822	
Phenanthrene-d10 (ISTD)	187813	10.314	232000	10.314	
Chrysene-d12 (ISTD)	168553	13.374	221707	13.374	
Perylene-d12 (ISTD)	171189	16.597	224932	16.597	
Dibenz(a,h)anthracene-d14 (ISTD)	147697	18.975	214046	18.969	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8270E

USMPDI-006SC-A-04-05-201110

Laboratory:	Apex Laboratories			SDG:	A0K0482
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	SE	Laboratory ID:	A0K0482-14	File ID:	N01062122.D
Sampled:	11/10/20 09:25	Prepared:	01/05/21 07:42	Analyzed:	01/06/21 19:38
Solids:	83.20	Preparation:	EPA 3546	Initial/Final:	10.5 g / 5 mL
Batch:	1012490	Sequence:	1A06048	Calibration:	A0H1005
Instrument:	SV-GCMS14				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
83-32-9	Acenaphthene	1	156	
208-96-8	Acenaphthylene	1	4.88	
120-12-7	Anthracene	1	8.41	
56-55-3	Benz(a)anthracene	1	23.4	
50-32-8	Benzo(a)pyrene	1	28.0	
205-99-2	Benzo(b)fluoranthene	1	22.2	
207-08-9	Benzo(k)fluoranthene	1	6.36	
191-24-2	Benzo(g,h,i)perylene	1	18.6	
218-01-9	Chrysene	1	26.0	
53-70-3	Dibenz(a,h)anthracene	1	1.69	J
206-44-0	Fluoranthene	1	90.1	
86-73-7	Fluorene	1	14.5	
193-39-5	Indeno(1,2,3-cd)pyrene	1	14.7	
91-57-6	2-Methylnaphthalene	1	5.64	
91-20-3	Naphthalene	1	18.6	
129-00-0	Pyrene	1	145	

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorobiphenyl (Surr)	57.2	47.1	82	44 - 120	
p-Terphenyl-d14 (Surr)	57.2	50.4	88	54 - 127	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	169909	7.091	198612	7.09	
Acenaphthene-d10 (ISTD)	104480	8.828	124717	8.822	
Phenanthrene-d10 (ISTD)	193720	10.32	232000	10.314	
Chrysene-d12 (ISTD)	187441	13.38	221707	13.374	
Perylene-d12 (ISTD)	194474	16.609	224932	16.597	
Dibenz(a,h)anthracene-d14 (ISTD)	175729	18.981	214046	18.969	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8270E

USMPDI-006SC-A-04-05-201110

Laboratory:	Apex Laboratories			SDG:	A0K0482
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	SE	Laboratory ID:	A0K0482-14RE1	File ID:	N01062124.D
Sampled:	11/10/20 09:25	Prepared:	01/05/21 07:42	Analyzed:	01/06/21 21:01
Solids:	83.20	Preparation:	EPA 3546	Initial/Final:	10.5 g / 5 mL
Batch:	1012490	Sequence:	1A06048	Calibration:	A0H1005
Instrument:	SV-GCMS14				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
85-01-8	Phenanthrene	10	391	D

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorobiphenyl (Surr)	57.2	49.2	86	44 - 120	
p-Terphenyl-d14 (Surr)	57.2	51.2	90	54 - 127	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	167629	7.09	198612	7.09	
Acenaphthene-d10 (ISTD)	102978	8.822	124717	8.822	
Phenanthrene-d10 (ISTD)	191422	10.314	232000	10.314	
Chrysene-d12 (ISTD)	190431	13.374	221707	13.374	
Perylene-d12 (ISTD)	199935	16.597	224932	16.597	
Dibenz(a,h)anthracene-d14 (ISTD)	185388	18.975	214046	18.969	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8270E

USMPDI-006SC-D-00-02-201110

Laboratory:	Apex Laboratories		SDG:	A0K0482	
Client:	Anchor QEA, LLC		Project:	US Moorings -- C2, C3, C4	
Matrix:	SE	Laboratory ID:	A0K0482-15	File ID:	N01062111.D
Sampled:	11/10/20 09:05	Prepared:	01/05/21 07:42	Analyzed:	01/06/21 13:43
Solids:	56.97	Preparation:	EPA 3546	Initial/Final:	10.63 g / 5 mL
Batch:	1012490	Sequence:	1A06048	Calibration:	A0H1005
Instrument:	SV-GCMS14				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
87-86-5	Pentachlorophenol (PCP)	4	148	JD

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,6-Tribromophenol (Surr)	82.6	102	123	39 - 132	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	197743	7.091	198612	7.09	
Acenaphthene-d10 (ISTD)	116545	8.828	124717	8.822	
Phenanthrene-d10 (ISTD)	212157	10.32	232000	10.314	
Chrysene-d12 (ISTD)	219303	13.386	221707	13.374	
Perylene-d12 (ISTD)	227153	16.615	224932	16.597	
Dibenz(a,h)anthracene-d14 (ISTD)	209246	18.993	214046	18.969	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8270E

USMPDI-006SC-D-02-04-201110

Laboratory:	Apex Laboratories		SDG:	A0K0482	
Client:	Anchor QEA, LLC		Project:	US Moorings -- C2, C3, C4	
Matrix:	SE	Laboratory ID:	A0K0482-16	File ID:	N01062112.D
Sampled:	11/10/20 09:05	Prepared:	01/05/21 07:42	Analyzed:	01/06/21 14:15
Solids:	77.04	Preparation:	EPA 3546	Initial/Final:	10.52 g / 5 mL
Batch:	1012490	Sequence:	1A06048	Calibration:	A0H1005
Instrument:	SV-GCMS14				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
87-86-5	Pentachlorophenol (PCP)	1	15.4	J

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,6-Tribromophenol (Surr)	61.7	87.9	142	39 - 132	*

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	161172	7.091	198612	7.09	
Acenaphthene-d10 (ISTD)	104592	8.828	124717	8.822	
Phenanthrene-d10 (ISTD)	197729	10.32	232000	10.314	
Chrysene-d12 (ISTD)	227094	13.38	221707	13.374	
Perylene-d12 (ISTD)	248098	16.609	224932	16.597	
Dibenz(a,h)anthracene-d14 (ISTD)	229122	18.987	214046	18.969	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8270E

USMPDI-006SC-D-04-06-201110

Laboratory:	Apex Laboratories		SDG:	A0K0482	
Client:	Anchor QEA, LLC		Project:	US Moorings -- C2, C3, C4	
Matrix:	SE	Laboratory ID:	A0K0482-17	File ID:	N01062113.D
Sampled:	11/10/20 09:05	Prepared:	01/05/21 07:42	Analyzed:	01/06/21 14:48
Solids:	81.62	Preparation:	EPA 3546	Initial/Final:	10.24 g / 5 mL
Batch:	1012490	Sequence:	1A06048	Calibration:	A0H1005
Instrument:	SV-GCMS14				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
87-86-5	Pentachlorophenol (PCP)	1	15.0	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2,4,6-Tribromophenol (Surr)	59.8	86.8	145	39 - 132	*

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	158408	7.091	198612	7.09	
Acenaphthene-d10 (ISTD)	105885	8.827	124717	8.822	
Phenanthrene-d10 (ISTD)	197229	10.314	232000	10.314	
Chrysene-d12 (ISTD)	204691	13.374	221707	13.374	
Perylene-d12 (ISTD)	216921	16.603	224932	16.597	
Dibenz(a,h)anthracene-d14 (ISTD)	204985	18.975	214046	18.969	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8270E

USMPDI-006SC-D-06-08-201110

Laboratory:	Apex Laboratories		SDG:	A0K0482	
Client:	Anchor QEA, LLC		Project:	US Moorings -- C2, C3, C4	
Matrix:	SE	Laboratory ID:	A0K0482-18	File ID:	N01062114.D
Sampled:	11/10/20 09:05	Prepared:	01/05/21 07:42	Analyzed:	01/06/21 15:20
Solids:	79.00	Preparation:	EPA 3546	Initial/Final:	10.43 g / 5 mL
Batch:	1012490	Sequence:	1A06048	Calibration:	A0H1005
Instrument:	SV-GCMS14				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
83-32-9	Acenaphthene	1	9.39	
208-96-8	Acenaphthylene	1	1.52	U
120-12-7	Anthracene	1	9.52	
56-55-3	Benz(a)anthracene	1	78.8	
50-32-8	Benzo(a)pyrene	1	62.1	
205-99-2	Benzo(b)fluoranthene	1	67.8	
207-08-9	Benzo(k)fluoranthene	1	25.0	
191-24-2	Benzo(g,h,i)perylene	1	22.5	
218-01-9	Chrysene	1	80.1	
53-70-3	Dibenz(a,h)anthracene	1	4.97	
206-44-0	Fluoranthene	1	89.6	
86-73-7	Fluorene	1	1.77	J
193-39-5	Indeno(1,2,3-cd)pyrene	1	23.3	
91-57-6	2-Methylnaphthalene	1	1.52	U
91-20-3	Naphthalene	1	1.57	J
85-01-8	Phenanthrene	1	35.8	
129-00-0	Pyrene	1	88.7	
87-86-5	Pentachlorophenol (PCP)	1	15.2	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorobiphenyl (Surr)	60.7	41.3	68	44 - 120	
p-Terphenyl-d14 (Surr)	60.7	58.0	96	54 - 127	
2,4,6-Tribromophenol (Surr)	60.7	77.7	128	39 - 132	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	165060	7.09	198612	7.09	
Acenaphthene-d10 (ISTD)	107481	8.827	124717	8.822	
Phenanthrene-d10 (ISTD)	204014	10.314	232000	10.314	
Chrysene-d12 (ISTD)	212910	13.379	221707	13.374	
Perylene-d12 (ISTD)	225529	16.597	224932	16.597	
Dibenz(a,h)anthracene-d14 (ISTD)	214397	18.975	214046	18.969	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8270E

USMPDI-006SC-D-08-10-201110

Laboratory:	Apex Laboratories		SDG:	A0K0482	
Client:	Anchor QEA, LLC		Project:	US Moorings -- C2, C3, C4	
Matrix:	SE	Laboratory ID:	A0K0482-19	File ID:	N01062115.D
Sampled:	11/10/20 09:05	Prepared:	01/05/21 07:42	Analyzed:	01/06/21 15:52
Solids:	75.87	Preparation:	EPA 3546	Initial/Final:	10.25 g / 5 mL
Batch:	1012490	Sequence:	1A06048	Calibration:	A0H1005
Instrument:	SV-GCMS14				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
83-32-9	Acenaphthene	1	1.98	J
208-96-8	Acenaphthylene	1	1.61	U
120-12-7	Anthracene	1	1.61	U
56-55-3	Benz(a)anthracene	1	1.61	U
50-32-8	Benzo(a)pyrene	1	3.21	U
205-99-2	Benzo(b)fluoranthene	1	1.61	U
207-08-9	Benzo(k)fluoranthene	1	1.61	U
191-24-2	Benzo(g,h,i)perylene	1	1.61	U
218-01-9	Chrysene	1	1.61	U
53-70-3	Dibenz(a,h)anthracene	1	1.61	U
206-44-0	Fluoranthene	1	1.82	J
86-73-7	Fluorene	1	1.61	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	1.61	U
91-57-6	2-Methylnaphthalene	1	1.61	U
91-20-3	Naphthalene	1	1.61	U
85-01-8	Phenanthrene	1	2.82	J
129-00-0	Pyrene	1	2.62	J
87-86-5	Pentachlorophenol (PCP)	1	16.1	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorobiphenyl (Surr)	64.3	57.2	89	44 - 120	
p-Terphenyl-d14 (Surr)	64.3	61.2	95	54 - 127	
2,4,6-Tribromophenol (Surr)	64.3	89.7	140	39 - 132	*

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	175532	7.09	198612	7.09	
Acenaphthene-d10 (ISTD)	104485	8.827	124717	8.822	
Phenanthrene-d10 (ISTD)	192115	10.314	232000	10.314	
Chrysene-d12 (ISTD)	195701	13.38	221707	13.374	
Perylene-d12 (ISTD)	208622	16.609	224932	16.597	
Dibenz(a,h)anthracene-d14 (ISTD)	193533	18.981	214046	18.969	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8270E

USMPDI-006SC-D-10-12-201110

Laboratory:	Apex Laboratories		SDG:	A0K0482	
Client:	Anchor QEA, LLC		Project:	US Moorings -- C2, C3, C4	
Matrix:	SE	Laboratory ID:	A0K0482-20	File ID:	N01052131.D
Sampled:	11/10/20 09:05	Prepared:	01/05/21 07:42	Analyzed:	01/06/21 05:32
Solids:	72.78	Preparation:	EPA 3546	Initial/Final:	10.26 g / 5 mL
Batch:	1012490	Sequence:	1A05060	Calibration:	A0H1005
Instrument:	SV-GCMS14				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
83-32-9	Acenaphthene	1	1.67	U
208-96-8	Acenaphthylene	1	1.67	U
120-12-7	Anthracene	1	1.67	U
56-55-3	Benz(a)anthracene	1	1.67	U
50-32-8	Benzo(a)pyrene	1	1.67	U
205-99-2	Benzo(b)fluoranthene	1	1.67	U
207-08-9	Benzo(k)fluoranthene	1	1.67	U
191-24-2	Benzo(g,h,i)perylene	1	1.67	U
218-01-9	Chrysene	1	1.67	U
53-70-3	Dibenz(a,h)anthracene	1	1.67	U
206-44-0	Fluoranthene	1	1.67	U
86-73-7	Fluorene	1	1.67	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	1.67	U
91-57-6	2-Methylnaphthalene	1	1.67	U
91-20-3	Naphthalene	1	1.67	U
85-01-8	Phenanthrene	1	1.67	U
129-00-0	Pyrene	1	1.67	U
87-86-5	Pentachlorophenol (PCP)	1	16.7	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorobiphenyl (Surr)	67.0	50.0	75	44 - 120	
p-Terphenyl-d14 (Surr)	67.0	54.5	81	54 - 127	
2,4,6-Tribromophenol (Surr)	67.0	76.7	114	39 - 132	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	197644	7.09	183926	7.085	
Acenaphthene-d10 (ISTD)	130923	8.821	131687	8.821	
Phenanthrene-d10 (ISTD)	237718	10.313	247141	10.314	
Chrysene-d12 (ISTD)	229713	13.368	229140	13.368	
Perylene-d12 (ISTD)	241664	16.591	232873	16.585	
Dibenz(a,h)anthracene-d14 (ISTD)	198675	18.969	208540	18.957	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8270E

USMPDI-006SC-D-12-14-201110

Laboratory:	Apex Laboratories		SDG:	A0K0482	
Client:	Anchor QEA, LLC		Project:	US Moorings -- C2, C3, C4	
Matrix:	SE	Laboratory ID:	A0K0482-21	File ID:	N01052128.D
Sampled:	11/10/20 09:05	Prepared:	01/05/21 07:42	Analyzed:	01/06/21 04:01
Solids:	73.57	Preparation:	EPA 3546	Initial/Final:	10.01 g / 5 mL
Batch:	1012490	Sequence:	1A05060	Calibration:	A0H1005
Instrument:	SV-GCMS14				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
83-32-9	Acenaphthene	1	1.70	U
208-96-8	Acenaphthylene	1	1.70	U
120-12-7	Anthracene	1	1.70	U
56-55-3	Benz(a)anthracene	1	3.77	
50-32-8	Benzo(a)pyrene	1	6.64	
205-99-2	Benzo(b)fluoranthene	1	5.62	
207-08-9	Benzo(k)fluoranthene	1	2.01	J
191-24-2	Benzo(g,h,i)perylene	1	5.47	
218-01-9	Chrysene	1	4.28	
53-70-3	Dibenz(a,h)anthracene	1	1.70	U
206-44-0	Fluoranthene	1	7.05	
86-73-7	Fluorene	1	1.70	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	4.54	
91-57-6	2-Methylnaphthalene	1	1.70	U
91-20-3	Naphthalene	1	2.25	J
85-01-8	Phenanthrene	1	4.22	
129-00-0	Pyrene	1	7.71	
87-86-5	Pentachlorophenol (PCP)	1	17.0	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorobiphenyl (Surr)	67.9	54.0	80	44 - 120	
p-Terphenyl-d14 (Surr)	67.9	55.5	82	54 - 127	
2,4,6-Tribromophenol (Surr)	67.9	84.4	124	39 - 132	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	185217	7.091	183926	7.085	
Acenaphthene-d10 (ISTD)	129305	8.822	131687	8.821	
Phenanthrene-d10 (ISTD)	253393	10.314	247141	10.314	
Chrysene-d12 (ISTD)	255747	13.368	229140	13.368	
Perylene-d12 (ISTD)	270149	16.591	232873	16.585	
Dibenz(a,h)anthracene-d14 (ISTD)	250891	18.964	208540	18.957	

* Values outside of QC limits

ORGANIC ANALYSIS DATA SHEET

EPA 8270E

USMPDI-1006SC-D-10-12-201110

Laboratory:	Apex Laboratories			SDG:	A0K0482
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	SE	Laboratory ID:	A0K0482-22	File ID:	N01052122.D
Sampled:	11/10/20 09:05	Prepared:	01/05/21 07:44	Analyzed:	01/06/21 00:58
Solids:	73.78	Preparation:	EPA 3546	Initial/Final:	10.36 g / 5 mL
Batch:	1012493	Sequence:	1A05060	Calibration:	A0H1005
Instrument:	SV-GCMS14				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
83-32-9	Acenaphthene	1	1.64	U
208-96-8	Acenaphthylene	1	1.64	U
120-12-7	Anthracene	1	1.64	U
56-55-3	Benz(a)anthracene	1	1.64	U
50-32-8	Benzo(a)pyrene	1	1.64	U
205-99-2	Benzo(b)fluoranthene	1	1.64	U
207-08-9	Benzo(k)fluoranthene	1	1.64	U
191-24-2	Benzo(g,h,i)perylene	1	1.64	U
218-01-9	Chrysene	1	1.64	U
53-70-3	Dibenz(a,h)anthracene	1	1.64	U
206-44-0	Fluoranthene	1	1.64	U
86-73-7	Fluorene	1	1.64	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	1.64	U
91-57-6	2-Methylnaphthalene	1	1.64	U
91-20-3	Naphthalene	1	1.64	U
85-01-8	Phenanthrene	1	1.64	U
129-00-0	Pyrene	1	1.64	U
87-86-5	Pentachlorophenol (PCP)	1	16.4	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg dry)	CONC (ug/kg dry)	% REC	QC LIMITS	Q
2-Fluorobiphenyl (Surr)	65.4	48.8	75	44 - 120	
p-Terphenyl-d14 (Surr)	65.4	52.1	80	54 - 127	
2,4,6-Tribromophenol (Surr)	65.4	84.7	130	39 - 132	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	187255	7.09	183926	7.085	
Acenaphthene-d10 (ISTD)	124792	8.821	131687	8.821	
Phenanthrene-d10 (ISTD)	228719	10.314	247141	10.314	
Chrysene-d12 (ISTD)	217282	13.368	229140	13.368	
Perylene-d12 (ISTD)	230777	16.585	232873	16.585	
Dibenz(a,h)anthracene-d14 (ISTD)	209622	18.957	208540	18.957	

* Values outside of QC limits

PREPARATION BATCH SUMMARY

EPA 8270E

Laboratory: Apex Laboratories SDG: A0K0482

Client: Anchor QEA, LLC Project: US Moorings -- C2, C3, C4

Batch: 1012490 Batch Matrix: Sediment Preparation: EPA 3546

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	1012490-BLK1	N01052116.D	01/05/21 07:42	
LCS	1012490-BS1	N01052117.D	01/05/21 07:42	
USMPDI-003SC-A-01-02-201110 (I	1012490-DUP1	N01052119.D	01/05/21 07:42	
USMPDI-003SC-A-03-04-201110 (M	1012490-MS1	N01052126.D	01/05/21 07:42	
USMPDI-006SC-D-12-14-201110 (M	1012490-MS2	N01052129.D	01/05/21 07:43	
USMPDI-003SC-A-03-04-201110 (M	1012490-MSD1	N01052127.D	01/05/21 07:43	
USMPDI-006SC-D-12-14-201110 (M	1012490-MSD2	N01052130.D	01/05/21 07:43	
USMPDI-003SC-A-01-02-201110	A0K0482-01	N01052118.D	01/05/21 07:42	
USMPDI-003SC-A-02-03-201110	A0K0482-02	N01062116.D	01/05/21 07:42	
USMPDI-003SC-A-03-04-201110	A0K0482-03	N01052125.D	01/05/21 07:42	
USMPDI-003SC-A-04-05-201110	A0K0482-04	N01062117.D	01/05/21 07:42	
USMPDI-1003SC-A-01-02-201110	A0K0482-05	N01062118.D	01/05/21 07:42	
USMPDI-003SC-B-00-02-201110	A0K0482-07	N01052135.D	01/05/21 07:42	
USMPDI-003SC-B-02-04-201110	A0K0482-08	N01052132.D	01/05/21 07:42	
USMPDI-003SC-B-04-06-201110	A0K0482-09	N01052133.D	01/05/21 07:42	
USMPDI-003SC-B-06-08-201110	A0K0482-10	N01052134.D	01/05/21 07:42	
USMPDI-006SC-A-01-02-201110	A0K0482-11	N01062119.D	01/05/21 07:42	
USMPDI-006SC-A-02-03-201110	A0K0482-12	N01062120.D	01/05/21 07:42	
USMPDI-006SC-A-03-04-201110	A0K0482-13	N01062121.D	01/05/21 07:42	
USMPDI-006SC-A-04-05-201110	A0K0482-14	N01062122.D	01/05/21 07:42	
USMPDI-006SC-A-04-05-201110	A0K0482-14RE1	N01062124.D	01/05/21 07:42	
USMPDI-006SC-D-00-02-201110	A0K0482-15	N01062111.D	01/05/21 07:42	
USMPDI-006SC-D-02-04-201110	A0K0482-16	N01062112.D	01/05/21 07:42	
USMPDI-006SC-D-04-06-201110	A0K0482-17	N01062113.D	01/05/21 07:42	
USMPDI-006SC-D-06-08-201110	A0K0482-18	N01062114.D	01/05/21 07:42	
USMPDI-006SC-D-08-10-201110	A0K0482-19	N01062115.D	01/05/21 07:42	
USMPDI-006SC-D-10-12-201110	A0K0482-20	N01052131.D	01/05/21 07:42	
USMPDI-006SC-D-12-14-201110	A0K0482-21	N01052128.D	01/05/21 07:42	

Note: Client samples are listed only if they are included in this report.
Duplicates and Matrix Spike/Duplicates QC Samples are only listed if sourced from a sample included in this report.

PREPARATION BATCH SUMMARY

EPA 8270E

Laboratory: Apex Laboratories SDG: A0K0482

Client: Anchor QEA, LLC Project: US Moorings -- C2, C3, C4

Batch: 1012493 Batch Matrix: Sediment Preparation: EPA 3546

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	1012493-BLK1	N01052120.D	01/05/21 07:44	
LCS	1012493-BS1	N01052121.D	01/05/21 07:44	
USMPDI-1006SC-D-10-12-201110 (	1012493-DUP1	N01052123.D	01/05/21 07:44	
USMPDI-1006SC-D-10-12-201110 (	1012493-MS1	N01052124.D	01/05/21 07:44	
USMPDI-1006SC-D-10-12-201110	A0K0482-22	N01052122.D	01/05/21 07:44	

Note: Client samples are listed only if they are included in this report.
Duplicates and Matrix Spike/Duplicates QC Samples are only listed if sourced from a sample included in this report.

METHOD BLANK DATA SHEET

EPA 8270E

Laboratory:	Apex Laboratories			SDG:	A0K0482
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	Sediment	Laboratory ID:	1012490-BLK1	File ID:	N01052116.D
Prepared:	01/05/21 07:42	Preparation:	EPA 3546	Initial/Final:	11 g / 5 mL
Analyzed:	01/05/21 21:55	Instrument:	SV-GCMS14		
Batch:	1012490	Sequence:	1A05060	Calibration:	A0H1005

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
83-32-9	Acenaphthene	1.14	U
208-96-8	Acenaphthylene	1.14	U
120-12-7	Anthracene	1.14	U
56-55-3	Benz(a)anthracene	1.14	U
50-32-8	Benzo(a)pyrene	1.14	U
205-99-2	Benzo(b)fluoranthene	1.14	U
207-08-9	Benzo(k)fluoranthene	1.14	U
191-24-2	Benzo(g,h,i)perylene	1.14	U
218-01-9	Chrysene	1.14	U
53-70-3	Dibenz(a,h)anthracene	1.14	U
206-44-0	Fluoranthene	1.14	U
86-73-7	Fluorene	1.14	U
193-39-5	Indeno(1,2,3-cd)pyrene	1.14	U
91-57-6	2-Methylnaphthalene	1.14	U
91-20-3	Naphthalene	1.14	U
85-01-8	Phenanthrene	1.14	U
129-00-0	Pyrene	1.14	U
87-86-5	Pentachlorophenol (PCP)	11.4	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg wet)	CONC (ug/kg wet)	% REC	QC LIMITS	Q
2-Fluorobiphenyl (Surr)	45.5	39.0	86	44 - 120	
p-Terphenyl-d14 (Surr)	45.5	42.8	94	54 - 127	
2,4,6-Tribromophenol (Surr)	45.5	46.1	101	39 - 132	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	192952	7.09	183926	7.085	
Acenaphthene-d10 (ISTD)	121197	8.822	131687	8.821	
Phenanthrene-d10 (ISTD)	216971	10.314	247141	10.314	
Chrysene-d12 (ISTD)	201010	13.368	229140	13.368	
Perylene-d12 (ISTD)	204652	16.585	232873	16.585	
Dibenz(a,h)anthracene-d14 (ISTD)	193596	18.958	208540	18.957	

METHOD BLANK DATA SHEET

EPA 8270E

Laboratory:	Apex Laboratories			SDG:	A0K0482
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	Sediment	Laboratory ID:	1012493-BLK1	File ID:	N01052120.D
Prepared:	01/05/21 07:44	Preparation:	EPA 3546	Initial/Final:	11 g / 5 mL
Analyzed:	01/05/21 23:58	Instrument:	SV-GCMS14		
Batch:	1012493	Sequence:	1A05060	Calibration:	A0H1005

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
83-32-9	Acenaphthene	1.14	U
208-96-8	Acenaphthylene	1.14	U
120-12-7	Anthracene	1.14	U
56-55-3	Benz(a)anthracene	1.14	U
50-32-8	Benzo(a)pyrene	1.14	U
205-99-2	Benzo(b)fluoranthene	1.14	U
207-08-9	Benzo(k)fluoranthene	1.14	U
191-24-2	Benzo(g,h,i)perylene	1.14	U
218-01-9	Chrysene	1.14	U
53-70-3	Dibenz(a,h)anthracene	1.14	U
206-44-0	Fluoranthene	1.14	U
86-73-7	Fluorene	1.14	U
193-39-5	Indeno(1,2,3-cd)pyrene	1.14	U
91-57-6	2-Methylnaphthalene	1.14	U
91-20-3	Naphthalene	1.14	U
85-01-8	Phenanthrene	1.14	U
129-00-0	Pyrene	1.14	U
87-86-5	Pentachlorophenol (PCP)	11.4	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg wet)	CONC (ug/kg wet)	% REC	QC LIMITS	Q
2-Fluorobiphenyl (Surr)	45.5	37.0	81	44 - 120	
p-Terphenyl-d14 (Surr)	45.5	41.3	91	54 - 127	
2,4,6-Tribromophenol (Surr)	45.5	50.4	111	39 - 132	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
Naphthalene-d8 (ISTD)	162048	7.09	183926	7.085	
Acenaphthene-d10 (ISTD)	115612	8.822	131687	8.821	
Phenanthrene-d10 (ISTD)	212252	10.314	247141	10.314	
Chrysene-d12 (ISTD)	197117	13.368	229140	13.368	
Perylene-d12 (ISTD)	205754	16.585	232873	16.585	
Dibenz(a,h)anthracene-d14 (ISTD)	195735	18.958	208540	18.957	

LCS / LCS DUPLICATE RECOVERY

EPA 8270E

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Matrix:	Sediment		
Batch:	1012490	Laboratory ID:	1012490-BS1
Preparation:	EPA 3546	Initial/Final:	10 g / 5 mL

COMPOUND	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC. (*=Out)	QC LIMITS REC.
Acenaphthene	20.0	14.5	72	40 - 123
Acenaphthylene	20.0	15.0	75	32 - 132
Anthracene	20.0	17.0	85	47 - 123
Benz(a)anthracene	20.0	18.7	93	49 - 126
Benzo(a)pyrene	20.0	18.8	94	45 - 129
Benzo(b)fluoranthene	20.0	18.3	92	45 - 132
Benzo(k)fluoranthene	20.0	18.8	94	47 - 132
Benzo(g,h,i)perylene	20.0	16.5	83	43 - 134
Chrysene	20.0	18.2	91	50 - 124
Dibenz(a,h)anthracene	20.0	16.0	80	45 - 134
Fluoranthene	20.0	18.0	90	50 - 127
Fluorene	20.0	16.2	81	43 - 125
Indeno(1,2,3-cd)pyrene	20.0	16.6	83	45 - 133
2-Methylnaphthalene	20.0	15.0	75	38 - 122
Naphthalene	20.0	13.7	69	35 - 123
Phenanthrene	20.0	14.9	75	50 - 121
Pyrene	20.0	15.0	75	47 - 127
Pentachlorophenol (PCP)	50.0	67.3	135 *	25 - 133

* = Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

EPA 8270E

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Matrix:	Sediment		
Batch:	1012493	Laboratory ID:	1012493-BS1
Preparation:	EPA 3546	Initial/Final:	10 g / 5 mL

COMPOUND	SPIKE ADDED (ug/kg wet)	LCS CONCENTRATION (ug/kg wet)	LCS % REC. (*=Out)	QC LIMITS REC.
Acenaphthene	20.0	18.1	91	40 - 123
Acenaphthylene	20.0	19.0	95	32 - 132
Anthracene	20.0	19.2	96	47 - 123
Benz(a)anthracene	20.0	18.8	94	49 - 126
Benzo(a)pyrene	20.0	19.1	95	45 - 129
Benzo(b)fluoranthene	20.0	18.8	94	45 - 132
Benzo(k)fluoranthene	20.0	18.3	92	47 - 132
Benzo(g,h,i)perylene	20.0	17.0	85	43 - 134
Chrysene	20.0	18.2	91	50 - 124
Dibenz(a,h)anthracene	20.0	16.4	82	45 - 134
Fluoranthene	20.0	19.0	95	50 - 127
Fluorene	20.0	19.1	96	43 - 125
Indeno(1,2,3-cd)pyrene	20.0	16.8	84	45 - 133
2-Methylnaphthalene	20.0	19.2	96	38 - 122
Naphthalene	20.0	17.5	87	35 - 123
Phenanthrene	20.0	17.5	88	50 - 121
Pyrene	20.0	16.6	83	47 - 127
Pentachlorophenol (PCP)	50.0	69.3	139 *	25 - 133

* = Values outside of QC limits

DUPLICATES

USMPDI-003SC-A-01-02-201110

EPA 8270E

Laboratory: Apex Laboratories
Client: Anchor QEA, LLC
Matrix: Sediment
Batch: 1012490
Preparation: EPA 3546
Source Sample Name: USMPDI-003SC-A-01-02-201110

SDG: A0K0482
Project: US Moorings -- C2, C3, C4
Laboratory ID: 1012490-DUP1
Lab Source ID: A0K0482-01
Initial/Final: 10.5 g / 5 mL
% Solids: 67.56

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (ug/kg dry)	C	DUPLICATE CONCENTRATION (ug/kg dry)	C	RPD %	Q	METHOD
Acenaphthene	30	11.8		12.1		2		EPA 8270E
Acenaphthylene	30	1.86		2.02		9		EPA 8270E
Anthracene	30	1.98		7.51		116	*	EPA 8270E
Benz(a)anthracene	30	5.56		7.26		27		EPA 8270E
Benzo(a)pyrene	30	8.21		7.77		6		EPA 8270E
Benzo(b)fluoranthene	30	7.57		6.95		9		EPA 8270E
Benzo(k)fluoranthene	30	2.41		2.34		3		EPA 8270E
Benzo(g,h,i)perylene	30	6.93		5.22		28		EPA 8270E
Chrysene	30	6.90		8.06		16		EPA 8270E
Dibenz(a,h)anthracene	30	0.781		ND				EPA 8270E
Fluoranthene	30	16.3		23.2		35	*	EPA 8270E
Fluorene	30	1.81		6.46		113	*	EPA 8270E
Indeno(1,2,3-cd)pyrene	30	5.37		4.17		25		EPA 8270E
2-Methylnaphthalene	30	2.72		13.4		132	*	EPA 8270E
Naphthalene	30	7.92		15.3		64	*	EPA 8270E
Phenanthrene	30	21.4		43.4		68	*	EPA 8270E
Pyrene	30	18.6		23.6		24		EPA 8270E
Pentachlorophenol (PCP)	30	16.9		ND				EPA 8270E

* Values outside of QC limits

DUPLICATES

USMPDI-1006SC-D-10-12-201110

EPA 8270E

Laboratory: Apex Laboratories
Client: Anchor QEA, LLC
Matrix: Sediment
Batch: 1012493
Preparation: EPA 3546
Source Sample Name: USMPDI-1006SC-D-10-12-201110

SDG: A0K0482
Project: US Moorings -- C2, C3, C4
Laboratory ID: 1012493-DUP1
Lab Source ID: A0K0482-22
Initial/Final: 10.25 g / 5 mL
% Solids: 73.78

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (ug/kg dry)	C	DUPLICATE CONCENTRATION (ug/kg dry)	C	RPD %	Q	METHOD
Acenaphthene	30	0.458		ND				EPA 8270E
Acenaphthylene	30	0.00		ND				EPA 8270E
Anthracene	30	0.00		ND				EPA 8270E
Benz(a)anthracene	30	0.373		ND				EPA 8270E
Benzo(a)pyrene	30	0.412		ND				EPA 8270E
Benzo(b)fluoranthene	30	0.340		ND				EPA 8270E
Benzo(k)fluoranthene	30	0.497		ND				EPA 8270E
Benzo(g,h,i)perylene	30	0.00		ND				EPA 8270E
Chrysene	30	0.00		ND				EPA 8270E
Dibenz(a,h)anthracene	30	0.00		ND				EPA 8270E
Fluoranthene	30	0.595		ND				EPA 8270E
Fluorene	30	0.00		ND				EPA 8270E
Indeno(1,2,3-cd)pyrene	30	0.00		ND				EPA 8270E
2-Methylnaphthalene	30	0.360		ND				EPA 8270E
Naphthalene	30	0.857		ND				EPA 8270E
Phenanthrene	30	0.746		2.74		200	*	EPA 8270E
Pyrene	30	0.582		ND				EPA 8270E
Pentachlorophenol (PCP)	30	8.15		ND				EPA 8270E

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 8270E

USMPDI-003SC-A-03-04-201110

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Matrix:	Sediment		
Batch:	1012490	Laboratory ID:	1012490-MS1
Preparation:	EPA 3546	Initial/Final:	10.33 g / 5 mL

Source Sample Name: USMPDI-003SC-A-03-04-201110

COMPOUND	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC. (*=Out)	QC LIMITS REC.
Acenaphthene	23.1	2.05	20.3	79	40 - 123
Acenaphthylene	23.1	ND	19.4	84	32 - 132
Anthracene	23.1	ND	21.1	91	47 - 123
Benz(a)anthracene	23.1	1.56	21.9	88	49 - 126
Benzo(a)pyrene	23.1	2.73	23.7	91	45 - 129
Benzo(b)fluoranthene	23.1	2.36	21.7	84	45 - 132
Benzo(k)fluoranthene	23.1	ND	20.8	90	47 - 132
Benzo(g,h,i)perylene	23.1	2.03	20.9	82	43 - 134
Chrysene	23.1	1.89	21.2	83	50 - 124
Dibenz(a,h)anthracene	23.1	ND	17.0	74	45 - 134
Fluoranthene	23.1	3.52	25.0	93	50 - 127
Fluorene	23.1	ND	20.5	89	43 - 125
Indeno(1,2,3-cd)pyrene	23.1	1.69	19.9	79	45 - 133
2-Methylnaphthalene	23.1	ND	19.6	85	38 - 122
Naphthalene	23.1	ND	17.9	78	35 - 123
Phenanthrene	23.1	5.26	24.3	82	50 - 121
Pyrene	23.1	4.78	23.1	79	47 - 127
Pentachlorophenol (PCP)	57.8	ND	92.4	160 *	25 - 133

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 8270E

USMPDI-003SC-A-03-04-201110

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Matrix:	Sediment		
Batch:	1012490	Laboratory ID:	1012490-MSD1
Preparation:	EPA 3546	Initial/Final:	10.27 g / 5 mL

Source Sample Name: USMPDI-003SC-A-03-04-201110

COMPOUND	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % RECOVERY	% RPD	QC LIMITS RPD	QC LIMITS REC.
Acenaphthene	23.2	23.3	91	14	30	40 - 123
Acenaphthylene	23.2	20.9	90	7	30	32 - 132
Anthracene	23.2	21.7	93	3	30	47 - 123
Benz(a)anthracene	23.2	22.6	91	3	30	49 - 126
Benzo(a)pyrene	23.2	23.7	90	0.2	30	45 - 129
Benzo(b)fluoranthene	23.2	23.7	92	9	30	45 - 132
Benzo(k)fluoranthene	23.2	20.8	90	0.4	30	47 - 132
Benzo(g,h,i)perylene	23.2	23.0	90	10	30	43 - 134
Chrysene	23.2	22.1	87	4	30	50 - 124
Dibenz(a,h)anthracene	23.2	17.7	76	4	30	45 - 134
Fluoranthene	23.2	26.2	97	4	30	50 - 127
Fluorene	23.2	21.5	92	5	30	43 - 125
Indeno(1,2,3-cd)pyrene	23.2	21.5	85	8	30	45 - 133
2-Methylnaphthalene	23.2	21.5	92	9	30	38 - 122
Naphthalene	23.2	19.8	85	10	30	35 - 123
Phenanthrene	23.2	26.3	90	8	30	50 - 121
Pyrene	23.2	26.8	95	15	30	47 - 127
Pentachlorophenol (PCP)	58.1	96.6	166 *	4	30	25 - 133

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 8270E

USMPDI-006SC-D-12-14-201110

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Matrix:	Sediment		
Batch:	1012490	Laboratory ID:	1012490-MS2
Preparation:	EPA 3546	Initial/Final:	10.07 g / 5 mL

Source Sample Name: USMPDI-006SC-D-12-14-201110

COMPOUND	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC. (*=Out)	QC LIMITS REC.
Acenaphthene	27.0	ND	23.5	87	40 - 123
Acenaphthylene	27.0	ND	24.0	89	32 - 132
Anthracene	27.0	ND	25.0	92	47 - 123
Benz(a)anthracene	27.0	3.77	25.2	79	49 - 126
Benzo(a)pyrene	27.0	6.64	25.0	68	45 - 129
Benzo(b)fluoranthene	27.0	5.62	24.3	69	45 - 132
Benzo(k)fluoranthene	27.0	2.01	24.5	83	47 - 132
Benzo(g,h,i)perylene	27.0	5.47	23.0	65	43 - 134
Chrysene	27.0	4.28	24.1	73	50 - 124
Dibenz(a,h)anthracene	27.0	ND	20.4	76	45 - 134
Fluoranthene	27.0	7.05	26.6	73	50 - 127
Fluorene	27.0	ND	24.6	91	43 - 125
Indeno(1,2,3-cd)pyrene	27.0	4.54	22.1	65	45 - 133
2-Methylnaphthalene	27.0	ND	24.6	91	38 - 122
Naphthalene	27.0	2.25	22.2	74	35 - 123
Phenanthrene	27.0	4.22	24.3	74	50 - 121
Pyrene	27.0	7.71	23.5	59	47 - 127
Pentachlorophenol (PCP)	67.5	ND	114	169 *	25 - 133

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 8270E

USMPDI-006SC-D-12-14-201110

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Matrix:	Sediment		
Batch:	1012490	Laboratory ID:	1012490-MSD2
Preparation:	EPA 3546	Initial/Final:	10.02 g / 5 mL

Source Sample Name: USMPDI-006SC-D-12-14-201110

COMPOUND	SPIKE ADDED (ug/kg dry)	MSD CONCENTRATION (ug/kg dry)	MSD % RECOVERY	% RPD	QC LIMITS RPD	QC LIMITS REC.
Acenaphthene	27.1	23.3	86	0.8	30	40 - 123
Acenaphthylene	27.1	23.8	88	0.6	30	32 - 132
Anthracene	27.1	25.3	93	1	30	47 - 123
Benz(a)anthracene	27.1	24.7	77	2	30	49 - 126
Benzo(a)pyrene	27.1	25.4	69	1	30	45 - 129
Benzo(b)fluoranthene	27.1	24.6	70	1	30	45 - 132
Benzo(k)fluoranthene	27.1	23.8	80	3	30	47 - 132
Benzo(g,h,i)perylene	27.1	22.5	63	2	30	43 - 134
Chrysene	27.1	23.7	72	2	30	50 - 124
Dibenz(a,h)anthracene	27.1	20.4	75	0.03	30	45 - 134
Fluoranthene	27.1	26.5	72	0.6	30	50 - 127
Fluorene	27.1	24.9	92	1	30	43 - 125
Indeno(1,2,3-cd)pyrene	27.1	21.9	64	0.8	30	45 - 133
2-Methylnaphthalene	27.1	25.1	92	2	30	38 - 122
Naphthalene	27.1	22.1	73	0.08	30	35 - 123
Phenanthrene	27.1	23.7	72	2	30	50 - 121
Pyrene	27.1	22.4	54	5	30	47 - 127
Pentachlorophenol (PCP)	67.8	121	178 *	5	30	25 - 133

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 8270E

USMPDI-1006SC-D-10-12-201110

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Matrix:	Sediment		
Batch:	1012493	Laboratory ID:	1012493-MS1
Preparation:	EPA 3546	Initial/Final:	10.2 g / 5 mL

Source Sample Name: USMPDI-1006SC-D-10-12-201110

COMPOUND	SPIKE ADDED (ug/kg dry)	SAMPLE CONCENTRATION (ug/kg dry)	MS CONCENTRATION (ug/kg dry)	MS % REC. (*=Out)	QC LIMITS REC.
Acenaphthene	26.6	ND	22.8	86	40 - 123
Acenaphthylene	26.6	ND	23.9	90	32 - 132
Anthracene	26.6	ND	24.3	92	47 - 123
Benz(a)anthracene	26.6	ND	24.7	93	49 - 126
Benzo(a)pyrene	26.6	ND	24.2	91	45 - 129
Benzo(b)fluoranthene	26.6	ND	24.8	93	45 - 132
Benzo(k)fluoranthene	26.6	ND	23.7	89	47 - 132
Benzo(g,h,i)perylene	26.6	ND	23.6	89	43 - 134
Chrysene	26.6	ND	23.5	89	50 - 124
Dibenz(a,h)anthracene	26.6	ND	20.2	76	45 - 134
Fluoranthene	26.6	ND	26.1	98	50 - 127
Fluorene	26.6	ND	24.2	91	43 - 125
Indeno(1,2,3-cd)pyrene	26.6	ND	22.1	83	45 - 133
2-Methylnaphthalene	26.6	ND	22.3	84	38 - 122
Naphthalene	26.6	ND	21.2	80	35 - 123
Phenanthrene	26.6	ND	23.1	87	50 - 121
Pyrene	26.6	ND	23.8	89	47 - 127
Pentachlorophenol (PCP)	66.4	ND	116	175 *	25 - 133

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8270E

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	0H07053	Instrument:	SV-GCMS14
Matrix:	Sediment	Calibration:	A0H1005

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	0H07053-TUN1	N08072008.D	08/07/20 15:49
Initial Cal Blank	0H07053-ICB1	N08072009.D	08/07/20 16:17
Cal Standard	0H07053-CAL1	N08072010.D	08/07/20 16:50
Cal Standard	0H07053-CAL2	N08072011.D	08/07/20 17:23
Cal Standard	0H07053-CAL3	N08072012.D	08/07/20 17:56
Cal Standard	0H07053-CAL4	N08072013.D	08/07/20 18:29
Cal Standard	0H07053-CAL5	N08072014.D	08/07/20 19:02
Cal Standard	0H07053-CAL6	N08072015.D	08/07/20 19:35
Cal Standard	0H07053-CAL7	N08072016.D	08/07/20 20:07
Cal Standard	0H07053-CAL8	N08072017.D	08/07/20 20:40
Cal Standard	0H07053-CAL9	N08072018.D	08/07/20 21:12
Cal Standard	0H07053-CALA	N08072019.D	08/07/20 21:45
Initial Cal Check	0H07053-ICV1	N08072022.D	08/07/20 23:23

Note: Client samples are listed only if they are included in this report.
Duplicates and Matrix Spike/Duplicates QC Samples are only listed if sourced from a sample included in this report.

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8270E

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	1A05060	Instrument:	SV-GCMS14
Matrix:	Sediment	Calibration:	A0H1005

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1A05060-TUN2	N01052112.D	01/05/21 19:47
Calibration Check	1A05060-CCV2	N01052114.D	01/05/21 20:45
Calibration Blank	1A05060-CCB1	N01052115.D	01/05/21 21:18
Blank	1012490-BLK1	N01052116.D	01/05/21 21:55
LCS	1012490-BS1	N01052117.D	01/05/21 22:25
USMPDI-003SC-A-01-02-201110	A0K0482-01	N01052118.D	01/05/21 22:57
USMPDI-003SC-A-01-02-201110 (D	1012490-DUP1	N01052119.D	01/05/21 23:27
Blank	1012493-BLK1	N01052120.D	01/05/21 23:58
LCS	1012493-BS1	N01052121.D	01/06/21 00:28
USMPDI-1006SC-D-10-12-201110	A0K0482-22	N01052122.D	01/06/21 00:58
USMPDI-1006SC-D-10-12-201110 (	1012493-DUP1	N01052123.D	01/06/21 01:29
USMPDI-1006SC-D-10-12-201110 (	1012493-MS1	N01052124.D	01/06/21 01:59
USMPDI-003SC-A-03-04-201110	A0K0482-03	N01052125.D	01/06/21 02:30
USMPDI-003SC-A-03-04-201110 (M	1012490-MS1	N01052126.D	01/06/21 03:00
USMPDI-003SC-A-03-04-201110 (M	1012490-MSD1	N01052127.D	01/06/21 03:31
USMPDI-006SC-D-12-14-201110	A0K0482-21	N01052128.D	01/06/21 04:01
USMPDI-006SC-D-12-14-201110 (M	1012490-MS2	N01052129.D	01/06/21 04:31
USMPDI-006SC-D-12-14-201110 (M	1012490-MSD2	N01052130.D	01/06/21 05:02
USMPDI-006SC-D-10-12-201110	A0K0482-20	N01052131.D	01/06/21 05:32
USMPDI-003SC-B-02-04-201110	A0K0482-08	N01052132.D	01/06/21 06:02
USMPDI-003SC-B-04-06-201110	A0K0482-09	N01052133.D	01/06/21 06:33
USMPDI-003SC-B-06-08-201110	A0K0482-10	N01052134.D	01/06/21 07:05
USMPDI-003SC-B-00-02-201110	A0K0482-07	N01052135.D	01/06/21 07:37

Note: Client samples are listed only if they are included in this report.
Duplicates and Matrix Spike/Duplicates QC Samples are only listed if sourced from a sample included in this report.

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8270E

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	1A06048	Instrument:	SV-GCMS14
Matrix:	Sediment	Calibration:	A0H1005

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1A06048-TUN2	N01062107.D	01/06/21 11:39
Calibration Check	1A06048-CCV1	N01062109.D	01/06/21 12:38
Calibration Blank	1A06048-CCB1	N01062110.D	01/06/21 13:11
USMPDI-006SC-D-00-02-201110	A0K0482-15	N01062111.D	01/06/21 13:43
USMPDI-006SC-D-02-04-201110	A0K0482-16	N01062112.D	01/06/21 14:15
USMPDI-006SC-D-04-06-201110	A0K0482-17	N01062113.D	01/06/21 14:48
USMPDI-006SC-D-06-08-201110	A0K0482-18	N01062114.D	01/06/21 15:20
USMPDI-006SC-D-08-10-201110	A0K0482-19	N01062115.D	01/06/21 15:52
USMPDI-003SC-A-02-03-201110	A0K0482-02	N01062116.D	01/06/21 16:25
USMPDI-003SC-A-04-05-201110	A0K0482-04	N01062117.D	01/06/21 16:57
USMPDI-1003SC-A-01-02-201110	A0K0482-05	N01062118.D	01/06/21 17:29
USMPDI-006SC-A-01-02-201110	A0K0482-11	N01062119.D	01/06/21 18:01
USMPDI-006SC-A-02-03-201110	A0K0482-12	N01062120.D	01/06/21 18:33
USMPDI-006SC-A-03-04-201110	A0K0482-13	N01062121.D	01/06/21 19:06
USMPDI-006SC-A-04-05-201110	A0K0482-14	N01062122.D	01/06/21 19:38
USMPDI-006SC-A-04-05-201110	A0K0482-14RE1	N01062124.D	01/06/21 21:01

Note: Client samples are listed only if they are included in this report.
Duplicates and Matrix Spike/Duplicates QC Samples are only listed if sourced from a sample included in this report.

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA 8270E

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Lab File ID:	N08072008.D	Injection Date:	08/07/20
Instrument ID:	SV-GCMS14	Injection Time:	15:49
Sequence:	0H07053	Lab Sample ID:	0H07053-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
m/z 68	Less than 2% of m/z 69	1.94	PASS
m/z 69	Base peak, 100% relative abundance	100.00	PASS
m/z 70	Less than 2% of m/z 69	0.48	PASS
m/z 197	Less than 2% of m/z 198	0.00	PASS
m/z 198	Base peak, 100% relative abundance	100.00	PASS
m/z 199	5 - 9% of m/z 198	6.87	PASS
m/z 365	1 - 100% of m/z 198	4.48	PASS
m/z 441	Less than 150% of m/z 443	77.10	PASS
m/z 442	0.1 - 200% of m/z 198	160.18	PASS
m/z 443	15 - 24% of m/z 442	19.73	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA 8270E

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Lab File ID:	N01052112.D	Injection Date:	01/05/21
Instrument ID:	SV-GCMS14	Injection Time:	19:47
Sequence:	1A05060	Lab Sample ID:	1A05060-TUN2

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
m/z 68	Less than 2% of m/z 69	1.90	PASS
m/z 69	Base peak, 100% relative abundance	100.00	PASS
m/z 70	Less than 2% of m/z 69	0.49	PASS
m/z 197	Less than 2% of m/z 198	0.00	PASS
m/z 198	Base peak, 100% relative abundance	100.00	PASS
m/z 199	5 - 9% of m/z 198	6.70	PASS
m/z 365	1 - 100% of m/z 198	4.86	PASS
m/z 441	Less than 150% of m/z 443	78.79	PASS
m/z 442	0.1 - 200% of m/z 198	188.24	PASS
m/z 443	15 - 24% of m/z 442	19.29	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA 8270E

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Lab File ID:	N01062107.D	Injection Date:	01/06/21
Instrument ID:	SV-GCMS14	Injection Time:	11:39
Sequence:	1A06048	Lab Sample ID:	1A06048-TUN2

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
m/z 68	Less than 2% of m/z 69	2.01	FAIL
m/z 69	Base peak, 100% relative abundance	100.00	PASS
m/z 70	Less than 2% of m/z 69	0.55	PASS
m/z 197	Less than 2% of m/z 198	0.00	PASS
m/z 198	Base peak, 100% relative abundance	100.00	PASS
m/z 199	5 - 9% of m/z 198	6.75	PASS
m/z 365	1 - 100% of m/z 198	4.61	PASS
m/z 441	Less than 150% of m/z 443	77.43	PASS
m/z 442	0.1 - 200% of m/z 198	176.61	PASS
m/z 443	15 - 24% of m/z 442	19.65	PASS

INITIAL CALIBRATION DATA (Summary)

EPA 8270E

Laboratory: Apex Laboratories SDG: A0K0482

Client: Anchor QEA, LLC Project: US Moorings -- C2, C3, C4

Calibration: A0H1005 Date: 08/10/20 14:04 Instrument: SV-GCMS14

Compound	Mean RF	FIT	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Acenaphthene	1.224777	Ave	3.28774	9.521667	1.529013E-02			20	
Acenaphthylene	1.676085	Ave	6.64947	9.346666	1.797138E-02			20	
Anthracene	0.8864905	Ave	6.420735	11.072	7.521604E-03			20	
Benz(a)anthracene	0.9997107	Ave	8.090332	14.612	3.897712E-02			20	
Benzo(a)pyrene	0.7351622	Ave	8.286794	17.94644	5.617144E-02			20	
Benzo(b)fluoranthene	1.013983	Ave	4.444269	17.17922	5.423954E-02			20	
Benzo(k)fluoranthene	0.9566106	Ave	6.313553	17.24389	6.995392E-02			20	
Benzo(g,h,i)perylene	1.094263	Ave	7.72528	21.01056	6.176028E-02			20	
Chrysene	1.032987	Ave	2.369351	14.69089	5.186376E-02			20	
Dibenz(a,h)anthracene	1.058201	Ave	3.82909	20.53556	4.836268E-02			20	
Fluoranthene	1.122704	Ave	6.327389	12.26044	1.770666E-02			20	
Fluorene	1.246869	Ave	6.297717	10.04578	1.694453E-02			20	
Indeno(1,2,3-cd)pyrene	1.07625	Ave	3.581026	20.47555	0.0624759			20	
2-Methylnaphthalene	0.7456587	Ave	5.017066	8.443	1.801969E-02			20	
Naphthalene	1.031219	Ave	6.62107	7.761	8.103876E-03			20	
Phenanthrene	1.082295	Ave	5.452007	11.01967	2.384211E-02			20	
Pyrene	1.338996	Ave	10.87983	12.53633	3.221527E-02			20	
Pentachlorophenol (PCP)	4.983867E-02	XXX	68.8613	10.818	2.951343E-02				
2-Fluorobiphenyl (Surr)	1.42981	Ave	3.043226	8.804667	0.021133			20	
p-Terphenyl-d14 (Surr)	0.9614652	Ave	4.151337	12.73078	3.086798E-02			20	
2,4,6-Tribromophenol (Surr)	0.1163112	XXX	18.22192	10.29429	3.019221E-02				

Note: ** Quad COD may be incorrect if weighting (1/a) or (1/a2) used. Weighting not shown here. Please see instrument calibration printouts for validation.

INITIAL CALIBRATION DATA

EPA 8270E

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Calibration: A0H1005
Instrument: SV-GCMS14
Calibration Date: 08/10/20 14:04

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
Acenaphthene	1	1.266588	2	1.259815	5	1.265777	10	1.192073	20	1.235865	50	1.231708
Acenaphthylene	1	1.473633	2	1.566064	5	1.592098	10	1.684731	20	1.685739	50	1.756836
Anthracene	1	0.8682272	2	0.8626834	5	0.8328087	10	0.7750112	20	0.9046703	50	0.9389991
Benz(a)anthracene	1	1.184899	2	1.074494	5	0.9605319	10	0.9221166	20	0.9631404	50	0.963527
Benzo(a)pyrene	1	0.7540831	2	0.6814332	5	0.6490017	10	0.6616363	20	0.7174292	50	0.7561626
Benzo(b)fluoranthene	1	1.008465	2	1.004204	5	0.9228586	10	0.9823829	20	1.012913	50	1.015306
Benzo(k)fluoranthene	1	0.9262896	2	0.85418	5	0.9182004	10	0.919192	20	0.9394501	50	0.9839213
Benzo(g,h,i)perylene	1	1.002955	2	1.024852	5	1.002527	10	1.045448	20	1.075362	50	1.105886
Chrysene	1	1.049666	2	1.051325	5	1.062643	10	1.01291	20	1.045981	50	1.034519
Dibenz(a,h)anthracene	1	1.062196	2	1.058074	5	1.012511	10	1.009203	20	1.045319	50	1.024115
Fluoranthene	1	1.056056	2	1.074463	5	1.057517	10	1.022427	20	1.136697	50	1.169593
Fluorene	1	1.207642	2	1.215405	5	1.185375	10	1.104056	20	1.246986	50	1.30179
Indeno(1,2,3-cd)pyrene	1	1.056685	2	1.049768	5	1.042339	10	1.056869	20	1.057141	50	1.051176
1-Methylnaphthalene	1	0.7088105	2	0.7198507	5	0.7441939	10	0.7430097	20	0.7567288	50	0.7691963
2-Methylnaphthalene	1	0.674944	2	0.7345506	5	0.735525	10	0.7034539	20	0.7538713	50	0.7799008
Naphthalene	1	1.192481	2	1.065522	5	1.023012	10	1.030426	20	1.027633	50	1.001125
Phenanthrene	1	1.194887	2	1.147992	5	1.072126	10	1.061079	20	1.080868	50	1.07704
Pyrene	1	1.284177	2	1.2849	5	1.313924	10	1.6735	20	1.366347	50	1.310469
Carbazole	1	0.5952944	2	0.5751223	5	0.6089076	10	0.5022022	20	0.7240911	50	0.7596221
Dibenzofuran	1	1.495001	2	1.486482	5	1.487576	10	1.397071	20	1.543034	50	1.598791
Pentachlorophenol (PCP)	1	~~0.1504354~~	2	~~5.079427E-02~~	5	~~1.832211E-02~~	10	8.449438E-03	20	2.146585E-02	50	4.206706E-02
2-Fluorobiphenyl (Surr)	1	1.376373	2	1.392688	5	1.424779	10	1.394323	20	1.45977	50	1.49245
p-Terphenyl-d14 (Surr)	1	0.9477046	2	0.8995485	5	0.9648729	10	1.002554	20	1.009059	50	0.9827495
2,4,6-Tribromophenol (Surr)	1	~~0~~	2	~~0.1093715~~	5	0.1068655	10	7.766292E-02	20	0.1079502	50	0.1204925

INITIAL CALIBRATION DATA (Continued)

EPA 8270E

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Calibration: A0H1005
Instrument: SV-GCMS14
Matrix:
Calibration Date: 08/10/20 14:04

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF	ng/mL	RF
Acenaphthene	100	1.219383	200	1.209551	400	~~1.232999~~	600	1.142233				
Acenaphthylene	100	1.792244	200	1.80289	400	~~1.876483~~	600	1.730527				
Anthracene	100	0.9382494	200	0.9420696	400	~~0.7901208~~	600	0.9156957				
Benz(a)anthracene	100	0.9611599	200	0.9726267	400	~~1.048637~~	600	0.9949005				
Benzo(a)pyrene	100	0.7782665	200	0.805154	400	~~0.779903~~	600	0.8132936				
Benzo(b)fluoranthene	100	1.048428	200	1.053598	400	~~1.236261~~	600	1.077695				
Benzo(k)fluoranthene	100	1.002326	200	1.040167	400	~~1.122845~~	600	1.025769				
Benzo(g,h,i)perylene	100	1.171739	200	1.213194	400	~~1.249126~~	600	1.206407				
Chrysene	100	1.039442	200	1.016506	400	~~1.177632~~	600	0.983888				
Dibenz(a,h)anthracene	100	1.110137	200	1.122575	400	~~1.227273~~	600	1.079675				
Fluoranthene	100	1.203197	200	1.211771	400	~~0.7562554~~	600	1.172611				
Fluorene	100	1.348499	200	1.339774	400	~~0.6662483~~	600	1.272294				
Indeno(1,2,3-cd)pyrene	100	1.095671	200	1.128245	400	~~1.095863~~	600	1.148353				
1-Methylnaphthalene	100	0.7690295	200	0.7635127	400	~~0.5641224~~	600	0.7411247				
2-Methylnaphthalene	100	0.7823918	200	0.7797779	400	~~0.5409846~~	600	0.7665129				
Naphthalene	100	1.004707	200	0.982835	400	~~1.031776~~	600	0.9532298				
Phenanthrene	100	1.069398	200	1.050309	400	~~1.062338~~	600	0.9869592				
Pyrene	100	1.405048	200	1.277676	400	~~1.615837~~	600	1.134926				
Carbazole	100	0.7145441	200	0.7306888	400	~~0.4921268~~	600	0.7203112				
Dibenzofuran	100	1.622159	200	1.641018	400	~~1.146223~~	600	1.587827				
Pentachlorophenol (PCP)	100	5.225572E-02	200	7.184733E-02	400	~~0~~	600	0.1029466				
2-Fluorobiphenyl (Surr)	100	1.471634	200	1.467201	400	~~1.885155~~	600	1.389068				
p-Terphenyl-d14 (Surr)	100	0.9901441	200	0.9535586	400	~~1.311325~~	600	0.9029958				
2,4,6-Tribromophenol (Surr)	100	0.1277699	200	0.131214	400	~~7.560397E-02~~	600	0.1422236				

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8270E

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Instrument ID:	SV-GCMS14	Calibration:	A0H1005
Lab File ID:	N08072022.D		
Sequence:	0H07053	Inject Date:	08/07/20
Lab Sample ID:	0H07053-ICV1	Inject Time:	23:23

ANALYTE	EXPECTED (ng/mL)	FOUND (ng/mL)	% DRIFT	QC LIMIT
Acenaphthene	50.0	49.6	-0.8	70 - 130
Acenaphthylene	50.0	52.1	4.2	70 - 130
Anthracene	50.0	52.8	5.7	70 - 130
Benz(a)anthracene	50.0	46.0	-8.0	70 - 130
Benzo(a)pyrene	50.0	56.6	13.2	70 - 130
Benzo(b)fluoranthene	50.0	49.2	-1.6	70 - 130
Benzo(k)fluoranthene	50.0	50.6	1.2	70 - 130
Benzo(g,h,i)perylene	50.0	51.2	2.4	70 - 130
Chrysene	50.0	48.9	-2.3	70 - 130
Dibenz(a,h)anthracene	50.0	49.2	-1.7	70 - 130
Fluoranthene	50.0	53.0	6.0	70 - 130
Fluorene	50.0	50.7	1.4	70 - 130
Indeno(1,2,3-cd)pyrene	50.0	46.6	-6.9	70 - 130
2-Methylnaphthalene	50.0	50.7	1.4	70 - 130
Naphthalene	50.0	48.3	-3.4	70 - 130
Phenanthrene	50.0	49.2	-1.6	70 - 130
Pyrene	50.0	51.2	2.3	70 - 130
Pentachlorophenol (PCP)	50.0	42.0	-15.9	70 - 130
2-Fluorobiphenyl (Surr)	50.0	50.2	0.5	70 - 130
p-Terphenyl-d14 (Surr)	50.0	50.3	0.6	70 - 130
2,4,6-Tribromophenol (Surr)	50.0	45.8	-8.5	70 - 130

CONTINUING CALIBRATION CHECK

EPA 8270E

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Instrument ID:	SV-GCMS14	Calibration:	A0H1005
Lab File ID:	N01052114.D	Calibration Date:	08/10/20 14:04
Sequence:	1A05060	Injection Date:	01/05/21
Lab Sample ID:	1A05060-CCV2	Injection Time:	20:45

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
Acenaphthene	Ave	100	98.8		1.224777	1.209975	-1.2	20
Acenaphthylene	Ave	100	107		1.676085	1.786934	6.6	20
Anthracene	Ave	100	107		0.8864905	0.9443395	6.5	20
Benz(a)anthracene	Ave	100	102		0.9997107	1.020695	2.1	20
Benzo(a)pyrene	Ave	100	106		0.7351622	0.7802278	6.1	20
Benzo(b)fluoranthene	Ave	100	100		1.013983	1.017263	0.3	20
Benzo(k)fluoranthene	Ave	100	103		0.9566106	0.9858464	3.1	20
Benzo(g,h,i)perylene	Ave	100	96.3		1.094263	1.053903	-3.7	20
Chrysene	Ave	100	102		1.032987	1.048726	1.5	20
Dibenz(a,h)anthracene	Ave	100	90.5		1.058201	0.9574278	-9.5	20
Fluoranthene	Ave	100	104		1.122704	1.166864	3.9	20
Fluorene	Ave	100	103		1.246869	1.28447	3.0	20
Indeno(1,2,3-cd)pyrene	Ave	100	93.4		1.07625	1.004805	-6.6	20
2-Methylnaphthalene	Ave	100	110		0.7456587	0.8196557	9.9	20
Naphthalene	Ave	100	94.3		1.031219	0.9720594	-5.7	20
Phenanthrene	Ave	100	95.6		1.082295	1.034159	-4.4	20
Pyrene	Ave	100	96.3		1.338996	1.289125	-3.7	20
Pentachlorophenol (PCP)	XXX	100	101	0.8				20

** Quadratic Curve fit may be weighted (1/a or 1/a2).

* = Values outside of QC limits

CONTINUING CALIBRATION CHECK

EPA 8270E

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Instrument ID:	SV-GCMS14	Calibration:	A0H1005
Lab File ID:	N01062109.D	Calibration Date:	08/10/20 14:04
Sequence:	1A06048	Injection Date:	01/06/21
Lab Sample ID:	1A06048-CCV1	Injection Time:	12:38

COMPOUND	Curve Fit	Calculated Concentration (ng/mL) [L/Q Fits]			Response Factors [Ave RF]			Limit
		STD	CCV	% DIFF	ICAL	CCV	% Drift	
Acenaphthene	Ave	100	100		1.224777	1.225278	0.04	20
Acenaphthylene	Ave	100	105		1.676085	1.763224	5.2	20
Anthracene	Ave	100	108		0.8864905	0.9548362	7.7	20
Benz(a)anthracene	Ave	100	104		0.9997107	1.035096	3.5	20
Benzo(a)pyrene	Ave	100	110		0.7351622	0.8121877	10.5	20
Benzo(b)fluoranthene	Ave	100	102		1.013983	1.038883	2.5	20
Benzo(k)fluoranthene	Ave	100	106		0.9566106	1.013795	6.0	20
Benzo(g,h,i)perylene	Ave	100	92.6		1.094263	1.01324	-7.4	20
Chrysene	Ave	100	100		1.032987	1.035227	0.2	20
Dibenz(a,h)anthracene	Ave	100	91.2		1.058201	0.9656102	-8.7	20
Fluoranthene	Ave	100	104		1.122704	1.170047	4.2	20
Fluorene	Ave	100	103		1.246869	1.289271	3.4	20
Indeno(1,2,3-cd)pyrene	Ave	100	93.5		1.07625	1.006433	-6.5	20
2-Methylnaphthalene	Ave	100	103		0.7456587	0.7701196	3.3	20
Naphthalene	Ave	100	94.3		1.031219	0.9720359	-5.7	20
Phenanthrene	Ave	100	96.0		1.082295	1.038698	-4.0	20
Pyrene	Ave	100	93.6		1.338996	1.253961	-6.4	20
Pentachlorophenol (PCP)	XXX	100	98.8	-1.2				20

** Quadratic Curve fit may be weighted (1/a or 1/a2). * = Values outside of QC limits

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8270E

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	0H07053	Instrument:	SV-GCMS14
Matrix:	Sediment	Calibration:	A0H1005

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Initial Cal Check (0H07053-ICV1)				Lab File ID: N08072022.D		Analyzed: 08/07/20 23:23		
2-Fluorobiphenyl (Surr)	50.0	100	70 - 130	8.804	8.804667	-0.0007	+/-1.0	
p-Terphenyl-d14 (Surr)	50.0	101	70 - 130	12.733	12.73078	0.0022	+/-1.0	
2,4,6-Tribromophenol (Surr)	50.0	92	70 - 130	10.291	10.29429	-0.0033	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8270E

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	1A05060	Instrument:	SV-GCMS14
Matrix:	Sediment	Calibration:	A0H1005

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (1A05060-CCV2)			Lab File ID: N01052114.D		Analyzed: 01/05/21 20:45			
2-Fluorobiphenyl (Surr)	100	102	80 - 120	8.157	8.804667	-0.6477	+/-1.0	
p-Terphenyl-d14 (Surr)	100	104	80 - 120	11.934	12.73078	-0.7968	+/-1.0	
2,4,6-Tribromophenol (Surr)	100	109	80 - 120	9.62	10.29429	-0.6743	+/-1.0	
Calibration Blank (1A05060-CCB1)			Lab File ID: N01052115.D		Analyzed: 01/05/21 21:18			
2-Fluorobiphenyl (Surr)			44 - 120	8.157	8.804667	-0.6477	+/-1.0	
p-Terphenyl-d14 (Surr)			54 - 127	11.934	12.73078	-0.7968	+/-1.0	
2,4,6-Tribromophenol (Surr)			39 - 132	0	10.29429	-10.2943	+/-1.0	
Blank (1012490-BLK1)			Lab File ID: N01052116.D		Analyzed: 01/05/21 21:55			
2-Fluorobiphenyl (Surr)	45.5	86	44 - 120	8.157	8.804667	-0.6477	+/-1.0	
p-Terphenyl-d14 (Surr)	45.5	94	54 - 127	11.94	12.73078	-0.7908	+/-1.0	
2,4,6-Tribromophenol (Surr)	45.5	101	39 - 132	9.62	10.29429	-0.6743	+/-1.0	
LCS (1012490-BS1)			Lab File ID: N01052117.D		Analyzed: 01/05/21 22:25			
2-Fluorobiphenyl (Surr)	50.0	70	44 - 120	8.157	8.804667	-0.6477	+/-1.0	
p-Terphenyl-d14 (Surr)	50.0	88	54 - 127	11.94	12.73078	-0.7908	+/-1.0	
2,4,6-Tribromophenol (Surr)	50.0	103	39 - 132	9.62	10.29429	-0.6743	+/-1.0	
USMPDI-003SC-A-01-02-201110 (A0K0482-01)			Lab File ID: N01052118.D		Analyzed: 01/05/21 22:57			
2-Fluorobiphenyl (Surr)	69.8	84	44 - 120	8.157	8.804667	-0.6477	+/-1.0	
p-Terphenyl-d14 (Surr)	69.8	89	54 - 127	11.94	12.73078	-0.7908	+/-1.0	
Duplicate (1012490-DUP1)			Lab File ID: N01052119.D		Analyzed: 01/05/21 23:27			
2-Fluorobiphenyl (Surr)	70.5	82	44 - 120	8.157	8.804667	-0.6477	+/-1.0	
p-Terphenyl-d14 (Surr)	70.5	85	54 - 127	11.94	12.73078	-0.7908	+/-1.0	
2,4,6-Tribromophenol (Surr)	70.5	126	39 - 132	9.62	10.29429	-0.6743	+/-1.0	
Blank (1012493-BLK1)			Lab File ID: N01052120.D		Analyzed: 01/05/21 23:58			
2-Fluorobiphenyl (Surr)	45.5	81	44 - 120	8.157	8.804667	-0.6477	+/-1.0	
p-Terphenyl-d14 (Surr)	45.5	91	54 - 127	11.94	12.73078	-0.7908	+/-1.0	
2,4,6-Tribromophenol (Surr)	45.5	111	39 - 132	9.62	10.29429	-0.6743	+/-1.0	
LCS (1012493-BS1)			Lab File ID: N01052121.D		Analyzed: 01/06/21 00:28			
2-Fluorobiphenyl (Surr)	50.0	88	44 - 120	8.157	8.804667	-0.6477	+/-1.0	
p-Terphenyl-d14 (Surr)	50.0	90	54 - 127	11.94	12.73078	-0.7908	+/-1.0	
2,4,6-Tribromophenol (Surr)	50.0	121	39 - 132	9.62	10.29429	-0.6743	+/-1.0	
USMPDI-1006SC-D-10-12-201110 (A0K0482-22)			Lab File ID: N01052122.D		Analyzed: 01/06/21 00:58			
2-Fluorobiphenyl (Surr)	65.4	75	44 - 120	8.157	8.804667	-0.6477	+/-1.0	
p-Terphenyl-d14 (Surr)	65.4	80	54 - 127	11.94	12.73078	-0.7908	+/-1.0	
2,4,6-Tribromophenol (Surr)	65.4	130	39 - 132	9.62	10.29429	-0.6743	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8270E

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	1A05060	Instrument:	SV-GCMS14
Matrix:	Sediment	Calibration:	A0H1005

Surrogate Compound	Spike Level ug/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Duplicate (1012493-DUP1)			Lab File ID: N01052123.D		Analyzed: 01/06/21 01:29			
2-Fluorobiphenyl (Surr)	66.1	68	44 - 120	8.157	8.804667	-0.6477	+/-1.0	
p-Terphenyl-d14 (Surr)	66.1	75	54 - 127	11.94	12.73078	-0.7908	+/-1.0	
2,4,6-Tribromophenol (Surr)	66.1	110	39 - 132	9.62	10.29429	-0.6743	+/-1.0	
Matrix Spike (1012493-MS1)			Lab File ID: N01052124.D		Analyzed: 01/06/21 01:59			
2-Fluorobiphenyl (Surr)	66.4	81	44 - 120	8.157	8.804667	-0.6477	+/-1.0	
p-Terphenyl-d14 (Surr)	66.4	89	54 - 127	11.94	12.73078	-0.7908	+/-1.0	
2,4,6-Tribromophenol (Surr)	66.4	123	39 - 132	9.62	10.29429	-0.6743	+/-1.0	
USMPDI-003SC-A-03-04-201110 (A0K0482-03)			Lab File ID: N01052125.D		Analyzed: 01/06/21 02:30			
2-Fluorobiphenyl (Surr)	58.0	68	44 - 120	8.157	8.804667	-0.6477	+/-1.0	
p-Terphenyl-d14 (Surr)	58.0	81	54 - 127	11.94	12.73078	-0.7908	+/-1.0	
Matrix Spike (1012490-MS1)			Lab File ID: N01052126.D		Analyzed: 01/06/21 03:00			
2-Fluorobiphenyl (Surr)	57.8	76	44 - 120	8.157	8.804667	-0.6477	+/-1.0	
p-Terphenyl-d14 (Surr)	57.8	85	54 - 127	11.94	12.73078	-0.7908	+/-1.0	
2,4,6-Tribromophenol (Surr)	57.8	119	39 - 132	9.62	10.29429	-0.6743	+/-1.0	
Matrix Spike Dup (1012490-MSD1)			Lab File ID: N01052127.D		Analyzed: 01/06/21 03:31			
2-Fluorobiphenyl (Surr)	58.1	78	44 - 120	8.157	8.804667	-0.6477	+/-1.0	
p-Terphenyl-d14 (Surr)	58.1	90	54 - 127	11.94	12.73078	-0.7908	+/-1.0	
2,4,6-Tribromophenol (Surr)	58.1	120	39 - 132	9.62	10.29429	-0.6743	+/-1.0	
USMPDI-006SC-D-12-14-201110 (A0K0482-21)			Lab File ID: N01052128.D		Analyzed: 01/06/21 04:01			
2-Fluorobiphenyl (Surr)	67.9	80	44 - 120	8.157	8.804667	-0.6477	+/-1.0	
p-Terphenyl-d14 (Surr)	67.9	82	54 - 127	11.94	12.73078	-0.7908	+/-1.0	
2,4,6-Tribromophenol (Surr)	67.9	124	39 - 132	9.62	10.29429	-0.6743	+/-1.0	
Matrix Spike (1012490-MS2)			Lab File ID: N01052129.D		Analyzed: 01/06/21 04:31			
2-Fluorobiphenyl (Surr)	67.5	83	44 - 120	8.157	8.804667	-0.6477	+/-1.0	
p-Terphenyl-d14 (Surr)	67.5	86	54 - 127	11.94	12.73078	-0.7908	+/-1.0	
2,4,6-Tribromophenol (Surr)	67.5	129	39 - 132	9.62	10.29429	-0.6743	+/-1.0	
Matrix Spike Dup (1012490-MSD2)			Lab File ID: N01052130.D		Analyzed: 01/06/21 05:02			
2-Fluorobiphenyl (Surr)	67.8	79	44 - 120	8.157	8.804667	-0.6477	+/-1.0	
p-Terphenyl-d14 (Surr)	67.8	82	54 - 127	11.94	12.73078	-0.7908	+/-1.0	
2,4,6-Tribromophenol (Surr)	67.8	127	39 - 132	9.62	10.29429	-0.6743	+/-1.0	
USMPDI-006SC-D-10-12-201110 (A0K0482-20)			Lab File ID: N01052131.D		Analyzed: 01/06/21 05:32			
2-Fluorobiphenyl (Surr)	67.0	75	44 - 120	8.157	8.804667	-0.6477	+/-1.0	
p-Terphenyl-d14 (Surr)	67.0	81	54 - 127	11.94	12.73078	-0.7908	+/-1.0	
2,4,6-Tribromophenol (Surr)	67.0	114	39 - 132	9.62	10.29429	-0.6743	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8270E

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	1A05060	Instrument:	SV-GCMS14
Matrix:	Sediment	Calibration:	A0H1005

Surrogate Compound	Spike Level ug/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
USMPDI-003SC-B-02-04-201110 (A0K0482-08)			Lab File ID: N01052132.D		Analyzed: 01/06/21 06:02			
2,4,6-Tribromophenol (Surr)	61.3	103	39 - 132	9.62	10.29429	-0.6743	+/-1.0	
USMPDI-003SC-B-04-06-201110 (A0K0482-09)			Lab File ID: N01052133.D		Analyzed: 01/06/21 06:33			
2,4,6-Tribromophenol (Surr)	60.8	119	39 - 132	9.62	10.29429	-0.6743	+/-1.0	
USMPDI-003SC-B-06-08-201110 (A0K0482-10)			Lab File ID: N01052134.D		Analyzed: 01/06/21 07:05			
2-Fluorobiphenyl (Surr)	59.7	78	44 - 120	8.157	8.804667	-0.6477	+/-1.0	
p-Terphenyl-d14 (Surr)	59.7	83	54 - 127	11.94	12.73078	-0.7908	+/-1.0	
2,4,6-Tribromophenol (Surr)	59.7	115	39 - 132	9.626	10.29429	-0.6683	+/-1.0	
USMPDI-003SC-B-00-02-201110 (A0K0482-07)			Lab File ID: N01052135.D		Analyzed: 01/06/21 07:37			
2,4,6-Tribromophenol (Surr)	47.8	126	39 - 132	9.626	10.29429	-0.6683	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8270E

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	1A06048	Instrument:	SV-GCMS14
Matrix:	Sediment	Calibration:	A0H1005

Surrogate Compound	Spike Level ng/mL	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Calibration Check (1A06048-CCV1)			Lab File ID: N01062109.D		Analyzed: 01/06/21 12:38			
2-Fluorobiphenyl (Surr)	100	104	80 - 120	8.157	8.804667	-0.6477	+/-1.0	
p-Terphenyl-d14 (Surr)	100	103	80 - 120	11.94	12.73078	-0.7908	+/-1.0	
2,4,6-Tribromophenol (Surr)	100	123	80 - 120	9.626	10.29429	-0.6683	+/-1.0	*
Calibration Blank (1A06048-CCB1)			Lab File ID: N01062110.D		Analyzed: 01/06/21 13:11			
2-Fluorobiphenyl (Surr)			44 - 120	0	8.804667	-8.8047	+/-1.0	
p-Terphenyl-d14 (Surr)			54 - 127	11.94	12.73078	-0.7908	+/-1.0	
2,4,6-Tribromophenol (Surr)			39 - 132	9.41	10.29429	-0.8843	+/-1.0	
USMPDI-006SC-D-00-02-201110 (A0K0482-15)			Lab File ID: N01062111.D		Analyzed: 01/06/21 13:43			
2,4,6-Tribromophenol (Surr)	82.6	123	39 - 132	9.626	10.29429	-0.6683	+/-1.0	
USMPDI-006SC-D-02-04-201110 (A0K0482-16)			Lab File ID: N01062112.D		Analyzed: 01/06/21 14:15			
2,4,6-Tribromophenol (Surr)	61.7	142	39 - 132	9.626	10.29429	-0.6683	+/-1.0	*
USMPDI-006SC-D-04-06-201110 (A0K0482-17)			Lab File ID: N01062113.D		Analyzed: 01/06/21 14:48			
2,4,6-Tribromophenol (Surr)	59.8	145	39 - 132	9.626	10.29429	-0.6683	+/-1.0	*
USMPDI-006SC-D-06-08-201110 (A0K0482-18)			Lab File ID: N01062114.D		Analyzed: 01/06/21 15:20			
2-Fluorobiphenyl (Surr)	60.7	68	44 - 120	8.157	8.804667	-0.6477	+/-1.0	
p-Terphenyl-d14 (Surr)	60.7	96	54 - 127	11.946	12.73078	-0.7848	+/-1.0	
2,4,6-Tribromophenol (Surr)	60.7	128	39 - 132	9.626	10.29429	-0.6683	+/-1.0	
USMPDI-006SC-D-08-10-201110 (A0K0482-19)			Lab File ID: N01062115.D		Analyzed: 01/06/21 15:52			
2-Fluorobiphenyl (Surr)	64.3	89	44 - 120	8.157	8.804667	-0.6477	+/-1.0	
p-Terphenyl-d14 (Surr)	64.3	95	54 - 127	11.946	12.73078	-0.7848	+/-1.0	
2,4,6-Tribromophenol (Surr)	64.3	140	39 - 132	9.626	10.29429	-0.6683	+/-1.0	*
USMPDI-003SC-A-02-03-201110 (A0K0482-02)			Lab File ID: N01062116.D		Analyzed: 01/06/21 16:25			
2-Fluorobiphenyl (Surr)	62.7	84	44 - 120	8.157	8.804667	-0.6477	+/-1.0	
p-Terphenyl-d14 (Surr)	62.7	101	54 - 127	11.94	12.73078	-0.7908	+/-1.0	
USMPDI-003SC-A-04-05-201110 (A0K0482-04)			Lab File ID: N01062117.D		Analyzed: 01/06/21 16:57			
2-Fluorobiphenyl (Surr)	62.4	69	44 - 120	8.157	8.804667	-0.6477	+/-1.0	
p-Terphenyl-d14 (Surr)	62.4	90	54 - 127	11.946	12.73078	-0.7848	+/-1.0	
USMPDI-1003SC-A-01-02-201110 (A0K0482-05)			Lab File ID: N01062118.D		Analyzed: 01/06/21 17:29			
2-Fluorobiphenyl (Surr)	71.7	77	44 - 120	8.157	8.804667	-0.6477	+/-1.0	
p-Terphenyl-d14 (Surr)	71.7	93	54 - 127	11.946	12.73078	-0.7848	+/-1.0	
USMPDI-006SC-A-01-02-201110 (A0K0482-11)			Lab File ID: N01062119.D		Analyzed: 01/06/21 18:01			
2-Fluorobiphenyl (Surr)	77.5	70	44 - 120	8.157	8.804667	-0.6477	+/-1.0	
p-Terphenyl-d14 (Surr)	77.5	110	54 - 127	11.94	12.73078	-0.7908	+/-1.0	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

EPA 8270E

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	1A06048	Instrument:	SV-GCMS14
Matrix:	Sediment	Calibration:	A0H1005

Surrogate Compound	Spike Level ug/kg dry	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
USMPDI-006SC-A-02-03-201110 (A0K0482-12)			Lab File ID: N01062120.D		Analyzed: 01/06/21 18:33			
2-Fluorobiphenyl (Surr)	71.2	85	44 - 120	8.157	8.804667	-0.6477	+/-1.0	
p-Terphenyl-d14 (Surr)	71.2	89	54 - 127	11.946	12.73078	-0.7848	+/-1.0	
USMPDI-006SC-A-03-04-201110 (A0K0482-13)			Lab File ID: N01062121.D		Analyzed: 01/06/21 19:06			
2-Fluorobiphenyl (Surr)	58.7	85	44 - 120	8.157	8.804667	-0.6477	+/-1.0	
p-Terphenyl-d14 (Surr)	58.7	101	54 - 127	11.946	12.73078	-0.7848	+/-1.0	
USMPDI-006SC-A-04-05-201110 (A0K0482-14)			Lab File ID: N01062122.D		Analyzed: 01/06/21 19:38			
2-Fluorobiphenyl (Surr)	57.2	82	44 - 120	8.157	8.804667	-0.6477	+/-1.0	
p-Terphenyl-d14 (Surr)	57.2	88	54 - 127	11.946	12.73078	-0.7848	+/-1.0	
USMPDI-006SC-A-04-05-201110 (A0K0482-14RE1)			Lab File ID: N01062124.D		Analyzed: 01/06/21 21:01			
2-Fluorobiphenyl (Surr)	57.2	86	44 - 120	8.157	8.804667	-0.6477	+/-1.0	
p-Terphenyl-d14 (Surr)	57.2	90	54 - 127	11.94	12.73078	-0.7908	+/-1.0	

INTERNAL STANDARD AREA AND RT SUMMARY
EPA 8270E

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	1A05060	Instrument:	SV-GCMS14
Matrix:	Sediment	Calibration:	A0H1005

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (1A05060-CCV2)			Lab File ID: N01052114.D			Analyzed: 01/05/21 20:45			
Naphthalene-d8 (ISTD)	183926	7.085	239628	7.737	77	50 - 200	-0.6520	+/-0.50	*
Acenaphthene-d10 (ISTD)	131687	8.821	160491	9.492	82	50 - 200	-0.6710	+/-0.50	*
Phenanthrene-d10 (ISTD)	247141	10.314	310167	10.996	80	50 - 200	-0.6820	+/-0.50	*
Chrysene-d12 (ISTD)	229140	13.368	274150	14.633	84	50 - 200	-1.2650	+/-0.50	*
Perylene-d12 (ISTD)	232873	16.585	244609	18.083	95	50 - 200	-1.4980	+/-0.50	*
Dibenz(a,h)anthracene-d14 (ISTD)	208540	18.957	188292	20.467	111	50 - 200	-1.5100	+/-0.50	*
Calibration Blank (1A05060-CCB1)			Lab File ID: N01052115.D			Analyzed: 01/05/21 21:18			
Naphthalene-d8 (ISTD)	187402	7.085	183926	7.085	102	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	118122	8.822	131687	8.821	90	50 - 200	0.0010	+/-0.50	
Phenanthrene-d10 (ISTD)	209864	10.308	247141	10.314	85	50 - 200	-0.0060	+/-0.50	
Chrysene-d12 (ISTD)	177131	13.362	229140	13.368	77	50 - 200	-0.0060	+/-0.50	
Perylene-d12 (ISTD)	174603	16.58	232873	16.585	75	50 - 200	-0.0050	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	158385	18.952	208540	18.957	76	50 - 200	-0.0050	+/-0.50	
Blank (1012490-BLK1)			Lab File ID: N01052116.D			Analyzed: 01/05/21 21:55			
Naphthalene-d8 (ISTD)	192952	7.09	183926	7.085	105	50 - 200	0.0050	+/-0.50	
Acenaphthene-d10 (ISTD)	121197	8.822	131687	8.821	92	50 - 200	0.0010	+/-0.50	
Phenanthrene-d10 (ISTD)	216971	10.314	247141	10.314	88	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	201010	13.368	229140	13.368	88	50 - 200	0.0000	+/-0.50	
Perylene-d12 (ISTD)	204652	16.585	232873	16.585	88	50 - 200	0.0000	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	193596	18.958	208540	18.957	93	50 - 200	0.0010	+/-0.50	
LCS (1012490-BS1)			Lab File ID: N01052117.D			Analyzed: 01/05/21 22:25			
Naphthalene-d8 (ISTD)	188263	7.091	183926	7.085	102	50 - 200	0.0060	+/-0.50	
Acenaphthene-d10 (ISTD)	126494	8.822	131687	8.821	96	50 - 200	0.0010	+/-0.50	
Phenanthrene-d10 (ISTD)	250259	10.314	247141	10.314	101	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	258804	13.368	229140	13.368	113	50 - 200	0.0000	+/-0.50	
Perylene-d12 (ISTD)	272504	16.585	232873	16.585	117	50 - 200	0.0000	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	263808	18.958	208540	18.957	127	50 - 200	0.0010	+/-0.50	
USMPDI-003SC-A-01-02-201110 (A0K0482-01)			Lab File ID: N01052118.D			Analyzed: 01/05/21 22:57			
Naphthalene-d8 (ISTD)	185717	7.09	183926	7.085	101	50 - 200	0.0050	+/-0.50	
Acenaphthene-d10 (ISTD)	122658	8.822	131687	8.821	93	50 - 200	0.0010	+/-0.50	
Phenanthrene-d10 (ISTD)	222700	10.314	247141	10.314	90	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	220118	13.368	229140	13.368	96	50 - 200	0.0000	+/-0.50	
Perylene-d12 (ISTD)	235649	16.591	232873	16.585	101	50 - 200	0.0060	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	207075	18.963	208540	18.957	99	50 - 200	0.0060	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
EPA 8270E

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	1A05060	Instrument:	SV-GCMS14
Matrix:	Sediment	Calibration:	A0H1005

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Duplicate (1012490-DUP1)			Lab File ID: N01052119.D			Analyzed: 01/05/21 23:27			
Naphthalene-d8 (ISTD)	170221	7.091	183926	7.085	93	50 - 200	0.0060	+/-0.50	
Acenaphthene-d10 (ISTD)	118372	8.822	131687	8.821	90	50 - 200	0.0010	+/-0.50	
Phenanthrene-d10 (ISTD)	228855	10.314	247141	10.314	93	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	229611	13.368	229140	13.368	100	50 - 200	0.0000	+/-0.50	
Perylene-d12 (ISTD)	248492	16.591	232873	16.585	107	50 - 200	0.0060	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	229225	18.963	208540	18.957	110	50 - 200	0.0060	+/-0.50	
Blank (1012493-BLK1)			Lab File ID: N01052120.D			Analyzed: 01/05/21 23:58			
Naphthalene-d8 (ISTD)	162048	7.09	183926	7.085	88	50 - 200	0.0050	+/-0.50	
Acenaphthene-d10 (ISTD)	115612	8.822	131687	8.821	88	50 - 200	0.0010	+/-0.50	
Phenanthrene-d10 (ISTD)	212252	10.314	247141	10.314	86	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	197117	13.368	229140	13.368	86	50 - 200	0.0000	+/-0.50	
Perylene-d12 (ISTD)	205754	16.585	232873	16.585	88	50 - 200	0.0000	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	195735	18.958	208540	18.957	94	50 - 200	0.0010	+/-0.50	
LCS (1012493-BS1)			Lab File ID: N01052121.D			Analyzed: 01/06/21 00:28			
Naphthalene-d8 (ISTD)	177193	7.085	183926	7.085	96	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	119489	8.821	131687	8.821	91	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	225749	10.314	247141	10.314	91	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	218516	13.368	229140	13.368	95	50 - 200	0.0000	+/-0.50	
Perylene-d12 (ISTD)	226105	16.585	232873	16.585	97	50 - 200	0.0000	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	214312	18.963	208540	18.957	103	50 - 200	0.0060	+/-0.50	
USMPDI-1006SC-D-10-12-201110 (A0K0482-22)			Lab File ID: N01052122.D			Analyzed: 01/06/21 00:58			
Naphthalene-d8 (ISTD)	187255	7.09	183926	7.085	102	50 - 200	0.0050	+/-0.50	
Acenaphthene-d10 (ISTD)	124792	8.821	131687	8.821	95	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	228719	10.314	247141	10.314	93	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	217282	13.368	229140	13.368	95	50 - 200	0.0000	+/-0.50	
Perylene-d12 (ISTD)	230777	16.585	232873	16.585	99	50 - 200	0.0000	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	209622	18.957	208540	18.957	101	50 - 200	0.0000	+/-0.50	
Duplicate (1012493-DUP1)			Lab File ID: N01052123.D			Analyzed: 01/06/21 01:29			
Naphthalene-d8 (ISTD)	188816	7.09	183926	7.085	103	50 - 200	0.0050	+/-0.50	
Acenaphthene-d10 (ISTD)	129630	8.822	131687	8.821	98	50 - 200	0.0010	+/-0.50	
Phenanthrene-d10 (ISTD)	248623	10.314	247141	10.314	101	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	249204	13.368	229140	13.368	109	50 - 200	0.0000	+/-0.50	
Perylene-d12 (ISTD)	264031	16.591	232873	16.585	113	50 - 200	0.0060	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	245299	18.963	208540	18.957	118	50 - 200	0.0060	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
EPA 8270E

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Sequence: 1A05060
Instrument: SV-GCMS14
Matrix: Sediment
Calibration: A0H1005

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Matrix Spike (1012493-MS1)			Lab File ID: N01052124.D			Analyzed: 01/06/21 01:59			
Naphthalene-d8 (ISTD)	180734	7.09	183926	7.085	98	50 - 200	0.0050	+/-0.50	
Acenaphthene-d10 (ISTD)	117271	8.821	131687	8.821	89	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	214937	10.313	247141	10.314	87	50 - 200	-0.0010	+/-0.50	
Chrysene-d12 (ISTD)	202189	13.368	229140	13.368	88	50 - 200	0.0000	+/-0.50	
Perylene-d12 (ISTD)	215646	16.591	232873	16.585	93	50 - 200	0.0060	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	172003	18.963	208540	18.957	82	50 - 200	0.0060	+/-0.50	
USMPDI-003SC-A-03-04-201110 (A0K0482-03)			Lab File ID: N01052125.D			Analyzed: 01/06/21 02:30			
Naphthalene-d8 (ISTD)	171217	7.09	183926	7.085	93	50 - 200	0.0050	+/-0.50	
Acenaphthene-d10 (ISTD)	117711	8.821	131687	8.821	89	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	211221	10.313	247141	10.314	85	50 - 200	-0.0010	+/-0.50	
Chrysene-d12 (ISTD)	195766	13.368	229140	13.368	85	50 - 200	0.0000	+/-0.50	
Perylene-d12 (ISTD)	209515	16.585	232873	16.585	90	50 - 200	0.0000	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	177888	18.963	208540	18.957	85	50 - 200	0.0060	+/-0.50	
Matrix Spike (1012490-MS1)			Lab File ID: N01052126.D			Analyzed: 01/06/21 03:00			
Naphthalene-d8 (ISTD)	177330	7.09	183926	7.085	96	50 - 200	0.0050	+/-0.50	
Acenaphthene-d10 (ISTD)	124297	8.822	131687	8.821	94	50 - 200	0.0010	+/-0.50	
Phenanthrene-d10 (ISTD)	237855	10.314	247141	10.314	96	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	239388	13.374	229140	13.368	104	50 - 200	0.0060	+/-0.50	
Perylene-d12 (ISTD)	256131	16.591	232873	16.585	110	50 - 200	0.0060	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	231014	18.969	208540	18.957	111	50 - 200	0.0120	+/-0.50	
Matrix Spike Dup (1012490-MSD1)			Lab File ID: N01052127.D			Analyzed: 01/06/21 03:31			
Naphthalene-d8 (ISTD)	170384	7.09	183926	7.085	93	50 - 200	0.0050	+/-0.50	
Acenaphthene-d10 (ISTD)	120600	8.822	131687	8.821	92	50 - 200	0.0010	+/-0.50	
Phenanthrene-d10 (ISTD)	220466	10.314	247141	10.314	89	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	204849	13.374	229140	13.368	89	50 - 200	0.0060	+/-0.50	
Perylene-d12 (ISTD)	216981	16.591	232873	16.585	93	50 - 200	0.0060	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	172788	18.969	208540	18.957	83	50 - 200	0.0120	+/-0.50	
USMPDI-006SC-D-12-14-201110 (A0K0482-21)			Lab File ID: N01052128.D			Analyzed: 01/06/21 04:01			
Naphthalene-d8 (ISTD)	185217	7.091	183926	7.085	101	50 - 200	0.0060	+/-0.50	
Acenaphthene-d10 (ISTD)	129305	8.822	131687	8.821	98	50 - 200	0.0010	+/-0.50	
Phenanthrene-d10 (ISTD)	253393	10.314	247141	10.314	103	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	255747	13.368	229140	13.368	112	50 - 200	0.0000	+/-0.50	
Perylene-d12 (ISTD)	270149	16.591	232873	16.585	116	50 - 200	0.0060	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	250891	18.964	208540	18.957	120	50 - 200	0.0070	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
EPA 8270E

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Sequence: 1A05060
Instrument: SV-GCMS14
Matrix: Sediment
Calibration: A0H1005

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Matrix Spike (1012490-MS2)			Lab File ID: N01052129.D			Analyzed: 01/06/21 04:31			
Naphthalene-d8 (ISTD)	186052	7.091	183926	7.085	101	50 - 200	0.0060	+/-0.50	
Acenaphthene-d10 (ISTD)	125644	8.822	131687	8.821	95	50 - 200	0.0010	+/-0.50	
Phenanthrene-d10 (ISTD)	231784	10.314	247141	10.314	94	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	228309	13.368	229140	13.368	100	50 - 200	0.0000	+/-0.50	
Perylene-d12 (ISTD)	238150	16.591	232873	16.585	102	50 - 200	0.0060	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	204181	18.969	208540	18.957	98	50 - 200	0.0120	+/-0.50	
Matrix Spike Dup (1012490-MSD2)			Lab File ID: N01052130.D			Analyzed: 01/06/21 05:02			
Naphthalene-d8 (ISTD)	181343	7.085	183926	7.085	99	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	130173	8.822	131687	8.821	99	50 - 200	0.0010	+/-0.50	
Phenanthrene-d10 (ISTD)	248378	10.314	247141	10.314	101	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	255148	13.368	229140	13.368	111	50 - 200	0.0000	+/-0.50	
Perylene-d12 (ISTD)	269090	16.591	232873	16.585	116	50 - 200	0.0060	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	245915	18.969	208540	18.957	118	50 - 200	0.0120	+/-0.50	
USMPDI-006SC-D-10-12-201110 (A0K0482-20)			Lab File ID: N01052131.D			Analyzed: 01/06/21 05:32			
Naphthalene-d8 (ISTD)	197644	7.09	183926	7.085	107	50 - 200	0.0050	+/-0.50	
Acenaphthene-d10 (ISTD)	130923	8.821	131687	8.821	99	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	237718	10.313	247141	10.314	96	50 - 200	-0.0010	+/-0.50	
Chrysene-d12 (ISTD)	229713	13.368	229140	13.368	100	50 - 200	0.0000	+/-0.50	
Perylene-d12 (ISTD)	241664	16.591	232873	16.585	104	50 - 200	0.0060	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	198675	18.969	208540	18.957	95	50 - 200	0.0120	+/-0.50	
USMPDI-003SC-B-02-04-201110 (A0K0482-08)			Lab File ID: N01052132.D			Analyzed: 01/06/21 06:02			
Naphthalene-d8 (ISTD)	187276	7.091	183926	7.085	102	50 - 200	0.0060	+/-0.50	
Acenaphthene-d10 (ISTD)	130950	8.822	131687	8.821	99	50 - 200	0.0010	+/-0.50	
Phenanthrene-d10 (ISTD)	244739	10.314	247141	10.314	99	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	243691	13.374	229140	13.368	106	50 - 200	0.0060	+/-0.50	
Perylene-d12 (ISTD)	264432	16.597	232873	16.585	114	50 - 200	0.0120	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	227313	18.969	208540	18.957	109	50 - 200	0.0120	+/-0.50	
USMPDI-003SC-B-04-06-201110 (A0K0482-09)			Lab File ID: N01052133.D			Analyzed: 01/06/21 06:33			
Naphthalene-d8 (ISTD)	183822	7.09	183926	7.085	100	50 - 200	0.0050	+/-0.50	
Acenaphthene-d10 (ISTD)	130024	8.821	131687	8.821	99	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	250582	10.314	247141	10.314	101	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	252992	13.374	229140	13.368	110	50 - 200	0.0060	+/-0.50	
Perylene-d12 (ISTD)	278129	16.591	232873	16.585	119	50 - 200	0.0060	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	247192	18.969	208540	18.957	119	50 - 200	0.0120	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
EPA 8270E

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	1A05060	Instrument:	SV-GCMS14
Matrix:	Sediment	Calibration:	A0H1005

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
USMPDI-003SC-B-06-08-201110 (A0K0482-10)			Lab File ID: N01052134.D			Analyzed: 01/06/21 07:05			
Naphthalene-d8 (ISTD)	186408	7.09	183926	7.085	101	50 - 200	0.0050	+/-0.50	
Acenaphthene-d10 (ISTD)	129095	8.821	131687	8.821	98	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	242124	10.314	247141	10.314	98	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	237481	13.374	229140	13.368	104	50 - 200	0.0060	+/-0.50	
Perylene-d12 (ISTD)	250404	16.591	232873	16.585	108	50 - 200	0.0060	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	227702	18.969	208540	18.957	109	50 - 200	0.0120	+/-0.50	
USMPDI-003SC-B-00-02-201110 (A0K0482-07)			Lab File ID: N01052135.D			Analyzed: 01/06/21 07:37			
Naphthalene-d8 (ISTD)	166625	7.09	183926	7.085	91	50 - 200	0.0050	+/-0.50	
Acenaphthene-d10 (ISTD)	120401	8.827	131687	8.821	91	50 - 200	0.0060	+/-0.50	
Phenanthrene-d10 (ISTD)	225051	10.314	247141	10.314	91	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	217637	13.38	229140	13.368	95	50 - 200	0.0120	+/-0.50	
Perylene-d12 (ISTD)	226046	16.609	232873	16.585	97	50 - 200	0.0240	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	192602	18.987	208540	18.957	92	50 - 200	0.0300	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
EPA 8270E

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	1A06048	Instrument:	SV-GCMS14
Matrix:	Sediment	Calibration:	A0H1005

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (1A06048-CCV1)			Lab File ID: N01062109.D			Analyzed: 01/06/21 12:38			
Naphthalene-d8 (ISTD)	198612	7.09	239628	7.737	83	50 - 200	-0.6470	+/-0.50	*
Acenaphthene-d10 (ISTD)	124717	8.822	160491	9.492	78	50 - 200	-0.6700	+/-0.50	*
Phenanthrene-d10 (ISTD)	232000	10.314	310167	10.996	75	50 - 200	-0.6820	+/-0.50	*
Chrysene-d12 (ISTD)	221707	13.374	274150	14.633	81	50 - 200	-1.2590	+/-0.50	*
Perylene-d12 (ISTD)	224932	16.597	244609	18.083	92	50 - 200	-1.4860	+/-0.50	*
Dibenz(a,h)anthracene-d14 (ISTD)	214046	18.969	188292	20.467	114	50 - 200	-1.4980	+/-0.50	*
Calibration Blank (1A06048-CCB1)			Lab File ID: N01062110.D			Analyzed: 01/06/21 13:11			
Naphthalene-d8 (ISTD)	178969	7.09	198612	7.09	90	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	107816	8.822	124717	8.822	86	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	187131	10.314	232000	10.314	81	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	176469	13.374	221707	13.374	80	50 - 200	0.0000	+/-0.50	
Perylene-d12 (ISTD)	186184	16.591	224932	16.597	83	50 - 200	-0.0060	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	188853	18.963	214046	18.969	88	50 - 200	-0.0060	+/-0.50	
USMPDI-006SC-D-00-02-201110 (A0K0482-15)			Lab File ID: N01062111.D			Analyzed: 01/06/21 13:43			
Naphthalene-d8 (ISTD)	197743	7.091	198612	7.09	100	50 - 200	0.0010	+/-0.50	
Acenaphthene-d10 (ISTD)	116545	8.828	124717	8.822	93	50 - 200	0.0060	+/-0.50	
Phenanthrene-d10 (ISTD)	212157	10.32	232000	10.314	91	50 - 200	0.0060	+/-0.50	
Chrysene-d12 (ISTD)	219303	13.386	221707	13.374	99	50 - 200	0.0120	+/-0.50	
Perylene-d12 (ISTD)	227153	16.615	224932	16.597	101	50 - 200	0.0180	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	209246	18.993	214046	18.969	98	50 - 200	0.0240	+/-0.50	
USMPDI-006SC-D-02-04-201110 (A0K0482-16)			Lab File ID: N01062112.D			Analyzed: 01/06/21 14:15			
Naphthalene-d8 (ISTD)	161172	7.091	198612	7.09	81	50 - 200	0.0010	+/-0.50	
Acenaphthene-d10 (ISTD)	104592	8.828	124717	8.822	84	50 - 200	0.0060	+/-0.50	
Phenanthrene-d10 (ISTD)	197729	10.32	232000	10.314	85	50 - 200	0.0060	+/-0.50	
Chrysene-d12 (ISTD)	227094	13.38	221707	13.374	102	50 - 200	0.0060	+/-0.50	
Perylene-d12 (ISTD)	248098	16.609	224932	16.597	110	50 - 200	0.0120	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	229122	18.987	214046	18.969	107	50 - 200	0.0180	+/-0.50	
USMPDI-006SC-D-04-06-201110 (A0K0482-17)			Lab File ID: N01062113.D			Analyzed: 01/06/21 14:48			
Naphthalene-d8 (ISTD)	158408	7.091	198612	7.09	80	50 - 200	0.0010	+/-0.50	
Acenaphthene-d10 (ISTD)	105885	8.827	124717	8.822	85	50 - 200	0.0050	+/-0.50	
Phenanthrene-d10 (ISTD)	197229	10.314	232000	10.314	85	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	204691	13.374	221707	13.374	92	50 - 200	0.0000	+/-0.50	
Perylene-d12 (ISTD)	216921	16.603	224932	16.597	96	50 - 200	0.0060	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	204985	18.975	214046	18.969	96	50 - 200	0.0060	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
EPA 8270E

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Sequence: 1A06048
Instrument: SV-GCMS14
Matrix: Sediment
Calibration: A0H1005

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
USMPDI-006SC-D-06-08-201110 (A0K0482-18)			Lab File ID: N01062114.D			Analyzed: 01/06/21 15:20			
Naphthalene-d8 (ISTD)	165060	7.09	198612	7.09	83	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	107481	8.827	124717	8.822	86	50 - 200	0.0050	+/-0.50	
Phenanthrene-d10 (ISTD)	204014	10.314	232000	10.314	88	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	212910	13.379	221707	13.374	96	50 - 200	0.0050	+/-0.50	
Perylene-d12 (ISTD)	225529	16.597	224932	16.597	100	50 - 200	0.0000	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	214397	18.975	214046	18.969	100	50 - 200	0.0060	+/-0.50	
USMPDI-006SC-D-08-10-201110 (A0K0482-19)			Lab File ID: N01062115.D			Analyzed: 01/06/21 15:52			
Naphthalene-d8 (ISTD)	175532	7.09	198612	7.09	88	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	104485	8.827	124717	8.822	84	50 - 200	0.0050	+/-0.50	
Phenanthrene-d10 (ISTD)	192115	10.314	232000	10.314	83	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	195701	13.38	221707	13.374	88	50 - 200	0.0060	+/-0.50	
Perylene-d12 (ISTD)	208622	16.609	224932	16.597	93	50 - 200	0.0120	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	193533	18.981	214046	18.969	90	50 - 200	0.0120	+/-0.50	
USMPDI-003SC-A-02-03-201110 (A0K0482-02)			Lab File ID: N01062116.D			Analyzed: 01/06/21 16:25			
Naphthalene-d8 (ISTD)	158475	7.09	198612	7.09	80	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	99274	8.827	124717	8.822	80	50 - 200	0.0050	+/-0.50	
Phenanthrene-d10 (ISTD)	175008	10.319	232000	10.314	75	50 - 200	0.0050	+/-0.50	
Chrysene-d12 (ISTD)	151522	13.374	221707	13.374	68	50 - 200	0.0000	+/-0.50	
Perylene-d12 (ISTD)	154799	16.597	224932	16.597	69	50 - 200	0.0000	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	134028	18.975	214046	18.969	63	50 - 200	0.0060	+/-0.50	
USMPDI-003SC-A-04-05-201110 (A0K0482-04)			Lab File ID: N01062117.D			Analyzed: 01/06/21 16:57			
Naphthalene-d8 (ISTD)	167139	7.09	198612	7.09	84	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	106663	8.827	124717	8.822	86	50 - 200	0.0050	+/-0.50	
Phenanthrene-d10 (ISTD)	206972	10.319	232000	10.314	89	50 - 200	0.0050	+/-0.50	
Chrysene-d12 (ISTD)	208856	13.379	221707	13.374	94	50 - 200	0.0050	+/-0.50	
Perylene-d12 (ISTD)	220049	16.603	224932	16.597	98	50 - 200	0.0060	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	203997	18.975	214046	18.969	95	50 - 200	0.0060	+/-0.50	
USMPDI-1003SC-A-01-02-201110 (A0K0482-05)			Lab File ID: N01062118.D			Analyzed: 01/06/21 17:29			
Naphthalene-d8 (ISTD)	171143	7.09	198612	7.09	86	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	111141	8.827	124717	8.822	89	50 - 200	0.0050	+/-0.50	
Phenanthrene-d10 (ISTD)	207368	10.319	232000	10.314	89	50 - 200	0.0050	+/-0.50	
Chrysene-d12 (ISTD)	216657	13.379	221707	13.374	98	50 - 200	0.0050	+/-0.50	
Perylene-d12 (ISTD)	227680	16.603	224932	16.597	101	50 - 200	0.0060	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	210149	18.981	214046	18.969	98	50 - 200	0.0120	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
EPA 8270E

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Sequence: 1A06048
Instrument: SV-GCMS14
Matrix: Sediment
Calibration: A0H1005

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
USMPDI-006SC-A-01-02-201110 (A0K0482-11)			Lab File ID: N01062119.D			Analyzed: 01/06/21 18:01			
Naphthalene-d8 (ISTD)	160159	7.091	198612	7.09	81	50 - 200	0.0010	+/-0.50	
Acenaphthene-d10 (ISTD)	94305	8.827	124717	8.822	76	50 - 200	0.0050	+/-0.50	
Phenanthrene-d10 (ISTD)	156209	10.314	232000	10.314	67	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	143962	13.38	221707	13.374	65	50 - 200	0.0060	+/-0.50	
Perylene-d12 (ISTD)	155254	16.603	224932	16.597	69	50 - 200	0.0060	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	140780	18.981	214046	18.969	66	50 - 200	0.0120	+/-0.50	
USMPDI-006SC-A-02-03-201110 (A0K0482-12)			Lab File ID: N01062120.D			Analyzed: 01/06/21 18:33			
Naphthalene-d8 (ISTD)	156647	7.09	198612	7.09	79	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	102238	8.827	124717	8.822	82	50 - 200	0.0050	+/-0.50	
Phenanthrene-d10 (ISTD)	186723	10.314	232000	10.314	80	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	199426	13.38	221707	13.374	90	50 - 200	0.0060	+/-0.50	
Perylene-d12 (ISTD)	221713	16.603	224932	16.597	99	50 - 200	0.0060	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	205990	18.981	214046	18.969	96	50 - 200	0.0120	+/-0.50	
USMPDI-006SC-A-03-04-201110 (A0K0482-13)			Lab File ID: N01062121.D			Analyzed: 01/06/21 19:06			
Naphthalene-d8 (ISTD)	167430	7.09	198612	7.09	84	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	105987	8.827	124717	8.822	85	50 - 200	0.0050	+/-0.50	
Phenanthrene-d10 (ISTD)	187813	10.314	232000	10.314	81	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	168553	13.374	221707	13.374	76	50 - 200	0.0000	+/-0.50	
Perylene-d12 (ISTD)	171189	16.597	224932	16.597	76	50 - 200	0.0000	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	147697	18.975	214046	18.969	69	50 - 200	0.0060	+/-0.50	
USMPDI-006SC-A-04-05-201110 (A0K0482-14)			Lab File ID: N01062122.D			Analyzed: 01/06/21 19:38			
Naphthalene-d8 (ISTD)	169909	7.091	198612	7.09	86	50 - 200	0.0010	+/-0.50	
Acenaphthene-d10 (ISTD)	104480	8.828	124717	8.822	84	50 - 200	0.0060	+/-0.50	
Phenanthrene-d10 (ISTD)	193720	10.32	232000	10.314	84	50 - 200	0.0060	+/-0.50	
Chrysene-d12 (ISTD)	187441	13.38	221707	13.374	85	50 - 200	0.0060	+/-0.50	
Perylene-d12 (ISTD)	194474	16.609	224932	16.597	86	50 - 200	0.0120	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	175729	18.981	214046	18.969	82	50 - 200	0.0120	+/-0.50	
USMPDI-006SC-A-04-05-201110 (A0K0482-14RE1)			Lab File ID: N01062124.D			Analyzed: 01/06/21 21:01			
Naphthalene-d8 (ISTD)	167629	7.09	198612	7.09	84	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10 (ISTD)	102978	8.822	124717	8.822	83	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10 (ISTD)	191422	10.314	232000	10.314	83	50 - 200	0.0000	+/-0.50	
Chrysene-d12 (ISTD)	190431	13.374	221707	13.374	86	50 - 200	0.0000	+/-0.50	
Perylene-d12 (ISTD)	199935	16.597	224932	16.597	89	50 - 200	0.0000	+/-0.50	
Dibenz(a,h)anthracene-d14 (ISTD)	185388	18.975	214046	18.969	87	50 - 200	0.0060	+/-0.50	

HOLDING TIME SUMMARY

EPA 8270E

Laboratory: Apex Laboratories SDG: A0K0482

Client: Anchor QEA, LLC Project: US Moorings -- C2, C3, C4

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
USMPDI-003SC-A-01-02-201110	11/10/20 12:15	11/11/20 13:30	01/05/21 07:42	55.81	14.00	01/05/21 22:57	0.64	40.00	*
USMPDI-003SC-A-02-03-201110	11/10/20 12:15	11/11/20 13:30	01/05/21 07:42	55.81	14.00	01/06/21 16:25	1.36	40.00	*
USMPDI-003SC-A-03-04-201110	11/10/20 12:15	11/11/20 13:30	01/05/21 07:42	55.81	14.00	01/06/21 02:30	0.78	40.00	*
USMPDI-003SC-A-04-05-201110	11/10/20 12:15	11/11/20 13:30	01/05/21 07:42	55.81	14.00	01/06/21 16:57	1.39	40.00	*
USMPDI-1003SC-A-01-02-201110	11/10/20 12:15	11/11/20 13:30	01/05/21 07:42	55.81	14.00	01/06/21 17:29	1.41	40.00	*
USMPDI-003SC-B-00-02-201110	11/10/20 11:55	11/11/20 13:30	01/05/21 07:42	55.82	14.00	01/06/21 07:37	1.00	40.00	*
USMPDI-003SC-B-02-04-201110	11/10/20 11:55	11/11/20 13:30	01/05/21 07:42	55.82	14.00	01/06/21 06:02	0.93	40.00	*
USMPDI-003SC-B-04-06-201110	11/10/20 11:55	11/11/20 13:30	01/05/21 07:42	55.82	14.00	01/06/21 06:33	0.95	40.00	*
USMPDI-003SC-B-06-08-201110	11/10/20 11:55	11/11/20 13:30	01/05/21 07:42	55.82	14.00	01/06/21 07:05	0.97	40.00	*
USMPDI-006SC-A-01-02-201110	11/10/20 09:25	11/11/20 13:30	01/05/21 07:42	55.93	14.00	01/06/21 18:01	1.43	40.00	*
USMPDI-006SC-A-02-03-201110	11/10/20 09:25	11/11/20 13:30	01/05/21 07:42	55.93	14.00	01/06/21 18:33	1.45	40.00	*
USMPDI-006SC-A-03-04-201110	11/10/20 09:25	11/11/20 13:30	01/05/21 07:42	55.93	14.00	01/06/21 19:06	1.47	40.00	*
USMPDI-006SC-A-04-05-201110	11/10/20 09:25	11/11/20 13:30	01/05/21 07:42	55.93	14.00	01/06/21 19:38	1.50	40.00	*
USMPDI-006SC-A-04-05-201110	11/10/20 09:25	11/11/20 13:30	01/05/21 07:42	55.93	14.00	01/06/21 21:01	1.55	40.00	*
USMPDI-006SC-D-00-02-201110	11/10/20 09:05	11/11/20 13:30	01/05/21 07:42	55.94	14.00	01/06/21 13:43	1.25	40.00	*
USMPDI-006SC-D-02-04-201110	11/10/20 09:05	11/11/20 13:30	01/05/21 07:42	55.94	14.00	01/06/21 14:15	1.27	40.00	*
USMPDI-006SC-D-04-06-201110	11/10/20 09:05	11/11/20 13:30	01/05/21 07:42	55.94	14.00	01/06/21 14:48	1.30	40.00	*
USMPDI-006SC-D-06-08-201110	11/10/20 09:05	11/11/20 13:30	01/05/21 07:42	55.94	14.00	01/06/21 15:20	1.32	40.00	*
USMPDI-006SC-D-08-10-201110	11/10/20 09:05	11/11/20 13:30	01/05/21 07:42	55.94	14.00	01/06/21 15:52	1.34	40.00	*
USMPDI-006SC-D-10-12-201110	11/10/20 09:05	11/11/20 13:30	01/05/21 07:42	55.94	14.00	01/06/21 05:32	0.91	40.00	*
USMPDI-006SC-D-12-14-201110	11/10/20 09:05	11/11/20 13:30	01/05/21 07:42	55.94	14.00	01/06/21 04:01	0.85	40.00	*
USMPDI-1006SC-D-10-12-201110	11/10/20 09:05	11/11/20 13:30	01/05/21 07:44	55.94	14.00	01/06/21 00:58	0.72	40.00	*

Apex Laboratories

SDG: A0K0482

CLASS: METALS

METHOD: EPA 6020B

ANALYSES DATA PACKAGE COVER PAGE

EPA 6020B

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4

Client Sample Id:	Lab Sample Id:	Matrix
USMPDI-003SC-B-00-02-201110	A0K0482-07	SE
USMPDI-003SC-B-02-04-201110	A0K0482-08	SE
USMPDI-003SC-B-04-06-201110	A0K0482-09	SE
USMPDI-003SC-B-06-08-201110	A0K0482-10	SE
USMPDI-006SC-D-00-02-201110	A0K0482-15	SE
USMPDI-006SC-D-02-04-201110	A0K0482-16	SE
USMPDI-006SC-D-04-06-201110	A0K0482-17	SE
USMPDI-006SC-D-06-08-201110	A0K0482-18	SE
USMPDI-006SC-D-08-10-201110	A0K0482-19	SE
USMPDI-006SC-D-10-12-201110	A0K0482-20	SE
USMPDI-006SC-D-12-14-201110	A0K0482-21	SE
USMPDI-1006SC-D-10-12-201110	A0K0482-22	SE

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in computer-readable data submitted on diskette has been autorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures.

Signature: 
Name: David G. Jack

Forms Created: 2/3/2021 11:44AM
Title: Technical Manager

METHOD DETECTION AND REPORTING LIMITS

EPA 6020B

Laboratory: Apex Laboratories **SDG:** A0K0482

Client: Anchor QEA, LLC **Project:** US Moorings -- C2, C3, C4

Batch Matrix: Sediment

Analyte	MDL	MRL	Units
Arsenic	0.250	0.500	mg/kg
Cadmium	0.0500	0.100	mg/kg
Chromium	0.250	0.500	mg/kg
Copper	0.500	1.00	mg/kg
Lead	0.0500	0.100	mg/kg
Manganese	0.250	0.500	mg/kg
Vanadium	1.00	2.00	mg/kg
Zinc	1.00	2.00	mg/kg

Note: MDLs are listed only if the corresponding analyte was evalutated to the MDL in this report .

INORGANIC ANALYSIS DATA SHEET

EPA 6020B

USMPDI-003SC-B-00-02-201110

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Matrix: SE
Laboratory ID: A0K0482-07
File ID: 1A14033-034
Sampled: 11/10/20 11:55
Prepared: 01/13/21 14:49
Analyzed: 01/14/21 13:46
Solids: N/A
Preparation: EPA 3051A
Initial/Final: 0.493 g / 50 mL
Batch: 1012850
Sequence: 1A14033
Instrument: ICPMS5

CAS NO.	Analyte	Concentration (mg/kg wet)	Dilution Factor	Q	Method
7440-38-2	Arsenic	3.17	5		EPA 6020B
7440-43-9	Cadmium	0.102	5		EPA 6020B
7440-47-3	Chromium	20.5	5		EPA 6020B
7440-50-8	Copper	24.4	5		EPA 6020B
7439-92-1	Lead	6.26	5		EPA 6020B
7439-96-5	Manganese	346	5		EPA 6020B
7440-62-2	Vanadium	67.8	5	D	EPA 6020B
7440-66-6	Zinc	60.5	5		EPA 6020B

INORGANIC ANALYSIS DATA SHEET

EPA 6020B

USMPDI-003SC-B-02-04-201110

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Matrix: SE
Laboratory ID: A0K0482-08
File ID: 1A14033-035
Sampled: 11/10/20 11:55
Prepared: 01/13/21 14:49
Analyzed: 01/14/21 13:51
Solids: 78.77
Preparation: EPA 3051A
Initial/Final: 0.497 g / 50 mL
Batch: 1012850
Sequence: 1A14033
Instrument: ICPMS5

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	Method
7440-38-2	Arsenic	3.82	5		EPA 6020B
7440-43-9	Cadmium	0.0846	5	J	EPA 6020B
7440-47-3	Chromium	24.0	5		EPA 6020B
7440-50-8	Copper	23.4	5		EPA 6020B
7439-92-1	Lead	3.51	5		EPA 6020B
7439-96-5	Manganese	395	5		EPA 6020B
7440-62-2	Vanadium	93.3	5	D	EPA 6020B
7440-66-6	Zinc	61.5	5		EPA 6020B

INORGANIC ANALYSIS DATA SHEET

EPA 6020B

USMPDI-003SC-B-04-06-201110

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Matrix: SE
Laboratory ID: A0K0482-09
File ID: 1A14033-036
Sampled: 11/10/20 11:55
Prepared: 01/13/21 14:49
Analyzed: 01/14/21 13:57
Solids: 78.61
Preparation: EPA 3051A
Initial/Final: 0.508 g / 50 mL
Batch: 1012850
Sequence: 1A14033
Instrument: ICPMS5

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	Method
7440-38-2	Arsenic	3.70	5		EPA 6020B
7440-43-9	Cadmium	0.0626	5	U	EPA 6020B
7440-47-3	Chromium	19.9	5		EPA 6020B
7440-50-8	Copper	20.8	5		EPA 6020B
7439-92-1	Lead	3.55	5		EPA 6020B
7439-96-5	Manganese	276	5		EPA 6020B
7440-62-2	Vanadium	82.6	5	D	EPA 6020B
7440-66-6	Zinc	55.3	5		EPA 6020B

INORGANIC ANALYSIS DATA SHEET

EPA 6020B

USMPDI-003SC-B-06-08-201110

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Matrix: SE
Laboratory ID: A0K0482-10
File ID: 1A14033-037
Sampled: 11/10/20 11:55
Prepared: 01/13/21 14:49
Analyzed: 01/14/21 14:02
Solids: 83.31
Preparation: EPA 3051A
Initial/Final: 0.498 g / 50 mL
Batch: 1012850
Sequence: 1A14033
Instrument: ICPMS5

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	Method
7440-38-2	Arsenic	3.36	5		EPA 6020B
7440-43-9	Cadmium	0.0780	5	J	EPA 6020B
7440-47-3	Chromium	20.6	5		EPA 6020B
7440-50-8	Copper	20.2	5		EPA 6020B
7439-92-1	Lead	3.28	5		EPA 6020B
7439-96-5	Manganese	257	5		EPA 6020B
7440-62-2	Vanadium	82.3	5	D	EPA 6020B
7440-66-6	Zinc	54.7	5		EPA 6020B

INORGANIC ANALYSIS DATA SHEET

EPA 6020B

USMPDI-006SC-D-00-02-201110

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Matrix: SE
Laboratory ID: A0K0482-15
File ID: 1A14033-038
Sampled: 11/10/20 09:05
Prepared: 01/13/21 14:49
Analyzed: 01/14/21 14:07
Solids: 56.97
Preparation: EPA 3051A
Initial/Final: 0.501 g / 50 mL
Batch: 1012850
Sequence: 1A14033
Instrument: ICPMS5

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	Method
7440-38-2	Arsenic	6.30	5		EPA 6020B
7440-43-9	Cadmium	0.276	5		EPA 6020B
7440-47-3	Chromium	41.1	5		EPA 6020B
7440-50-8	Copper	55.0	5		EPA 6020B
7439-92-1	Lead	19.6	5		EPA 6020B
7439-96-5	Manganese	737	5		EPA 6020B
7440-62-2	Vanadium	124	5	D	EPA 6020B
7440-66-6	Zinc	140	5		EPA 6020B

INORGANIC ANALYSIS DATA SHEET

EPA 6020B

USMPDI-006SC-D-02-04-201110

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Matrix: SE
Laboratory ID: A0K0482-16
File ID: 1A14033-039
Sampled: 11/10/20 09:05
Prepared: 01/13/21 14:49
Analyzed: 01/14/21 14:13
Solids: 77.04
Preparation: EPA 3051A
Initial/Final: 0.498 g / 50 mL
Batch: 1012850
Sequence: 1A14033
Instrument: ICPMS5

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	Method
7440-38-2	Arsenic	3.44	5		EPA 6020B
7440-43-9	Cadmium	0.0705	5	J	EPA 6020B
7440-47-3	Chromium	22.4	5		EPA 6020B
7440-50-8	Copper	22.8	5		EPA 6020B
7439-92-1	Lead	5.64	5		EPA 6020B
7439-96-5	Manganese	341	5		EPA 6020B
7440-62-2	Vanadium	90.5	5	D	EPA 6020B
7440-66-6	Zinc	64.0	5		EPA 6020B

INORGANIC ANALYSIS DATA SHEET

EPA 6020B

USMPDI-006SC-D-04-06-201110

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Matrix: SE
Laboratory ID: A0K0482-17
File ID: 1A14033-040
Sampled: 11/10/20 09:05
Prepared: 01/13/21 14:49
Analyzed: 01/14/21 14:18
Solids: 81.62
Preparation: EPA 3051A
Initial/Final: 0.49 g / 50 mL
Batch: 1012850
Sequence: 1A14033
Instrument: ICPMS5

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	Method
7440-38-2	Arsenic	3.55	5		EPA 6020B
7440-43-9	Cadmium	0.0683	5	J	EPA 6020B
7440-47-3	Chromium	21.9	5		EPA 6020B
7440-50-8	Copper	21.5	5		EPA 6020B
7439-92-1	Lead	4.53	5		EPA 6020B
7439-96-5	Manganese	310	5		EPA 6020B
7440-62-2	Vanadium	88.0	5	D	EPA 6020B
7440-66-6	Zinc	60.7	5		EPA 6020B

INORGANIC ANALYSIS DATA SHEET

EPA 6020B

USMPDI-006SC-D-06-08-201110

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Matrix: SE
Laboratory ID: A0K0482-18
File ID: 1A14033-041
Sampled: 11/10/20 09:05
Prepared: 01/13/21 14:49
Analyzed: 01/14/21 14:23
Solids: 79.00
Preparation: EPA 3051A
Initial/Final: 0.519 g / 50 mL
Batch: 1012850
Sequence: 1A14033
Instrument: ICPMS5

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	Method
7440-38-2	Arsenic	4.89	5		EPA 6020B
7440-43-9	Cadmium	0.0610	5	U	EPA 6020B
7440-47-3	Chromium	22.1	5		EPA 6020B
7440-50-8	Copper	22.7	5		EPA 6020B
7439-92-1	Lead	8.25	5		EPA 6020B
7439-96-5	Manganese	365	5		EPA 6020B
7440-62-2	Vanadium	87.6	5	D	EPA 6020B
7440-66-6	Zinc	74.6	5		EPA 6020B

INORGANIC ANALYSIS DATA SHEET

EPA 6020B

USMPDI-006SC-D-08-10-201110

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Matrix: SE
Laboratory ID: A0K0482-19
File ID: 1A14033-045
Sampled: 11/10/20 09:05
Prepared: 01/13/21 14:49
Analyzed: 01/14/21 14:43
Solids: 75.87
Preparation: EPA 3051A
Initial/Final: 0.484 g / 50 mL
Batch: 1012850
Sequence: 1A14033
Instrument: ICPMS5

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	Method
7440-38-2	Arsenic	4.11	5		EPA 6020B
7440-43-9	Cadmium	0.105	5	J	EPA 6020B
7440-47-3	Chromium	25.2	5		EPA 6020B
7440-50-8	Copper	24.8	5		EPA 6020B
7439-92-1	Lead	3.76	5		EPA 6020B
7439-96-5	Manganese	887	5		EPA 6020B
7440-62-2	Vanadium	92.4	5	D	EPA 6020B
7440-66-6	Zinc	58.3	5		EPA 6020B

INORGANIC ANALYSIS DATA SHEET

EPA 6020B

USMPDI-006SC-D-10-12-201110

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Matrix: SE
Laboratory ID: A0K0482-20
File ID: 1A14033-046
Sampled: 11/10/20 09:05
Prepared: 01/13/21 14:49
Analyzed: 01/14/21 14:48
Solids: 72.78
Preparation: EPA 3051A
Initial/Final: 0.481 g / 50 mL
Batch: 1012850
Sequence: 1A14033
Instrument: ICPMS5

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	Method
7440-38-2	Arsenic	3.69	5		EPA 6020B
7440-43-9	Cadmium	0.0875	5	J	EPA 6020B
7440-47-3	Chromium	22.0	5		EPA 6020B
7440-50-8	Copper	21.9	5		EPA 6020B
7439-92-1	Lead	3.60	5		EPA 6020B
7439-96-5	Manganese	340	5		EPA 6020B
7440-62-2	Vanadium	87.1	5	D	EPA 6020B
7440-66-6	Zinc	57.4	5		EPA 6020B

INORGANIC ANALYSIS DATA SHEET

EPA 6020B

USMPDI-006SC-D-12-14-201110

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Matrix: SE
Laboratory ID: A0K0482-21
File ID: 1A14033-047
Sampled: 11/10/20 09:05
Prepared: 01/13/21 14:49
Analyzed: 01/14/21 14:53
Solids: 73.57
Preparation: EPA 3051A
Initial/Final: 0.501 g / 50 mL
Batch: 1012850
Sequence: 1A14033
Instrument: ICPMS5

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	Method
7440-38-2	Arsenic	3.52	5		EPA 6020B
7440-43-9	Cadmium	0.0825	5	J	EPA 6020B
7440-47-3	Chromium	22.6	5		EPA 6020B
7440-50-8	Copper	22.4	5		EPA 6020B
7439-92-1	Lead	3.41	5		EPA 6020B
7439-96-5	Manganese	287	5		EPA 6020B
7440-62-2	Vanadium	88.3	5	D	EPA 6020B
7440-66-6	Zinc	57.8	5		EPA 6020B

INORGANIC ANALYSIS DATA SHEET

EPA 6020B

USMPDI-1006SC-D-10-12-20111
0

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Matrix: SE
Laboratory ID: A0K0482-22
File ID: 1A14033-050
Sampled: 11/10/20 09:05
Prepared: 01/13/21 14:49
Analyzed: 01/14/21 15:08
Solids: 73.78
Preparation: EPA 3051A
Initial/Final: 0.506 g / 50 mL
Batch: 1012850
Sequence: 1A14033
Instrument: ICPMS5

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	Method
7440-38-2	Arsenic	3.64	5		EPA 6020B
7440-43-9	Cadmium	0.0866	5	J	EPA 6020B
7440-47-3	Chromium	20.6	5		EPA 6020B
7440-50-8	Copper	22.2	5		EPA 6020B
7439-92-1	Lead	3.69	5		EPA 6020B
7439-96-5	Manganese	388	5		EPA 6020B
7440-62-2	Vanadium	86.0	5	D	EPA 6020B
7440-66-6	Zinc	56.6	5		EPA 6020B

PREPARATION BATCH SUMMARY

EPA 6020B

Laboratory: Apex Laboratories SDG: A0K0482

Client: Anchor QEA, LLC Project: US Moorings -- C2, C3, C4

Batch: 1012850 Batch Matrix: Sediment Preparation: EPA 3051A

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	1012850-BLK1	1A14033-032	01/13/21 14:49	
LCS	1012850-BS1	1A14033-033	01/13/21 14:49	
USMPDI-006SC-D-12-14-201110 (M	1012850-MS1	1A14033-048	01/13/21 14:49	
USMPDI-006SC-D-12-14-201110 (M	1012850-MSD1	1A14033-049	01/13/21 14:49	
USMPDI-003SC-B-00-02-201110	A0K0482-07	1A14033-034	01/13/21 14:49	
USMPDI-003SC-B-02-04-201110	A0K0482-08	1A14033-035	01/13/21 14:49	
USMPDI-003SC-B-04-06-201110	A0K0482-09	1A14033-036	01/13/21 14:49	
USMPDI-003SC-B-06-08-201110	A0K0482-10	1A14033-037	01/13/21 14:49	
USMPDI-006SC-D-00-02-201110	A0K0482-15	1A14033-038	01/13/21 14:49	
USMPDI-006SC-D-02-04-201110	A0K0482-16	1A14033-039	01/13/21 14:49	
USMPDI-006SC-D-04-06-201110	A0K0482-17	1A14033-040	01/13/21 14:49	
USMPDI-006SC-D-06-08-201110	A0K0482-18	1A14033-041	01/13/21 14:49	
USMPDI-006SC-D-08-10-201110	A0K0482-19	1A14033-045	01/13/21 14:49	
USMPDI-006SC-D-10-12-201110	A0K0482-20	1A14033-046	01/13/21 14:49	
USMPDI-006SC-D-12-14-201110	A0K0482-21	1A14033-047	01/13/21 14:49	
USMPDI-1006SC-D-10-12-201110	A0K0482-22	1A14033-050	01/13/21 14:49	

Note: Client samples are listed only if they are included in this report.
Duplicates and Matrix Spike/Duplicates QC Samples are only listed if sourced from a sample included in this report.

METHOD BLANK DATA SHEET
EPA 6020B

Laboratory:	Apex Laboratories			SDG:	A0K0482
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	Sediment	Laboratory ID:	1012850-BLK1	File ID:	1A14033-032
Prepared:	01/13/21 14:49	Preparation:	EPA 3051A	Initial/Final:	0.52 g / 50 mL
Analyzed:	01/14/21 13:36	Instrument:	ICPMS5		
Batch:	1012850	Sequence:	1A14033	Calibration:	UNASSIGNED

CAS NO.	COMPOUND	CONC. (mg/kg wet)	Q
7440-38-2	Arsenic	0.240	U
7440-43-9	Cadmium	0.0481	U
7440-47-3	Chromium	0.240	U
7440-50-8	Copper	0.481	U
7439-92-1	Lead	0.0481	U
7439-96-5	Manganese	0.240	U
7440-62-2	Vanadium	0.481	U
7440-66-6	Zinc	0.962	U

LCS / LCS DUPLICATE RECOVERY

EPA 6020B

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Matrix:	Sediment		
Batch:	1012850	Laboratory ID:	1012850-BS1
Preparation:	EPA 3051A	Initial/Final:	0.52 g / 50 mL

COMPOUND	SPIKE ADDED (mg/kg wet)	LCS CONCENTRATION (mg/kg wet)	LCS % REC. (*=Out)	QC LIMITS REC.
Arsenic	24.0	24.3	101	80 - 120
Cadmium	24.0	23.8	99	80 - 120
Chromium	24.0	24.8	103	80 - 120
Copper	24.0	25.9	108	80 - 120
Lead	24.0	25.1	105	80 - 120
Manganese	24.0	24.9	104	80 - 120
Vanadium	24.0	25.2	105	80 - 120
Zinc	24.0	25.0	104	80 - 120

* = Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 6020B

USMPDI-006SC-D-12-14-201110

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Matrix:	Sediment		
Batch:	1012850	Laboratory ID:	1012850-MS1
Preparation:	EPA 3051A	Initial/Final:	0.511 g / 50 mL

Source Sample Name: USMPDI-006SC-D-12-14-201110

COMPOUND	SPIKE ADDED (mg/kg dry)	SAMPLE CONCENTRATION (mg/kg dry)	MS CONCENTRATION (mg/kg dry)	MS % REC. (*=Out)	QC LIMITS REC.
Arsenic	33.2	3.52	36.5	99	75 - 125
Cadmium	33.2	0.0825	32.8	98	75 - 125
Chromium	33.2	22.6	56.6	102	75 - 125
Copper	33.2	22.4	56.9	104	75 - 125
Lead	33.2	3.41	36.2	99	75 - 125
Manganese	33.2	287	325	116	75 - 125
Vanadium	33.2	88.3	123	103	75 - 125
Zinc	33.2	57.8	91.8	102	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

EPA 6020B

USMPDI-006SC-D-12-14-201110

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Matrix:	Sediment		
Batch:	1012850	Laboratory ID:	1012850-MSD1
Preparation:	EPA 3051A	Initial/Final:	0.504 g / 50 mL

Source Sample Name: USMPDI-006SC-D-12-14-201110

COMPOUND	SPIKE ADDED (mg/kg dry)	MSD CONCENTRATION (mg/kg dry)	MSD % RECOVERY	% RPD	QC LIMITS RPD	QC LIMITS REC.
Arsenic	33.7	38.9	105	6	20	75 - 125
Cadmium	33.7	35.7	106	8	20	75 - 125
Chromium	33.7	62.9	120	10	20	75 - 125
Copper	33.7	63.3	121	11	20	75 - 125
Lead	33.7	40.8	111	12	20	75 - 125
Manganese	33.7	386	294 *	17	20	75 - 125
Vanadium	33.7	135	139 *	10	20	75 - 125
Zinc	33.7	99.3	123	8	20	75 - 125

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 6020B

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	1A14033	Instrument:	ICPMS5
Matrix:	Sediment	Calibration:	UNASSIGNED

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	1A14033-CAL1	1A14033-006	01/14/21 11:18
Cal Standard	1A14033-CAL2	1A14033-007	01/14/21 11:24
Cal Standard	1A14033-CAL3	1A14033-008	01/14/21 11:29
Cal Standard	1A14033-CAL4	1A14033-009	01/14/21 11:34
Cal Standard	1A14033-CAL5	1A14033-010	01/14/21 11:40
Cal Standard	1A14033-CAL6	1A14033-011	01/14/21 11:45
Cal Standard	1A14033-CAL7	1A14033-012	01/14/21 11:51
Cal Standard	1A14033-CAL8	1A14033-013	01/14/21 11:56
Cal Standard	1A14033-CAL9	1A14033-014	01/14/21 12:01
Initial Cal Check	1A14033-ICV1	1A14033-015	01/14/21 12:08
Initial Cal Blank	1A14033-ICB1	1A14033-016	01/14/21 12:13
Calibration Check	1A14033-CCV1	1A14033-029	01/14/21 13:20
Calibration Check	1A14033-CCV2	1A14033-030	01/14/21 13:26
Calibration Blank	1A14033-CCB1	1A14033-031	01/14/21 13:31
Blank	1012850-BLK1	1A14033-032	01/14/21 13:36
LCS	1012850-BS1	1A14033-033	01/14/21 13:41
USMPDI-003SC-B-00-02-201110	A0K0482-07	1A14033-034	01/14/21 13:46
USMPDI-003SC-B-02-04-201110	A0K0482-08	1A14033-035	01/14/21 13:51
USMPDI-003SC-B-04-06-201110	A0K0482-09	1A14033-036	01/14/21 13:57
USMPDI-003SC-B-06-08-201110	A0K0482-10	1A14033-037	01/14/21 14:02
USMPDI-006SC-D-00-02-201110	A0K0482-15	1A14033-038	01/14/21 14:07
USMPDI-006SC-D-02-04-201110	A0K0482-16	1A14033-039	01/14/21 14:13
USMPDI-006SC-D-04-06-201110	A0K0482-17	1A14033-040	01/14/21 14:18
USMPDI-006SC-D-06-08-201110	A0K0482-18	1A14033-041	01/14/21 14:23
Calibration Check	1A14033-CCV3	1A14033-042	01/14/21 14:28
Calibration Check	1A14033-CCV4	1A14033-043	01/14/21 14:33
Calibration Blank	1A14033-CCB2	1A14033-044	01/14/21 14:38
USMPDI-006SC-D-08-10-201110	A0K0482-19	1A14033-045	01/14/21 14:43
USMPDI-006SC-D-10-12-201110	A0K0482-20	1A14033-046	01/14/21 14:48
USMPDI-006SC-D-12-14-201110	A0K0482-21	1A14033-047	01/14/21 14:53
USMPDI-006SC-D-12-14-201110 (M	1012850-MS1	1A14033-048	01/14/21 14:58
USMPDI-006SC-D-12-14-201110 (M	1012850-MSD1	1A14033-049	01/14/21 15:03
USMPDI-1006SC-D-10-12-201110	A0K0482-22	1A14033-050	01/14/21 15:08

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 6020B

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	1A14033	Instrument:	ICPMS5
Matrix:	Sediment	Calibration:	UNASSIGNED

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1A14033-CCV5	1A14033-055	01/14/21 15:34
Calibration Blank	1A14033-CCB3	1A14033-056	01/14/21 15:39
Calibration Check	1A14033-CCV6	1A14033-062	01/14/21 16:10
Calibration Blank	1A14033-CCB4	1A14033-063	01/14/21 16:15
Calibration Check	1A14033-CCV7	1A14033-072	01/14/21 17:01
Calibration Blank	1A14033-CCB5	1A14033-073	01/14/21 17:06
Calibration Blank	1A14033-CCB6	1A14033-074	01/14/21 17:11
Calibration Check	1A14033-CCV8	1A14033-081	01/14/21 17:47
Calibration Blank	1A14033-CCB7	1A14033-082	01/14/21 17:52

Note: Client samples are listed only if they are included in this report.
Duplicates and Matrix Spike/Duplicates QC Samples are only listed if sourced from a sample included in this report.

INITIAL AND CONTINUING CALIBRATION CHECK

EPA 6020B

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Instrument ID: ICPMS5
Calibration: UNASSIGNED
Control Limt: +/- 10.00%
Sequence: 1A14033

Lab Sample ID	Analyte	True	Found	%R	Units	Method
1A14033-ICV1	Arsenic	100	103	103	ug/L	EPA 6020B
	Cadmium	100	99.5	99	ug/L	EPA 6020B
	Chromium	100	99.3	99	ug/L	EPA 6020B
	Copper	100	106	106	ug/L	EPA 6020B
	Lead	100	103	103	ug/L	EPA 6020B
	Manganese	100	103	103	ug/L	EPA 6020B
	Vanadium	100	101	101	ug/L	EPA 6020B
	Zinc	100	103	103	ug/L	EPA 6020B
1A14033-CCV1	Arsenic	100	101	101	ug/L	EPA 6020B
	Cadmium	100	98.2	98	ug/L	EPA 6020B
	Chromium	100	99.1	99	ug/L	EPA 6020B
	Copper	100	105	105	ug/L	EPA 6020B
	Lead	100	101	101	ug/L	EPA 6020B
	Manganese	100	102	102	ug/L	EPA 6020B
	Vanadium	100	101	101	ug/L	EPA 6020B
	Zinc	100	102	102	ug/L	EPA 6020B
1A14033-CCV2	Arsenic	100	102	102	ug/L	EPA 6020B
	Cadmium	100	98.0	98	ug/L	EPA 6020B
	Chromium	100	100	100	ug/L	EPA 6020B
	Copper	100	105	105	ug/L	EPA 6020B
	Lead	100	102	102	ug/L	EPA 6020B
	Manganese	100	103	103	ug/L	EPA 6020B
	Vanadium	100	102	102	ug/L	EPA 6020B
	Zinc	100	102	102	ug/L	EPA 6020B
1A14033-CCV3	Arsenic	100	110	110	ug/L	EPA 6020B
	Cadmium	100	102	102	ug/L	EPA 6020B
	Chromium	100	106	106	ug/L	EPA 6020B
	Lead	100	101	101	ug/L	EPA 6020B
	Manganese	100	109	109	ug/L	EPA 6020B
	Vanadium	100	109	109	ug/L	EPA 6020B
	Zinc	100	109	109	ug/L	EPA 6020B
1A14033-CCV4	Arsenic	100	101	101	ug/L	EPA 6020B
	Cadmium	100	97.4	97	ug/L	EPA 6020B
	Chromium	100	101	101	ug/L	EPA 6020B
	Copper	100	107	107	ug/L	EPA 6020B
	Lead	100	98.8	99	ug/L	EPA 6020B
	Manganese	100	103	103	ug/L	EPA 6020B
	Vanadium	100	104	104	ug/L	EPA 6020B
	Zinc	100	103	103	ug/L	EPA 6020B
1A14033-CCV5	Arsenic	100	102	102	ug/L	EPA 6020B
	Cadmium	100	96.6	97	ug/L	EPA 6020B
	Chromium	100	103	103	ug/L	EPA 6020B
	Copper	100	108	108	ug/L	EPA 6020B
	Lead	100	101	101	ug/L	EPA 6020B
	Manganese	100	105	105	ug/L	EPA 6020B
	Vanadium	100	106	106	ug/L	EPA 6020B

INITIAL AND CONTINUING CALIBRATION CHECK

EPA 6020B

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Instrument ID: ICPMS5
Calibration: UNASSIGNED
Control Limt: +/- 10.00%
Sequence: 1A14033

Lab Sample ID	Analyte	True	Found	%R	Units	Method
1A14033-CCV5	Zinc	100	102	102	ug/L	EPA 6020B
1A14033-CCV6	Arsenic	100	102	102	ug/L	EPA 6020B
	Cadmium	100	96.6	97	ug/L	EPA 6020B
	Chromium	100	102	102	ug/L	EPA 6020B
	Copper	100	107	107	ug/L	EPA 6020B
	Lead	100	101	101	ug/L	EPA 6020B
	Manganese	100	104	104	ug/L	EPA 6020B
	Vanadium	100	105	105	ug/L	EPA 6020B
	Zinc	100	103	103	ug/L	EPA 6020B
1A14033-CCV7	Arsenic	100	101	101	ug/L	EPA 6020B
	Cadmium	100	99.0	99	ug/L	EPA 6020B
	Chromium	100	102	102	ug/L	EPA 6020B
	Copper	100	106	106	ug/L	EPA 6020B
	Lead	100	101	101	ug/L	EPA 6020B
	Manganese	100	105	105	ug/L	EPA 6020B
	Vanadium	100	104	104	ug/L	EPA 6020B
	Zinc	100	104	104	ug/L	EPA 6020B
1A14033-CCV8	Arsenic	100	99.7	100	ug/L	EPA 6020B
	Cadmium	100	100	100	ug/L	EPA 6020B
	Chromium	100	98.9	99	ug/L	EPA 6020B
	Copper	100	104	104	ug/L	EPA 6020B
	Lead	100	103	103	ug/L	EPA 6020B
	Manganese	100	104	104	ug/L	EPA 6020B
	Vanadium	100	100	100	ug/L	EPA 6020B
	Zinc	100	103	103	ug/L	EPA 6020B

* Values outside of QC limits

INSTRUMENT BLANKS
EPA 6020B

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Instrument ID: ICPMS5
Project: US Moorings -- C2, C3, C4
Sequence: 1A14033
Calibration: UNASSIGNED

Lab Sample ID	Analyte	Found	RL	Units	C	Method
1A14033-ICB1	Lead	ND	0.100 (Inst)	ug/L		EPA 6020B
	Manganese	ND	0.500 (Inst)	ug/L		EPA 6020B
	Arsenic	ND	0.500 (Inst)	ug/L		EPA 6020B
	Cadmium	ND	0.100 (Inst)	ug/L		EPA 6020B
	Chromium	ND	0.500 (Inst)	ug/L		EPA 6020B
	Copper	ND	1.00 (Inst)	ug/L		EPA 6020B
	Vanadium	ND	1.00 (Inst)	ug/L		EPA 6020B
	Zinc	ND	2.00 (Inst)	ug/L		EPA 6020B
1A14033-CCB1	Lead	ND	0.100 (Inst)	ug/L		EPA 6020B
	Manganese	ND	0.500 (Inst)	ug/L		EPA 6020B
	Arsenic	ND	0.500 (Inst)	ug/L		EPA 6020B
	Cadmium	ND	0.100 (Inst)	ug/L		EPA 6020B
	Chromium	ND	0.500 (Inst)	ug/L		EPA 6020B
	Copper	ND	1.00 (Inst)	ug/L		EPA 6020B
	Zinc	ND	2.00 (Inst)	ug/L		EPA 6020B
	Vanadium	ND	1.00 (Inst)	ug/L		EPA 6020B
1A14033-CCB2	Zinc	ND	2.00 (Inst)	ug/L		EPA 6020B
	Lead	ND	0.100 (Inst)	ug/L		EPA 6020B
	Manganese	ND	0.500 (Inst)	ug/L		EPA 6020B
	Arsenic	ND	0.500 (Inst)	ug/L		EPA 6020B
	Cadmium	ND	0.100 (Inst)	ug/L		EPA 6020B
	Chromium	ND	0.500 (Inst)	ug/L		EPA 6020B
	Copper	ND	1.00 (Inst)	ug/L		EPA 6020B
	Vanadium	ND	1.00 (Inst)	ug/L		EPA 6020B
1A14033-CCB3	Arsenic	ND	0.500 (Inst)	ug/L		EPA 6020B
	Cadmium	ND	0.100 (Inst)	ug/L		EPA 6020B
	Chromium	ND	0.500 (Inst)	ug/L		EPA 6020B
	Copper	ND	1.00 (Inst)	ug/L		EPA 6020B
	Lead	ND	0.100 (Inst)	ug/L		EPA 6020B
	Zinc	ND	2.00 (Inst)	ug/L		EPA 6020B
	Vanadium	ND	1.00 (Inst)	ug/L		EPA 6020B
	Manganese	ND	0.500 (Inst)	ug/L		EPA 6020B
1A14033-CCB4	Lead	ND	0.100 (Inst)	ug/L		EPA 6020B

INSTRUMENT BLANKS
EPA 6020B

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Instrument ID: ICPMS5
Project: US Moorings -- C2, C3, C4
Sequence: 1A14033
Calibration: UNASSIGNED

Lab Sample ID	Analyte	Found	RL	Units	C	Method
1A14033-CCB4	Zinc	ND	2.00 (Inst)	ug/L		EPA 6020B
	Manganese	ND	0.500 (Inst)	ug/L		EPA 6020B
	Arsenic	ND	0.500 (Inst)	ug/L		EPA 6020B
	Cadmium	ND	0.100 (Inst)	ug/L		EPA 6020B
	Chromium	ND	0.500 (Inst)	ug/L		EPA 6020B
	Copper	ND	1.00 (Inst)	ug/L		EPA 6020B
	Vanadium	ND	1.00 (Inst)	ug/L		EPA 6020B
1A14033-CCB5	Lead	ND	0.100 (Inst)	ug/L		EPA 6020B
	Manganese	ND	0.500 (Inst)	ug/L		EPA 6020B
	Arsenic	ND	0.500 (Inst)	ug/L		EPA 6020B
	Cadmium	ND	0.100 (Inst)	ug/L		EPA 6020B
	Chromium	ND	0.500 (Inst)	ug/L		EPA 6020B
	Copper	ND	1.00 (Inst)	ug/L		EPA 6020B
	Zinc	ND	2.00 (Inst)	ug/L		EPA 6020B
	Vanadium	ND	1.00 (Inst)	ug/L		EPA 6020B
1A14033-CCB6	Zinc	ND	2.00 (Inst)	ug/L		EPA 6020B
	Lead	ND	0.100 (Inst)	ug/L		EPA 6020B
	Manganese	ND	0.500 (Inst)	ug/L		EPA 6020B
	Arsenic	ND	0.500 (Inst)	ug/L		EPA 6020B
	Cadmium	ND	0.100 (Inst)	ug/L		EPA 6020B
	Chromium	ND	0.500 (Inst)	ug/L		EPA 6020B
	Copper	ND	1.00 (Inst)	ug/L		EPA 6020B
	Vanadium	ND	1.00 (Inst)	ug/L		EPA 6020B
1A14033-CCB7	Arsenic	ND	0.500 (Inst)	ug/L		EPA 6020B
	Cadmium	ND	0.100 (Inst)	ug/L		EPA 6020B
	Chromium	ND	0.500 (Inst)	ug/L		EPA 6020B
	Copper	ND	1.00 (Inst)	ug/L		EPA 6020B
	Lead	ND	0.100 (Inst)	ug/L		EPA 6020B
	Zinc	ND	2.00 (Inst)	ug/L		EPA 6020B
	Vanadium	ND	1.00 (Inst)	ug/L		EPA 6020B
	Manganese	ND	0.500 (Inst)	ug/L		EPA 6020B

(Inst) indicates on-Instrument Result and Reporting Level. Used for non-digested Instrument Blanks.

HOLDING TIME SUMMARY

EPA 6020B

Laboratory: Apex Laboratories SDG: A0K0482

Client: Anchor QEA, LLC Project: US Moorings -- C2, C3, C4

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
USMPDI-003SC-B-00-02-201110	11/10/20 11:55	11/11/20 13:30	01/13/21 14:49	64.12	180.00	01/14/21 13:46	65.08	180.00	
USMPDI-003SC-B-02-04-201110	11/10/20 11:55	11/11/20 13:30	01/13/21 14:49	64.12	180.00	01/14/21 13:51	65.08	180.00	
USMPDI-003SC-B-04-06-201110	11/10/20 11:55	11/11/20 13:30	01/13/21 14:49	64.12	180.00	01/14/21 13:57	65.09	180.00	
USMPDI-003SC-B-06-08-201110	11/10/20 11:55	11/11/20 13:30	01/13/21 14:49	64.12	180.00	01/14/21 14:02	65.09	180.00	
USMPDI-006SC-D-00-02-201110	11/10/20 09:05	11/11/20 13:30	01/13/21 14:49	64.24	180.00	01/14/21 14:07	65.21	180.00	
USMPDI-006SC-D-02-04-201110	11/10/20 09:05	11/11/20 13:30	01/13/21 14:49	64.24	180.00	01/14/21 14:13	65.21	180.00	
USMPDI-006SC-D-04-06-201110	11/10/20 09:05	11/11/20 13:30	01/13/21 14:49	64.24	180.00	01/14/21 14:18	65.22	180.00	
USMPDI-006SC-D-06-08-201110	11/10/20 09:05	11/11/20 13:30	01/13/21 14:49	64.24	180.00	01/14/21 14:23	65.22	180.00	
USMPDI-006SC-D-08-10-201110	11/10/20 09:05	11/11/20 13:30	01/13/21 14:49	64.24	180.00	01/14/21 14:43	65.24	180.00	
USMPDI-006SC-D-10-12-201110	11/10/20 09:05	11/11/20 13:30	01/13/21 14:49	64.24	180.00	01/14/21 14:48	65.24	180.00	
USMPDI-006SC-D-12-14-201110	11/10/20 09:05	11/11/20 13:30	01/13/21 14:49	64.24	180.00	01/14/21 14:53	65.24	180.00	
USMPDI-1006SC-D-10-12-201110	11/10/20 09:05	11/11/20 13:30	01/13/21 14:49	64.24	180.00	01/14/21 15:08	65.25	180.00	

Apex Laboratories

SDG: A0K0482

CLASS: WET

METHOD: D7511-12

ANALYSES DATA PACKAGE COVER PAGE

D7511-12

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4

Client Sample Id:	Lab Sample Id:	Matrix
USMPDI-003SC-B-00-02-201110	A0K0482-07	SE
USMPDI-003SC-B-02-04-201110	A0K0482-08	SE
USMPDI-003SC-B-04-06-201110	A0K0482-09	SE
USMPDI-003SC-B-06-08-201110	A0K0482-10	SE
USMPDI-006SC-D-00-02-201110	A0K0482-15	SE
USMPDI-006SC-D-02-04-201110	A0K0482-16	SE
USMPDI-006SC-D-04-06-201110	A0K0482-17	SE
USMPDI-006SC-D-06-08-201110	A0K0482-18	SE
USMPDI-006SC-D-08-10-201110	A0K0482-19	SE
USMPDI-006SC-D-10-12-201110	A0K0482-20	SE
USMPDI-006SC-D-12-14-201110	A0K0482-21	SE
USMPDI-1006SC-D-10-12-201110	A0K0482-22	SE

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in computer-readable data submitted on diskette has been autorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures.

Signature: 
Name: David G. Jack

Forms Created: 2/3/2021 11:44AM
Title: Technical Manager

METHOD DETECTION AND REPORTING LIMITS

D7511-12

Laboratory: Apex Laboratories **SDG:** A0K0482

Client: Anchor QEA, LLC **Project:** US Moorings -- C2, C3, C4

Batch Matrix: Soil

Analyte	MDL	MRL	Units
Total Cyanide	0.0500	0.100	mg/kg

Note: MDLs are listed only if the corresponding analyte was evalutated to the MDL in this report .

INORGANIC ANALYSIS DATA SHEET

D7511-12

USMPDI-003SC-B-00-02-201110

Laboratory: Apex Laboratories | SDG: A0K0482

Client: Anchor QEA, LLC | Project: US Moorings -- C2, C3, C4

Matrix: SE | Laboratory ID: A0K0482-07 | File ID: 0K17043-231

Sampled: 11/10/20 11:55 | Prepared: 11/13/20 16:38 | Analyzed: 11/17/20 19:10

Solids: N/A | Preparation: ASTM D7511-12mod (S) | Initial/Final: 2.542 g / 50 mL

Batch: 0110510 | Sequence: 0K17043 | Calibration: A0K1702 | Instrument: OIA FS3000-2

CAS NO.	Analyte	Concentration (mg/kg wet)	Dilution Factor	Q	Method
57-12-5	Total Cyanide	1.15	2	D	D7511-12

INORGANIC ANALYSIS DATA SHEET

D7511-12

USMPDI-003SC-B-02-04-201110

Laboratory: Apex Laboratories | SDG: A0K0482

Client: Anchor QEA, LLC | Project: US Moorings -- C2, C3, C4

Matrix: SE | Laboratory ID: A0K0482-08 | File ID: 0K17043-233

Sampled: 11/10/20 11:55 | Prepared: 11/13/20 16:38 | Analyzed: 11/17/20 19:14

Solids: 78.77 | Preparation: ASTM D7511-12mod (S) | Initial/Final: 2.5779 g / 50 mL

Batch: 0110510 | Sequence: 0K17043 | Calibration: A0K1702 | Instrument: OIA FS3000-2

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	Method
57-12-5	Total Cyanide	0.0616	1	U	D7511-12

INORGANIC ANALYSIS DATA SHEET

D7511-12

USMPDI-003SC-B-04-06-201110

Laboratory: Apex Laboratories | SDG: A0K0482

Client: Anchor QEA, LLC | Project: US Moorings -- C2, C3, C4

Matrix: SE | Laboratory ID: A0K0482-09 | File ID: 0K14002B-026

Sampled: 11/10/20 11:55 | Prepared: 11/14/20 08:42 | Analyzed: 11/14/20 12:07

Solids: 78.61 | Preparation: ASTM D7511-12mod (S) | Initial/Final: 2.5331 g / 50 mL

Batch: 0110520 | Sequence: 0K14002 | Calibration: A0K1401 | Instrument: OIA FS3000-2

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	Method
57-12-5	Total Cyanide	0.0628	1	U	D7511-12

INORGANIC ANALYSIS DATA SHEET

D7511-12

USMPDI-003SC-B-06-08-201110

Laboratory: Apex Laboratories | SDG: A0K0482

Client: Anchor QEA, LLC | Project: US Moorings -- C2, C3, C4

Matrix: SE | Laboratory ID: A0K0482-10 | File ID: 0K14002B-027

Sampled: 11/10/20 11:55 | Prepared: 11/14/20 08:42 | Analyzed: 11/14/20 12:10

Solids: 83.31 | Preparation: ASTM D7511-12mod (S) | Initial/Final: 2.5309 g / 50 mL

Batch: 0110520 | Sequence: 0K14002 | Calibration: A0K1401 | Instrument: OIA FS3000-2

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	Method
57-12-5	Total Cyanide	0.0593	1	U	D7511-12

INORGANIC ANALYSIS DATA SHEET

D7511-12

USMPDI-006SC-D-00-02-201110

Laboratory: Apex Laboratories | SDG: A0K0482

Client: Anchor QEA, LLC | Project: US Moorings -- C2, C3, C4

Matrix: SE | Laboratory ID: A0K0482-15RE1 | File ID: 0K14002B-045

Sampled: 11/10/20 09:05 | Prepared: 11/14/20 08:42 | Analyzed: 11/14/20 13:04

Solids: 56.97 | Preparation: ASTM D7511-12mod (S) | Initial/Final: 2.5202 g / 50 mL

Batch: 0110520 | Sequence: 0K14002 | Calibration: A0K1401 | Instrument: OIA FS3000-2

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	Method
57-12-5	Total Cyanide	1.64	2	D	D7511-12

INORGANIC ANALYSIS DATA SHEET

D7511-12

USMPDI-006SC-D-02-04-201110

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Matrix: SE
Laboratory ID: A0K0482-16
File ID: 0K14002B-030
Sampled: 11/10/20 09:05
Prepared: 11/14/20 08:42
Analyzed: 11/14/20 12:16
Solids: 77.04
Preparation: ASTM D7511-12mod (S)
Initial/Final: 2.5338 g / 50 mL
Batch: 0110520
Sequence: 0K14002
Calibration: A0K1401
Instrument: OIA FS3000-2

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	Method
57-12-5	Total Cyanide	0.183	1		D7511-12

INORGANIC ANALYSIS DATA SHEET

D7511-12

USMPDI-006SC-D-04-06-201110

Laboratory: Apex Laboratories | SDG: A0K0482

Client: Anchor QEA, LLC | Project: US Moorings -- C2, C3, C4

Matrix: SE | Laboratory ID: A0K0482-17 | File ID: 0K14002B-031

Sampled: 11/10/20 09:05 | Prepared: 11/14/20 08:42 | Analyzed: 11/14/20 12:18

Solids: 81.62 | Preparation: ASTM D7511-12mod (S) | Initial/Final: 2.5521 g / 50 mL

Batch: 0110520 | Sequence: 0K14002 | Calibration: A0K1401 | Instrument: OIA FS3000-2

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	Method
57-12-5	Total Cyanide	0.0600	1	U	D7511-12

INORGANIC ANALYSIS DATA SHEET

D7511-12

USMPDI-006SC-D-06-08-201110

Laboratory: Apex Laboratories | SDG: A0K0482

Client: Anchor QEA, LLC | Project: US Moorings -- C2, C3, C4

Matrix: SE | Laboratory ID: A0K0482-18 | File ID: 0K14002B-036

Sampled: 11/10/20 09:05 | Prepared: 11/14/20 08:42 | Analyzed: 11/14/20 12:28

Solids: 79.00 | Preparation: ASTM D7511-12mod (S) | Initial/Final: 2.5073 g / 50 mL

Batch: 0110520 | Sequence: 0K14002 | Calibration: A0K1401 | Instrument: OIA FS3000-2

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	Method
57-12-5	Total Cyanide	0.0657	1	J	D7511-12

INORGANIC ANALYSIS DATA SHEET

D7511-12

USMPDI-006SC-D-08-10-201110

Laboratory: Apex Laboratories | SDG: A0K0482

Client: Anchor QEA, LLC | Project: US Moorings -- C2, C3, C4

Matrix: SE | Laboratory ID: A0K0482-19 | File ID: 0K14002B-037

Sampled: 11/10/20 09:05 | Prepared: 11/14/20 08:42 | Analyzed: 11/14/20 12:30

Solids: 75.87 | Preparation: ASTM D7511-12mod (S) | Initial/Final: 2.5325 g / 50 mL

Batch: 0110520 | Sequence: 0K14002 | Calibration: A0K1401 | Instrument: OIA FS3000-2

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	Method
57-12-5	Total Cyanide	0.0651	1	U	D7511-12

INORGANIC ANALYSIS DATA SHEET

D7511-12

USMPDI-006SC-D-10-12-201110

Laboratory: Apex Laboratories | SDG: A0K0482

Client: Anchor QEA, LLC | Project: US Moorings -- C2, C3, C4

Matrix: SE | Laboratory ID: A0K0482-20 | File ID: 0K14002B-038

Sampled: 11/10/20 09:05 | Prepared: 11/14/20 08:42 | Analyzed: 11/14/20 12:32

Solids: 72.78 | Preparation: ASTM D7511-12mod (S) | Initial/Final: 2.5034 g / 50 mL

Batch: 0110520 | Sequence: 0K14002 | Calibration: A0K1401 | Instrument: OIA FS3000-2

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	Method
57-12-5	Total Cyanide	0.0686	1	U	D7511-12

INORGANIC ANALYSIS DATA SHEET

D7511-12

USMPDI-006SC-D-12-14-201110

Laboratory: Apex Laboratories SDG: A0K0482

Client: Anchor QEA, LLC Project: US Moorings -- C2, C3, C4

Matrix: SE Laboratory ID: A0K0482-21 File ID: 0K14002B-040

Sampled: 11/10/20 09:05 Prepared: 11/14/20 08:42 Analyzed: 11/14/20 12:36

Solids: 73.57 Preparation: ASTM D7511-12mod (S) Initial/Final: 2.5416 g / 50 mL

Batch: 0110520 Sequence: 0K14002 Calibration: A0K1401 Instrument: OIA FS3000-2

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	Method
57-12-5	Total Cyanide	0.0668	1	U	D7511-12

INORGANIC ANALYSIS DATA SHEET

D7511-12

USMPDI-1006SC-D-10-12-201110

Laboratory: Apex Laboratories | SDG: A0K0482

Client: Anchor QEA, LLC | Project: US Moorings -- C2, C3, C4

Matrix: SE | Laboratory ID: A0K0482-22 | File ID: 0K14002B-044

Sampled: 11/10/20 09:05 | Prepared: 11/14/20 08:42 | Analyzed: 11/14/20 12:44

Solids: 73.78 | Preparation: ASTM D7511-12mod (S) | Initial/Final: 2.5884 g / 50 mL

Batch: 0110520 | Sequence: 0K14002 | Calibration: A0K1401 | Instrument: OIA FS3000-2

CAS NO.	Analyte	Concentration (mg/kg dry)	Dilution Factor	Q	Method
57-12-5	Total Cyanide	0.0655	1	U	D7511-12

PREPARATION BATCH SUMMARY

D7511-12

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Batch: 0110510 Batch Matrix: Soil
Preparation: ASTM D7511-12mod (S)

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	0110510-BLK2	0K18047A-019	11/13/20 16:38	
LCS	0110510-BS2	0K18047A-020	11/13/20 16:38	
USMPDI-003SC-B-00-02-201110	A0K0482-07	0K17043-231	11/13/20 16:38	
USMPDI-003SC-B-02-04-201110	A0K0482-08	0K17043-233	11/13/20 16:38	

Note: Client samples are listed only if they are included in this report.
Duplicates and Matrix Spike/Duplicates QC Samples are only listed if sourced from a sample included in this report.

PREPARATION BATCH SUMMARY

D7511-12

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Batch: 0110520 Batch Matrix: Soil
Preparation: ASTM D7511-12mod (S)

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	0110520-BLK1	0K14002B-019	11/14/20 08:42	
LCS	0110520-BS1	0K14002B-020	11/14/20 08:42	
USMPDI-006SC-D-12-14-201110 (M	0110520-MS2	0K14002B-041	11/14/20 08:42	
USMPDI-006SC-D-12-14-201110 (M	0110520-MSD2	0K14002B-042	11/14/20 08:42	
USMPDI-003SC-B-04-06-201110	A0K0482-09	0K14002B-026	11/14/20 08:42	
USMPDI-003SC-B-06-08-201110	A0K0482-10	0K14002B-027	11/14/20 08:42	
USMPDI-006SC-D-00-02-201110	A0K0482-15RE1	0K14002B-045	11/14/20 08:42	
USMPDI-006SC-D-02-04-201110	A0K0482-16	0K14002B-030	11/14/20 08:42	
USMPDI-006SC-D-04-06-201110	A0K0482-17	0K14002B-031	11/14/20 08:42	
USMPDI-006SC-D-06-08-201110	A0K0482-18	0K14002B-036	11/14/20 08:42	
USMPDI-006SC-D-08-10-201110	A0K0482-19	0K14002B-037	11/14/20 08:42	
USMPDI-006SC-D-10-12-201110	A0K0482-20	0K14002B-038	11/14/20 08:42	
USMPDI-006SC-D-12-14-201110	A0K0482-21	0K14002B-040	11/14/20 08:42	
USMPDI-1006SC-D-10-12-201110	A0K0482-22	0K14002B-044	11/14/20 08:42	

Note: Client samples are listed only if they are included in this report.
Duplicates and Matrix Spike/Duplicates QC Samples are only listed if sourced from a sample included in this report.

METHOD BLANK DATA SHEET
D7511-12

Laboratory:	Apex Laboratories			SDG:	A0K0482
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	Soil	Laboratory ID:	0110510-BLK2	File ID:	0K18047A-019
Prepared:	11/13/20 16:38	Preparation:	ASTM D7511-12mod (S)	Initial/Final:	2.5 g / 50 mL
Analyzed:	11/18/20 11:50	Instrument:	OIA FS3000-2		
Batch:	0110510	Sequence:	0K18047	Calibration:	A1B0207

CAS NO.	COMPOUND	CONC. (mg/kg wet)	Q
57-12-5	Total Cyanide	0.0500	U

METHOD BLANK DATA SHEET
D7511-12

Laboratory:	Apex Laboratories			SDG:	A0K0482
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	Soil	Laboratory ID:	0110520-BLK1	File ID:	0K14002B-019
Prepared:	11/14/20 08:42	Preparation:	ASTM D7511-12mod (S)	Initial/Final:	2.5 g / 50 mL
Analyzed:	11/14/20 11:53	Instrument:	OIA FS3000-2		
Batch:	0110520	Sequence:	0K14002	Calibration:	A0K1401

CAS NO.	COMPOUND	CONC. (mg/kg wet)	Q
57-12-5	Total Cyanide	0.0500	U

LCS / LCS DUPLICATE RECOVERY

D7511-12

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Matrix:	Soil		
Batch:	0110510	Laboratory ID:	0110510-BS2
Preparation:	ASTM D7511-12mod (S)	Initial/Final:	2.5 g / 50 mL

COMPOUND	SPIKE ADDED (mg/kg wet)	LCS CONCENTRATION (mg/kg wet)	LCS % REC. (*=Out)	QC LIMITS REC.
Total Cyanide	0.400	0.443	111	84 - 116

* = Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

D7511-12

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Matrix:	Soil		
Batch:	0110520	Laboratory ID:	0110520-BS1
Preparation:	ASTM D7511-12mod (S)	Initial/Final:	2.5 g / 50 mL

COMPOUND	SPIKE ADDED (mg/kg wet)	LCS CONCENTRATION (mg/kg wet)	LCS % REC. (*=Out)	QC LIMITS REC.
Total Cyanide	0.400	0.435	109	84 - 116

* = Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

D7511-12

USMPDI-006SC-D-12-14-201110

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Matrix:	Soil		
Batch:	0110520	Laboratory ID:	0110520-MS2
Preparation:	ASTM D7511-12mod (S)	Initial/Final:	2.591 g / 50 mL

Source Sample Name: USMPDI-006SC-D-12-14-201110

COMPOUND	SPIKE ADDED (mg/kg dry)	SAMPLE CONCENTRATION (mg/kg dry)	MS CONCENTRATION (mg/kg dry)	MS % REC. (*=Out)	QC LIMITS REC.
Total Cyanide	0.525	ND	0.452	86	64 - 136

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

D7511-12

USMPDI-006SC-D-12-14-201110

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Matrix:	Soil		
Batch:	0110520	Laboratory ID:	0110520-MSD2
Preparation:	ASTM D7511-12mod (S)	Initial/Final:	2.5155 g / 50 mL

Source Sample Name: USMPDI-006SC-D-12-14-201110

COMPOUND	SPIKE ADDED (mg/kg dry)	MSD CONCENTRATION (mg/kg dry)	MSD % RECOVERY	% RPD	QC LIMITS RPD	QC LIMITS REC.
Total Cyanide	0.540	0.476	88	5	47	64 - 136

ANALYSIS BATCH (SEQUENCE) SUMMARY

D7511-12

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	0K14002	Instrument:	OIA FS3000-2
Matrix:	Soil	Calibration:	A0K1401

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0K14002-CAL2	0K14002B-008	11/14/20 11:31
Cal Standard	0K14002-CAL3	0K14002B-009	11/14/20 11:33
Cal Standard	0K14002-CAL4	0K14002B-010	11/14/20 11:35
Cal Standard	0K14002-CAL5	0K14002B-011	11/14/20 11:37
Cal Standard	0K14002-CAL6	0K14002B-012	11/14/20 11:39
Cal Standard	0K14002-CAL7	0K14002B-013	11/14/20 11:41
Initial Cal Check	0K14002-ICV1	0K14002B-015	11/14/20 11:45
Initial Cal Blank	0K14002-ICB1	0K14002B-016	11/14/20 11:47
Blank	0110520-BLK1	0K14002B-019	11/14/20 11:53
LCS	0110520-BS1	0K14002B-020	11/14/20 11:55
USMPDI-003SC-B-04-06-201110	A0K0482-09	0K14002B-026	11/14/20 12:07
USMPDI-003SC-B-06-08-201110	A0K0482-10	0K14002B-027	11/14/20 12:10
USMPDI-006SC-D-02-04-201110	A0K0482-16	0K14002B-030	11/14/20 12:16
USMPDI-006SC-D-04-06-201110	A0K0482-17	0K14002B-031	11/14/20 12:18
Calibration Check	0K14002-CCV1	0K14002B-033	11/14/20 12:22
Calibration Blank	0K14002-CCB1	0K14002B-034	11/14/20 12:24
USMPDI-006SC-D-06-08-201110	A0K0482-18	0K14002B-036	11/14/20 12:28
USMPDI-006SC-D-08-10-201110	A0K0482-19	0K14002B-037	11/14/20 12:30
USMPDI-006SC-D-10-12-201110	A0K0482-20	0K14002B-038	11/14/20 12:32
USMPDI-006SC-D-12-14-201110	A0K0482-21	0K14002B-040	11/14/20 12:36
USMPDI-006SC-D-12-14-201110 (M	0110520-MS2	0K14002B-041	11/14/20 12:38
USMPDI-006SC-D-12-14-201110 (M	0110520-MSD2	0K14002B-042	11/14/20 12:40
USMPDI-1006SC-D-10-12-201110	A0K0482-22	0K14002B-044	11/14/20 12:44
USMPDI-006SC-D-00-02-201110	A0K0482-15RE1	0K14002B-045	11/14/20 13:04
Calibration Check	0K14002-CCV2	0K14002B-050	11/14/20 13:14
Calibration Blank	0K14002-CCB2	0K14002B-051	11/14/20 13:16
Calibration Check	0K14002-CCV3	0K14002B-066	11/14/20 13:47
Calibration Blank	0K14002-CCB3	0K14002B-067	11/14/20 13:49
Calibration Check	0K14002-CCV4	0K14002B-083	11/14/20 14:32
Calibration Blank	0K14002-CCB4	0K14002B-084	11/14/20 14:34
Calibration Check	0K14002-CCV5	0K14002B-100	11/14/20 15:17
Calibration Blank	0K14002-CCB5	0K14002B-101	11/14/20 15:19
Calibration Check	0K14002-CCV6	0K14002B-118	11/14/20 16:04

ANALYSIS BATCH (SEQUENCE) SUMMARY

D7511-12

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	0K14002	Instrument:	OIA FS3000-2
Matrix:	Soil	Calibration:	A0K1401

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Blank	0K14002-CCB6	0K14002B-119	11/14/20 16:06
Calibration Check	0K14002-CCV7	0K14002B-135	11/14/20 16:38
Calibration Blank	0K14002-CCB7	0K14002B-136	11/14/20 16:40
Calibration Check	0K14002-CCV8	0K14002B-144	11/14/20 17:08
Calibration Blank	0K14002-CCB8	0K14002B-145	11/14/20 17:10

Note: Client samples are listed only if they are included in this report.
Duplicates and Matrix Spike/Duplicates QC Samples are only listed if sourced from a sample included in this report.

ANALYSIS BATCH (SEQUENCE) SUMMARY

D7511-12

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	0K17043	Instrument:	OIA FS3000-2
Matrix:	Soil	Calibration:	A0K1702

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0K17043-CAL2	0K17043-008	11/17/20 10:13
Cal Standard	0K17043-CAL3	0K17043-009	11/17/20 10:15
Cal Standard	0K17043-CAL4	0K17043-010	11/17/20 10:17
Cal Standard	0K17043-CAL5	0K17043-011	11/17/20 10:19
Cal Standard	0K17043-CAL6	0K17043-012	11/17/20 10:21
Cal Standard	0K17043-CAL7	0K17043-013	11/17/20 10:23
Initial Cal Check	0K17043-ICV1	0K17043-015	11/17/20 10:27
Initial Cal Blank	0K17043-ICB1	0K17043-016	11/17/20 10:29
Calibration Check	0K17043-CCV1	0K17043-032	11/17/20 11:01
Calibration Blank	0K17043-CCB1	0K17043-033	11/17/20 11:03
Calibration Check	0K17043-CCV2	0K17043-049	11/17/20 11:35
Calibration Blank	0K17043-CCB2	0K17043-050	11/17/20 11:37
Calibration Check	0K17043-CCV3	0K17043-066	11/17/20 12:20
Calibration Blank	0K17043-CCB3	0K17043-067	11/17/20 12:22
Calibration Check	0K17043-CCV4	0K17043-085	11/17/20 13:32
Calibration Blank	0K17043-CCB4	0K17043-086	11/17/20 13:34
Calibration Check	0K17043-CCV5	0K17043-102	11/17/20 14:06
Calibration Blank	0K17043-CCB5	0K17043-103	11/17/20 14:08
Calibration Check	0K17043-CCV6	0K17043-119	11/17/20 14:40
Calibration Blank	0K17043-CCB6	0K17043-120	11/17/20 14:42
Calibration Check	0K17043-CCV7	0K17043-136	11/17/20 15:25
Calibration Blank	0K17043-CCB7	0K17043-137	11/17/20 15:27
Calibration Check	0K17043-CCV8	0K17043-153	11/17/20 16:11
Calibration Blank	0K17043-CCB8	0K17043-154	11/17/20 16:13
Calibration Check	0K17043-CCV9	0K17043-170	11/17/20 16:45
Calibration Blank	0K17043-CCB9	0K17043-171	11/17/20 16:47
Calibration Check	0K17043-CCVA	0K17043-187	11/17/20 17:42
Calibration Blank	0K17043-CCBA	0K17043-188	11/17/20 17:44
Calibration Check	0K17043-CCVB	0K17043-209	11/17/20 18:26
Calibration Blank	0K17043-CCBB	0K17043-210	11/17/20 18:28
Calibration Check	0K17043-CCVC	0K17043-226	11/17/20 19:00
Calibration Blank	0K17043-CCBC	0K17043-227	11/17/20 19:02
USMPDI-003SC-B-00-02-201110	A0K0482-07	0K17043-231	11/17/20 19:10

ANALYSIS BATCH (SEQUENCE) SUMMARY

D7511-12

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	0K17043	Instrument:	OIA FS3000-2
Matrix:	Soil	Calibration:	A0K1702

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
USMPDI-003SC-B-02-04-201110	A0K0482-08	0K17043-233	11/17/20 19:14
Calibration Check	0K17043-CCVD	0K17043-243	11/17/20 19:45
Calibration Blank	0K17043-CCBD	0K17043-244	11/17/20 19:47
Calibration Check	0K17043-CCVE	0K17043-255	11/17/20 20:09
Calibration Blank	0K17043-CCBE	0K17043-256	11/17/20 20:11

Note: Client samples are listed only if they are included in this report.
Duplicates and Matrix Spike/Duplicates QC Samples are only listed if sourced from a sample included in this report.

ANALYSIS BATCH (SEQUENCE) SUMMARY

D7511-12

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	0K18047	Instrument:	OIA FS3000-2
Matrix:	Soil	Calibration:	A1B0207

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0K18047-CAL2	0K18047A-008	11/18/20 11:28
Cal Standard	0K18047-CAL3	0K18047A-009	11/18/20 11:30
Cal Standard	0K18047-CAL4	0K18047A-010	11/18/20 11:32
Cal Standard	0K18047-CAL5	0K18047A-011	11/18/20 11:34
Cal Standard	0K18047-CAL6	0K18047A-012	11/18/20 11:36
Cal Standard	0K18047-CAL7	0K18047A-013	11/18/20 11:38
Initial Cal Check	0K18047-ICV1	0K18047A-015	11/18/20 11:42
Initial Cal Blank	0K18047-ICB1	0K18047A-016	11/18/20 11:44
Blank	0110510-BLK2	0K18047A-019	11/18/20 11:50
LCS	0110510-BS2	0K18047A-020	11/18/20 11:52
Calibration Check	0K18047-CCV1	0K18047A-030	11/18/20 12:12
Calibration Blank	0K18047-CCB1	0K18047A-031	11/18/20 12:14
Calibration Check	0K18047-CCV2	0K18047A-035	11/18/20 12:33
Calibration Blank	0K18047-CCB2	0K18047A-036	11/18/20 12:35
Calibration Check	0K18047-CCV3	0K18047B-006	11/18/20 14:09
Calibration Blank	0K18047-CCB3	0K18047B-007	11/18/20 14:11
Calibration Check	0K18047-CCV4	0K18047B-011	11/18/20 14:19
Calibration Blank	0K18047-CCB4	0K18047B-012	11/18/20 14:21

Note: Client samples are listed only if they are included in this report.
Duplicates and Matrix Spike/Duplicates QC Samples are only listed if sourced from a sample included in this report.

INITIAL CALIBRATION DATA (Summary)

D7511-12

Laboratory: Apex Laboratories SDG: A0K0482

Client: Anchor QEA, LLC Project: US Moorings -- C2, C3, C4

Calibration: A0K1401 Date: 11/14/20 09:25 Instrument: OIA FS3000-2

Compound	Mean RF	FIT	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Total Cyanide	34641.82	Q **	36.98087				0.9995743		

Note: ** Quad COD may be incorrect if weighting (1/a) or (1/a2) used. Weighting not shown here. Please see instrument calibration printouts for validation.

INITIAL CALIBRATION DATA

D7511-12

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Calibration:	A0K1401	Instrument:	OIA FS3000-2
		Calibration Date:	11/14/20 09:25

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Total Cyanide	1	15054	2	24142.5	5	34642.2	10	40600	25	46901.88	50	46510.34

INITIAL CALIBRATION DATA (Summary)

D7511-12

Laboratory: Apex Laboratories SDG: A0K0482

Client: Anchor QEA, LLC Project: US Moorings -- C2, C3, C4

Calibration: A0K1702 Date: 11/17/20 09:49 Instrument: OIA FS3000-2

Compound	Mean RF	FIT	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Total Cyanide	35538.49	Q **	26.09617				0.9996492		

Note: ** Quad COD may be incorrect if weighting (1/a) or (1/a2) used. Weighting not shown here. Please see instrument calibration printouts for validation.

INITIAL CALIBRATION DATA

D7511-12

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Calibration:	A0K1702	Instrument:	OIA FS3000-2
		Calibration Date:	11/17/20 09:49

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Total Cyanide	1	24488	2	25424	5	32941.6	10	40791.8	25	44869.6	50	44715.94

INITIAL CALIBRATION DATA (Summary)

D7511-12

Laboratory: Apex Laboratories SDG: A0K0482

Client: Anchor QEA, LLC Project: US Moorings -- C2, C3, C4

Calibration: A1B0207 Date: 11/18/20 11:24 Instrument: OIA FS3000-2

Compound	Mean RF	FIT	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Total Cyanide	30589.24	Q **	50.0601				0.9997934		

Note: ** Quad COD may be incorrect if weighting (1/a) or (1/a2) used. Weighting not shown here. Please see instrument calibration printouts for validation.

INITIAL CALIBRATION DATA

D7511-12

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Calibration: A1B0207
Instrument: OIA FS3000-2
Calibration Date: 11/18/20 11:24

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Total Cyanide	1	6209	2	18535	5	32107.2	10	38255.3	25	43782.56	50	44646.38

INITIAL AND CONTINUING CALIBRATION CHECK

D7511-12

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Instrument ID: OIA FS3000-2
Calibration: A0K1401
Control Limt: +/- 10.00%
Sequence: 0K14002

Lab Sample ID	Analyte	True	Found	%R	Units	Method
0K14002-ICV1	Total Cyanide	25.0	24.6	99	ug/L	D7511-12
0K14002-CCV1	Total Cyanide	25.0	25.9	104	ug/L	D7511-12
0K14002-CCV2	Total Cyanide	25.0	25.4	102	ug/L	D7511-12
0K14002-CCV3	Total Cyanide	25.0	24.8	99	ug/L	D7511-12
0K14002-CCV4	Total Cyanide	25.0	22.9	91	ug/L	D7511-12
0K14002-CCV5	Total Cyanide	25.0	23.5	94	ug/L	D7511-12
0K14002-CCV6	Total Cyanide	25.0	24.4	98	ug/L	D7511-12
0K14002-CCV7	Total Cyanide	25.0	24.3	97	ug/L	D7511-12
0K14002-CCV8	Total Cyanide	25.0	25.0	100	ug/L	D7511-12

* Values outside of QC limits

INITIAL AND CONTINUING CALIBRATION CHECK

D7511-12

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Instrument ID: OIA FS3000-2
Calibration: A0K1702
Control Limt: +/- 10.00%
Sequence: 0K17043

Lab Sample ID	Analyte	True	Found	%R	Units	Method
0K17043-ICV1	Total Cyanide	25.0	24.4	97	ug/L	D7511-12
0K17043-CCV1	Total Cyanide	25.0	25.8	103	ug/L	D7511-12
0K17043-CCV2	Total Cyanide	25.0	25.8	103	ug/L	D7511-12
0K17043-CCV3	Total Cyanide	25.0	25.5	102	ug/L	D7511-12
0K17043-CCV4	Total Cyanide	25.0	25.4	101	ug/L	D7511-12
0K17043-CCV5	Total Cyanide	25.0	23.3	93	ug/L	D7511-12
0K17043-CCV6	Total Cyanide	25.0	24.9	99	ug/L	D7511-12
0K17043-CCV7	Total Cyanide	25.0	24.9	100	ug/L	D7511-12
0K17043-CCV8	Total Cyanide	25.0	25.9	103	ug/L	D7511-12
0K17043-CCV9	Total Cyanide	25.0	25.4	102	ug/L	D7511-12
0K17043-CCVA	Total Cyanide	25.0	26.6	106	ug/L	D7511-12
0K17043-CCVB	Total Cyanide	25.0	25.2	101	ug/L	D7511-12
0K17043-CCVC	Total Cyanide	25.0	25.8	103	ug/L	D7511-12
0K17043-CCVD	Total Cyanide	25.0	24.9	99	ug/L	D7511-12
0K17043-CCVE	Total Cyanide	25.0	24.7	99	ug/L	D7511-12

* Values outside of QC limits

INITIAL AND CONTINUING CALIBRATION CHECK

D7511-12

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Instrument ID: OIA FS3000-2
Calibration: A1B0207
Control Limt: +/- 10.00%
Sequence: 0K18047

Lab Sample ID	Analyte	True	Found	%R		Units	Method
0K18047-ICV1	Total Cyanide	25.0	23.6	94		ug/L	D7511-12
0K18047-CCV1	Total Cyanide	25.0	26.1	104		ug/L	D7511-12
0K18047-CCV2	Total Cyanide	25.0	28.0	112	*	ug/L	D7511-12
0K18047-CCV3	Total Cyanide	25.0	25.3	101		ug/L	D7511-12
0K18047-CCV4	Total Cyanide	25.0	24.8	99		ug/L	D7511-12

* Values outside of QC limits

INSTRUMENT BLANKS
D7511-12

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Instrument ID: OIA FS3000-2
Project: US Moorings -- C2, C3, C4
Sequence: 0K14002
Calibration: A0K1401

Lab Sample ID	Analyte	Found	RL	Units	C	Method
0K14002-ICB1	Total Cyanide	ND	2.50 (Inst)	ug/L		D7511-12
0K14002-CCB1	Total Cyanide	ND	2.50 (Inst)	ug/L		D7511-12
0K14002-CCB2	Total Cyanide	ND	2.50 (Inst)	ug/L		D7511-12
0K14002-CCB3	Total Cyanide	ND	2.50 (Inst)	ug/L		D7511-12
0K14002-CCB4	Total Cyanide	ND	2.50 (Inst)	ug/L		D7511-12
0K14002-CCB5	Total Cyanide	ND	2.50 (Inst)	ug/L		D7511-12
0K14002-CCB6	Total Cyanide	ND	2.50 (Inst)	ug/L		D7511-12
0K14002-CCB7	Total Cyanide	ND	2.50 (Inst)	ug/L		D7511-12
0K14002-CCB8	Total Cyanide	ND	2.50 (Inst)	ug/L		D7511-12

(Inst) indicates on-Instrument Result and Reporting Level. Used for non-digested Instrument Blanks.

INSTRUMENT BLANKS
D7511-12

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Instrument ID: OIA FS3000-2
Project: US Moorings -- C2, C3, C4
Sequence: 0K17043
Calibration: A0K1702

Lab Sample ID	Analyte	Found	RL	Units	C	Method
0K17043-ICB1	Total Cyanide	ND	2.50 (Inst)	ug/L		D7511-12
0K17043-CCB1	Total Cyanide	ND	2.50 (Inst)	ug/L		D7511-12
0K17043-CCB2	Total Cyanide	ND	2.50 (Inst)	ug/L		D7511-12
0K17043-CCB3	Total Cyanide	ND	2.50 (Inst)	ug/L		D7511-12
0K17043-CCB4	Total Cyanide	ND	2.50 (Inst)	ug/L		D7511-12
0K17043-CCB5	Total Cyanide	ND	2.50 (Inst)	ug/L		D7511-12
0K17043-CCB6	Total Cyanide	ND	2.50 (Inst)	ug/L		D7511-12
0K17043-CCB7	Total Cyanide	ND	2.50 (Inst)	ug/L		D7511-12
0K17043-CCB8	Total Cyanide	ND	2.50 (Inst)	ug/L		D7511-12
0K17043-CCB9	Total Cyanide	ND	2.50 (Inst)	ug/L		D7511-12
0K17043-CCBA	Total Cyanide	ND	2.50 (Inst)	ug/L		D7511-12
0K17043-CCBB	Total Cyanide	ND	2.50 (Inst)	ug/L		D7511-12
0K17043-CCBC	Total Cyanide	ND	2.50 (Inst)	ug/L		D7511-12
0K17043-CCBD	Total Cyanide	ND	2.50 (Inst)	ug/L		D7511-12
0K17043-CCBE	Total Cyanide	ND	2.50 (Inst)	ug/L		D7511-12

(Inst) indicates on-Instrument Result and Reporting Level. Used for non-digested Instrument Blanks.

INSTRUMENT BLANKS
D7511-12

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Instrument ID: OIA FS3000-2
Project: US Moorings -- C2, C3, C4
Sequence: 0K18047
Calibration: A1B0207

Lab Sample ID	Analyte	Found	RL	Units	C	Method
0K18047-ICB1	Total Cyanide	ND	2.50 (Inst)	ug/L		D7511-12
0K18047-CCB1	Total Cyanide	ND	2.50 (Inst)	ug/L		D7511-12
0K18047-CCB2	Total Cyanide	3.03	2.50 (Inst)	ug/L		D7511-12
0K18047-CCB3	Total Cyanide	ND	2.50 (Inst)	ug/L		D7511-12
0K18047-CCB4	Total Cyanide	ND	2.50 (Inst)	ug/L		D7511-12

(Inst) indicates on-Instrument Result and Reporting Level. Used for non-digested Instrument Blanks.

HOLDING TIME SUMMARY

D7511-12

Laboratory: Apex Laboratories SDG: A0K0482

Client: Anchor QEA, LLC Project: US Moorings -- C2, C3, C4

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
USMPDI-003SC-B-00-02-201110	11/10/20 11:55	11/11/20 13:30	11/13/20 16:38	3.20	14.00	11/17/20 19:10	7.30	14.00	
USMPDI-003SC-B-02-04-201110	11/10/20 11:55	11/11/20 13:30	11/13/20 16:38	3.20	14.00	11/17/20 19:14	7.30	14.00	
USMPDI-003SC-B-04-06-201110	11/10/20 11:55	11/11/20 13:30	11/14/20 08:42	3.87	14.00	11/14/20 12:07	4.01	14.00	
USMPDI-003SC-B-06-08-201110	11/10/20 11:55	11/11/20 13:30	11/14/20 08:42	3.87	14.00	11/14/20 12:10	4.01	14.00	
USMPDI-006SC-D-00-02-201110	11/10/20 09:05	11/11/20 13:30	11/14/20 08:42	3.98	14.00	11/14/20 13:04	4.17	14.00	
USMPDI-006SC-D-02-04-201110	11/10/20 09:05	11/11/20 13:30	11/14/20 08:42	3.98	14.00	11/14/20 12:16	4.13	14.00	
USMPDI-006SC-D-04-06-201110	11/10/20 09:05	11/11/20 13:30	11/14/20 08:42	3.98	14.00	11/14/20 12:18	4.13	14.00	
USMPDI-006SC-D-06-08-201110	11/10/20 09:05	11/11/20 13:30	11/14/20 08:42	3.98	14.00	11/14/20 12:28	4.14	14.00	
USMPDI-006SC-D-08-10-201110	11/10/20 09:05	11/11/20 13:30	11/14/20 08:42	3.98	14.00	11/14/20 12:30	4.14	14.00	
USMPDI-006SC-D-10-12-201110	11/10/20 09:05	11/11/20 13:30	11/14/20 08:42	3.98	14.00	11/14/20 12:32	4.14	14.00	
USMPDI-006SC-D-12-14-201110	11/10/20 09:05	11/11/20 13:30	11/14/20 08:42	3.98	14.00	11/14/20 12:36	4.15	14.00	
USMPDI-1006SC-D-10-12-2011 10	11/10/20 09:05	11/11/20 13:30	11/14/20 08:42	3.98	14.00	11/14/20 12:44	4.15	14.00	

Apex Laboratories

SDG: A0K0482

CLASS: WET

METHOD: PSEP_SM 5310B MOD

ANALYSES DATA PACKAGE COVER PAGE

PSEP_SM 5310B MOD

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4

Client Sample Id:	Lab Sample Id:	Matrix
USMPDI-003SC-A-01-02-201110	A0K0482-01	SE
USMPDI-003SC-A-02-03-201110	A0K0482-02	SE
USMPDI-003SC-A-03-04-201110	A0K0482-03	SE
USMPDI-003SC-A-04-05-201110	A0K0482-04	SE
USMPDI-1003SC-A-01-02-201110	A0K0482-05	SE
USMPDI-003SC-B-06-08-201110	A0K0482-10	SE
USMPDI-006SC-A-01-02-201110	A0K0482-11	SE
USMPDI-006SC-A-02-03-201110	A0K0482-12	SE
USMPDI-006SC-A-03-04-201110	A0K0482-13	SE
USMPDI-006SC-A-04-05-201110	A0K0482-14	SE
USMPDI-006SC-D-06-08-201110	A0K0482-18	SE
USMPDI-006SC-D-08-10-201110	A0K0482-19	SE
USMPDI-006SC-D-10-12-201110	A0K0482-20	SE
USMPDI-006SC-D-12-14-201110	A0K0482-21	SE
USMPDI-1006SC-D-10-12-201110	A0K0482-22	SE

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in computer-readable data submitted on diskette has been autorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures.

Signature: 
Name: David G. Jack

Forms Created: 2/3/2021 11:44AM
Title: Technical Manager

METHOD DETECTION AND REPORTING LIMITS

PSEP_SM 5310B MOD

Laboratory: Apex Laboratories **SDG:** A0K0482

Client: Anchor QEA, LLC **Project:** US Moorings -- C2, C3, C4

Batch Matrix: Soil

Analyte	MDL	MRL	Units
Total Organic Carbon	---	0.020	%

Note: MDLs are listed only if the corresponding analyte was evalutated to the MDL in this report .

INORGANIC ANALYSIS DATA SHEET

PSEP_SM 5310B MOD

USMPDI-003SC-A-01-02-201110

Laboratory: Apex Laboratories SDG: A0K0482

Client: Anchor QEA, LLC Project: US Moorings -- C2, C3, C4

Matrix: SE Laboratory ID: A0K0482-01 File ID: 1A06056-6

Sampled: 11/10/20 12:15 Prepared: 01/05/21 09:25 Analyzed: 01/06/21 16:18

Solids: 67.56 Preparation: PSEP-5310B TOC Initial/Final: 0.2 N/A / 0.2 N/A

Batch: 1012499 Sequence: 1A06056 Calibration: A0H1904 Instrument: TOC6

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	Q	Method
TOC	Total Organic Carbon	0.083	1		PSEP_SM 5310B MOD

INORGANIC ANALYSIS DATA SHEET

PSEP_SM 5310B MOD

USMPDI-003SC-A-02-03-201110

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Matrix: SE
Laboratory ID: A0K0482-02
File ID: 1A06056-7
Sampled: 11/10/20 12:15
Prepared: 01/05/21 09:25
Analyzed: 01/06/21 16:29
Solids: 78.85
Preparation: PSEP-5310B TOC
Initial/Final: 0.2 N/A / 0.2 N/A
Batch: 1012499
Sequence: 1A06056
Calibration: A0H1904
Instrument: TOC6

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	Q	Method
TOC	Total Organic Carbon	0.085	1		PSEP_SM 5310B MOD

INORGANIC ANALYSIS DATA SHEET

PSEP_SM 5310B MOD

USMPDI-003SC-A-03-04-201110

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Matrix: SE
Laboratory ID: A0K0482-03
File ID: 1A06056-8
Sampled: 11/10/20 12:15
Prepared: 01/05/21 09:25
Analyzed: 01/06/21 16:40
Solids: 83.81
Preparation: PSEP-5310B TOC
Initial/Final: 0.2 N/A / 0.2 N/A
Batch: 1012499
Sequence: 1A06056
Calibration: A0H1904
Instrument: TOC6

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	Q	Method
TOC	Total Organic Carbon	0.046	1		PSEP_SM 5310B MOD

INORGANIC ANALYSIS DATA SHEET

PSEP_SM 5310B MOD

USMPDI-003SC-A-04-05-201110

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Matrix: SE
Laboratory ID: A0K0482-04
File ID: 1A06056-11
Sampled: 11/10/20 12:15
Prepared: 01/05/21 09:25
Analyzed: 01/06/21 17:12
Solids: 76.80
Preparation: PSEP-5310B TOC
Initial/Final: 0.2 N/A / 0.2 N/A
Batch: 1012499
Sequence: 1A06056
Calibration: A0H1904
Instrument: TOC6

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	Q	Method
TOC	Total Organic Carbon	0.066	1		PSEP_SM 5310B MOD

INORGANIC ANALYSIS DATA SHEET

PSEP_SM 5310B MOD

USMPDI-1003SC-A-01-02-20111
0

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Matrix: SE
Laboratory ID: A0K0482-05
File ID: 1A06056-12
Sampled: 11/10/20 12:15
Prepared: 01/05/21 09:25
Analyzed: 01/06/21 17:23
Solids: 69.13
Preparation: PSEP-5310B TOC
Initial/Final: 0.2 N/A / 0.2 N/A
Batch: 1012499
Sequence: 1A06056
Calibration: A0H1904
Instrument: TOC6

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	Q	Method
TOC	Total Organic Carbon	0.082	1		PSEP_SM 5310B MOD

INORGANIC ANALYSIS DATA SHEET

PSEP_SM 5310B MOD

USMPDI-003SC-B-06-08-201110

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Matrix: SE
Laboratory ID: A0K0482-10
File ID: 1A06056-13
Sampled: 11/10/20 11:55
Prepared: 01/05/21 09:25
Analyzed: 01/06/21 17:34
Solids: 83.31
Preparation: PSEP-5310B TOC
Initial/Final: 0.2 N/A / 0.2 N/A
Batch: 1012499
Sequence: 1A06056
Calibration: A0H1904
Instrument: TOC6

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	Q	Method
TOC	Total Organic Carbon	0.047	1		PSEP_SM 5310B MOD

INORGANIC ANALYSIS DATA SHEET

PSEP_SM 5310B MOD

USMPDI-006SC-A-01-02-201110

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Matrix: SE
Laboratory ID: A0K0482-11
File ID: 1A06056-16
Sampled: 11/10/20 09:25
Prepared: 01/05/21 09:25
Analyzed: 01/06/21 18:06
Solids: 61.49
Preparation: PSEP-5310B TOC
Initial/Final: 0.2 N/A / 0.2 N/A
Batch: 1012499
Sequence: 1A06056
Calibration: A0H1904
Instrument: TOC6

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	Q	Method
TOC	Total Organic Carbon	1.1	1		PSEP_SM 5310B MOD

INORGANIC ANALYSIS DATA SHEET

PSEP_SM 5310B MOD

USMPDI-006SC-A-02-03-201110

Laboratory: Apex Laboratories SDG: A0K0482

Client: Anchor QEA, LLC Project: US Moorings -- C2, C3, C4

Matrix: SE Laboratory ID: A0K0482-12 File ID: 1A06056-17

Sampled: 11/10/20 09:25 Prepared: 01/05/21 09:25 Analyzed: 01/06/21 18:17

Solids: 69.17 Preparation: PSEP-5310B TOC Initial/Final: 0.2 N/A / 0.2 N/A

Batch: 1012499 Sequence: 1A06056 Calibration: A0H1904 Instrument: TOC6

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	Q	Method
TOC	Total Organic Carbon	0.25	1		PSEP_SM 5310B MOD

INORGANIC ANALYSIS DATA SHEET

PSEP_SM 5310B MOD

USMPDI-006SC-A-03-04-201110

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Matrix: SE
Laboratory ID: A0K0482-13
File ID: 1A06056-18
Sampled: 11/10/20 09:25
Prepared: 01/05/21 09:25
Analyzed: 01/06/21 18:28
Solids: 81.09
Preparation: PSEP-5310B TOC
Initial/Final: 0.2 N/A / 0.2 N/A
Batch: 1012499
Sequence: 1A06056
Calibration: A0H1904
Instrument: TOC6

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	Q	Method
TOC	Total Organic Carbon	0.069	1		PSEP_SM 5310B MOD

INORGANIC ANALYSIS DATA SHEET

PSEP_SM 5310B MOD

USMPDI-006SC-A-04-05-201110

Laboratory: Apex Laboratories SDG: A0K0482

Client: Anchor QEA, LLC Project: US Moorings -- C2, C3, C4

Matrix: SE Laboratory ID: A0K0482-14 File ID: 1A06056-19

Sampled: 11/10/20 09:25 Prepared: 01/05/21 09:25 Analyzed: 01/06/21 18:38

Solids: 83.20 Preparation: PSEP-5310B TOC Initial/Final: 0.2 N/A / 0.2 N/A

Batch: 1012499 Sequence: 1A06056 Calibration: A0H1904 Instrument: TOC6

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	Q	Method
TOC	Total Organic Carbon	0.26	1		PSEP_SM 5310B MOD

INORGANIC ANALYSIS DATA SHEET

PSEP_SM 5310B MOD

USMPDI-006SC-D-06-08-201110

Laboratory: Apex Laboratories SDG: A0K0482

Client: Anchor QEA, LLC Project: US Moorings -- C2, C3, C4

Matrix: SE Laboratory ID: A0K0482-18 File ID: 1A06056-20

Sampled: 11/10/20 09:05 Prepared: 01/05/21 09:25 Analyzed: 01/06/21 18:49

Solids: 79.00 Preparation: PSEP-5310B TOC Initial/Final: 0.2 N/A / 0.2 N/A

Batch: 1012499 Sequence: 1A06056 Calibration: A0H1904 Instrument: TOC6

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	Q	Method
TOC	Total Organic Carbon	0.047	1		PSEP_SM 5310B MOD

INORGANIC ANALYSIS DATA SHEET

PSEP_SM 5310B MOD

USMPDI-006SC-D-08-10-201110

Laboratory: Apex Laboratories SDG: A0K0482

Client: Anchor QEA, LLC Project: US Moorings -- C2, C3, C4

Matrix: SE Laboratory ID: A0K0482-19 File ID: 1A06056-21

Sampled: 11/10/20 09:05 Prepared: 01/05/21 09:25 Analyzed: 01/06/21 19:00

Solids: 75.87 Preparation: PSEP-5310B TOC Initial/Final: 0.2 N/A / 0.2 N/A

Batch: 1012499 Sequence: 1A06056 Calibration: A0H1904 Instrument: TOC6

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	Q	Method
TOC	Total Organic Carbon	1.5	1		PSEP_SM 5310B MOD

INORGANIC ANALYSIS DATA SHEET

PSEP_SM 5310B MOD

USMPDI-006SC-D-10-12-201110

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Matrix: SE
Laboratory ID: A0K0482-20
File ID: 1A06056-22
Sampled: 11/10/20 09:05
Prepared: 01/05/21 09:25
Analyzed: 01/06/21 19:11
Solids: 72.78
Preparation: PSEP-5310B TOC
Initial/Final: 0.2 N/A / 0.2 N/A
Batch: 1012499
Sequence: 1A06056
Calibration: A0H1904
Instrument: TOC6

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	Q	Method
TOC	Total Organic Carbon	0.16	1		PSEP_SM 5310B MOD

INORGANIC ANALYSIS DATA SHEET

PSEP_SM 5310B MOD

USMPDI-006SC-D-12-14-201110

Laboratory: Apex Laboratories SDG: A0K0482

Client: Anchor QEA, LLC Project: US Moorings -- C2, C3, C4

Matrix: SE Laboratory ID: A0K0482-21 File ID: 1A06056-23

Sampled: 11/10/20 09:05 Prepared: 01/05/21 09:25 Analyzed: 01/06/21 19:22

Solids: 73.57 Preparation: PSEP-5310B TOC Initial/Final: 0.2 N/A / 0.2 N/A

Batch: 1012499 Sequence: 1A06056 Calibration: A0H1904 Instrument: TOC6

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	Q	Method
TOC	Total Organic Carbon	0.059	1		PSEP_SM 5310B MOD

INORGANIC ANALYSIS DATA SHEET

PSEP_SM 5310B MOD

USMPDI-1006SC-D-10-12-20111
0

Laboratory: Apex Laboratories SDG: A0K0482

Client: Anchor QEA, LLC Project: US Moorings -- C2, C3, C4

Matrix: SE Laboratory ID: A0K0482-22 File ID: 1A06056-25

Sampled: 11/10/20 09:05 Prepared: 01/05/21 09:25 Analyzed: 01/06/21 19:43

Solids: 73.78 Preparation: PSEP-5310B TOC Initial/Final: 0.2 N/A / 0.2 N/A

Batch: 1012499 Sequence: 1A06056 Calibration: A0H1904 Instrument: TOC6

CAS NO.	Analyte	Concentration (% dry)	Dilution Factor	Q	Method
TOC	Total Organic Carbon	0.14	1		PSEP_SM 5310B MOD

PREPARATION BATCH SUMMARY

PSEP_SM 5310B MOD

Laboratory: Apex Laboratories SDG: A0K0482

Client: Anchor QEA, LLC Project: US Moorings -- C2, C3, C4

Batch: 1012499 Batch Matrix: Soil Preparation: PSEP-5310B TOC

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
Blank	1012499-BLK1	1A06056-4	01/05/21 09:25	
LCS	1012499-BS1	1A06056-5	01/05/21 09:25	
USMPDI-003SC-A-03-04-201110 (I	1012499-DUP1	1A06056-9	01/05/21 09:25	
USMPDI-003SC-A-03-04-201110 (I	1012499-DUP2	1A06056-10	01/05/21 09:25	
USMPDI-006SC-D-12-14-201110 (I	1012499-DUP3	1A06056-24	01/05/21 09:25	
USMPDI-003SC-A-01-02-201110	A0K0482-01	1A06056-6	01/05/21 09:25	
USMPDI-003SC-A-02-03-201110	A0K0482-02	1A06056-7	01/05/21 09:25	
USMPDI-003SC-A-03-04-201110	A0K0482-03	1A06056-8	01/05/21 09:25	
USMPDI-003SC-A-04-05-201110	A0K0482-04	1A06056-11	01/05/21 09:25	
USMPDI-1003SC-A-01-02-201110	A0K0482-05	1A06056-12	01/05/21 09:25	
USMPDI-003SC-B-06-08-201110	A0K0482-10	1A06056-13	01/05/21 09:25	
USMPDI-006SC-A-01-02-201110	A0K0482-11	1A06056-16	01/05/21 09:25	
USMPDI-006SC-A-02-03-201110	A0K0482-12	1A06056-17	01/05/21 09:25	
USMPDI-006SC-A-03-04-201110	A0K0482-13	1A06056-18	01/05/21 09:25	
USMPDI-006SC-A-04-05-201110	A0K0482-14	1A06056-19	01/05/21 09:25	
USMPDI-006SC-D-06-08-201110	A0K0482-18	1A06056-20	01/05/21 09:25	
USMPDI-006SC-D-08-10-201110	A0K0482-19	1A06056-21	01/05/21 09:25	
USMPDI-006SC-D-10-12-201110	A0K0482-20	1A06056-22	01/05/21 09:25	
USMPDI-006SC-D-12-14-201110	A0K0482-21	1A06056-23	01/05/21 09:25	
USMPDI-1006SC-D-10-12-201110	A0K0482-22	1A06056-25	01/05/21 09:25	

Note: Client samples are listed only if they are included in this report.
Duplicates and Matrix Spike/Duplicates QC Samples are only listed if sourced from a sample included in this report.

METHOD BLANK DATA SHEET
PSEP_SM 5310B MOD

Laboratory:	Apex Laboratories			SDG:	A0K0482
Client:	Anchor QEA, LLC			Project:	US Moorings -- C2, C3, C4
Matrix:	Soil	Laboratory ID:	1012499-BLK1	File ID:	1A06056-4
Prepared:	01/05/21 09:25	Preparation:	PSEP-5310B TOC	Initial/Final:	0.2 N/A / 0.2 N/A
Analyzed:	01/06/21 15:57	Instrument:	TOC6		
Batch:	1012499	Sequence:	1A06056	Calibration:	A0H1904

CAS NO.	COMPOUND	CONC. (% wet)	Q
TOC	Total Organic Carbon	0.020	U

LCS / LCS DUPLICATE RECOVERY

PSEP_SM 5310B MOD

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Matrix:	Soil		
Batch:	1012499	Laboratory ID:	1012499-BS1
Preparation:	PSEP-5310B TOC	Initial/Final:	0.2 N/A / 0.2 N/A

COMPOUND	SPIKE ADDED (mg/kg)	LCS CONCENTRATION (mg/kg)	LCS % REC. (*=Out)	QC LIMITS REC.
Total Organic Carbon	10000	9000	90	88 - 111

* = Values outside of QC limits

DUPLICATES

PSEP_SM 5310B MOD

Laboratory: Apex Laboratories
Client: Anchor QEA, LLC
Matrix: Soil
Batch: 1012499
Preparation: PSEP-5310B TOC
Source Sample Name: USMPDI-003SC-A-03-04-201110

SDG: A0K0482
Project: US Moorings -- C2, C3, C4
Laboratory ID: 1012499-DUP1
Lab Source ID: A0K0482-03
Initial/Final: 0.2 N/A / 0.2 N/A
% Solids: 83.81

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (% dry)	C	DUPLICATE CONCENTRATION (% dry)	C	RPD %	Q	METHOD
Total Organic Carbon	27	0.046		0.045		2		PSEP_SM 5310B MOD

* Values outside of QC limits

DUPLICATES

USMPDI-003SC-A-03-04-201110

PSEP_SM 5310B MOD

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Matrix: Soil
Laboratory ID: 1012499-DUP2
Batch: 1012499
Lab Source ID: A0K0482-03
Preparation: PSEP-5310B TOC
Initial/Final: 0.2 N/A / 0.2 N/A
Source Sample Name: USMPDI-003SC-A-03-04-201110
% Solids: 83.81

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (% dry)	C	DUPLICATE CONCENTRATION (% dry)	C	RPD %	Q	METHOD
Total Organic Carbon	27	0.046		0.050		7		PSEP_SM 5310B MOD

* Values outside of QC limits

DUPLICATES

USMPDI-006SC-D-12-14-201110

PSEP_SM 5310B MOD

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Matrix: Soil
Laboratory ID: 1012499-DUP3
Batch: 1012499
Lab Source ID: A0K0482-21
Preparation: PSEP-5310B TOC
Initial/Final: 0.2 N/A / 0.2 N/A
Source Sample Name: USMPDI-006SC-D-12-14-201110
% Solids: 73.57

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (% dry)	C	DUPLICATE CONCENTRATION (% dry)	C	RPD %	Q	METHOD
Total Organic Carbon	27	0.059		0.10		55	*	PSEP_SM 5310B MOD

* Values outside of QC limits

ANALYSIS BATCH (SEQUENCE) SUMMARY

PSEP_SM 5310B MOD

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	0H18059	Instrument:	TOC6
Matrix:	Soil	Calibration:	A0H1904

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0H18059-CAL2	0H18059.txt-005	08/18/20 17:43
Cal Standard	0H18059-CAL3	0H18059.txt-006	08/18/20 17:53
Cal Standard	0H18059-CAL4	0H18059.txt-007	08/18/20 18:04
Cal Standard	0H18059-CAL5	0H18059.txt-008	08/18/20 18:15
Cal Standard	0H18059-CAL6	0H18059.txt-009	08/18/20 18:26
Cal Standard	0H18059-CAL7	0H18059.txt-010	08/18/20 18:37
Cal Standard	0H18059-CAL8	0H18059.txt-011	08/18/20 18:47
Cal Standard	0H18059-CAL9	0H18059.txt-012	08/18/20 18:58
Initial Cal Check	0H18059-ICV1	0H18059.txt-014	08/18/20 19:20
Initial Cal Blank	0H18059-ICB1	0H18059.txt-015	08/18/20 19:31

Note: Client samples are listed only if they are included in this report.
Duplicates and Matrix Spike/Duplicates QC Samples are only listed if sourced from a sample included in this report.

ANALYSIS BATCH (SEQUENCE) SUMMARY

PSEP_SM 5310B MOD

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Sequence:	1A06056	Instrument:	TOC6
Matrix:	Soil	Calibration:	A0H1904

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1A06056-CCV1	1A06056-2	01/06/21 15:35
Calibration Blank	1A06056-CCB1	1A06056-3	01/06/21 15:46
Blank	1012499-BLK1	1A06056-4	01/06/21 15:57
LCS	1012499-BS1	1A06056-5	01/06/21 16:07
USMPDI-003SC-A-01-02-201110	A0K0482-01	1A06056-6	01/06/21 16:18
USMPDI-003SC-A-02-03-201110	A0K0482-02	1A06056-7	01/06/21 16:29
USMPDI-003SC-A-03-04-201110	A0K0482-03	1A06056-8	01/06/21 16:40
USMPDI-003SC-A-03-04-201110 (D	1012499-DUP1	1A06056-9	01/06/21 16:50
USMPDI-003SC-A-03-04-201110 (D	1012499-DUP2	1A06056-10	01/06/21 17:01
USMPDI-003SC-A-04-05-201110	A0K0482-04	1A06056-11	01/06/21 17:12
USMPDI-1003SC-A-01-02-201110	A0K0482-05	1A06056-12	01/06/21 17:23
USMPDI-003SC-B-06-08-201110	A0K0482-10	1A06056-13	01/06/21 17:34
Calibration Check	1A06056-CCV2	1A06056-14	01/06/21 17:44
Calibration Blank	1A06056-CCB2	1A06056-15	01/06/21 17:55
USMPDI-006SC-A-01-02-201110	A0K0482-11	1A06056-16	01/06/21 18:06
USMPDI-006SC-A-02-03-201110	A0K0482-12	1A06056-17	01/06/21 18:17
USMPDI-006SC-A-03-04-201110	A0K0482-13	1A06056-18	01/06/21 18:28
USMPDI-006SC-A-04-05-201110	A0K0482-14	1A06056-19	01/06/21 18:38
USMPDI-006SC-D-06-08-201110	A0K0482-18	1A06056-20	01/06/21 18:49
USMPDI-006SC-D-08-10-201110	A0K0482-19	1A06056-21	01/06/21 19:00
USMPDI-006SC-D-10-12-201110	A0K0482-20	1A06056-22	01/06/21 19:11
USMPDI-006SC-D-12-14-201110	A0K0482-21	1A06056-23	01/06/21 19:22
USMPDI-006SC-D-12-14-201110 (D	1012499-DUP3	1A06056-24	01/06/21 19:32
USMPDI-1006SC-D-10-12-201110	A0K0482-22	1A06056-25	01/06/21 19:43
Calibration Check	1A06056-CCV3	1A06056-26	01/06/21 19:54
Calibration Blank	1A06056-CCB3	1A06056-27	01/06/21 20:05

Note: Client samples are listed only if they are included in this report.
Duplicates and Matrix Spike/Duplicates QC Samples are only listed if sourced from a sample included in this report.

INITIAL CALIBRATION DATA (Summary)

PSEP_SM 5310B MOD

Laboratory: Apex Laboratories SDG: A0K0482

Client: Anchor QEA, LLC Project: US Moorings -- C2, C3, C4

Calibration: A0H1904 Date: 08/19/20 16:15 Instrument: TOC6

Compound	Mean RF	FIT	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Total Organic Carbon	138.9486	Lin	5.543524			0.99974			

Note: ** Quad COD may be incorrect if weighting (1/a) or (1/a2) used. Weighting not shown here. Please see instrument calibration printouts for validation.

INITIAL CALIBRATION DATA

PSEP_SM 5310B MOD

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Calibration: A0H1904
Instrument: TOC6
Calibration Date: 08/19/20 16:15

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	mg/kg	RF	mg/kg	RF	mg/kg	RF	mg/kg	RF	mg/kg	RF	mg/kg	RF
Total Organic Carbon	200	152.6808	500	143.8895	1000	143.7313	2500	130.8668	5000	130.5313	12500	139.2529

INITIAL CALIBRATION DATA (Continued)

PSEP_SM 5310B MOD

Laboratory:	Apex Laboratories	SDG:	A0K0482
Client:	Anchor QEA, LLC	Project:	US Moorings -- C2, C3, C4
Calibration:	A0H1904	Instrument:	TOC6
Matrix:		Calibration Date:	08/19/20 16:15

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	mg/kg	RF	mg/kg	RF	mg/kg	RF	mg/kg	RF	mg/kg	RF	mg/kg	RF
Total Organic Carbon	25000	138.2198	50000	132.4167								

INITIAL AND CONTINUING CALIBRATION CHECK

PSEP_SM 5310B MOD

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Instrument ID: TOC6
Calibration: A0H1904
Control Limt: +/- 10.00%
Sequence: 0H18059

Lab Sample ID	Analyte	True	Found	%R	Units	Method
0H18059-ICV1	Total Organic Carbon	10000	9800	98	mg/kg	PSEP_SM 5310B MOD

* Values outside of QC limits

INITIAL AND CONTINUING CALIBRATION CHECK

PSEP_SM 5310B MOD

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Instrument ID: TOC6
Calibration: A0H1904
Control Limt: +/- 10.00%
Sequence: 1A06056

Lab Sample ID	Analyte	True	Found	%R	Units	Method
1A06056-CCV1	Total Organic Carbon	10000	9800	98	mg/kg	PSEP_SM 5310B MOD
1A06056-CCV2	Total Organic Carbon	10000	9000	90	mg/kg	PSEP_SM 5310B MOD
1A06056-CCV3	Total Organic Carbon	10000	9000	90	mg/kg	PSEP_SM 5310B MOD

* Values outside of QC limits

INSTRUMENT BLANKS
PSEP_SM 5310B MOD

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Instrument ID: TOC6
Project: US Moorings -- C2, C3, C4
Sequence: 0H18059
Calibration: A0H1904

Lab Sample ID	Analyte	Found	RL	Units	C	Method
0H18059-ICB1	Total Organic Carbon	ND	200 (Inst)	mg/kg		PSEP_SM 5310B MOD

(Inst) indicates on-Instrument Result and Reporting Level. Used for non-digested Instrument Blanks.

INSTRUMENT BLANKS
PSEP_SM 5310B MOD

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Instrument ID: TOC6
Project: US Moorings -- C2, C3, C4
Sequence: 1A06056
Calibration: A0H1904

Lab Sample ID	Analyte	Found	RL	Units	C	Method
1A06056-CCB1	Total Organic Carbon	ND	200 (Inst)	mg/kg		PSEP_SM 5310B MOD
1A06056-CCB2	Total Organic Carbon	ND	200 (Inst)	mg/kg		PSEP_SM 5310B MOD
1A06056-CCB3	Total Organic Carbon	ND	200 (Inst)	mg/kg		PSEP_SM 5310B MOD

(Inst) indicates on-Instrument Result and Reporting Level. Used for non-digested Instrument Blanks.

HOLDING TIME SUMMARY

PSEP_SM 5310B MOD

Laboratory: Apex Laboratories SDG: A0K0482

Client: Anchor QEA, LLC Project: US Moorings -- C2, C3, C4

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
USMPDI-003SC-A-01-02-201110	11/10/20 12:15	11/11/20 13:30	01/05/21 09:25	55.88	14.00	01/06/21 16:18	57.17	14.00	*
USMPDI-003SC-A-02-03-201110	11/10/20 12:15	11/11/20 13:30	01/05/21 09:25	55.88	14.00	01/06/21 16:29	57.18	14.00	*
USMPDI-003SC-A-03-04-201110	11/10/20 12:15	11/11/20 13:30	01/05/21 09:25	55.88	14.00	01/06/21 16:40	57.18	14.00	*
USMPDI-003SC-A-04-05-201110	11/10/20 12:15	11/11/20 13:30	01/05/21 09:25	55.88	14.00	01/06/21 17:12	57.21	14.00	*
USMPDI-1003SC-A-01-02-201110	11/10/20 12:15	11/11/20 13:30	01/05/21 09:25	55.88	14.00	01/06/21 17:23	57.21	14.00	*
USMPDI-003SC-B-06-08-201110	11/10/20 11:55	11/11/20 13:30	01/05/21 09:25	55.90	14.00	01/06/21 17:34	57.24	14.00	*
USMPDI-006SC-A-01-02-201110	11/10/20 09:25	11/11/20 13:30	01/05/21 09:25	56.00	14.00	01/06/21 18:06	57.36	14.00	*
USMPDI-006SC-A-02-03-201110	11/10/20 09:25	11/11/20 13:30	01/05/21 09:25	56.00	14.00	01/06/21 18:17	57.37	14.00	*
USMPDI-006SC-A-03-04-201110	11/10/20 09:25	11/11/20 13:30	01/05/21 09:25	56.00	14.00	01/06/21 18:28	57.38	14.00	*
USMPDI-006SC-A-04-05-201110	11/10/20 09:25	11/11/20 13:30	01/05/21 09:25	56.00	14.00	01/06/21 18:38	57.38	14.00	*
USMPDI-006SC-D-06-08-201110	11/10/20 09:05	11/11/20 13:30	01/05/21 09:25	56.01	14.00	01/06/21 18:49	57.41	14.00	*
USMPDI-006SC-D-08-10-201110	11/10/20 09:05	11/11/20 13:30	01/05/21 09:25	56.01	14.00	01/06/21 19:00	57.41	14.00	*
USMPDI-006SC-D-10-12-201110	11/10/20 09:05	11/11/20 13:30	01/05/21 09:25	56.01	14.00	01/06/21 19:11	57.42	14.00	*
USMPDI-006SC-D-12-14-201110	11/10/20 09:05	11/11/20 13:30	01/05/21 09:25	56.01	14.00	01/06/21 19:22	57.43	14.00	*
USMPDI-1006SC-D-10-12-201110	11/10/20 09:05	11/11/20 13:30	01/05/21 09:25	56.01	14.00	01/06/21 19:43	57.44	14.00	*

Apex Laboratories

SDG: A0K0482

CLASS: WET

METHOD: SM 2540 G

ANALYSES DATA PACKAGE COVER PAGE

SM 2540 G

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4

Client Sample Id:	Lab Sample Id:	Matrix
USMPDI-003SC-A-01-02-201110	A0K0482-01	SE
USMPDI-003SC-A-02-03-201110	A0K0482-02	SE
USMPDI-003SC-A-03-04-201110	A0K0482-03	SE
USMPDI-003SC-A-04-05-201110	A0K0482-04	SE
USMPDI-1003SC-A-01-02-201110	A0K0482-05	SE
USMPDI-003SC-B-00-02-201110	A0K0482-07	SE
USMPDI-003SC-B-02-04-201110	A0K0482-08	SE
USMPDI-003SC-B-04-06-201110	A0K0482-09	SE
USMPDI-003SC-B-06-08-201110	A0K0482-10	SE
USMPDI-006SC-A-01-02-201110	A0K0482-11	SE
USMPDI-006SC-A-02-03-201110	A0K0482-12	SE
USMPDI-006SC-A-03-04-201110	A0K0482-13	SE
USMPDI-006SC-A-04-05-201110	A0K0482-14	SE
USMPDI-006SC-D-00-02-201110	A0K0482-15	SE
USMPDI-006SC-D-02-04-201110	A0K0482-16	SE
USMPDI-006SC-D-04-06-201110	A0K0482-17	SE
USMPDI-006SC-D-06-08-201110	A0K0482-18	SE
USMPDI-006SC-D-08-10-201110	A0K0482-19	SE
USMPDI-006SC-D-10-12-201110	A0K0482-20	SE
USMPDI-006SC-D-12-14-201110	A0K0482-21	SE
USMPDI-1006SC-D-10-12-201110	A0K0482-22	SE

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in computer-readable data submitted on diskette has been autorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures.

Signature: 
Name: David G. Jack

Forms Created: 2/3/2021 11:44AM
Title: Technical Manager

METHOD DETECTION AND REPORTING LIMITS

SM 2540 G

Laboratory: Apex Laboratories **SDG:** A0K0482

Client: Anchor QEA, LLC **Project:** US Moorings -- C2, C3, C4

Batch Matrix: Sediment

Analyte	MDL	MRL	Units
Total Solids	---	1.00	%

Note: MDLs are listed only if the corresponding analyte was evalutated to the MDL in this report .

METHOD DETECTION AND REPORTING LIMITS

SM 2540 G

Laboratory: Apex Laboratories **SDG:** A0K0482

Client: Anchor QEA, LLC **Project:** US Moorings -- C2, C3, C4

Batch Matrix: Soil

Analyte	MDL	MRL	Units
Total Solids	---	1.00	%

Note: MDLs are listed only if the corresponding analyte was evalutated to the MDL in this report .

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

USMPDI-003SC-A-01-02-201110

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Matrix: SE
Laboratory ID: A0K0482-01
Sampled: 11/10/20 12:15
Prepared: 11/16/20 10:54
Analyzed: 11/18/20 19:08
Solids: 67.56
Preparation: Total Solids (SM2540G/PSEP)
Initial/Final: 1 N/A / 1 N/A
Batch: 0110543
Calibration:
Instrument: Wet Chem Balance 5

CAS NO.	Analyte	Concentration (%)	Dilution Factor	Q	Method
TS	Total Solids	67.6	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

USMPDI-003SC-A-02-03-201110

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Matrix: SE
Laboratory ID: A0K0482-02
Sampled: 11/10/20 12:15
Prepared: 11/16/20 10:54
Analyzed: 11/18/20 19:08
Solids: 78.85
Preparation: Total Solids (SM2540G/PSEP)
Initial/Final: 1 N/A / 1 N/A
Batch: 0110543
Calibration:
Instrument: Wet Chem Balance 5

CAS NO.	Analyte	Concentration (%)	Dilution Factor	Q	Method
TS	Total Solids	78.8	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

USMPDI-003SC-A-03-04-201110

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Matrix: SE
Laboratory ID: A0K0482-03
Sampled: 11/10/20 12:15
Prepared: 11/16/20 10:54
Analyzed: 11/18/20 19:08
Solids: 83.81
Preparation: Total Solids (SM2540G/PSEP)
Initial/Final: 1 N/A / 1 N/A
Batch: 0110543
Calibration:
Instrument: Wet Chem Balance 5

CAS NO.	Analyte	Concentration (%)	Dilution Factor	Q	Method
TS	Total Solids	83.8	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

USMPDI-003SC-A-04-05-201110

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Matrix: SE
Laboratory ID: A0K0482-04
Sampled: 11/10/20 12:15
Prepared: 11/16/20 10:54
Analyzed: 11/18/20 19:08
Solids: 76.80
Preparation: Total Solids (SM2540G/PSEP)
Initial/Final: 1 N/A / 1 N/A
Batch: 0110543
Calibration:
Instrument: Wet Chem Balance 5

CAS NO.	Analyte	Concentration (%)	Dilution Factor	Q	Method
TS	Total Solids	76.8	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

USMPDI-1003SC-A-01-02-20111
0

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Matrix: SE
Laboratory ID: A0K0482-05
Sampled: 11/10/20 12:15
Prepared: 11/16/20 10:54
Analyzed: 11/18/20 19:08
Solids: 69.13
Preparation: Total Solids (SM2540G/PSEP)
Initial/Final: 1 N/A / 1 N/A
Batch: 0110543
Calibration:
Instrument: Wet Chem Balance 5

CAS NO.	Analyte	Concentration (%)	Dilution Factor	Q	Method
TS	Total Solids	69.1	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

USMPDI-003SC-B-02-04-201110

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Matrix: SE
Laboratory ID: A0K0482-08
Sampled: 11/10/20 11:55
Prepared: 11/16/20 10:54
Analyzed: 11/18/20 19:08
Solids: 78.77
Preparation: Total Solids (SM2540G/PSEP)
Initial/Final: 1 N/A / 1 N/A
Batch: 0110543
Calibration:
Instrument: Wet Chem Balance 5

CAS NO.	Analyte	Concentration (%)	Dilution Factor	Q	Method
TS	Total Solids	78.8	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

USMPDI-003SC-B-04-06-201110

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Matrix: SE
Laboratory ID: A0K0482-09
Sampled: 11/10/20 11:55
Prepared: 11/16/20 10:54
Analyzed: 11/18/20 19:08
Solids: 78.61
Preparation: Total Solids (SM2540G/PSEP)
Initial/Final: 1 N/A / 1 N/A
Batch: 0110543
Calibration:
Instrument: Wet Chem Balance 5

CAS NO.	Analyte	Concentration (%)	Dilution Factor	Q	Method
TS	Total Solids	78.6	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

USMPDI-003SC-B-06-08-201110

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Matrix: SE
Laboratory ID: A0K0482-10
Sampled: 11/10/20 11:55
Prepared: 11/16/20 10:54
Analyzed: 11/18/20 19:08
Solids: 83.31
Preparation: Total Solids (SM2540G/PSEP)
Initial/Final: 1 N/A / 1 N/A
Batch: 0110543
Calibration:
Instrument: Wet Chem Balance 5

CAS NO.	Analyte	Concentration (%)	Dilution Factor	Q	Method
TS	Total Solids	83.3	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

USMPDI-006SC-A-01-02-201110

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Matrix: SE
Laboratory ID: A0K0482-11
Sampled: 11/10/20 09:25
Prepared: 11/16/20 10:54
Analyzed: 11/18/20 19:08
Solids: 61.49
Preparation: Total Solids (SM2540G/PSEP)
Initial/Final: 1 N/A / 1 N/A
Batch: 0110543
Calibration:
Instrument: Wet Chem Balance 5

CAS NO.	Analyte	Concentration (%)	Dilution Factor	Q	Method
TS	Total Solids	61.5	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

USMPDI-006SC-A-02-03-201110

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Matrix: SE
Laboratory ID: A0K0482-12
Sampled: 11/10/20 09:25
Prepared: 11/16/20 10:54
Analyzed: 11/18/20 19:08
Solids: 69.17
Preparation: Total Solids (SM2540G/PSEP)
Initial/Final: 1 N/A / 1 N/A
Batch: 0110543
Calibration:
Instrument: Wet Chem Balance 5

CAS NO.	Analyte	Concentration (%)	Dilution Factor	Q	Method
TS	Total Solids	69.2	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

USMPDI-006SC-A-03-04-201110

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Matrix: SE
Laboratory ID: A0K0482-13
Sampled: 11/10/20 09:25
Prepared: 11/16/20 10:54
Analyzed: 11/18/20 19:08
Solids: 81.09
Preparation: Total Solids (SM2540G/PSEP)
Initial/Final: 1 N/A / 1 N/A
Batch: 0110543
Calibration:
Instrument: Wet Chem Balance 5

CAS NO.	Analyte	Concentration (%)	Dilution Factor	Q	Method
TS	Total Solids	81.1	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

USMPDI-006SC-A-04-05-201110

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Matrix: SE
Laboratory ID: A0K0482-14
Sampled: 11/10/20 09:25
Prepared: 11/16/20 10:54
Analyzed: 11/18/20 19:08
Solids: 83.20
Preparation: Total Solids (SM2540G/PSEP)
Initial/Final: 1 N/A / 1 N/A
Batch: 0110543
Calibration:
Instrument: Wet Chem Balance 5

CAS NO.	Analyte	Concentration (%)	Dilution Factor	Q	Method
TS	Total Solids	83.2	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

USMPDI-006SC-D-00-02-201110

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Matrix: SE
Laboratory ID: A0K0482-15
Sampled: 11/10/20 09:05
Prepared: 11/16/20 10:54
Analyzed: 11/18/20 19:08
Solids: 56.97
Preparation: Total Solids (SM2540G/PSEP)
Initial/Final: 1 N/A / 1 N/A
Batch: 0110543
Calibration:
Instrument: Wet Chem Balance 5

CAS NO.	Analyte	Concentration (%)	Dilution Factor	Q	Method
TS	Total Solids	57.0	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

USMPDI-006SC-D-02-04-201110

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Matrix: SE
Laboratory ID: A0K0482-16
Sampled: 11/10/20 09:05
Prepared: 11/16/20 10:54
Analyzed: 11/18/20 19:08
Solids: 77.04
Preparation: Total Solids (SM2540G/PSEP)
Initial/Final: 1 N/A / 1 N/A
Batch: 0110543
Calibration:
Instrument: Wet Chem Balance 5

CAS NO.	Analyte	Concentration (%)	Dilution Factor	Q	Method
TS	Total Solids	77.0	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

USMPDI-006SC-D-04-06-201110

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Matrix: SE
Laboratory ID: A0K0482-17
Sampled: 11/10/20 09:05
Prepared: 11/16/20 10:54
Analyzed: 11/18/20 19:08
Solids: 81.62
Preparation: Total Solids (SM2540G/PSEP)
Initial/Final: 1 N/A / 1 N/A
Batch: 0110543
Calibration:
Instrument: Wet Chem Balance 5

CAS NO.	Analyte	Concentration (%)	Dilution Factor	Q	Method
TS	Total Solids	81.6	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

USMPDI-006SC-D-06-08-201110

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Matrix: SE
Laboratory ID: A0K0482-18
Sampled: 11/10/20 09:05
Prepared: 11/16/20 10:54
Analyzed: 11/18/20 19:08
Solids: 79.00
Preparation: Total Solids (SM2540G/PSEP)
Initial/Final: 1 N/A / 1 N/A
Batch: 0110543
Calibration:
Instrument: Wet Chem Balance 5

CAS NO.	Analyte	Concentration (%)	Dilution Factor	Q	Method
TS	Total Solids	79.0	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

USMPDI-006SC-D-08-10-201110

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Matrix: SE
Laboratory ID: A0K0482-19
Sampled: 11/10/20 09:05
Prepared: 11/16/20 10:54
Analyzed: 11/18/20 19:08
Solids: 75.87
Preparation: Total Solids (SM2540G/PSEP)
Initial/Final: 1 N/A / 1 N/A
Batch: 0110543
Calibration:
Instrument: Wet Chem Balance 5

CAS NO.	Analyte	Concentration (%)	Dilution Factor	Q	Method
TS	Total Solids	75.9	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

USMPDI-006SC-D-10-12-201110

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Matrix: SE
Laboratory ID: A0K0482-20
Sampled: 11/10/20 09:05
Prepared: 11/16/20 10:54
Analyzed: 11/18/20 19:08
Solids: 72.78
Preparation: Total Solids (SM2540G/PSEP)
Initial/Final: 1 N/A / 1 N/A
Batch: 0110543
Calibration:
Instrument: Wet Chem Balance 5

CAS NO.	Analyte	Concentration (%)	Dilution Factor	Q	Method
TS	Total Solids	72.8	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

USMPDI-006SC-D-12-14-201110

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Matrix: SE
Laboratory ID: A0K0482-21
Sampled: 11/10/20 09:05
Prepared: 11/16/20 10:54
Analyzed: 11/18/20 19:08
Solids: 73.57
Preparation: Total Solids (SM2540G/PSEP)
Initial/Final: 1 N/A / 1 N/A
Batch: 0110543
Calibration:
Instrument: Wet Chem Balance 5

CAS NO.	Analyte	Concentration (%)	Dilution Factor	Q	Method
TS	Total Solids	73.6	1		SM 2540 G

INORGANIC ANALYSIS DATA SHEET

SM 2540 G

USMPDI-1006SC-D-10-12-20111
0

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Matrix: SE
Laboratory ID: A0K0482-22
Sampled: 11/10/20 09:05
Prepared: 01/06/21 14:43
Analyzed: 01/07/21 13:54
Solids: 73.78
Preparation: Total Solids (SM2540G/PSEP)
Initial/Final: 1 N/A / 1 N/A
Batch: 1012592
Calibration:
Instrument: Wet Chem Balance 5

CAS NO.	Analyte	Concentration (%)	Dilution Factor	Q	Method
TS	Total Solids	73.8	1		SM 2540 G

PREPARATION BATCH SUMMARY

SM 2540 G

Laboratory: Apex Laboratories SDG: A0K0482

Client: Anchor QEA, LLC Project: US Moorings -- C2, C3, C4

Batch: 0110543 Batch Matrix: Sediment Preparation: Total Solids (SM2540G/PSEP)

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
USMPDI-003SC-A-03-04-201110 (I	0110543-DUP1		11/16/20 10:54	
USMPDI-006SC-D-12-14-201110 (I	0110543-DUP2		11/16/20 10:54	
USMPDI-003SC-A-01-02-201110	A0K0482-01		11/16/20 10:54	
USMPDI-003SC-A-02-03-201110	A0K0482-02		11/16/20 10:54	
USMPDI-003SC-A-03-04-201110	A0K0482-03		11/16/20 10:54	
USMPDI-003SC-A-04-05-201110	A0K0482-04		11/16/20 10:54	
USMPDI-1003SC-A-01-02-201110	A0K0482-05		11/16/20 10:54	
USMPDI-003SC-B-02-04-201110	A0K0482-08		11/16/20 10:54	
USMPDI-003SC-B-04-06-201110	A0K0482-09		11/16/20 10:54	
USMPDI-003SC-B-06-08-201110	A0K0482-10		11/16/20 10:54	
USMPDI-006SC-A-01-02-201110	A0K0482-11		11/16/20 10:54	
USMPDI-006SC-A-02-03-201110	A0K0482-12		11/16/20 10:54	
USMPDI-006SC-A-03-04-201110	A0K0482-13		11/16/20 10:54	
USMPDI-006SC-A-04-05-201110	A0K0482-14		11/16/20 10:54	
USMPDI-006SC-D-00-02-201110	A0K0482-15		11/16/20 10:54	
USMPDI-006SC-D-02-04-201110	A0K0482-16		11/16/20 10:54	
USMPDI-006SC-D-04-06-201110	A0K0482-17		11/16/20 10:54	
USMPDI-006SC-D-06-08-201110	A0K0482-18		11/16/20 10:54	
USMPDI-006SC-D-08-10-201110	A0K0482-19		11/16/20 10:54	
USMPDI-006SC-D-10-12-201110	A0K0482-20		11/16/20 10:54	
USMPDI-006SC-D-12-14-201110	A0K0482-21		11/16/20 10:54	

Note: Client samples are listed only if they are included in this report.
Duplicates and Matrix Spike/Duplicates QC Samples are only listed if sourced from a sample included in this report.

PREPARATION BATCH SUMMARY

SM 2540 G

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Batch: 1012592 Batch Matrix: Soil Preparation: Total Solids (SM2540G/PSEP)

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
USMPDI-1006SC-D-10-12-201110 (	1012592-DUP1		01/06/21 14:43	
USMPDI-1006SC-D-10-12-201110	A0K0482-22		01/06/21 14:43	

Note: Client samples are listed only if they are included in this report.
Duplicates and Matrix Spike/Duplicates QC Samples are only listed if sourced from a sample included in this report.

DUPLICATES

USMPDI-003SC-A-03-04-201110

SM 2540 G

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Matrix: Sediment
Laboratory ID: 0110543-DUP1
Batch: 0110543
Lab Source ID: A0K0482-03
Preparation: Total Solids (SM2540G/PSEP)
Initial/Final: 1 N/A / 1 N/A
Source Sample Name: USMPDI-003SC-A-03-04-201110
% Solids: 83.81

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (%)	C	DUPLICATE CONCENTRATION (%)	C	RPD %	Q	METHOD
Total Solids	10	83.8		83.5		0.3		SM 2540 G

* Values outside of QC limits

DUPLICATES

USMPDI-006SC-D-12-14-201110

SM 2540 G

Laboratory: Apex Laboratories
SDG: A0K0482
Client: Anchor QEA, LLC
Project: US Moorings -- C2, C3, C4
Matrix: Sediment
Laboratory ID: 0110543-DUP2
Batch: 0110543
Lab Source ID: A0K0482-21
Preparation: Total Solids (SM2540G/PSEP)
Initial/Final: 1 N/A / 1 N/A
Source Sample Name: USMPDI-006SC-D-12-14-201110
% Solids: 73.57

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (%)	C	DUPLICATE CONCENTRATION (%)	C	RPD %	Q	METHOD
Total Solids	10	73.6		73.4		0.2		SM 2540 G

* Values outside of QC limits

DUPLICATES

SM 2540 G

USMPDI-1006SC-D-10-12-201110

Laboratory: Apex Laboratories
Client: Anchor QEA, LLC
Matrix: Soil
Batch: 1012592
Preparation: Total Solids (SM2540G/PSEP)
Source Sample Name: USMPDI-1006SC-D-10-12-201110

SDG: A0K0482
Project: US Moorings -- C2, C3, C4
Laboratory ID: 1012592-DUP1
Lab Source ID: A0K0482-22
Initial/Final: 1 N/A / 1 N/A
% Solids: 73.78

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (%)	C	DUPLICATE CONCENTRATION (%)	C	RPD %	Q	METHOD
Total Solids	10	73.8		73.2		0.8		SM 2540 G

* Values outside of QC limits

HOLDING TIME SUMMARY

SM 2540 G

Laboratory: Apex Laboratories SDG: A0K0482

Client: Anchor QEA, LLC Project: US Moorings -- C2, C3, C4

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
USMPDI-003SC-A-01-02-201110	11/10/20 12:15	11/11/20 13:30	11/16/20 10:54	5.94	180.00	11/18/20 19:08	2.34		
USMPDI-003SC-A-02-03-201110	11/10/20 12:15	11/11/20 13:30	11/16/20 10:54	5.94	180.00	11/18/20 19:08	2.34		
USMPDI-003SC-A-03-04-201110	11/10/20 12:15	11/11/20 13:30	11/16/20 10:54	5.94	180.00	11/18/20 19:08	2.34		
USMPDI-003SC-A-04-05-201110	11/10/20 12:15	11/11/20 13:30	11/16/20 10:54	5.94	180.00	11/18/20 19:08	2.34		
USMPDI-1003SC-A-01-02-201110	11/10/20 12:15	11/11/20 13:30	11/16/20 10:54	5.94	180.00	11/18/20 19:08	2.34		
USMPDI-003SC-B-02-04-201110	11/10/20 11:55	11/11/20 13:30	11/16/20 10:54	5.96	180.00	11/18/20 19:08	2.34		
USMPDI-003SC-B-04-06-201110	11/10/20 11:55	11/11/20 13:30	11/16/20 10:54	5.96	180.00	11/18/20 19:08	2.34		
USMPDI-003SC-B-06-08-201110	11/10/20 11:55	11/11/20 13:30	11/16/20 10:54	5.96	180.00	11/18/20 19:08	2.34		
USMPDI-006SC-A-01-02-201110	11/10/20 09:25	11/11/20 13:30	11/16/20 10:54	6.06	180.00	11/18/20 19:08	2.34		
USMPDI-006SC-A-02-03-201110	11/10/20 09:25	11/11/20 13:30	11/16/20 10:54	6.06	180.00	11/18/20 19:08	2.34		
USMPDI-006SC-A-03-04-201110	11/10/20 09:25	11/11/20 13:30	11/16/20 10:54	6.06	180.00	11/18/20 19:08	2.34		
USMPDI-006SC-A-04-05-201110	11/10/20 09:25	11/11/20 13:30	11/16/20 10:54	6.06	180.00	11/18/20 19:08	2.34		
USMPDI-006SC-D-00-02-201110	11/10/20 09:05	11/11/20 13:30	11/16/20 10:54	6.08	180.00	11/18/20 19:08	2.34		
USMPDI-006SC-D-02-04-201110	11/10/20 09:05	11/11/20 13:30	11/16/20 10:54	6.08	180.00	11/18/20 19:08	2.34		
USMPDI-006SC-D-04-06-201110	11/10/20 09:05	11/11/20 13:30	11/16/20 10:54	6.08	180.00	11/18/20 19:08	2.34		
USMPDI-006SC-D-06-08-201110	11/10/20 09:05	11/11/20 13:30	11/16/20 10:54	6.08	180.00	11/18/20 19:08	2.34		
USMPDI-006SC-D-08-10-201110	11/10/20 09:05	11/11/20 13:30	11/16/20 10:54	6.08	180.00	11/18/20 19:08	2.34		
USMPDI-006SC-D-10-12-201110	11/10/20 09:05	11/11/20 13:30	11/16/20 10:54	6.08	180.00	11/18/20 19:08	2.34		
USMPDI-006SC-D-12-14-201110	11/10/20 09:05	11/11/20 13:30	11/16/20 10:54	6.08	180.00	11/18/20 19:08	2.34		
USMPDI-1006SC-D-10-12-201110	11/10/20 09:05	11/11/20 13:30	01/06/21 14:43	57.23	180.00	01/07/21 13:54	0.97		

Raw Data

Selected Volatile Organic Compounds by EPA 5035A/8260D
Benchsheet & Analysis Sequence Data (Water)

Batch 0110532
Sequence 0K16056 (A0K0482-06)

PREPARATION BENCH SHEET

Apex Laboratories

BATCH #: 0110532 (Water)

Prep Method: EPA 5030B

Lab Number	Cont.	Analysis	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	ClientID / Sample	Extraction Comments	pH*
0110532-BLK1		QC	11/16/20 07:30	5	5							
0110532-BS1		QC	11/16/20 07:30	5	5	A20K254		5				
0110532-BS2		QC	11/16/20 07:30	5	5	A20J281		0.5				
A0K0461-03	A	8260D Full List	11/16/20 10:13	5	5					TB-111120	MDL	<2
A0K0482-06	A	8260D BTEX+Halo6	11/16/20 10:13	5	5					SC-TB-2011101216		<2
A0K0509-04	A	8260D Full List	11/16/20 10:13	5	5					TB-111220	MDL	<2
A0K0535-01	A	624.1 Volatiles	11/16/20 10:13	5	5					PT AS01	MDL	<2
A0K0535-02	A	624.1 Volatiles	11/16/20 10:13	5	5					PT AS02	MDL	<2
A0K0535-03	A	624.1 Volatiles	11/16/20 10:13	5	5					PT EFF	MDL	<2
A0K0535-03	A	8260D Full List	11/16/20 10:13	5	5					PT EFF	Added for BatchQC in: 0110532	<2
A0K0535-03	A	8260D BTEX	11/16/20 10:13	5	5					PT EFF	Added for BatchQC in: 0110532	<2
A0K0535-03	A	8260D BTEX+Halo6	11/16/20 10:13	5	5					PT EFF	Added for BatchQC in: 0110532	<2
0110532-MS1		QC @1013 mm	11/16/20 ~~10:12~~	5	5	A20K254	A0K0535-03	5				<2
A0K0563-11	A	624.1 Volatiles	11/16/20 10:13	5	5					GP01-GW-10	Added for BatchQC in: 0110532	<2
A0K0563-11	A	8260D Full List	11/16/20 10:13	5	5					GP01-GW-10	Added for BatchQC in: 0110532	<2
A0K0563-11	A	8260D BTEX	11/16/20 10:13	5	5					GP01-GW-10	3/3 voas have sed, results due 11/20	<2
A0K0563-11	A	8260D BTEX+Halo6	11/16/20 10:13	5	5					GP01-GW-10	Added for BatchQC in: 0110532	<2
0110532-DUP1		QC @1013	11/16/20 10~~:12~~	5	5		A0K0563-11					<2
A0K0563-12	A	8260D BTEX	11/16/20 10:13	5	5					GP02-GW-10	3/3 voas have sed, results due 11/20	<2
A0K0563-13	A	8260D BTEX	11/16/20 10:13	5	5					GP03-GW-10	3/3 voas have sed, results due 11/20	<2
A0K0563-14	A	8260D BTEX	11/16/20 10:13	5	5					GP03-GW-10-DUP	3/3 voas have sed, results due 11/20	<2
A0K0563-15	A	8260D BTEX	11/16/20 10:13	5	5					GP04-GW-10	3/3 voas have sed, results due 11/20	<2

11/17/20 TNL

Prepared By: Date

mm 11/17/20

Reviewed By: Date

Printed: 11/17/2020 10:43:25AM

PREPARATION BENCH SHEET

BATCH #: 0110532 (Water)

Apex Laboratories

Prep Method: EPA 5030B

Lab Number	Cont.	Analysis	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	ClientID / Sample	Extraction Comments	pH*
A0K0563-16	A	8260D Full List	11/16/20 10:13	5	5					GP05-GW-10	3/3 voas have sed, results due 11/20	<2
A0K0563-17	A	8260D Full List	11/16/20 10:13	5	5					111220TB	Results due 11/20, firm	<2

*pH <2 verified 11/17/20 PS

Standards/Reagents

Reagent(s)

Std ID	Exp. Date	Description

Analyte Spike(s)

Std ID	Exp. Date	Description
A20J281	04/14/21	Prime. NWTPH-Gx stock (5000 ug/mL)
A20K254	11/30/20	8260 Cal. Std. B VOCR+OXY Spike (20-40ug/m

Surrogate(s)

Std ID	Exp. Date	Description

GCMS9

Prepared By: Date

mm 11/17/20

Reviewed By: Date

ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence:	0K16056	Instrument:	VOA-GCMS9
Date:	**11/16/20 11:24**	Calibration:	**A0K1604**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0K16056-TUN1	Water	QC	QC			A20I024	
2	0K16056-CCV1	Water	QC	QC			A20I024	
3	0110532-BS1	Water	QC	QC		0110532	A20I024	
4	0K16056-CCV2	Water	QC	QC			A20I024	
5	0110532-BS2	Water	QC	QC		0110532	A20I024	
6	0110532-BLK1	Water	QC	QC		0110532	A20I024	
7	A0K0482-06	Water	8260D BTEX+Halo6	Anchor QEA, LLC	11/24/20	0110532	A20I024	
8	A0K0461-03	Water	8260D Full List	Anchor QEA, LLC	11/25/20	0110532	A20I024	
9	A0K0509-04	Water	8260D Full List	Anchor QEA, LLC	11/30/20	0110532	A20I024	
10	A0K0535-01	Water	624.1 Volatiles		11/19/20	0110532	A20I024	
11	A0K0535-02	Water	624.1 Volatiles		11/19/20	0110532	A20I024	
12	A0K0535-03	Water	624.1 Volatiles		11/19/20	0110532	A20I024	
"	"	Water	8260D Full List	(QC Source)		0110532	A20I024	
"	"	Water	8260D BTEX	(QC Source)		0110532	A20I024	
"	"	Water	8260D BTEX+Halo6	(QC Source)		0110532	A20I024	
13	0110532-MS1	Water	QC	QC		0110532	A20I024	
14	0K16056-IBL3	Water	QC	QC			A20I024	
15	0K16056-CRL1	Water	QC	QC			A20I024	A20K247
16	A0K0563-17	Water	8260D Full List		11/20/20	0110532	A20I024	
17	A0K0563-11	Water	8260D BTEX		11/20/20	0110532	A20I024	
"	"	Water	624.1 Volatiles	(QC Source)		0110532	A20I024	
"	"	Water	8260D Full List	(QC Source)		0110532	A20I024	
"	"	Water	8260D BTEX+Halo6	(QC Source)		0110532	A20I024	
18	0110532-DUP1	Water	QC	QC		0110532	A20I024	
19	A0K0563-12	Water	8260D BTEX		11/20/20	0110532	A20I024	
20	A0K0563-13	Water	8260D BTEX		11/20/20	0110532	A20I024	
21	A0K0563-14	Water	8260D BTEX		11/20/20	0110532	A20I024	
22	A0K0563-15	Water	8260D BTEX		11/20/20	0110532	A20I024	
23	A0K0563-16	Water	8260D Full List		11/20/20	0110532	A20I024	
24	0K16056-IBL4	Water	QC	QC			A20I024	
25	0K16056-IBL5	Water	QC	QC			A20I024	
26	0K16056-IBL6	Water	QC	QC			A20I024	

EDB (MDL/MRL 0.5PPB/1PPB)
CHBr3 (MDL/MRL 1PPB/2PPB)
A0K0535 CUSTOM REPORT

Comments:

Data Entered By/Date: 11/17/20 TNL

Data Reviewed By/Date: mm 11/17/20

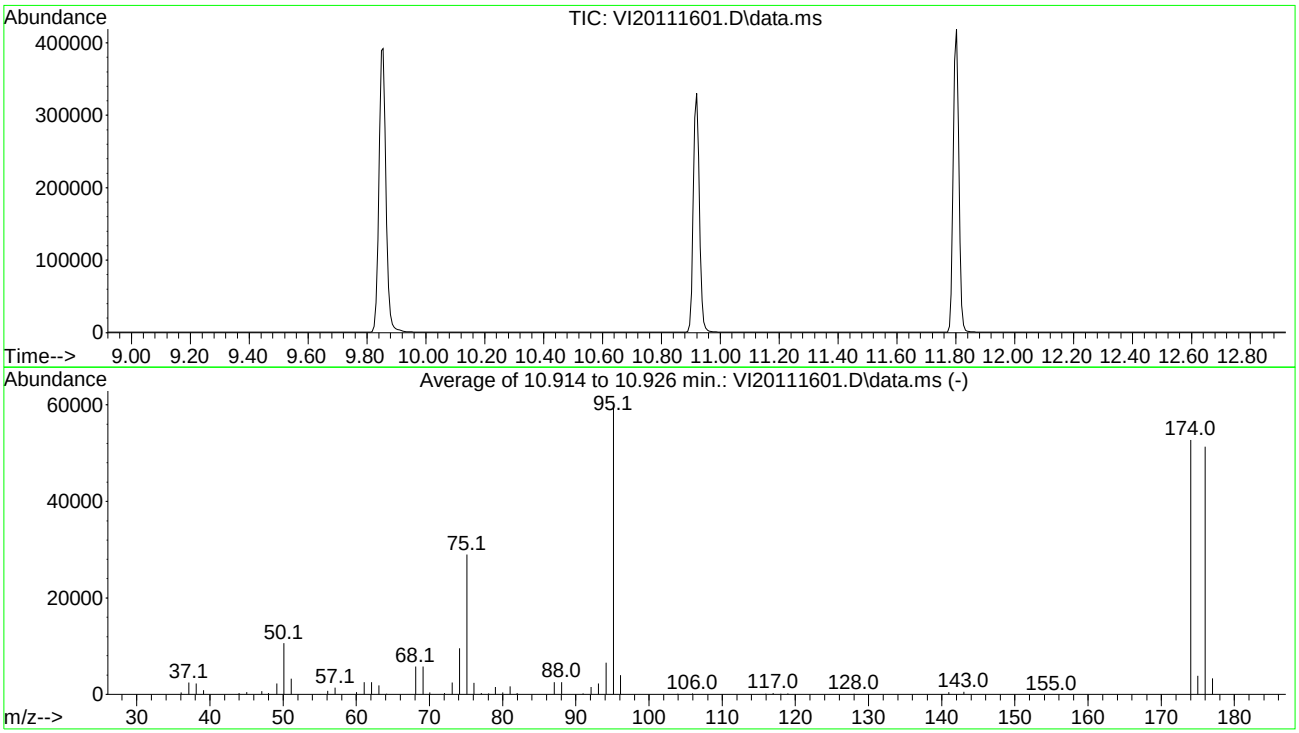
BFB

Data Path : C:\msdchem\1\data\2020-11\0K16056\
Data File : VI20111601.D
Acq On : 16 Nov 2020 11:55 am
Operator : PS
Sample : 0K16056-TUN1
Misc : 1X A20I023 BFB (IS/SURR)
ALS Vial : 1 Sample Multiplier: 1

11/17/20 TNL

Integration File: RTEINT.P

Method : C:\msdchem\1\methods\VI201114W.M
Title : EPA 8260: Volatile Organic Compounds
Last Update : Sun Nov 15 09:44:54 2020



AutoFind: Scans 1534, 1535, 1536; Background Corrected with Scan 1527

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	174	50	200	113.5	59867	PASS
96	95	5	9	6.8	4047	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	200	88.1	52739	PASS
175	174	5	9	7.4	3908	PASS
176	174	95	105	97.4	51365	PASS
177	176	5	10	6.6	3376	PASS

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K16056\
Data File : VI20111601.D
Acq On : 16 Nov 2020 11:55 am
Operator : PS
Sample : 0K16056-TUN1
Misc : 1X A20I023 BFB (IS/SURR)
ALS Vial : 1 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

11/17/20 TNL

Quant Time: Nov 17 09:31:46 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sun Nov 15 09:44:54 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (I)	6.144	99	85914	50.00	ug/L	# 0.00
45) Chlorobenzene-d5 (I)	9.855	117	225628	50.00	ug/L	0.00
66) 1,4-Dichlorobenzene-d4...	11.802	152	94407	50.00	ug/L	0.00
System Monitoring Compounds						
32) Dibromofluoromethane (S)	5.651	111	82689	50.27	ug/L	0.00
39) 1,4-Difluorobenzene (S)	6.710	114	270220	50.26	ug/L	0.00
48) Toluene-d8 (S)	8.218	98	301876	51.01	ug/L	0.00
67) 4-Bromofluorobenzene (S)	10.920	174	85010	52.21	ug/L	0.00
Target Compounds						Qvalue
5) Bromomethane	2.324	96	115	0.11	ug/L	# 24
14) Methylene Chloride	3.820	84	709	0.42	ug/L	98
15) Acetone	3.887	43	1165	1.18	ug/L	92
87) Naphthalene	13.566	128	324	0.38	ug/L	81

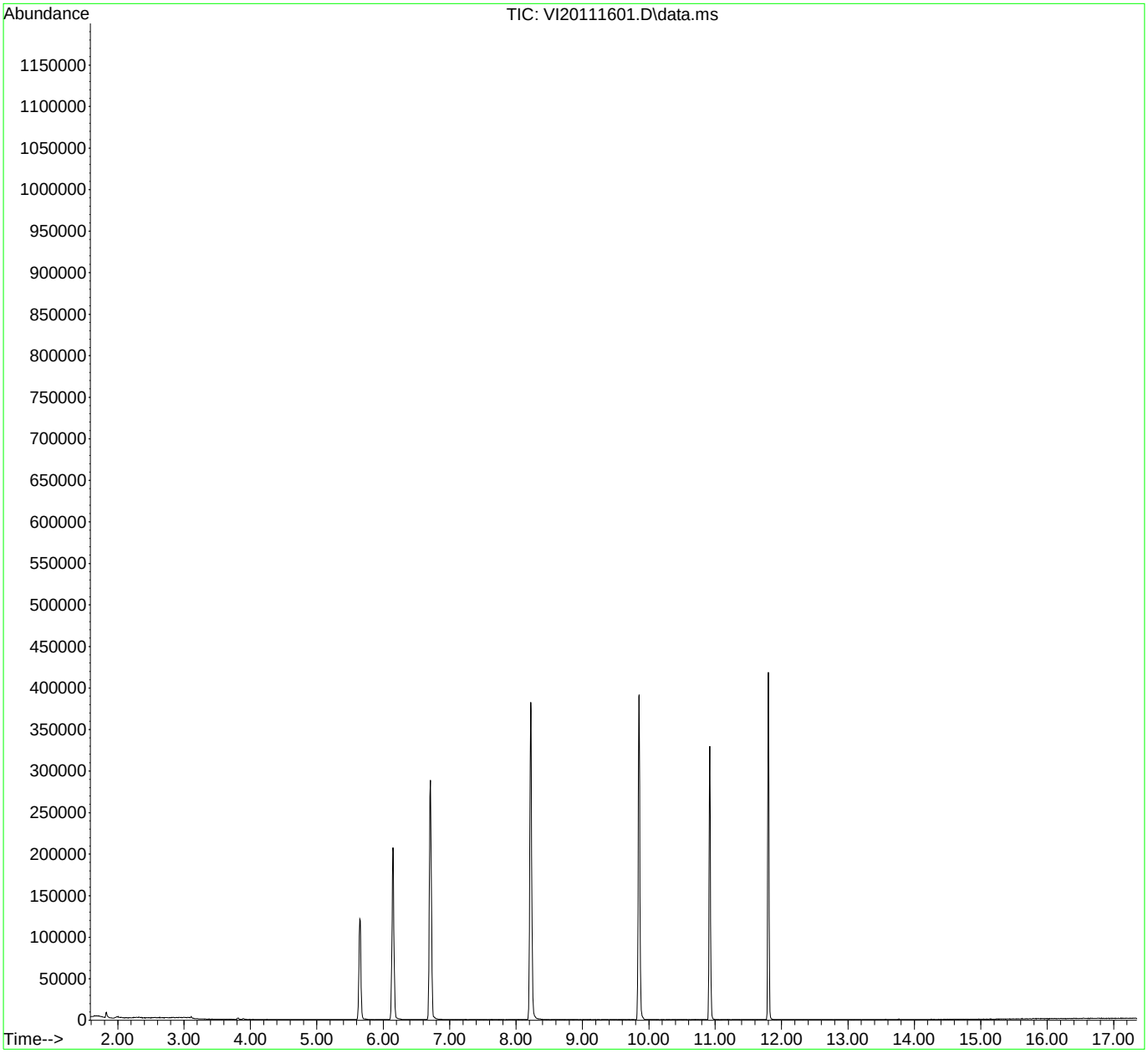
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K16056\
Data File : VI20111601.D
Acq On : 16 Nov 2020 11:55 am
Operator : PS
Sample : 0K16056-TUN1
Misc : 1X A20I023 BFB (IS/SURR)
ALS Vial : 1 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 17 09:31:46 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sun Nov 15 09:44:54 2020
Response via : Initial Calibration



Evaluate Continuing Calibration Report

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K16056\
Data File : VI20111602.D
Acq On : 16 Nov 2020 12:22 pm
Operator : PS
Sample : 0110532-BS1
Misc : 1X 5mL A20K254 20-40PPB VOCRO
ALS Vial : 2 Sample Multiplier: 1 11/17/20 TNL
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 17 09:32:14 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sun Nov 15 09:44:54 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene (I)	50.000	50.000	0.0	93	0.00
2		Dichlorodifluoromethane	20.000	19.765	1.2	115	0.00
3	P	Chloromethane	20.000	20.752	-3.8	103	0.00
4	C	Vinyl Chloride	20.000	20.912	-4.6	102	0.00
5		Bromomethane	20.000	17.080	14.6	82	0.00
6		Chloroethane	20.000	13.457	32.7#	72	0.01
7		Trichlorofluoromethane	20.000	21.640	-8.2	100	0.01
8		Ethanol	1250.000	1291.205	-3.3	100	0.00
9	C	1,1-Dichloroethene	20.000	20.648	-3.2	96	0.00
10		Carbon Disulfide	20.000	20.257	-1.3	97	0.00
11		Freon 113	20.000	21.585	-7.9	98	0.00
12		Iodomethane	-1.000	0.000	0.0	0	0.00
13		Acrolein	20.000	21.660	-8.3	102	0.00
14		Methylene Chloride	20.000	19.464	2.7	94	0.00
15		Acetone	40.000	37.964	5.1	92	0.00
16		t-1,2-Dichloroethene	20.000	21.265	-6.3	96	0.00
17		n-Hexane	20.000	23.680	-18.4	112	0.00
18		Methyl-tert-butyl-ether	20.000	20.129	-0.6	91	0.00
19		tert-Butanol (TBA)	1250.000	1251.637	-0.1	92	0.00
20		Diisopropyl ether (DIPE)	5.000	5.028	-0.6	94	0.00
21	P	1,1-Dichloroethane	20.000	20.454	-2.3	96	0.00
22		Acrylonitrile	20.000	20.893	-4.5	94	0.00
23		Ethyl-tert-butyl ether (ET	5.000	5.268	-5.4	96	0.11
24		Vinyl Acetate	20.000	20.553	-2.8	92	0.00
25		c-1,2-Dichloroethene	20.000	20.739	-3.7	96	0.00
26		2,2-Dichloropropane	20.000	24.049	-20.2#	111	0.00
27		Bromochloromethane	20.000	21.019	-5.1	92	0.00
28	C	Chloroform	20.000	20.692	-3.5	94	0.00
29		Carbon Tetrachloride	20.000	18.257	8.7	84	0.00
30		Tetrahydrofuran	20.000	20.305	-1.5	92	0.00
31		1,1,1-Trichloroethane	20.000	19.552	2.2	90	0.00
32	S	Dibromofluoromethane (S)	50.000	50.970	-1.9	97	0.00

Evaluate Continuing Calibration Report

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K16056\
Data File : VI20111602.D
Acq On : 16 Nov 2020 12:22 pm
Operator : PS
Sample : 0110532-BS1
Misc : 1X 5mL A20K254 20-40PPB VOCRO
ALS Vial : 2 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 17 09:32:14 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sun Nov 15 09:44:54 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
33		1,1-Dichloropropene	20.000	20.476	-2.4	94	0.00
34		2-Butanone (MEK)	40.000	41.489	-3.7	95	0.01
35		Benzene	20.000	20.275	-1.4	95	0.00
36		tert-Amyl methyl ether (TA	5.000	0.454	90.9#	8	0.00
37		1,2-Dichloroethane (EDC)	20.000	20.990	-4.9	94	0.00
38		iso-Butyl Alcohol	500.000	501.362	-0.3	90	-0.02
39	S	1,4-Difluorobenzene (S)	50.000	50.592	-1.2	95	0.00
40		Trichloroethene (TCE)	20.000	20.436	-2.2	94	0.00
41		Tert-Amyl-Ethyl-Ether (TAEE	5.000	4.894	2.1	85	0.00
42		Dibromomethane	20.000	21.404	-7.0	93	0.00
43	C	1,2-Dichloropropane	20.000	20.573	-2.9	95	0.00
44		Bromodichloromethane	20.000	19.684	1.6	90	0.00
45		Chlorobenzene-d5 (I)	50.000	50.000	0.0	93	0.00
46		2-Chloroethyl Vinyl Ether	20.000	20.224	-1.1	94	0.00
47		c-1,3-Dichloropropene	20.000	21.656	-8.3	95	0.00
48	S	Toluene-d8 (S)	50.000	49.675	0.7	94	0.00
49	C	Toluene	20.000	19.686	1.6	94	0.00
50		Tetrachloroethene (PCE)	20.000	20.455	-2.3	93	0.00
51		4-Methyl-2-Pentanone (MIBK)	40.000	41.536	-3.8	93	0.00
52		t-1,3-Dichloropropene	20.000	21.722	-8.6	97	0.00
53		1,1,2-Trichloroethane	20.000	21.024	-5.1	93	0.00
54		Dibromochloromethane	20.000	18.402	8.0	83	0.00
55		1,3-Dichloropropane	20.000	21.078	-5.4	94	0.00
56		1,2-Dibromoethane (EDB)	20.000	19.746	1.3	92	0.00
57		2-Hexanone	40.000	43.221	-8.1	91	0.00
58	P	Chlorobenzene	20.000	20.469	-2.3	93	0.00
59	C	Ethylbenzene	20.000	19.841	0.8	93	-0.01
60		1,1,1,2-Tetrachloroethane	20.000	19.686	1.6	88	0.00
61		m,p-Xylenes (2)	40.000	40.316	-0.8	92	0.00
62		o-Xylene	20.000	20.297	-1.5	91	0.00
63		Styrene	20.000	20.794	-4.0	90	0.00

Evaluate Continuing Calibration Report

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K16056\
Data File : VI20111602.D
Acq On : 16 Nov 2020 12:22 pm
Operator : PS
Sample : 0110532-BS1
Misc : 1X 5mL A20K254 20-40PPB VOCRO
ALS Vial : 2 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 17 09:32:14 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sun Nov 15 09:44:54 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
64	P	Bromoform	20.000	16.163	19.2	80	0.00
65		Isopropylbenzene	20.000	20.428	-2.1	91	0.00
66	I	1,4-Dichlorobenzene-d4 (I)	50.000	50.000	0.0	93	0.00
67	S	4-Bromofluorobenzene (S)	50.000	48.442	3.1	92	0.00
68		Bromobenzene	20.000	20.645	-3.2	92	0.00
69		n-Propylbenzene	20.000	20.737	-3.7	92	0.00
70	P	1,1,2,2-Tetrachloroethane	20.000	21.173	-5.9	95	0.00
71		2-Chlorotoluene	20.000	20.338	-1.7	91	0.00
72		1,3,5-Trimethylbenzene	20.000	20.944	-4.7	92	0.00
73		1,2,3-Trichloropropane	20.000	20.599	-3.0	95	0.00
74		t-1,4-Dichloro-2-butene	20.000	22.160	-10.8	94	0.00
75		4-Chlorotoluene	20.000	20.507	-2.5	92	0.00
76		tert-Butylbenzene	20.000	21.002	-5.0	92	0.00
77		1,2,4-Trimethylbenzene	20.000	22.076	-10.4	93	0.00
78		sec-Butylbenzene	20.000	20.777	-3.9	92	0.00
79		4-Isopropyltoluene	20.000	21.823	-9.1	93	0.00
80		1,3-Dichlorobenzene	20.000	20.980	-4.9	93	0.00
81		1,4-Dichlorobenzene	20.000	20.331	-1.7	93	0.00
82		n-Butylbenzene	20.000	22.460	-12.3	95	-0.01
83		1,2-Dichlorobenzene	20.000	21.125	-5.6	93	0.00
84		1,2-Dibromo-3-Chloropropane	20.000	19.403	3.0	89	0.00
85		Hexachlorobutadiene	20.000	23.337	-16.7	98	0.00
86		1,2,4-Trichlorobenzene	20.000	23.508	-17.5	98	0.00
87		Naphthalene	20.000	19.476	2.6	92	0.00
88		1,2,3-Trichlorobenzene	20.000	24.258	-21.3#	96	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K16056\
Data File : VI20111602.D
Acq On : 16 Nov 2020 12:22 pm
Operator : PS
Sample : 0110532-BS1
Misc : 1X 5mL A20K254 20-40PPB VOCRO
ALS Vial : 2 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

11/17/20 TNL

Quant Time: Nov 17 09:32:14 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sun Nov 15 09:44:54 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.144	99	83516	50.00	ug/L		0.00
45) Chlorobenzene-d5 (I)	9.855	117	226760	50.00	ug/L		0.00
66) 1,4-Dichlorobenzene-d4...	11.802	152	106541	50.00	ug/L		0.00
System Monitoring Compounds							
32) Dibromofluoromethane (S)	5.651	111	81507	50.97	ug/L		0.00
39) 1,4-Difluorobenzene (S)	6.710	114	264420	50.59	ug/L		0.00
48) Toluene-d8 (S)	8.225	98	295468	49.67	ug/L		0.00
67) 4-Bromofluorobenzene (S)	10.920	174	89012	48.44	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.654	85	29322	19.77	ug/L		99
3) Chloromethane	1.867	50	32977	20.75	ug/L		96
4) Vinyl Chloride	1.965	62	36467	20.91	ug/L		98
5) Bromomethane	2.324	96	18101	17.08	ug/L		97
6) Chloroethane	2.457	64	7481	13.46	ug/L		92
7) Trichlorofluoromethane	2.616	101	34207	21.64	ug/L		97
8) Ethanol	3.193	45	62207	1291.21	ug/L		88
9) 1,1-Dichloroethene	3.181	61	44305	20.65	ug/L		95
10) Carbon Disulfide	3.193	76	77733	20.26	ug/L		98
11) Freon 113	3.230	101	27579	21.58	ug/L		98
13) Acrolein	3.565	56	9529	21.66	ug/L		74
14) Methylene Chloride	3.814	84	32078	19.46	ug/L		93
15) Acetone	3.887	43	36542	37.96	ug/L		99
16) t-1,2-Dichloroethene	3.978	61	43105	21.27	ug/L		100
17) n-Hexane	4.057	86	6043	23.68	ug/L	#	90
18) Methyl-tert-butyl-ether	4.112	73	96591	20.13	ug/L		94
19) tert-Butanol (TBA)	4.246	59	570172	1251.64	ug/L		84
20) Diisopropyl ether (DIPE)	4.508	45	22751	5.03	ug/L		96
21) 1,1-Dichloroethane	4.623	63	57261	20.45	ug/L		96
22) Acrylonitrile	4.690	53	19081	20.89	ug/L		97
23) Ethyl-tert-butyl ether...	4.879	59	22905	5.27	ug/L		94
24) Vinyl Acetate	4.897	43	74414	20.55	ug/L		98
25) c-1,2-Dichloroethene	5.177	61	43469	20.74	ug/L		97
26) 2,2-Dichloropropane	5.286	77	42191	24.05	ug/L		96

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K16056\
Data File : VI20111602.D
Acq On : 16 Nov 2020 12:22 pm
Operator : PS
Sample : 0110532-BS1
Misc : 1X 5mL A20K254 20-40PPB VOCRO
ALS Vial : 2 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 17 09:32:14 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sun Nov 15 09:44:54 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Bromochloromethane	5.384	130	21289	21.02	ug/L		97
28) Chloroform	5.463	83	55733	20.69	ug/L		97
29) Carbon Tetrachloride	5.590	117	31694	18.26	ug/L		95
30) Tetrahydrofuran	5.633	42	19056	20.30	ug/L		93
31) 1,1,1-Trichloroethane	5.669	97	45576	19.55	ug/L		97
33) 1,1-Dichloropropene	5.797	75	41560	20.48	ug/L		96
34) 2-Butanone (MEK)	5.791	43	57888	41.49	ug/L		99
35) Benzene	6.053	78	127132	20.28	ug/L		99
36) tert-Amyl methyl ether...	6.047	73	1968	0.45	ug/L	#	46
37) 1,2-Dichloroethane (EDC)	6.272	62	45100	20.99	ug/L		93
38) iso-Butyl Alcohol	6.308	43	84985	501.36	ug/L		93
40) Trichloroethene (TCE)	6.673	130	34504	20.44	ug/L		96
41) Tert-Amyl-Ethyl-Ether ...	6.923	59	12778	4.89	ug/L		86
42) Dibromomethane	7.123	93	21525	21.40	ug/L		94
43) 1,2-Dichloropropane	7.233	63	32577	20.57	ug/L		95
44) Bromodichloromethane	7.312	83	38414	19.68	ug/L		94
46) 2-Chloroethyl Vinyl Ether	7.951	63	13733	20.22	ug/L	#	100
47) c-1,3-Dichloropropene	8.018	75	47370	21.66	ug/L		92
49) Toluene	8.279	91	128370	19.69	ug/L		99
50) Tetrachloroethene (PCE)	8.723	166	31952	20.46	ug/L		90
51) 4-Methyl-2-Pentanone (...	8.723	43	101984	41.54	ug/L		99
52) t-1,3-Dichloropropene	8.766	75	41829	21.72	ug/L		97
53) 1,1,2-Trichloroethane	8.936	97	30765	21.02	ug/L		98
54) Dibromochloromethane	9.125	129	25988	18.40	ug/L		97
55) 1,3-Dichloropropane	9.222	76	52201	21.08	ug/L		97
56) 1,2-Dibromoethane (EDB)	9.362	107	32290	19.75	ug/L		97
57) 2-Hexanone	9.587	43	73888	43.22	ug/L		95
58) Chlorobenzene	9.867	112	82587	20.47	ug/L		97
59) Ethylbenzene	9.891	91	135520	19.84	ug/L		100
60) 1,1,1,2-Tetrachloroethane	9.928	131	24934	19.69	ug/L		97
61) m,p-Xylenes (2)	10.025	91	200066	40.32	ug/L		97
62) o-Xylene	10.409	91	101624	20.30	ug/L		98
63) Styrene	10.457	104	79187	20.79	ug/L		96
64) Bromoform	10.482	173	17560	16.16	ug/L		98
65) Isopropylbenzene	10.676	105	121360	20.43	ug/L		100
68) Bromobenzene	11.005	156	33684	20.64	ug/L		88

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K16056\
Data File : VI20111602.D
Acq On : 16 Nov 2020 12:22 pm
Operator : PS
Sample : 0110532-BS1
Misc : 1X 5mL A20K254 20-40PPB VOCRO
ALS Vial : 2 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 17 09:32:14 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sun Nov 15 09:44:54 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
69) n-Propylbenzene	11.017	91	141476	20.74	ug/L		97
70) 1,1,2,2-Tetrachloroethane	11.090	85	28678	21.17	ug/L		94
71) 2-Chlorotoluene	11.151	126	29489	20.34	ug/L		98
72) 1,3,5-Trimethylbenzene	11.175	105	96745	20.94	ug/L		99
73) 1,2,3-Trichloropropane	11.193	110	14650	20.60	ug/L		98
74) t-1,4-Dichloro-2-butene	11.224	53	9417	22.16	ug/L	#	70
75) 4-Chlorotoluene	11.285	91	87406	20.51	ug/L		98
76) tert-Butylbenzene	11.425	91	55496	21.00	ug/L		90
77) 1,2,4-Trimethylbenzene	11.485	105	97863	22.08	ug/L		96
78) sec-Butylbenzene	11.564	105	117949	20.78	ug/L		100
79) 4-Isopropyltoluene	11.674	119	97753	21.82	ug/L		99
80) 1,3-Dichlorobenzene	11.747	146	57527	20.98	ug/L		99
81) 1,4-Dichlorobenzene	11.814	146	59218	20.33	ug/L		99
82) n-Butylbenzene	11.990	91	84526	22.46	ug/L		97
83) 1,2-Dichlorobenzene	12.130	146	55464	21.12	ug/L		98
84) 1,2-Dibromo-3-Chloropr...	12.739	157	9977	19.40	ug/L		77
85) Hexachlorobutadiene	13.244	223	9053	23.34	ug/L		96
86) 1,2,4-Trichlorobenzene	13.286	180	30441	23.51	ug/L		98
87) Naphthalene	13.560	128	90189	19.48	ug/L		98
88) 1,2,3-Trichlorobenzene	13.724	180	28336	24.26	ug/L		99

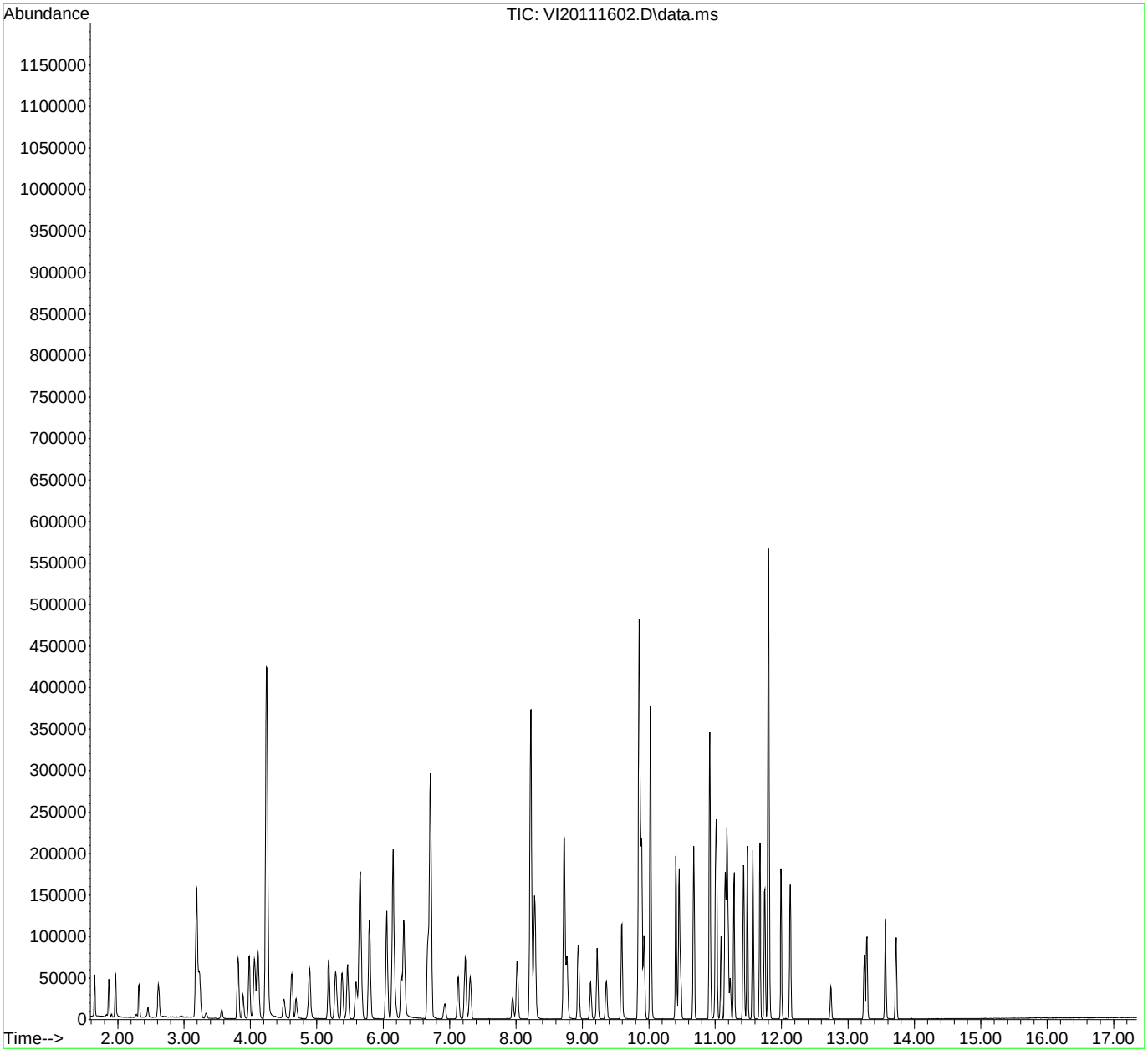
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K16056\
Data File : VI20111602.D
Acq On : 16 Nov 2020 12:22 pm
Operator : PS
Sample : 0110532-BS1
Misc : 1X 5mL A20K254 20-40PPB VOCRO
ALS Vial : 2 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 17 09:32:14 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sun Nov 15 09:44:54 2020
Response via : Initial Calibration



Evaluate Continuing Calibration Report

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K16056\
Data File : VI20111603.D
Acq On : 16 Nov 2020 12:50 pm
Operator : PS
Sample : 0110532-BS2
Misc : 1X 5mL A20J181 500PPB GX
ALS Vial : 3 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

11/17/20 TNL

Quant Time: Nov 17 09:49:48 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:27:50 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene (IS)	50.000	50.000	0.0	93	0.00
2	S	1,4-Difluorobenzene (Sur)	50.000	51.271	-2.5	96	0.00
3	S	4-Bromofluorobenzene (Sur)	50.000	50.320	-0.6	97	0.00
4	H	NWTPH-Gx (TPH)	500.000	496.900	0.6	98	0.00
5	H	TPHg (C5-C9)	500.000	507.471	-1.5	99	0.00
6	H	TPHg (C6-C10)	500.000	512.656	-2.5	99	0.00
7	H	CA-LUFT (C5-C12)	500.000	504.349	-0.9	99	0.00
8		Benzene (NR)	-1.000	0.000	0.0	93	0.00
9	S	Toluene-d8 (NR)	-1.000	0.000	0.0	96	0.00
10		Toluene (NR)	-1.000	0.000	0.0	91	0.00
11	S	Chlorobenzene-d5 (NR)	-1.000	0.000	0.0	98	0.00
12	S	1,4-Dichlorobenzene-d4 (NR)	-1.000	0.000	0.0	99	0.00
13		Naphthalene (NR)	-1.000	0.000	0.0	138	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K16056\
Data File : VI20111603.D
Acq On : 16 Nov 2020 12:50 pm
Operator : PS
Sample : 0110532-BS2
Misc : 1X 5mL A20J181 500PPB GX
ALS Vial : 3 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 17 09:49:48 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:27:50 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.150	168	155954	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.710	114	256411	51.27	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.920	174	83439	50.32	ug/L	0.00
9) Toluene-d8 (NR)	8.225	98	287512	0.00	ug/L	0.00
11) Chlorobenzene-d5 (NR)	9.855	117	218480	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.802	150	150381	0.00	ug/L	0.00
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.890	TIC	2117271m	496.90	ug/L	
5) TPHg (C5-C9)	9.890	TIC	2563262m	507.47	ug/L	
6) TPHg (C6-C10)	9.890	TIC	2187920m	512.66	ug/L	
7) CA-LUFT (C5-C12)	9.890	TIC	3509862m	504.35	ug/L	

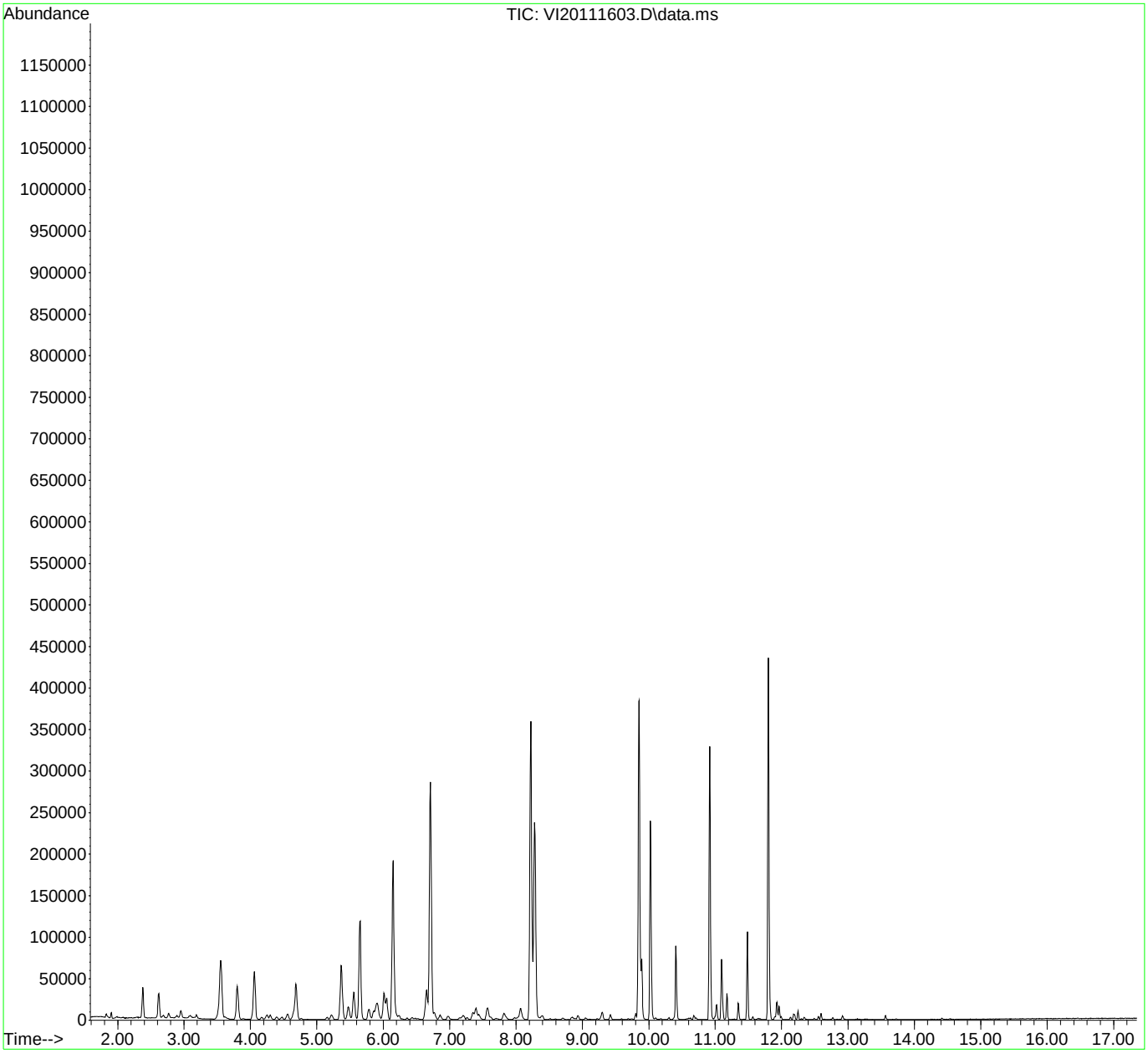
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K16056\
Data File : VI20111603.D
Acq On : 16 Nov 2020 12:50 pm
Operator : PS
Sample : 0110532-BS2
Misc : 1X 5mL A20J181 500PPB GX
ALS Vial : 3 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 17 09:49:48 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:27:50 2020
Response via : Initial Calibration

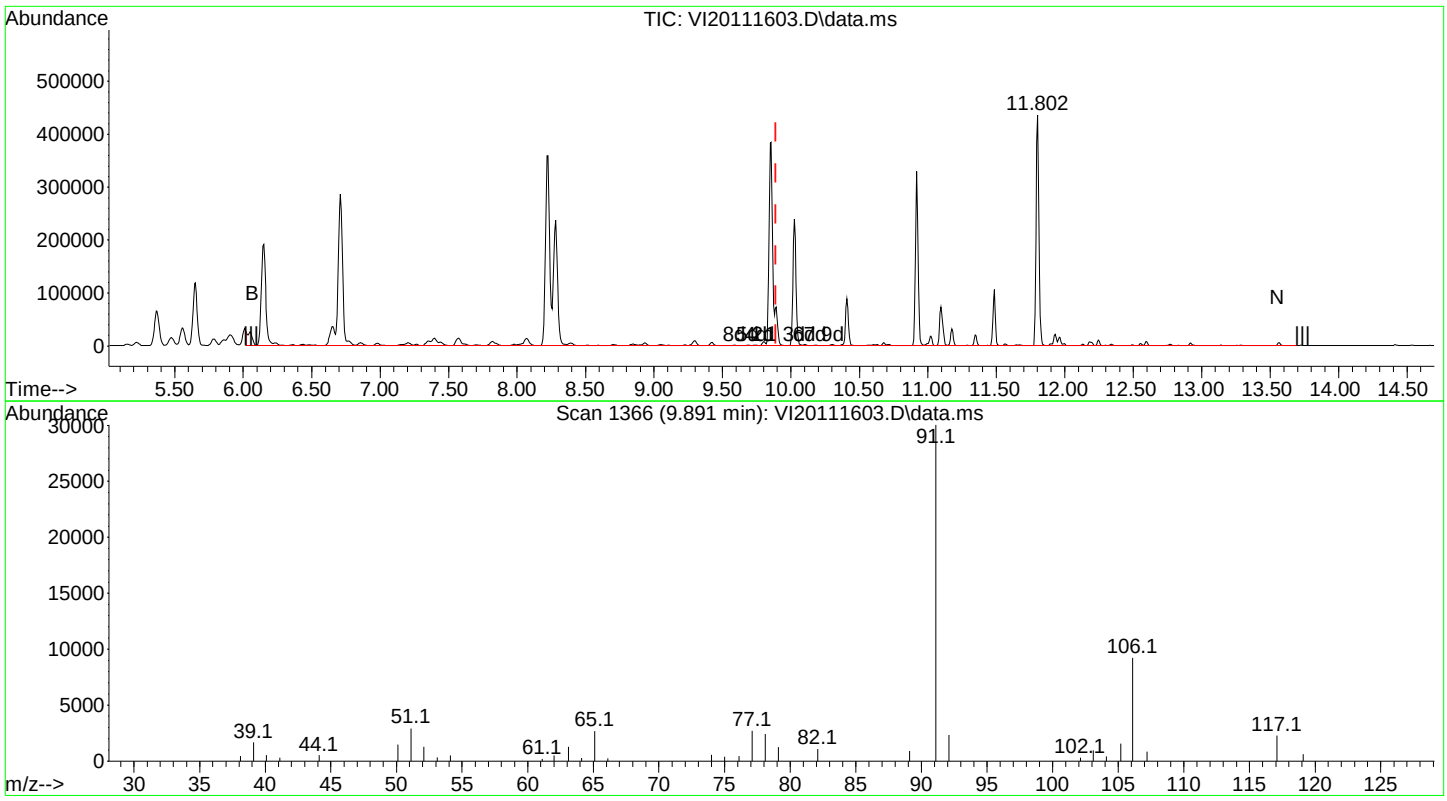


Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K16056\
Data File : VI20111603.D
Acq On : 16 Nov 2020 12:50 pm
Operator : PS
Sample : 0110532-BS2
Misc : 1X 5mL A20J181 500PPB GX
ALS Vial : 3 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 17 09:49:48 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:27:50 2020
Response via : Initial Calibration



TIC: VI20111603.D\data.ms

(4) NWTPH-Gx (TPH) (H)
9.890min (0.000) 496.90 ug/L m
response 2117271

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.01#
0.00	0.00	0.01#
0.00	0.00	0.00

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K16056\
Data File : VI20111604.D
Acq On : 16 Nov 2020 1:18 pm
Operator : PS
Sample : 0110532-BLK1
Misc : 1X 5mL DI
ALS Vial : 4 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

11/17/20 TNL

Quant Time: Nov 17 09:51:51 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:27:50 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.150	168	150692	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.710	114	246768	51.07	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.920	174	77242	48.21	ug/L	0.00
9) Toluene-d8 (NR)	8.225	98	276832	0.00	ug/L	0.00
11) Chlorobenzene-d5 (NR)	9.855	117	205188	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.802	150	136441	0.00	ug/L	0.00
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.890	TIC	-5368m	27.37	ug/L	
5) TPHg (C5-C9)	9.890	TIC	-154392m	38.13	ug/L	
6) TPHg (C6-C10)	9.890	TIC	-195174m	47.01	ug/L	
7) CA-LUFT (C5-C12)	9.890	TIC	274753m	44.35	ug/L	

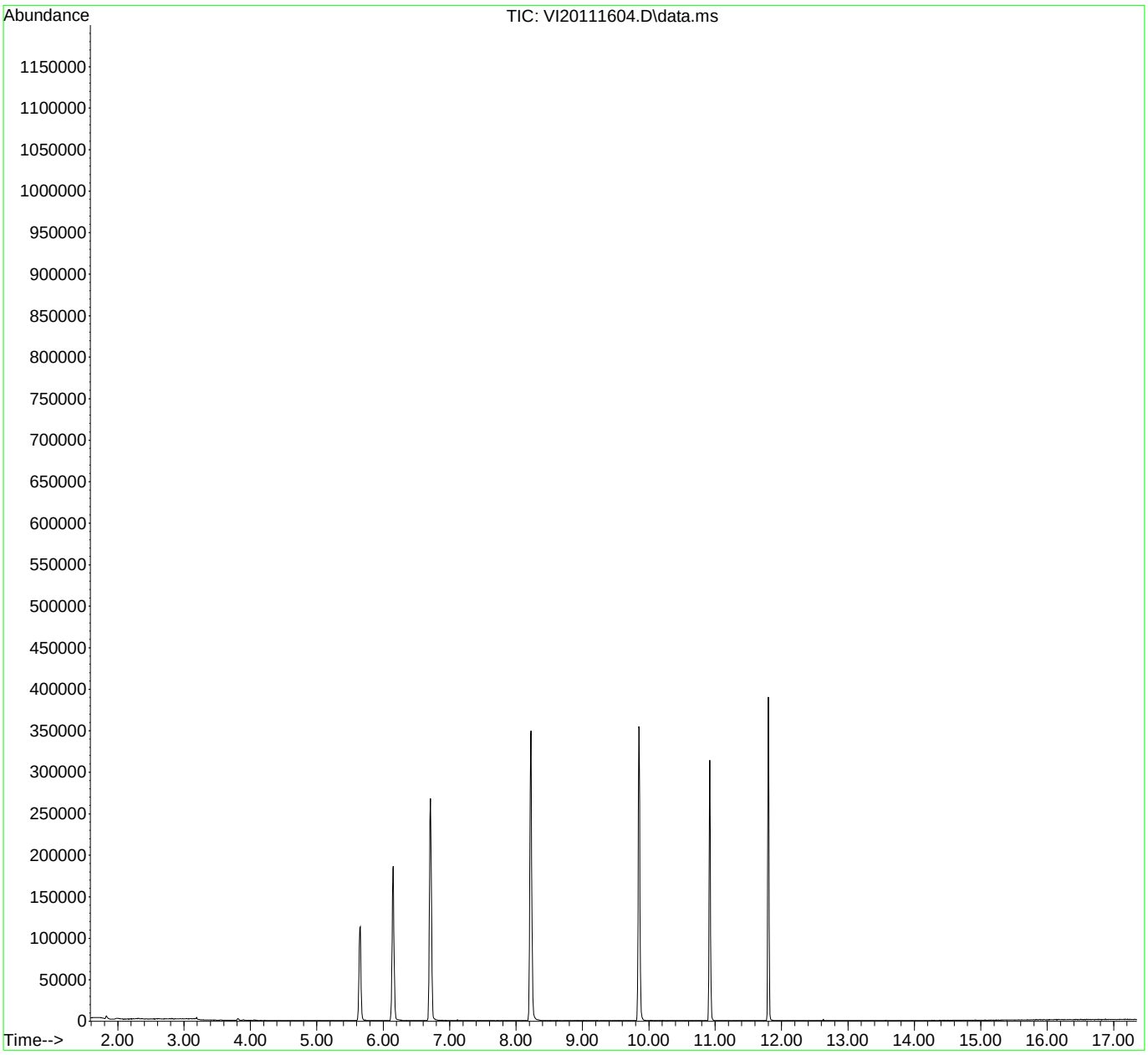
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K16056\
Data File : VI20111604.D
Acq On : 16 Nov 2020 1:18 pm
Operator : PS
Sample : 0110532-BLK1
Misc : 1X 5mL DI
ALS Vial : 4 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 17 09:51:51 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:27:50 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K16056\
Data File : VI20111604.D
Acq On : 16 Nov 2020 1:18 pm
Operator : PS
Sample : 0110532-BLK1 11/17/20 TNL
Misc : 1X 5mL DI
ALS Vial : 4 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 17 09:52:03 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sun Nov 15 09:44:54 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (I)	6.150	99	78610	50.00	ug/L	# 0.00
45) Chlorobenzene-d5 (I)	9.855	117	205188	50.00	ug/L	0.00
66) 1,4-Dichlorobenzene-d4...	11.802	152	87439	50.00	ug/L	0.00
System Monitoring Compounds						
32) Dibromofluoromethane (S)	5.645	111	76377	50.74	ug/L	0.00
39) 1,4-Difluorobenzene (S)	6.710	114	246032	50.01	ug/L	0.00
48) Toluene-d8 (S)	8.225	98	276832	51.43	ug/L	0.00
67) 4-Bromofluorobenzene (S)	10.920	174	77242	51.22	ug/L	0.00
Target Compounds						Qvalue
3) Chloromethane	1.867	50	140	0.09	ug/L	# 47
14) Methylene Chloride	3.814	84	966	0.62	ug/L	83
15) Acetone	3.893	43	995	1.10	ug/L	100
61) m,p-Xylenes (2)	10.031	91	434	0.10	ug/L	93
87) Naphthalene	13.572	128	426	0.42	ug/L	81

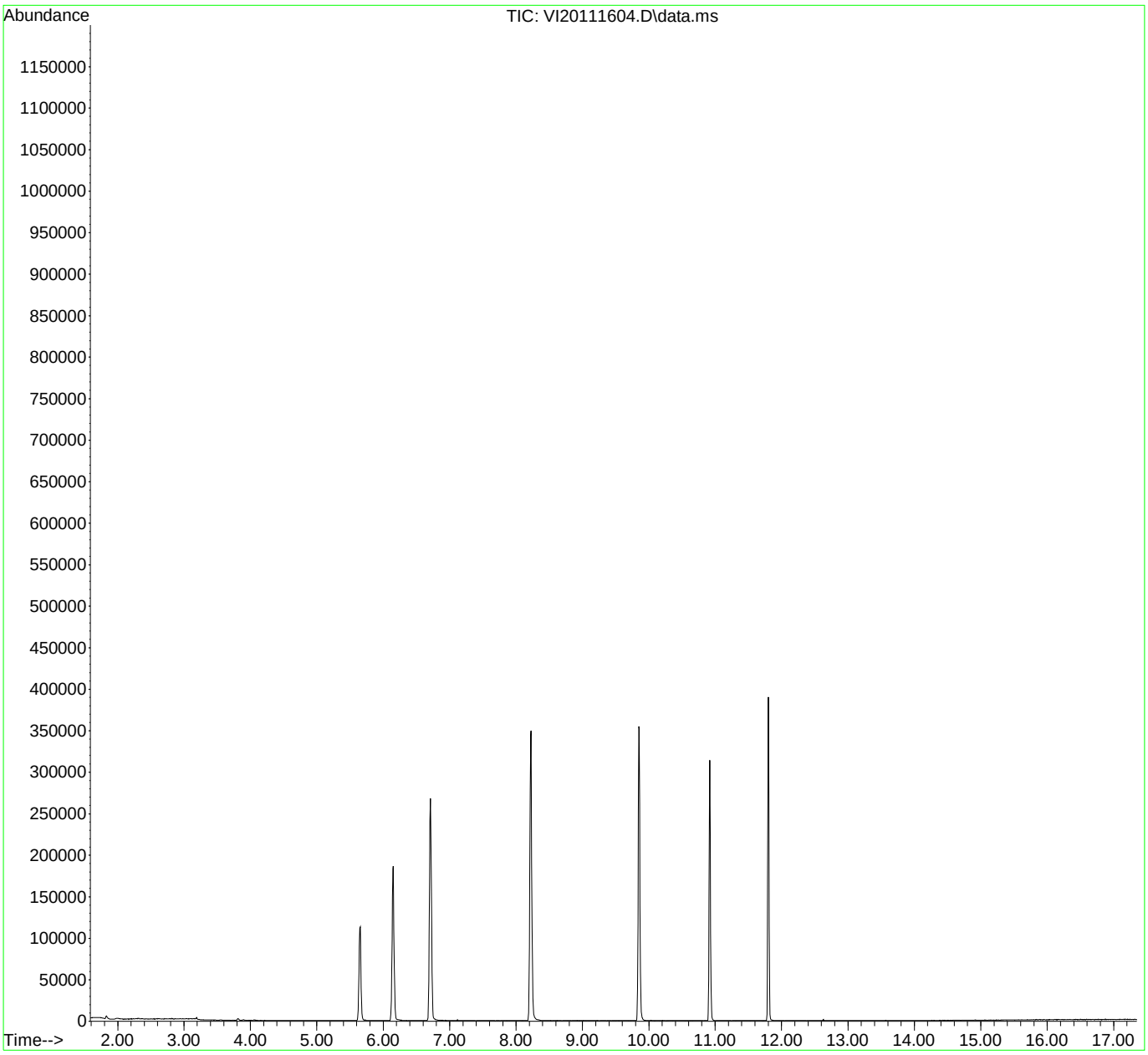
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K16056\
Data File : VI20111604.D
Acq On : 16 Nov 2020 1:18 pm
Operator : PS
Sample : 0110532-BLK1
Misc : 1X 5mL DI
ALS Vial : 4 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 17 09:52:03 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sun Nov 15 09:44:54 2020
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K16056\
Data File : VI20111604.D
Acq On : 16 Nov 2020 1:18 pm
Operator : PS
Sample : 0110532-BLK1
Misc : 1X 5mL DI 11/17/20 TNL
ALS Vial : 4 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 17 09:52:18 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sun Nov 15 09:44:54 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (I)	6.150	99	78610	50.00	ug/L	# 0.00
45) Chlorobenzene-d5 (I)	9.855	117	205188	50.00	ug/L	0.00
66) 1,4-Dichlorobenzene-d4...	11.802	152	87439	50.00	ug/L	0.00
System Monitoring Compounds						
32) Dibromofluoromethane (S)	5.645	111	76377	50.74	ug/L	0.00
39) 1,4-Difluorobenzene (S)	6.710	114	246032	50.01	ug/L	0.00
48) Toluene-d8 (S)	8.225	98	276832	51.43	ug/L	0.00
67) 4-Bromofluorobenzene (S)	10.920	174	77242	51.22	ug/L	0.00
Target Compounds						Qvalue
14) Methylene Chloride	3.814	84	966	0.62	ug/L	83
15) Acetone	3.893	43	995	1.10	ug/L	100
61) m,p-Xylenes (2)	10.031	91	434	0.10	ug/L	93

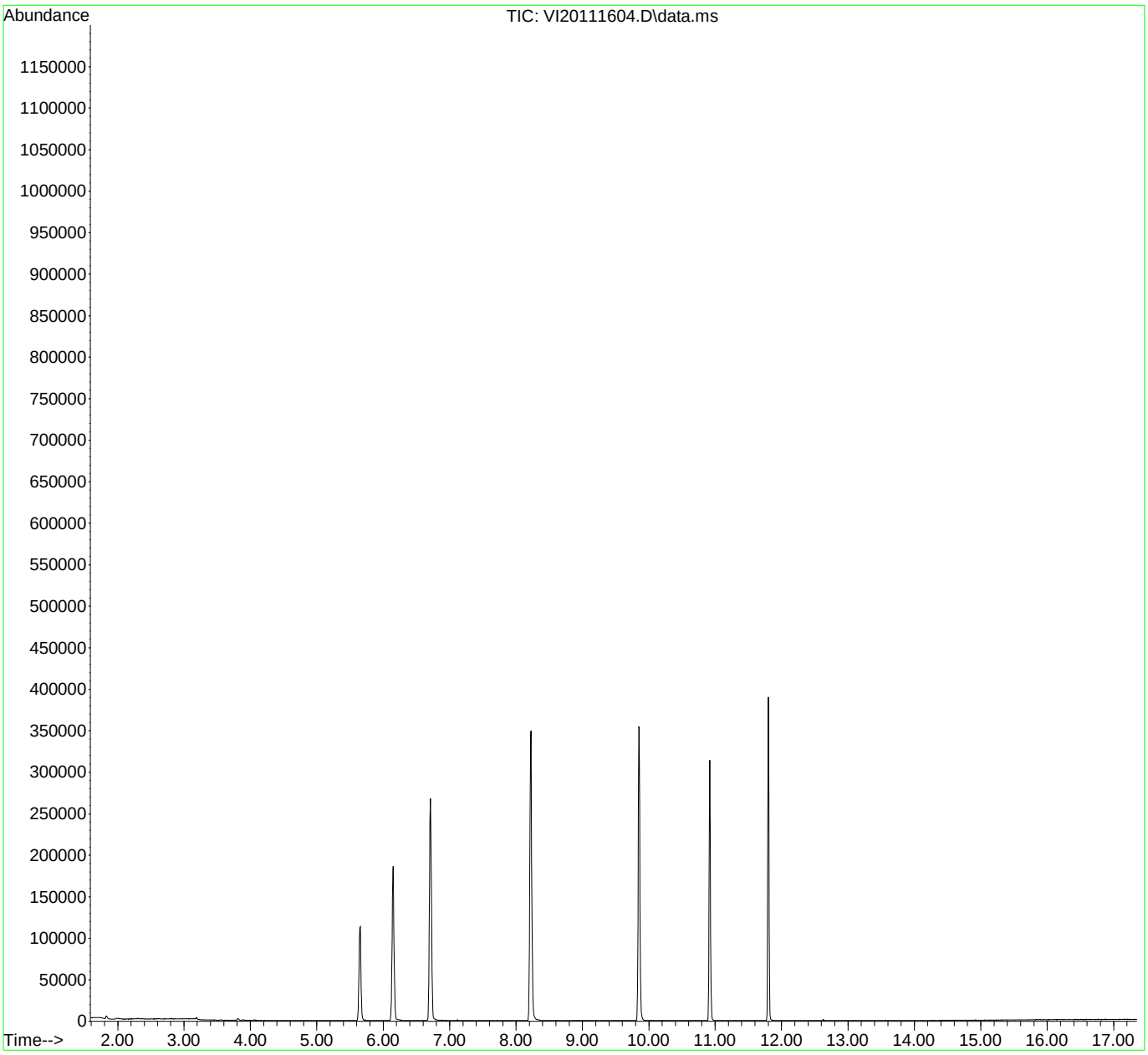
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K16056\
Data File : VI20111604.D
Acq On : 16 Nov 2020 1:18 pm
Operator : PS
Sample : 0110532-BLK1
Misc : 1X 5mL DI
ALS Vial : 4 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 17 09:52:18 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sun Nov 15 09:44:54 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K16056\
Data File : VI20111605.D
Acq On : 16 Nov 2020 1:46 pm
Operator : PS
Sample : A0K0482-06
Misc : 1X 5mL BTEX+HALO6 TB
ALS Vial : 5 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 17 09:52:32 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sun Nov 15 09:44:54 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (I)	6.150	99	79676	50.00	ug/L	# 0.00
45) Chlorobenzene-d5 (I)	9.855	117	206708	50.00	ug/L	0.00
66) 1,4-Dichlorobenzene-d4...	11.802	152	86762	50.00	ug/L	0.00
System Monitoring Compounds						
32) Dibromofluoromethane (S)	5.651	111	77594	50.86	ug/L	0.00
39) 1,4-Difluorobenzene (S)	6.710	114	250988	50.34	ug/L	0.00
48) Toluene-d8 (S)	8.224	98	279259	51.50	ug/L	0.00
67) 4-Bromofluorobenzene (S)	10.919	174	77162	51.57	ug/L	0.00
Target Compounds						Qvalue
3) Chloromethane	1.867	50	294	0.19	ug/L	# 47
6) Chloroethane	2.336	64	234	Below Cal		# 36
8) Ethanol	3.193	45	114	2.48	ug/L	# 29
10) Carbon Disulfide	3.199	76	520	0.14	ug/L	78
14) Methylene Chloride	3.814	84	905	0.58	ug/L	85
15) Acetone	3.893	43	3171	3.45	ug/L	98

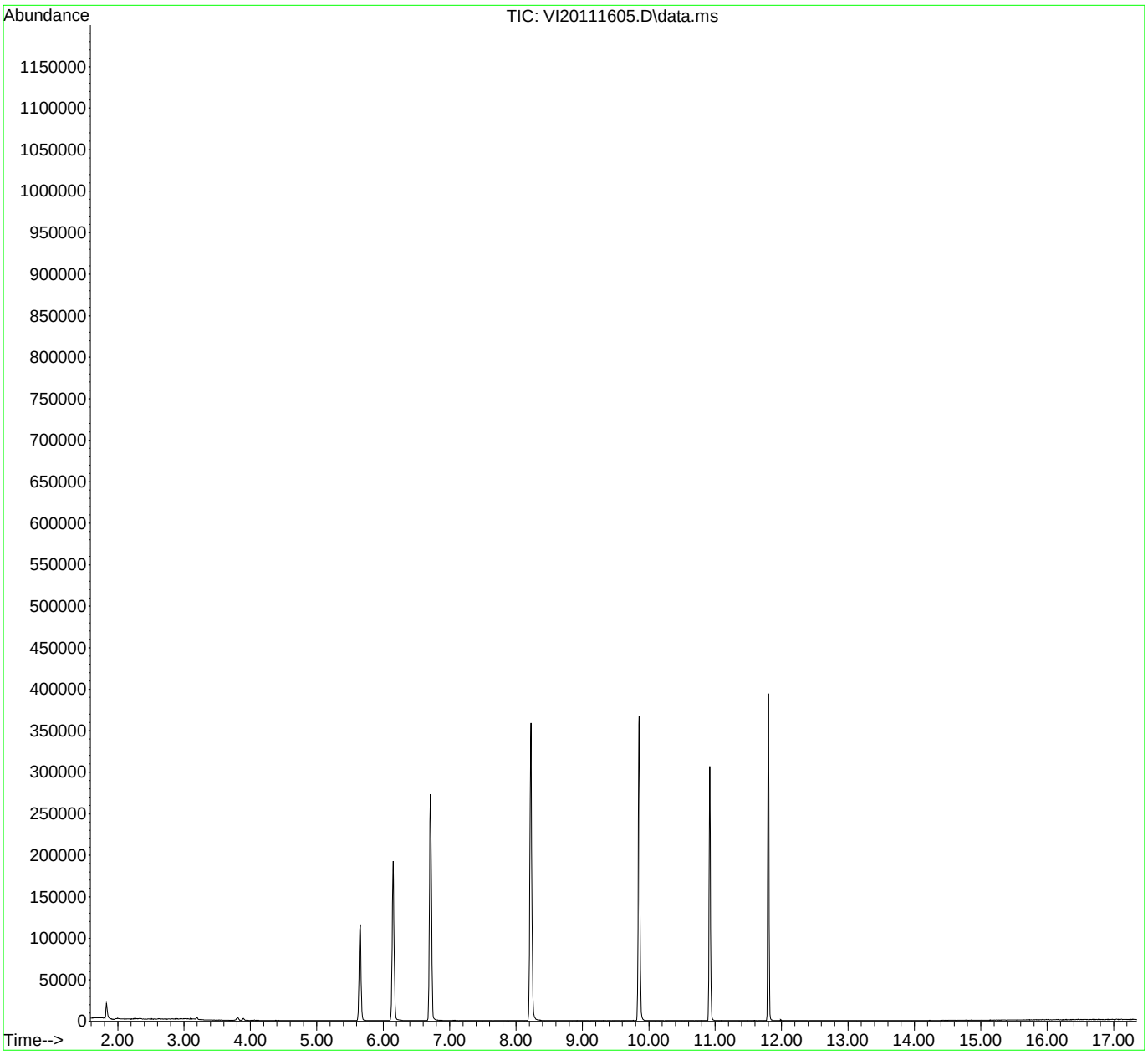
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K16056\
Data File : VI20111605.D
Acq On : 16 Nov 2020 1:46 pm
Operator : PS
Sample : A0K0482-06
Misc : 1X 5mL BTEX+HALO6 TB
ALS Vial : 5 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 17 09:52:32 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sun Nov 15 09:44:54 2020
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K16056\
Data File : VI20111605.D
Acq On : 16 Nov 2020 1:46 pm
Operator : PS
Sample : A0K0482-06
Misc : 1X 5mL BTEX+HALO6 TB
ALS Vial : 5 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 17 09:52:40 2020 11/17/20 TNL
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sun Nov 15 09:44:54 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (I)	6.150	99	79676	50.00	ug/L	# 0.00
45) Chlorobenzene-d5 (I)	9.855	117	206708	50.00	ug/L	0.00
66) 1,4-Dichlorobenzene-d4...	11.802	152	86762	50.00	ug/L	0.00
System Monitoring Compounds						
32) Dibromofluoromethane (S)	5.651	111	77594	50.86	ug/L	0.00
39) 1,4-Difluorobenzene (S)	6.710	114	250988	50.34	ug/L	0.00
48) Toluene-d8 (S)	8.224	98	279259	51.50	ug/L	0.00
67) 4-Bromofluorobenzene (S)	10.919	174	77162	51.57	ug/L	0.00
Target Compounds						Qvalue
6) Chloroethane	2.336	64	234	Below Cal	#	36
14) Methylene Chloride	3.814	84	905	0.58	ug/L	85
15) Acetone	3.893	43	3171	3.45	ug/L	98

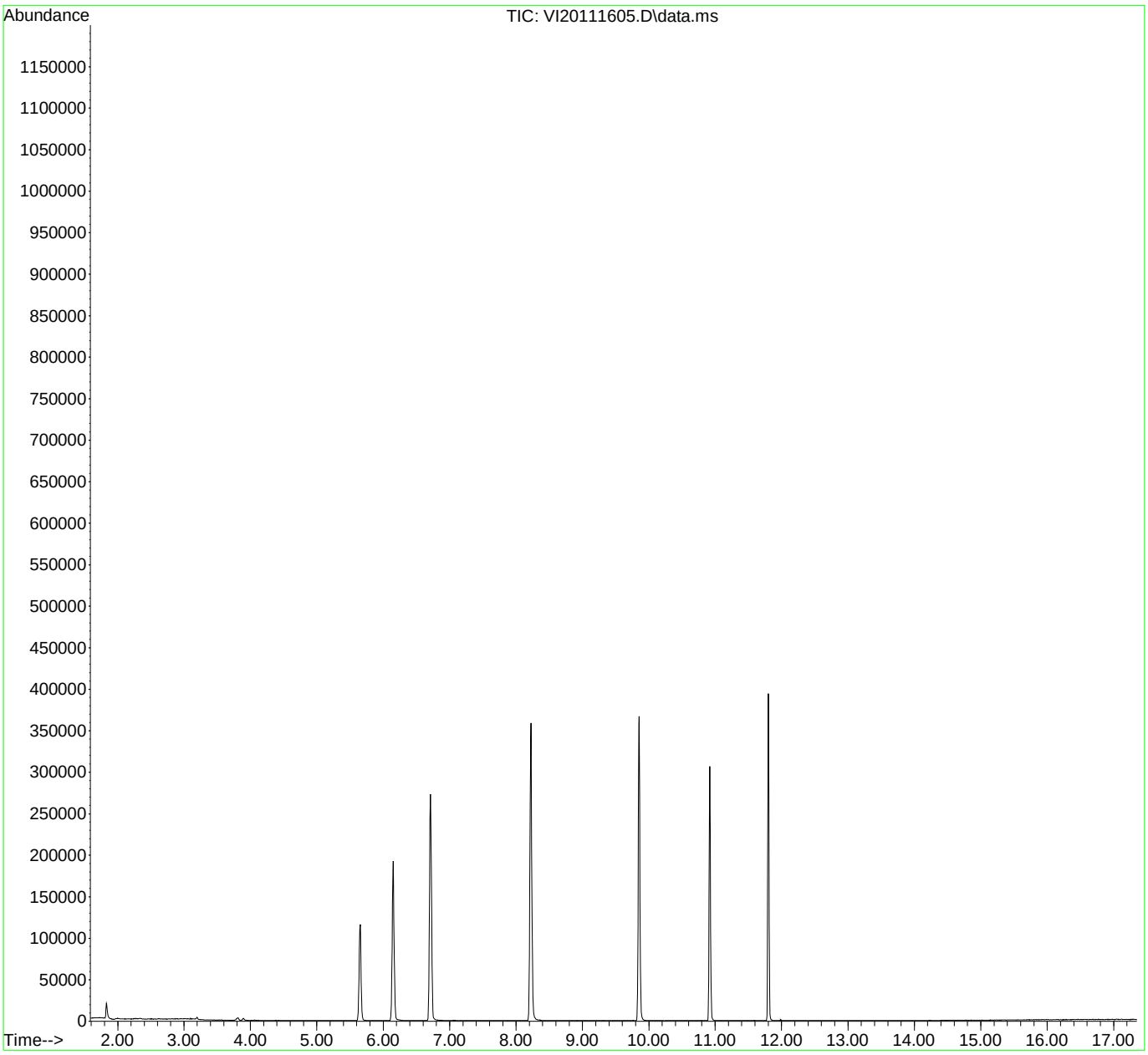
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K16056\
Data File : VI20111605.D
Acq On : 16 Nov 2020 1:46 pm
Operator : PS
Sample : A0K0482-06
Misc : 1X 5mL BTEX+HALO6 TB
ALS Vial : 5 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 17 09:52:40 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sun Nov 15 09:44:54 2020
Response via : Initial Calibration



Selected Volatile Organic Compounds by EPA 5035A/8260D
Calibration Data

Sequence 0K13048 (Cal ID A0K1604) VOA-GCMS9

ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence:	0K13048	Instrument:	VOA-GCMS9
Date:	**11/13/20 16:36**	Calibration:	**A0K1604**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0K13048-IBL1	Water	QC	QC			A20I024	
2	0K13048-IBL2	Water	QC	QC			A20I024	
3	0K13048-TUN1	Water	QC	QC			A20I024	
4	0K13048-ICB1	Water	QC	QC			A20I024	
5	0K13048-CAL1	Water	QC	QC			A20I024	A20K242
6	0K13048-CAL2	Water	QC	QC			A20I024	A20K243
7	0K13048-CAL3	Water	QC	QC			A20I024	A20K244
8	0K13048-CAL4	Water	QC	QC			A20I024	A20K245
9	0K13048-CAL5	Water	QC	QC			A20I024	A20K246
10	0K13048-CAL6	Water	QC	QC			A20I024	A20K247
11	0K13048-CAL7	Water	QC	QC			A20I024	A20K248
12	0K13048-CAL8	Water	QC	QC			A20I024	A20K249
13	0K13048-CAL9	Water	QC	QC			A20I024	A20K162
14	0K13048-IBL3	Water	QC	QC			A20I024	
15	0K13048-CALA	Water	QC	QC			A20I024	A20K163
16	0K13048-IBL4	Water	QC	QC			A20I024	
17	0K13048-CALB	Water	QC	QC			A20I024	A20K164
18	0K13048-IBL5	Water	QC	QC			A20I024	
19	0K13048-IBL6	Water	QC	QC			A20I024	
20	0K13048-ICV1	Water	QC	QC			A20I024	A20K165
21	0K13048-IBL7	Water	QC	QC			A20I024	
22	0K13048-TUN2	Water	QC	QC			A20I024	
23	0K13048-ICB2	Water	QC	QC			A20I024	
24	0K13048-RES1	Water	QC	QC			A20I024	A20I121
25	0K13048-IBL8	Water	QC	QC			A20I024	
26	0K13048-CALC	Water	QC	QC			A20I024	A20K166
27	0K13048-CALD	Water	QC	QC			A20I024	A20K167
28	0K13048-CALE	Water	QC	QC			A20I024	A20K168
29	0K13048-CALF	Water	QC	QC			A20I024	A20K169
30	0K13048-CALG	Water	QC	QC			A20I024	A20J323
31	0K13048-CALH	Water	QC	QC			A20I024	A20J324
32	0K13048-CALI	Water	QC	QC			A20I024	A20J325
33	0K13048-CALJ	Water	QC	QC			A20I024	A20J326
34	0K13048-IBL9	Water	QC	QC			A20I024	
35	0K13048-IBLA	Water	QC	QC			A20I024	
36	0K13048-ICV2	Water	QC	QC			A20I024	A20J406
37	0K13048-IBLB	Water	QC	QC			A20I024	

bromoform 1/2ppb due to intercept
TPHgC5-C9 & TPHgC6-C10 NR due to integration window -mm

NO IDOMETHANE FOR THIS CAL CURVE
EDB (MDL/MRL 0.5PPB/1PPB
~~BROMOMETHANE~~ (MDL/MRL 1PPB/2PPB)
GX CURVE HIGH POINT IS UP TO 5000PPB

Comments:

Data Entered By/Date: 11/15/20 TNL

Data Reviewed By/Date: mm 11/17/20

Calibration Status Report VOA-GCMS9

Method Path : C:\msdchem\1\methods\
Method File : VI201114W.M
Title : EPA 8260: Volatile Organic Compounds
Last Update : Sat Nov 14 15:49:22 2020
Response Via : Initial Calibration

11/15/20 TNL

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3	0.5	0	50	C:\msdchem\1\data\2020-11\0K13048\VI20111307.D
4	1	1	50	C:\msdchem\1\data\2020-11\0K13048\VI20111308.D
5	2	2	50	C:\msdchem\1\data\2020-11\0K13048\VI20111309.D
6	5	5	50	C:\msdchem\1\data\2020-11\0K13048\VI20111310.D
7	10	10	50	C:\msdchem\1\data\2020-11\0K13048\VI20111311.D
8	20	20	50	C:\msdchem\1\data\2020-11\0K13048\VI20111312.D
9	50	50	50	C:\msdchem\1\data\2020-11\0K13048\VI20111313.D
10	100	100	50	C:\msdchem\1\data\2020-11\0K13048\VI20111315.D
11	200	200	50	C:\msdchem\1\data\2020-11\0K13048\VI20111317.D

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2	0.2	Nov 14 15:49 2020	Nov 14 15:22 2020	13 Nov 2020 7:18 pm
3	0.5	Nov 14 15:49 2020	Nov 14 15:24 2020	13 Nov 2020 9:40 pm
4	1	Nov 14 15:49 2020	Nov 14 15:25 2020	13 Nov 2020 10:07 pm
5	2	Nov 14 15:49 2020	Nov 14 15:29 2020	13 Nov 2020 10:34 pm
6	5	Nov 14 15:49 2020	Nov 14 15:31 2020	13 Nov 2020 11:01 pm
7	10	Nov 14 15:49 2020	Nov 14 15:33 2020	13 Nov 2020 11:28 pm
8	20	Nov 14 15:49 2020	Nov 14 15:35 2020	13 Nov 2020 11:56 pm
9	50	Nov 14 15:49 2020	Nov 14 15:37 2020	14 Nov 2020 12:23 am
10	100	Nov 14 15:49 2020	Nov 14 15:41 2020	14 Nov 2020 1:17 am
11	200	Nov 14 15:49 2020	Nov 14 15:46 2020	14 Nov 2020 2:11 am

VI201114W.M Sat Nov 14 16:42:37 2020

Response Factor Report VOA-GCMS9

Method Path : C:\msdchem\1\methods\
Method File : VI201114W.M
Title : EPA 8260: Volatile Organic Compounds
Last Update : Sat Nov 14 15:49:22 2020
Response Via : Initial Calibration

Calibration Files
0.1 =VI20111305.D 0.2 =VI20111306.D 0.5 =VI20111307.D 1 =VI20111308.D 2 =VI20111309.D
5 =VI20111310.D 10 =VI20111311.D 20 =VI20111312.D 50 =VI20111313.D 100 =VI20111315.D
200 =VI20111317.D

		Compound	0.1	0.2	0.5	1	2	5	10	20	50	100	200	Avg	%RSD
1)	I	Pentafluorobenzene...	ISTD												
2)		Dichlorodifluo...			0.788	0.704	0.722	0.726	0.683	0.711	1.009	0.979	0.984	0.812	16.91
3)	P	Chloromethane				0.977	0.958	0.904	0.887	0.895	1.010	0.982	0.999	0.951	5.17
4)	C	Vinyl Chloride		0.900	1.069	1.017	1.028	1.023	0.986	1.003	1.151	1.136	1.127	1.044	7.47
5)		Bromomethane					0.794	0.699	0.666	0.619	0.595	0.543	0.526	0.634	14.77
6)		Chloroethane				0.512	0.484	0.413	0.375	0.289	0.367			0.407	20.13
7)		Trichlorofluor...		0.613	1.009	0.937	1.014	0.990	0.946	0.961	1.017	0.991	0.985	0.946	12.70
8)		Ethanol		0.036	0.032	0.026	0.028	0.027	0.028	0.028	0.027	0.028		0.029	10.23
9)	C	1,1-Dichloroet...		0.943	1.461	1.280	1.294	1.303	1.266	1.294	1.343	1.321	1.342	1.285	10.28
10)		Carbon Disulfide		2.118	2.436	2.231	2.334	2.253	2.180	2.239	2.387	2.371	2.424	2.297	4.72
11)		Freon 113				0.587	0.720	0.787	0.798	0.760	0.788	0.816	0.792	0.836	0.765	9.72
12)		Iodomethane												0.000	-1.00
13)		Acrolein						0.231	0.239	0.248	0.262	0.281	0.292	0.291	0.263	9.51

Method Path : C:\msdchem\1\methods\
Method File : VI201114W.M
Title : EPA 8260: Volatile Organic Compounds
Last Update : Sat Nov 14 15:49:22 2020

14)		Methylene Chlo...			1.153	1.020	0.979	0.950	0.946	0.931	0.927	0.987	8.11
15)		Acetone			0.690	0.607	0.566	0.557	0.546	0.537	0.531	0.576	9.72
16)		t-1,2-Dichloro...	0.914	1.225	1.153	1.238	1.230	1.228	1.250	1.292	1.297	1.307	1.214	9.42
17)		n-Hexane			0.125	0.147	0.147	0.151	0.167	0.160	0.172	0.153	10.14
18)		Methyl-tert-bu...	2.167	2.872	2.828	2.963	2.916	2.920	2.956	3.026	3.021	3.060	2.873	8.99
19)		tert-Butanol ...	0.279	0.278	0.249	0.272	0.270	0.275	0.277	0.276	0.278		0.273	3.41
20)		Diisopropyl et...			2.507	2.781	2.727	2.672	2.721	2.720	2.836		2.709	3.81
21)	P	1,1-Dichloroet...		1.671	1.604	1.719	1.645	1.662	1.675	1.699	1.703	1.706	1.676	2.15
22)		Acrylonitrile			0.445	0.501	0.547	0.567	0.590	0.588	0.590	0.547	10.12
23)		Ethyl-tert-but...			2.094	2.653	2.650	2.660	2.673	2.702	2.791		2.603	8.83
24)		Vinyl Acetate			1.702	1.993	2.078	2.197	2.266	2.383	2.412	2.310	2.168	10.91
25)		c-1,2-Dichloro...		1.270	1.135	1.245	1.244	1.235	1.271	1.298	1.296	1.299	1.255	4.09
26)		2,2-Dichloropr...	0.768	1.189	1.045	1.071	1.078	1.063	1.068	1.067	1.063	1.090	1.050	10.16
27)		Bromochloromet...		0.536	0.493	0.599	0.621	0.632	0.648	0.659	0.641	0.628	0.606	9.19
28)	C	Chloroform	1.278	1.608	1.552	1.669	1.641	1.648	1.660	1.687	1.685	1.697	1.613	7.76
29)		Carbon Tetrach...		0.919	0.930	0.998	1.012	1.015	1.061	1.105	1.117	1.197	1.039	8.66
30)		Tetrahydrofuran		0.520	0.525	0.551	0.566	0.559	0.579	0.588	0.585	0.584	0.562	4.62
31)		1,1,1-Trichlor...		1.325	1.294	1.379	1.413	1.374	1.416	1.437	1.432	1.490	1.396	4.30

Method Path : C:\msdchem\1\methods\
Method File : VI201114W.M
Title : EPA 8260: Volatile Organic Compounds
Last Update : Sat Nov 14 15:49:22 2020

32)	S	Dibromofluorom...	0.935	0.930	1.005	0.934	0.947	0.941	0.948	0.943	0.978	0.980	0.989	0.957	2.69
33)		1,1-Dichloropr...			1.143	1.108	1.219	1.226	1.198	1.239	1.259	1.254	1.291	1.215	4.78
34)		2-Butanone (MEK)				0.749	0.797	0.827	0.846	0.854	0.867	0.883	0.860	0.835	5.23
35)		Benzene	3.652	3.746	3.874	3.561	3.789	3.743	3.713	3.760	3.817	3.795	3.845	3.754	2.37
36)		tert-Amyl meth...				2.525	2.641	2.631	2.554	2.596	2.568	2.666		2.597	1.97
37)		1,2-Dichloroet...			1.116	1.147	1.269	1.305	1.320	1.348	1.360	1.362	1.349	1.286	7.24
38)		iso-Butyl Alcohol		0.091	0.100	0.094	0.100	0.100	0.103	0.106	0.111	0.109	0.102	0.101	6.08
39)	S	1,4-Difluorobe...	3.104	3.062	3.180	3.091	3.136	3.113	3.109	3.128	3.172	3.148	3.175	3.129	1.20
40)		Trichloroethen...			1.039	0.907	0.994	1.022	0.985	1.028	1.038	1.029	1.054	1.011	4.40
41)		Tert-Amyl-Ethy...				1.221	1.618	1.604	1.654	1.683	1.559	1.603		1.563	9.99
42)		Dibromomethane			0.430	0.510	0.598	0.622	0.623	0.644	0.659	0.662	0.672	0.602	13.45
43)	C	1,2-Dichloropr...				0.861	0.930	0.940	0.939	0.962	0.980	0.980	0.992	0.948	4.42
44)		Bromodichlorom...			0.997	1.041	1.142	1.130	1.157	1.198	1.256	1.285	1.308	1.168	9.05
45)		Chlorobenzene-d5 (I)	----------	----------	ISTD	----------	----------	----------	----------	----------	----------	----------	----------	----------	
46)		2-Chloroethyl ...						0.116	0.133	0.150	0.161	0.167	0.172	0.150	14.50
47)		c-1,3-Dichloro...			0.399	0.411	0.434	0.475	0.491	0.511	0.537	0.532	0.552	0.482	11.74
48)	S	Toluene-d8 (S)	1.342	1.340	1.307	1.336	1.333	1.319	1.312	1.297	1.298	1.273	1.270	1.312	1.94
49)	C	Toluene	1.580	1.401	1.486	1.459	1.437	1.445	1.392	1.408	1.406	1.394	1.410	1.438	3.88

Method Path : C:\msdchem\1\methods\
Method File : VI201114W.M
Title : EPA 8260: Volatile Organic Compounds
Last Update : Sat Nov 14 15:49:22 2020

50)		Tetrachloroeth...		0.289	0.301	0.354	0.370	0.362	0.342	0.352	0.352	0.351	0.371	0.344	8.08
51)		4-Methyl-2-Pen...		0.533	0.493	0.509	0.552	0.542	0.552	0.565	0.571	0.566	0.532	0.541	4.70
52)		t-1,3-Dichloro...				0.324	0.355	0.397	0.418	0.445	0.482	0.485	0.490	0.425	14.73
53)		1,1,2-Trichlor...			0.251	0.307	0.323	0.335	0.334	0.339	0.342	0.336	0.337	0.323	9.03
54)		Dibromochlorom...				0.256	0.283	0.286	0.294	0.321	0.344	0.349	0.358	0.311	11.84
55)		1,3-Dichloropr...			0.456	0.513	0.546	0.563	0.557	0.573	0.574	0.569	0.564	0.546	7.07
56)		1,2-Dibromoeth...			0.226	0.274	0.316	0.336	0.345	0.360	0.367	0.367	0.367	0.329	14.95
57)		2-Hexanone		0.287	0.313	0.354	0.375	0.385	0.402	0.416	0.424	0.419	0.396	0.377	12.26
58)	P	Chlorobenzene	0.811	0.840	0.876	0.877	0.923	0.920	0.898	0.914	0.904	0.907	0.916	0.890	4.03
59)	C	Ethylbenzene	1.420	1.480	1.516	1.519	1.548	1.526	1.489	1.502	1.505	1.509	1.551	1.506	2.37
60)		1,1,1,2-Tetrac...			0.205	0.233	0.271	0.276	0.282	0.292	0.307	0.318	0.331	0.279	14.36
61)		m,p-Xylenes (2)	1.070	1.041	1.069	1.010	1.069	1.103	1.089	1.119	1.131	1.147	1.190	1.094	4.66
62)		o-Xylene	1.129	0.936	1.044	1.064	1.084	1.118	1.114	1.148	1.152	1.159	1.196	1.104	6.43
63)		Styrene		0.764	0.676	0.707	0.791	0.827	0.859	0.908	0.934	0.950	0.980	0.840	12.45
64)	P	Bromoform				0.172	0.180	0.198	0.206	0.226	0.259	0.277	0.294	0.227	20.01
65)		Isopropylbenzene		1.185	1.244	1.207	1.293	1.327	1.321	1.374	1.364	1.364	1.420	1.310	5.88
66)	I	1,4-Dichlorobenzen...	----------ISTD----------												
67)	S	4-Bromofluorob...	0.904	0.912	0.845	0.906	0.903	0.883	0.865	0.852	0.828	0.798	0.791	0.862	5.06

Method Path : C:\msdchem\1\methods\
Method File : VI201114W.M
Title : EPA 8260: Volatile Organic Compounds
Last Update : Sat Nov 14 15:49:22 2020

68)		Bromobenzene		0.624	0.675	0.774	0.848	0.815	0.793	0.801	0.782	0.771	0.772	0.766	8.72
69)		n-Propylbenzene		2.971	3.115	3.065	3.232	3.319	3.265	3.375	3.226	3.188	3.263	3.202	3.79
70)	P	1,1,2,2-Tetrac...			0.517	0.630	0.668	0.679	0.670	0.662	0.651	0.630	0.613	0.636	7.78
71)		2-Chlorotoluene			0.618	0.659	0.696	0.704	0.693	0.707	0.683	0.674	0.690	0.680	4.07
72)		1,3,5-Trimethy...		2.001	1.974	1.993	2.148	2.216	2.246	2.315	2.226	2.237	2.322	2.168	6.12
73)		1,2,3-Trichlor...				0.315	0.340	0.358	0.354	0.338	0.330	0.320	0.315	0.334	4.99
74)		t-1,4-Dichloro...				0.140	0.189	0.210	0.211	0.220	0.214	0.207	0.204	0.199	12.85
75)		4-Chlorotoluene		1.897	1.852	1.985	2.031	2.068	2.057	2.090	2.011	2.001	2.011	2.000	3.72
76)		tert-Butylbenzene	1.119	1.082	1.217	1.227	1.303	1.322	1.309	1.325	1.253	1.223	1.260	1.240	6.45
77)		1,2,4-Trimethy...		1.556	1.859	1.922	2.003	2.179	2.217	2.295	2.238	2.235	2.300	2.080	11.62
78)		sec-Butylbenzene		2.617	2.648	2.436	2.629	2.759	2.696	2.806	2.686	2.626	2.740	2.664	3.83
79)		4-Isopropyltol...		1.713	2.049	1.867	2.007	2.128	2.202	2.305	2.222	2.212	2.316	2.102	9.27
80)		1,3-Dichlorobe...		1.053	1.278	1.215	1.327	1.326	1.332	1.351	1.325	1.319	1.342	1.287	7.09
81)		1,4-Dichlorobe...	1.422	1.247	1.427	1.384	1.368	1.360	1.371	1.391	1.360	1.345	1.361	1.367	3.47
82)		n-Butylbenzene			1.599	1.390	1.583	1.781	1.829	1.942	1.899	1.898	1.975	1.766	11.26
83)		1,2-Dichlorobe...		1.018	1.204	1.166	1.255	1.268	1.286	1.306	1.279	1.264	1.276	1.232	6.97
84)		1,2-Dibromo-3-...					0.190	0.217	0.234	0.244	0.262	0.268	0.273	0.241	12.52
85)		Hexachlorobuta...					0.140	0.173	0.186	0.202	0.190	0.186	0.198	0.182	11.41

Method Path : C:\msdchem\1\methods\
Method File : VI201114W.M
Title : EPA 8260: Volatile Organic Compounds
Last Update : Sat Nov 14 15:49:22 2020

86)	1,2,4-Trichlor...			0.510	0.546	0.601	0.682	0.699		0.608	13.56	
87)	Naphthalene	1.460	1.456	1.556	1.638	1.839	2.155	2.257	2.566	2.719	1.961	24.56
88)	1,2,3-Trichlor...	0.502	0.468	0.477	0.528	0.566	0.647	0.651		0.548	13.89	

(#) = Out of Range

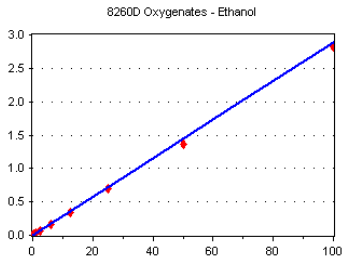
Element Calibration Review Sheet

Calibration ID: **A0K1604** Instrument: **VOA-GCMS9** Calibration Date: **11/16/2020**

Analysis: **8260D Oxygenates** Instrument Cal ID: **VI201114W.M/VI201114G.M**

Ethanol

Curve Fit: **AVERAGE RF**

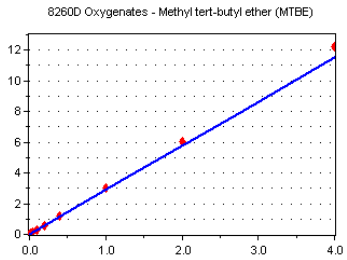


Standard	Concentration	Response	Response Factor	RT
~~0K13048-CAL1~~	~~6.25~~	~~0~~	~~0.000~~	~~0.00~~
0K13048-CAL2	12.5	775	3.554	3.19
0K13048-CAL3	25	1326	3.177	3.19
0K13048-CAL4	62.5	2854	2.604	3.19
0K13048-CAL5	125	6121	2.784	3.19
0K13048-CAL6	312	15191	2.727	3.19
0K13048-CAL7	625	31013	2.765	3.18
0K13048-CAL8	1250	62311	2.789	3.19
0K13048-CAL9	2500	120573	2.737	3.19
0K13048-CALA	5000	248506	0.028	3.19

AVE RF **2.884** RF RSD **10.23** AVE RT **3.19**

Methyl tert-butyl ether (MTBE)

Curve Fit: **AVERAGE RF**

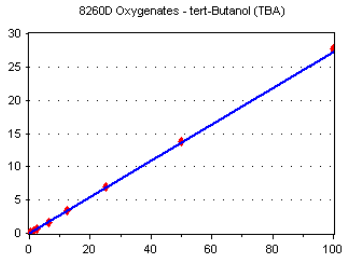


Standard	Concentration	Response	Response Factor	RT
~~0K13048-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
0K13048-CAL2	0.2	756	2.167	4.12
0K13048-CAL3	0.4	1918	2.872	4.11
0K13048-CAL4	1	4958	2.828	4.12
0K13048-CAL5	2	10425	2.963	4.11
0K13048-CAL6	5	26026	2.916	4.11
0K13048-CAL7	10	52418	2.920	4.11
0K13048-CAL8	20	105671	2.956	4.11
0K13048-CAL9	50	266647	3.026	4.11
0K13048-CALA	100	532019	3.021	4.11
0K13048-CALB	200	1111301	3.060	4.11

AVE RF **2.873** RF RSD **8.99** AVE RT **4.11**

tert-Butanol (TBA)

Curve Fit: **AVERAGE RF**

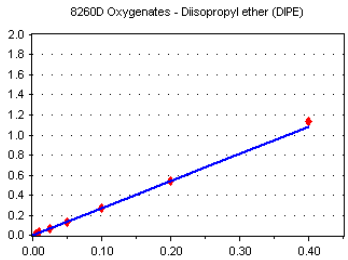


Standard	Concentration	Response	Response Factor	RT
~~0K13048-CAL1~~	~~6.25~~	~~4761~~	~~0.420~~	~~4.24~~
0K13048-CAL2	12.5	6087	0.279	4.25
0K13048-CAL3	25	11587	0.278	4.24
0K13048-CAL4	62.5	27302	0.249	4.24
0K13048-CAL5	125	59784	0.272	4.24
0K13048-CAL6	312	150471	0.270	4.24
0K13048-CAL7	625	308941	0.275	4.23
0K13048-CAL8	1250	618225	0.277	4.23
0K13048-CAL9	2500	1217666	0.276	4.23
0K13048-CALA	5000	2448970	0.278	4.24

AVE RF **0.273** RF RSD **3.41** AVE RT **4.24**

Diisopropyl ether (DIPE)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
~~0K13048-CAL1~~	~~0.025~~	~~0~~	~~0.000~~	~~0.00~~
~~0K13048-CAL2~~	~~0.05~~	~~0~~	~~0.000~~	~~0.00~~
~~0K13048-CAL3~~	~~0.1~~	~~349~~	~~2.090~~	~~0.00~~
0K13048-CAL4	0.25	1099	2.507	4.51
0K13048-CAL5	0.5	2446	2.781	4.51
0K13048-CAL6	1.25	6085	2.727	4.51
0K13048-CAL7	2.5	11990	2.672	4.51
0K13048-CAL8	5	24319	2.721	4.51
0K13048-CAL9	10	47934	2.720	4.50
0K13048-CALA	20	99898	2.836	4.51

AVE RF **2.709** RF RSD **3.81** AVE RT **4.51**

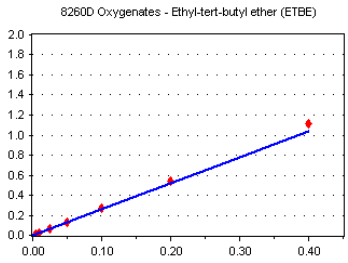
Element Calibration Review Sheet

Calibration ID: **A0K1604** Instrument: **VOA-GCMS9** Calibration Date: **11/16/2020**

Analysis: **8260D Oxygenates** Instrument Cal ID: **VI201114W.M/VI201114G.M**

Ethyl-tert-butyl ether (ETBE)

Curve Fit: **AVERAGE RF**

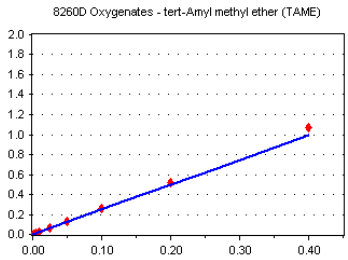


Standard	Concentration	Response	Response Factor	RT
~~0K13048-CAL1~~	~~0.025~~	~~0~~	~~0.000~~	~~0.00~~
~~0K13048-CAL2~~	~~0.05~~	~~0~~	~~0.000~~	~~0.00~~
~~0K13048-CAL3~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
0K13048-CAL4	0.25	918	2.094	4.88
0K13048-CAL5	0.5	2333	2.653	4.88
0K13048-CAL6	1.25	5913	2.650	4.88
0K13048-CAL7	2.5	11935	2.660	4.87
0K13048-CAL8	5	23886	2.673	4.88
0K13048-CAL9	10	47620	2.702	4.88
0K13048-CALA	20	98327	2.791	4.88

AVE RF **2.603** RF RSD **8.83** AVE RT **4.88**

tert-Amyl methyl ether (TAME)

Curve Fit: **AVERAGE RF**



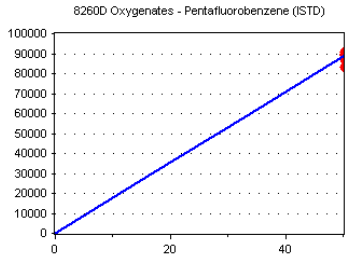
Standard	Concentration	Response	Response Factor	RT
~~0K13048-CAL1~~	~~0.025~~	~~0~~	~~0.000~~	~~0.00~~
~~0K13048-CAL2~~	~~0.05~~	~~0~~	~~0.000~~	~~0.00~~
~~0K13048-CAL3~~	~~0.1~~	~~280~~	~~1.677~~	~~0.00~~
0K13048-CAL4	0.25	1107	2.525	6.18
0K13048-CAL5	0.5	2323	2.641	6.18
0K13048-CAL6	1.25	5871	2.631	6.18
0K13048-CAL7	2.5	11460	2.554	6.18
0K13048-CAL8	5	23197	2.596	6.18
0K13048-CAL9	10	45262	2.568	6.17
0K13048-CALA	20	93921	2.666	6.18

AVE RF **2.482** RF RSD ~~**13.25**~~ AVE RT **5.41**

1.97 mm 11/17/20

Pentafluorobenzene (ISTD)

Curve Fit: **AVERAGE RF**



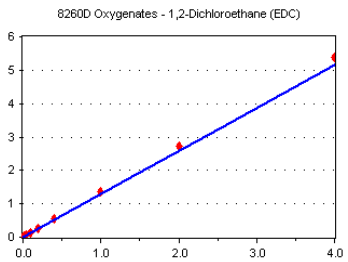
Standard	Concentration	Response	Response Factor	RT
0K13048-CAL1	50	90647	1812.940	6.15
0K13048-CAL2	50	87220	1744.400	6.15
0K13048-CAL3	50	83476	1669.520	6.15
0K13048-CAL4	50	87667	1753.340	6.15
0K13048-CAL5	50	87949	1758.980	6.15
0K13048-CAL6	50	89263	1785.260	6.15
0K13048-CAL7	50	89742	1794.840	6.15
0K13048-CAL8	50	89364	1787.280	6.15
0K13048-CAL9	50	88120	1762.400	6.15
0K13048-CALA	50	88064	1761.280	6.15
0K13048-CALB	50	90807	1816.140	6.14

AVE RF **1767.853** RF RSD **2.29** AVE RT **6.15**

icv checked/passed

1,2-Dichloroethane (EDC)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
~~0K13048-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K13048-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
0K13048-CAL3	0.4	745	1.116	6.28
0K13048-CAL4	1	2011	1.147	6.28
0K13048-CAL5	2	4465	1.269	6.27
0K13048-CAL6	5	11651	1.305	6.27
0K13048-CAL7	10	23694	1.320	6.27
0K13048-CAL8	20	48199	1.348	6.27
0K13048-CAL9	50	119844	1.360	6.27
0K13048-CALA	100	239958	1.362	6.27
0K13048-CALB	200	490114	1.349	6.27

AVE RF **1.286** RF RSD **7.24** AVE RT **6.27**

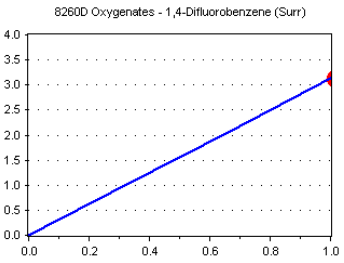
Element Calibration Review Sheet

Calibration ID: **A0K1604** Instrument: **VOA-GCMS9** Calibration Date: **11/16/2020**

Analysis: **8260D Oxygenates** Instrument Cal ID: **VI201114W.M/VI201114G.M**

1,4-Difluorobenzene (Surr)

Curve Fit: **AVERAGE RF**

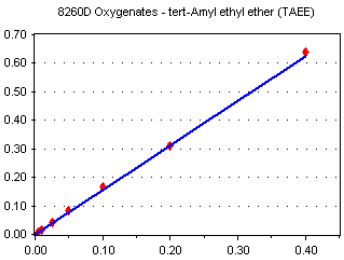


Standard	Concentration	Response	Response Factor	RT
0K13048-CAL1	50	281413	3.104	6.72
0K13048-CAL2	50	267089	3.062	6.72
0K13048-CAL3	50	265490	3.180	6.71
0K13048-CAL4	50	270997	3.091	6.72
0K13048-CAL5	50	275806	3.136	6.71
0K13048-CAL6	50	277886	3.113	6.72
0K13048-CAL7	50	278968	3.109	6.71
0K13048-CAL8	50	279513	3.128	6.71
0K13048-CAL9	50	279525	3.172	6.71
0K13048-CALA	50	277255	3.148	6.72
0K13048-CALB	50	288330	3.175	6.71

AVE RF **3.129** RF RSD **1.20** AVE RT **6.71**

tert-Amyl ethyl ether (TAEE)

Curve Fit: **AVERAGE RF**

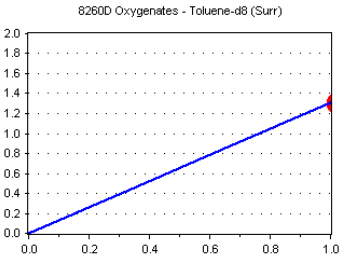


Standard	Concentration	Response	Response Factor	RT
~~0K13048-CAL1~~	~~0.025~~	~~0~~	~~0.000~~	~~0.00~~
~~0K13048-CAL2~~	~~0.05~~	~~0~~	~~0.000~~	~~0.00~~
~~0K13048-CAL3~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
0K13048-CAL4	0.25	535	1.221	6.93
0K13048-CAL5	0.5	1423	1.618	6.93
0K13048-CAL6	1.25	3580	1.604	6.92
0K13048-CAL7	2.5	7422	1.654	6.93
0K13048-CAL8	5	15042	1.683	6.93
0K13048-CAL9	10	27468	1.559	6.92
0K13048-CALA	20	56464	1.603	6.93

AVE RF **1.563** RF RSD **9.99** AVE RT **6.93**

Toluene-d8 (Surr)

Curve Fit: **AVERAGE RF**

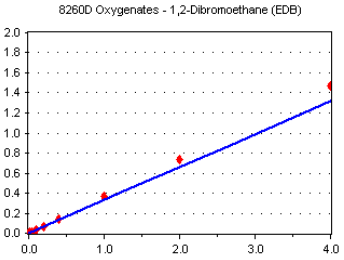


Standard	Concentration	Response	Response Factor	RT
0K13048-CAL1	50	315124	1.342	8.23
0K13048-CAL2	50	301650	1.340	8.22
0K13048-CAL3	50	287550	1.307	8.22
0K13048-CAL4	50	304086	1.336	8.22
0K13048-CAL5	50	308715	1.333	8.23
0K13048-CAL6	50	311216	1.319	8.22
0K13048-CAL7	50	317300	1.312	8.23
0K13048-CAL8	50	315549	1.297	8.22
0K13048-CAL9	50	312749	1.298	8.23
0K13048-CALA	50	312178	1.273	8.23
0K13048-CALB	50	322603	1.270	8.22

AVE RF **1.312** RF RSD **1.94** AVE RT **8.22**

1,2-Dibromoethane (EDB)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
~~0K13048-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K13048-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
0K13048-CAL3	0.4	398	0.226	9.36
0K13048-CAL4	1	1249	0.274	9.36
0K13048-CAL5	2	2931	0.316	9.37
0K13048-CAL6	5	7927	0.336	9.36
0K13048-CAL7	10	16672	0.345	9.36
0K13048-CAL8	20	34993	0.360	9.36
0K13048-CAL9	50	88513	0.367	9.36
0K13048-CALA	100	179841	0.367	9.36
0K13048-CALB	200	373274	0.367	9.36

AVE RF **0.329** RF RSD **14.95** AVE RT **9.36**

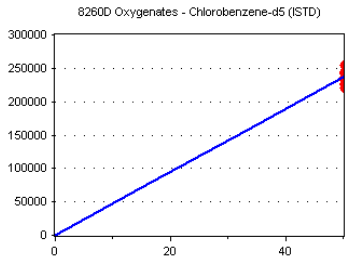
Element Calibration Review Sheet

Calibration ID: **A0K1604** Instrument: **VOA-GCMS9** Calibration Date: **11/16/2020**

Analysis: **8260D Oxygenates** Instrument Cal ID: **VI201114W.M/VI201114G.M**

Chlorobenzene-d5 (ISTD)

Curve Fit: **AVERAGE RF**

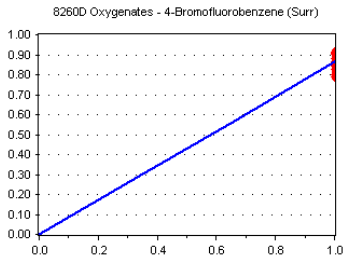


Standard	Concentration	Response	Response Factor	RT
0K13048-CAL1	50	234786	4695.720	9.86
0K13048-CAL2	50	225094	4501.880	9.86
0K13048-CAL3	50	220016	4400.320	9.86
0K13048-CAL4	50	227636	4552.720	9.86
0K13048-CAL5	50	231620	4632.400	9.86
0K13048-CAL6	50	235991	4719.820	9.86
0K13048-CAL7	50	241830	4836.600	9.86
0K13048-CAL8	50	243291	4865.820	9.86
0K13048-CAL9	50	240956	4819.120	9.86
0K13048-CALA	50	245190	4903.800	9.86
0K13048-CALB	50	254045	5080.900	9.86

AVE RF **4728.100** RF RSD **4.20** AVE RT **9.86**

4-Bromofluorobenzene (Surr)

Curve Fit: **AVERAGE RF**

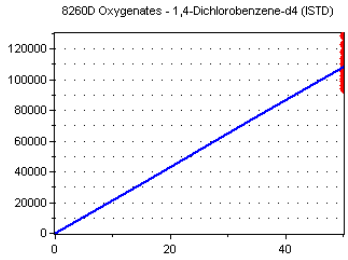


Standard	Concentration	Response	Response Factor	RT
0K13048-CAL1	50	89326	0.904	10.92
0K13048-CAL2	50	85520	0.912	10.92
0K13048-CAL3	50	86936	0.845	10.92
0K13048-CAL4	50	86991	0.906	10.92
0K13048-CAL5	50	90440	0.903	10.92
0K13048-CAL6	50	93222	0.883	10.92
0K13048-CAL7	50	95379	0.865	10.92
0K13048-CAL8	50	97178	0.852	10.92
0K13048-CAL9	50	97925	0.828	10.92
0K13048-CALA	50	98220	0.798	10.92
0K13048-CALB	50	101920	0.791	10.92

AVE RF **0.862** RF RSD **5.06** AVE RT **10.92**

1,4-Dichlorobenzene-d4 (ISTD)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0K13048-CAL1	50	98780	1975.600	11.80
0K13048-CAL2	50	93815	1876.300	11.80
0K13048-CAL3	50	102923	2058.460	11.80
0K13048-CAL4	50	95986	1919.720	11.80
0K13048-CAL5	50	100182	2003.640	11.80
0K13048-CAL6	50	105584	2111.680	11.80
0K13048-CAL7	50	110303	2206.060	11.80
0K13048-CAL8	50	114124	2282.480	11.80
0K13048-CAL9	50	118220	2364.400	11.80
0K13048-CALA	50	123086	2461.720	11.80
0K13048-CALB	50	128906	2578.120	11.80

AVE RF **2167.107** RF RSD **10.66** AVE RT **11.80**

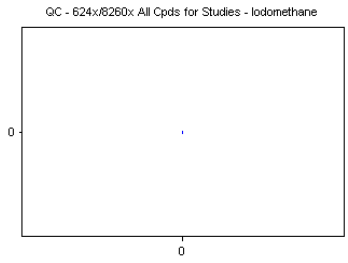
Element Calibration Review Sheet

Calibration ID: **A0K1604** Instrument: **VOA-GCMS9** Calibration Date: **11/16/2020**

Analysis: **QC - 624x/8260x All Cpds fo** Instrument Cal ID: **VI201114W.M/VI201114G.M**

Iodomethane

Curve Fit: **AVERAGE RF**

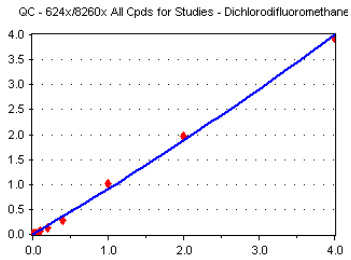


Standard	Concentration	Response	Response Factor	RT
~~0K13048-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K13048-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
~~0K13048-CAL3~~	~~0.4~~	~~0~~	~~0.000~~	~~0.00~~
~~0K13048-CAL4~~	~~1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K13048-CAL5~~	~~2~~	~~0~~	0.000	~~0.00~~
~~0K13048-CAL6~~	~~5~~	~~0~~	~~0.000~~	~~0.00~~
~~0K13048-CAL7~~	~~10~~	~~1475~~	~~8.218~~	~~3.33~~
~~0K13048-CAL8~~	~~20~~	~~6178~~	~~0.173~~	~~3.34~~
0K13048-CAL9	~~50~~	~~43280~~	~~0.491~~	3.33
~~0K13048-CALA~~	~~100~~	~~126398~~	~~0.718~~	~~3.34~~
~~0K13048-CALB~~	~~200~~	~~310593~~	~~0.855~~	~~3.33~~

AVE RF **0.000** RF RSD **0.00** AVE RT **0.00**

Dichlorodifluoromethane

Curve Fit: **QUADRATIC: Weighting: (1/a), Origin: Ignore**

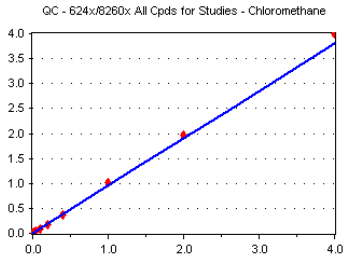


Standard	Concentration	Response	Response Factor	RT
~~0K13048-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K13048-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
0K13048-CAL3	0.4	526	0.788	1.66
0K13048-CAL4	1	1234	0.704	1.66
0K13048-CAL5	2	2539	0.722	1.65
0K13048-CAL6	5	6483	0.726	1.66
0K13048-CAL7	10	12256	0.683	1.65
0K13048-CAL8	20	25418	0.711	1.65
0K13048-CAL9	50	88888	1.009	1.65
0K13048-CALA	100	172346	0.979	1.65
0K13048-CALB	200	357472	0.984	1.65

AVE RF **0.812** RF RSD **16.91** AVE RT **1.65**

Chloromethane

Curve Fit: **AVERAGE RF**

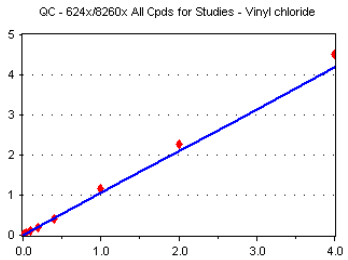


Standard	Concentration	Response	Response Factor	RT
~~0K13048-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K13048-CAL2~~	~~0.2~~	0	~~0.000~~	~~0.00~~
~~0K13048-CAL3~~	~~0.4~~	~~1210~~	~~1.812~~	~~1.87~~
0K13048-CAL4	1	1713	0.977	1.87
0K13048-CAL5	2	3370	0.958	1.87
0K13048-CAL6	5	8068	0.904	1.87
0K13048-CAL7	10	15923	0.887	1.87
0K13048-CAL8	20	31975	0.895	1.87
0K13048-CAL9	50	88996	1.010	1.86
0K13048-CALA	100	172986	0.982	1.87
0K13048-CALB	200	362722	0.999	1.86

AVE RF **0.951** RF RSD **5.17** AVE RT **1.87**

Vinyl chloride

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
~~0K13048-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
0K13048-CAL2	0.2	314	0.900	1.98
0K13048-CAL3	0.4	714	1.069	1.96
0K13048-CAL4	1	1783	1.017	1.97
0K13048-CAL5	2	3615	1.028	1.97
0K13048-CAL6	5	9128	1.023	1.97
0K13048-CAL7	10	17698	0.986	1.97
0K13048-CAL8	20	35859	1.003	1.97
0K13048-CAL9	50	101412	1.151	1.97
0K13048-CALA	100	200141	1.136	1.97
0K13048-CALB	200	409456	1.127	1.96

AVE RF **1.044** RF RSD **7.47** AVE RT **1.97**

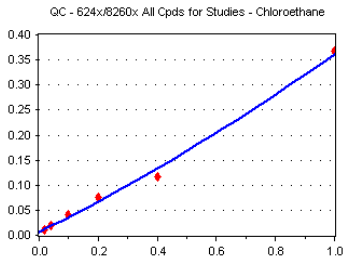
Element Calibration Review Sheet

Calibration ID: **A0K1604** Instrument: **VOA-GCMS9** Calibration Date: **11/16/2020**

Analysis: **QC - 624x/8260x All Cpds fo** Instrument Cal ID: **VI201114W.M/VI201114G.M**

Chloroethane

Curve Fit: **QUADRATIC: Weighting: (1/a), Origin: Ignore**

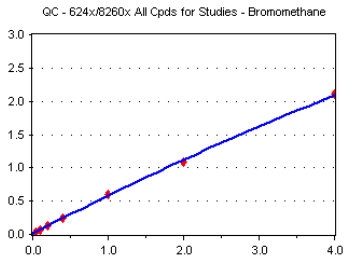


Standard	Concentration	Response	Response Factor	RT
~~0K13048-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K13048-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
~~0K13048-CAL3~~	~~0.4~~	~~650~~	~~0.973~~	~~0.00~~
0K13048-CAL4	1	898	0.512	0.00
0K13048-CAL5	2	1704	0.484	2.48
0K13048-CAL6	5	3690	0.413	2.48
0K13048-CAL7	10	6732	0.375	2.46
0K13048-CAL8	20	10347	0.289	2.46
0K13048-CAL9	50	32311	0.367	2.46
~~0K13048-CALA~~	~~100~~	~~28662~~	~~0.163~~	~~2.46~~
~~0K13048-CALB~~	~~200~~	~~46359~~	~~0.128~~	~~2.45~~

AVE RF **0.407** RF RSD **20.13** AVE RT **2.05**

Bromomethane

Curve Fit: **QUADRATIC: Weighting: (1/a), Origin: Ignore**

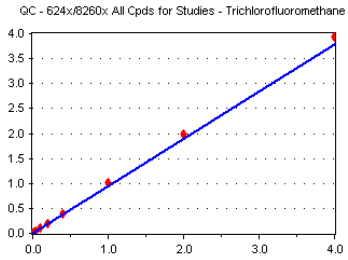


Standard	Concentration	Response	Response Factor	RT
~~0K13048-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K13048-CAL2~~	~~0.2~~	~~365~~	~~1.046~~	~~2.33~~
~~0K13048-CAL3~~	~~0.4~~	~~954~~	~~1.429~~	~~2.33~~
~~0K13048-CAL4~~	~~1~~	~~1405~~	~~0.801~~	~~2.33~~
0K13048-CAL5	2	2794	0.794	2.32
0K13048-CAL6	5	6238	0.699	2.33
0K13048-CAL7	10	11957	0.666	2.32
0K13048-CAL8	20	22109	0.619	2.33
0K13048-CAL9	50	52427	0.595	2.32
0K13048-CALA	100	95638	0.543	2.33
0K13048-CALB	200	190882	0.526	2.32

AVE RF **0.634** RF RSD **14.77** AVE RT **2.33**

Trichlorofluoromethane

Curve Fit: **AVERAGE RF**

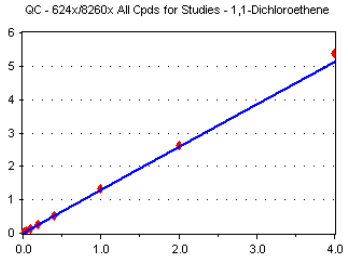


Standard	Concentration	Response	Response Factor	RT
~~0K13048-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
0K13048-CAL2	0.2	214	0.613	2.63
0K13048-CAL3	0.4	674	1.009	2.63
0K13048-CAL4	1	1643	0.937	2.63
0K13048-CAL5	2	3566	1.014	2.63
0K13048-CAL6	5	8839	0.990	2.63
0K13048-CAL7	10	16973	0.946	2.62
0K13048-CAL8	20	34357	0.961	2.62
0K13048-CAL9	50	89630	1.017	2.62
0K13048-CALA	100	174582	0.991	2.62
0K13048-CALB	200	357762	0.985	2.60

AVE RF **0.946** RF RSD **12.70** AVE RT **2.63**

1,1-Dichloroethene

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
~~0K13048-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
0K13048-CAL2	0.2	329	0.943	3.19
0K13048-CAL3	0.4	976	1.461	3.19
0K13048-CAL4	1	2244	1.280	3.19
0K13048-CAL5	2	4553	1.294	3.19
0K13048-CAL6	5	11630	1.303	3.19
0K13048-CAL7	10	22717	1.266	3.18
0K13048-CAL8	20	46239	1.294	3.19
0K13048-CAL9	50	118327	1.343	3.18
0K13048-CALA	100	232585	1.321	3.19
0K13048-CALB	200	487582	1.342	3.18

AVE RF **1.285** RF RSD **10.28** AVE RT **3.19**

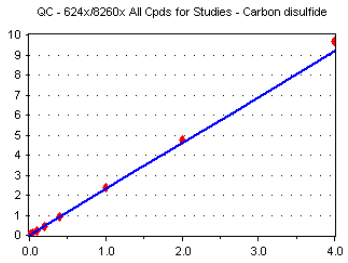
Element Calibration Review Sheet

Calibration ID: **A0K1604** Instrument: **VOA-GCMS9** Calibration Date: **11/16/2020**

Analysis: **QC - 624x/8260x All Cpds fo** Instrument Cal ID: **VI201114W.M/VI201114G.M**

Carbon disulfide

Curve Fit: **AVERAGE RF**

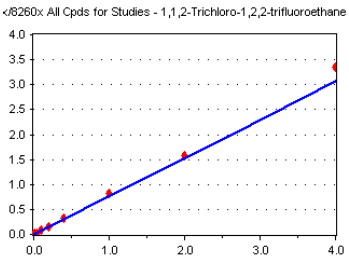


Standard	Concentration	Response	Response Factor	RT
~~0K13048-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
0K13048-CAL2	0.2	739	2.118	3.21
0K13048-CAL3	0.4	1627	2.436	3.21
0K13048-CAL4	1	3912	2.231	3.21
0K13048-CAL5	2	8210	2.334	3.21
0K13048-CAL6	5	20113	2.253	3.21
0K13048-CAL7	10	39119	2.180	3.20
0K13048-CAL8	20	80040	2.239	3.21
0K13048-CAL9	50	210364	2.387	3.20
0K13048-CALA	100	417677	2.371	3.20
0K13048-CALB	200	880325	2.424	3.19

AVE RF **2.297** RF RSD **4.72** AVE RT **3.20**

1,1,2-Trichloro-1,2,2-trifluoroetha

Curve Fit: **AVERAGE RF**

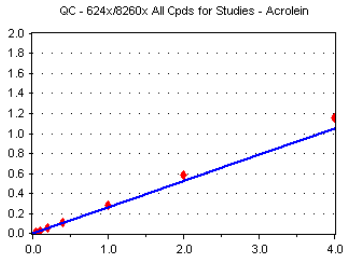


Standard	Concentration	Response	Response Factor	RT
~~0K13048-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K13048-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
0K13048-CAL3	0.4	392	0.587	3.24
0K13048-CAL4	1	1263	0.720	3.24
0K13048-CAL5	2	2770	0.787	3.24
0K13048-CAL6	5	7125	0.798	3.25
0K13048-CAL7	10	13638	0.760	3.24
0K13048-CAL8	20	28163	0.788	3.24
0K13048-CAL9	50	71945	0.816	3.24
0K13048-CALA	100	139433	0.792	3.24
0K13048-CALB	200	303596	0.836	3.23

AVE RF **0.765** RF RSD **9.72** AVE RT **3.24**

Acrolein

Curve Fit: **AVERAGE RF**

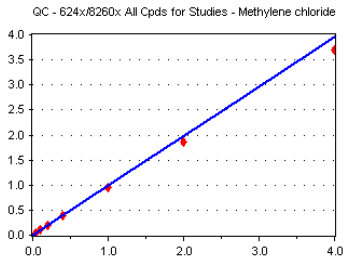


Standard	Concentration	Response	Response Factor	RT
~~0K13048-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K13048-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
~~0K13048-CAL3~~	~~0.4~~	~~0~~	~~0.000~~	~~0.00~~
~~0K13048-CAL4~~	~~1~~	~~291~~	~~0.166~~	~~3.57~~
0K13048-CAL5	2	811	0.231	3.58
0K13048-CAL6	5	2131	0.239	3.57
0K13048-CAL7	10	4460	0.248	3.57
0K13048-CAL8	20	9379	0.262	3.57
0K13048-CAL9	50	24795	0.281	3.57
0K13048-CALA	100	51368	0.292	3.57
0K13048-CALB	200	105518	0.291	3.56

AVE RF **0.263** RF RSD **9.51** AVE RT **3.57**

Methylene chloride

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
~~0K13048-CAL1~~	~~0.1~~	~~501~~	~~2.763~~	~~3.82~~
~~0K13048-CAL2~~	~~0.2~~	~~689~~	~~1.975~~	~~3.82~~
~~0K13048-CAL3~~	~~0.4~~	~~1056~~	~~1.581~~	~~3.82~~
~~0K13048-CAL4~~	~~1~~	~~2501~~	~~1.426~~	~~3.82~~
0K13048-CAL5	2	4055	1.153	3.82
0K13048-CAL6	5	9108	1.020	3.82
0K13048-CAL7	10	17580	0.979	3.82
0K13048-CAL8	20	33962	0.950	3.82
0K13048-CAL9	50	83401	0.946	3.81
0K13048-CALA	100	164010	0.931	3.82
0K13048-CALB	200	336542	0.927	3.81

AVE RF **0.987** RF RSD **8.11** AVE RT **3.82**

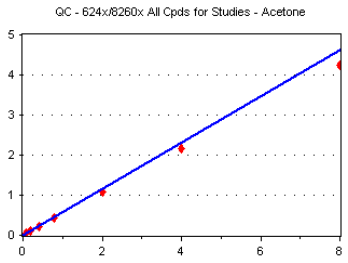
Element Calibration Review Sheet

Calibration ID: **A0K1604** Instrument: **VOA-GCMS9** Calibration Date: **11/16/2020**

Analysis: **QC - 624x/8260x All Cpds fo** Instrument Cal ID: **VI201114W.M/VI201114G.M**

Acetone

Curve Fit: **AVERAGE RF**

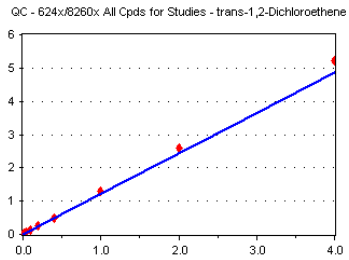


Standard	Concentration	Response	Response Factor	RT
~~0K13048-CAL1~~	~~0.2~~	~~1528~~	~~4.214~~	~~3.89~~
~~0K13048-CAL2~~	~~0.4~~	~~1525~~	~~2.186~~	~~3.90~~
~~0K13048-CAL3~~	~~0.8~~	~~2058~~	~~1.541~~	~~3.89~~
~~0K13048-CAL4~~	~~2~~	~~2873~~	~~0.819~~	~~3.89~~
0K13048-CAL5	4	4855	0.690	3.89
0K13048-CAL6	10	10830	0.607	3.89
0K13048-CAL7	20	20301	0.566	3.89
0K13048-CAL8	40	39831	0.557	3.89
0K13048-CAL9	100	96291	0.546	3.88
0K13048-CALA	200	189253	0.537	3.89
0K13048-CALB	400	385666	0.531	3.88

AVE RF **0.576** RF RSD **9.72** AVE RT **3.89**

trans-1,2-Dichloroethene

Curve Fit: **AVERAGE RF**

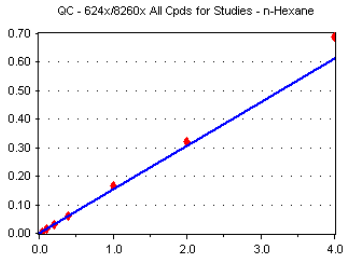


Standard	Concentration	Response	Response Factor	RT
~~0K13048-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
0K13048-CAL2	0.2	319	0.914	3.99
0K13048-CAL3	0.4	818	1.225	3.99
0K13048-CAL4	1	2022	1.153	3.99
0K13048-CAL5	2	4354	1.238	3.98
0K13048-CAL6	5	10982	1.230	3.99
0K13048-CAL7	10	22041	1.228	3.98
0K13048-CAL8	20	44691	1.250	3.98
0K13048-CAL9	50	113877	1.292	3.98
0K13048-CALA	100	228499	1.297	3.98
0K13048-CALB	200	474794	1.307	3.98

AVE RF **1.214** RF RSD **9.42** AVE RT **3.99**

n-Hexane

Curve Fit: **AVERAGE RF**

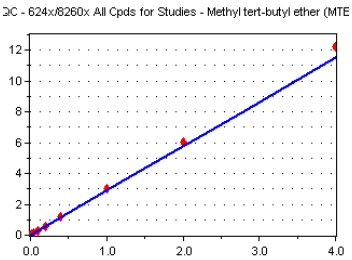


Standard	Concentration	Response	Response Factor	RT
~~0K13048-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K13048-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
~~0K13048-CAL3~~	~~0.4~~	~~0~~	~~0.000~~	~~0.00~~
~~0K13048-CAL4~~	~~1~~	~~0~~	~~0.000~~	~~0.00~~
0K13048-CAL5	2	441	0.125	4.06
0K13048-CAL6	5	1315	0.147	4.07
0K13048-CAL7	10	2630	0.147	4.07
0K13048-CAL8	20	5410	0.151	4.07
0K13048-CAL9	50	14715	0.167	4.06
0K13048-CALA	100	28218	0.160	4.06
0K13048-CALB	200	62377	0.172	4.06

AVE RF **0.153** RF RSD **10.14** AVE RT **4.06**

Methyl tert-butyl ether (MTBE)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
~~0K13048-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
0K13048-CAL2	0.2	756	2.167	4.12
0K13048-CAL3	0.4	1918	2.872	4.11
0K13048-CAL4	1	4958	2.828	4.12
0K13048-CAL5	2	10425	2.963	4.11
0K13048-CAL6	5	26026	2.916	4.11
0K13048-CAL7	10	52418	2.920	4.11
0K13048-CAL8	20	105671	2.956	4.11
0K13048-CAL9	50	266647	3.026	4.11
0K13048-CALA	100	532019	3.021	4.11
0K13048-CALB	200	1111301	3.060	4.11

AVE RF **2.873** RF RSD **8.99** AVE RT **4.11**

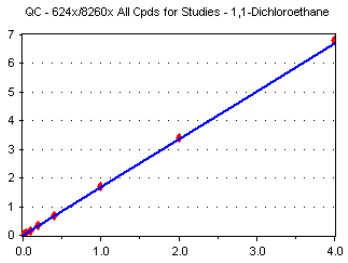
Element Calibration Review Sheet

Calibration ID: **A0K1604** Instrument: **VOA-GCMS9** Calibration Date: **11/16/2020**

Analysis: **QC - 624x/8260x All Cpds fo** Instrument Cal ID: **VI201114W.M/VI201114G.M**

1,1-Dichloroethane

Curve Fit: **AVERAGE RF**

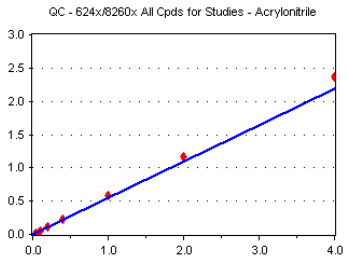


Standard	Concentration	Response	Response Factor	RT
~~0K13048-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K13048-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
0K13048-CAL3	0.4	1116	1.671	4.62
0K13048-CAL4	1	2812	1.604	4.63
0K13048-CAL5	2	6046	1.719	4.62
0K13048-CAL6	5	14688	1.645	4.63
0K13048-CAL7	10	29833	1.662	4.62
0K13048-CAL8	20	59877	1.675	4.63
0K13048-CAL9	50	149749	1.699	4.62
0K13048-CALA	100	299961	1.703	4.62
0K13048-CALB	200	619587	1.706	4.62

AVE RF **1.676** RF RSD **2.15** AVE RT **4.62**

Acrylonitrile

Curve Fit: **AVERAGE RF**

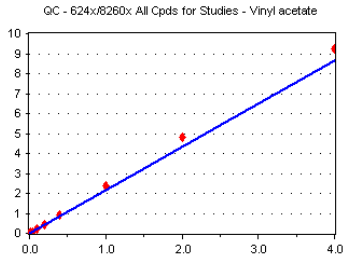


Standard	Concentration	Response	Response Factor	RT
~~0K13048-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K13048-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
~~0K13048-CAL3~~	~~0.4~~	~~0~~	~~0.000~~	0.00
~~0K13048-CAL4~~	~~1~~	~~646~~	~~0.368~~	~~4.71~~
0K13048-CAL5	2	1564	0.445	4.70
0K13048-CAL6	5	4474	0.501	4.70
0K13048-CAL7	10	9810	0.547	4.69
0K13048-CAL8	20	20267	0.567	4.69
0K13048-CAL9	50	51964	0.590	4.68
0K13048-CALA	100	103530	0.588	4.69
0K13048-CALB	200	214475	0.590	4.68

AVE RF **0.547** RF RSD **10.12** AVE RT **4.69**

Vinyl acetate

Curve Fit: **AVERAGE RF**

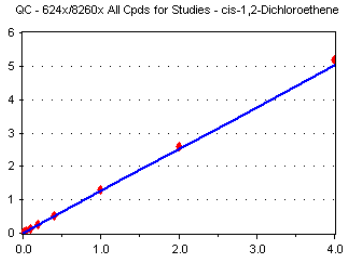


Standard	Concentration	Response	Response Factor	RT
~~0K13048-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K13048-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
~~0K13048-CAL3~~	~~0.4~~	~~0~~	~~0.000~~	~~0.00~~
0K13048-CAL4	1	2985	1.702	4.91
0K13048-CAL5	2	7013	1.993	4.90
0K13048-CAL6	5	18548	2.078	4.90
0K13048-CAL7	10	39428	2.197	4.90
0K13048-CAL8	20	81004	2.266	4.90
0K13048-CAL9	50	209953	2.383	4.89
0K13048-CALA	100	424872	2.412	4.90
0K13048-CALB	200	838927	2.310	4.89

AVE RF **2.168** RF RSD **10.91** AVE RT **4.90**

cis-1,2-Dichloroethene

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
~~0K13048-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K13048-CAL2~~	~~0.2~~	~~222~~	~~0.636~~	~~5.18~~
0K13048-CAL3	0.4	848	1.270	5.18
0K13048-CAL4	1	1990	1.135	5.18
0K13048-CAL5	2	4381	1.245	5.18
0K13048-CAL6	5	11102	1.244	5.18
0K13048-CAL7	10	22163	1.235	5.18
0K13048-CAL8	20	45441	1.271	5.18
0K13048-CAL9	50	114421	1.298	5.18
0K13048-CALA	100	228210	1.296	5.18
0K13048-CALB	200	471961	1.299	5.18

AVE RF **1.255** RF RSD **4.09** AVE RT **5.18**

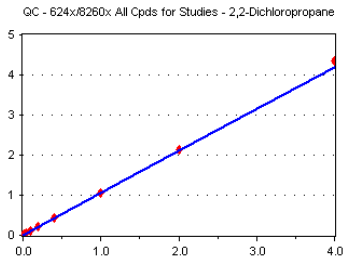
Element Calibration Review Sheet

Calibration ID: **A0K1604** Instrument: **VOA-GCMS9** Calibration Date: **11/16/2020**

Analysis: **QC - 624x/8260x All Cpds fo** Instrument Cal ID: **VI201114W.M/VI201114G.M**

2,2-Dichloropropane

Curve Fit: **AVERAGE RF**

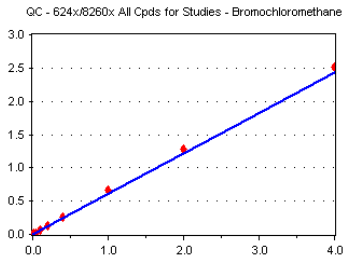


Standard	Concentration	Response	Response Factor	RT
~~0K13048-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
0K13048-CAL2	0.2	268	0.768	5.29
0K13048-CAL3	0.4	794	1.189	5.29
0K13048-CAL4	1	1833	1.045	5.29
0K13048-CAL5	2	3769	1.071	5.29
0K13048-CAL6	5	9625	1.078	5.29
0K13048-CAL7	10	19075	1.063	5.29
0K13048-CAL8	20	38171	1.068	5.29
0K13048-CAL9	50	94011	1.067	5.29
0K13048-CALA	100	187276	1.063	5.29
0K13048-CALB	200	395966	1.090	5.28

AVE RF **1.050** RF RSD **10.16** AVE RT **5.29**

Bromochloromethane

Curve Fit: **AVERAGE RF**

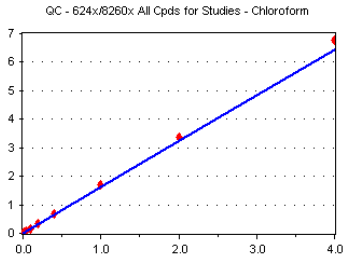


Standard	Concentration	Response	Response Factor	RT
~~0K13048-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K13048-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
0K13048-CAL3	0.4	358	0.536	5.38
0K13048-CAL4	1	865	0.493	5.38
0K13048-CAL5	2	2106	0.599	5.38
0K13048-CAL6	5	5544	0.621	5.39
0K13048-CAL7	10	11352	0.632	5.38
0K13048-CAL8	20	23157	0.648	5.38
0K13048-CAL9	50	58111	0.659	5.38
0K13048-CALA	100	112906	0.641	5.38
0K13048-CALB	200	227943	0.628	5.38

AVE RF **0.606** RF RSD **9.19** AVE RT **5.38**

Chloroform

Curve Fit: **AVERAGE RF**

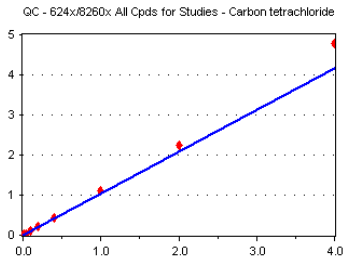


Standard	Concentration	Response	Response Factor	RT
~~0K13048-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
0K13048-CAL2	0.2	446	1.278	5.47
0K13048-CAL3	0.4	1074	1.608	5.46
0K13048-CAL4	1	2721	1.552	5.47
0K13048-CAL5	2	5873	1.669	5.47
0K13048-CAL6	5	14651	1.641	5.47
0K13048-CAL7	10	29577	1.648	5.46
0K13048-CAL8	20	59335	1.660	5.46
0K13048-CAL9	50	148631	1.687	5.46
0K13048-CALA	100	296707	1.685	5.46
0K13048-CALB	200	616521	1.697	5.46

AVE RF **1.613** RF RSD **7.76** AVE RT **5.47**

Carbon tetrachloride

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
~~0K13048-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K13048-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
0K13048-CAL3	0.4	614	0.919	5.59
0K13048-CAL4	1	1631	0.930	5.60
0K13048-CAL5	2	3511	0.998	5.60
0K13048-CAL6	5	9030	1.012	5.60
0K13048-CAL7	10	18220	1.015	5.60
0K13048-CAL8	20	37937	1.061	5.60
0K13048-CAL9	50	97361	1.105	5.60
0K13048-CALA	100	196709	1.117	5.60
0K13048-CALB	200	434628	1.197	5.59

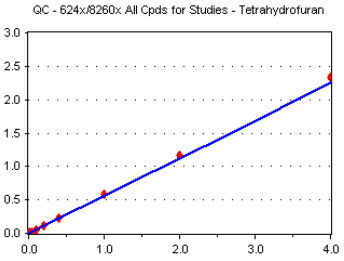
AVE RF **1.039** RF RSD **8.66** AVE RT **5.60**

Element Calibration Review Sheet

Calibration ID: **A0K1604** Instrument: **VOA-GCMS9** Calibration Date: **11/16/2020**

Analysis: **QC - 624x/8260x All Cpds fo** Instrument Cal ID: **VI201114W.M/VI201114G.M**

Tetrahydrofuran

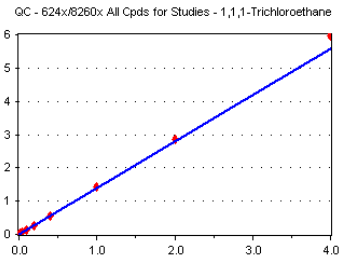


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
~~0K13048-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K13048-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
0K13048-CAL3	0.4	347	0.520	5.65
0K13048-CAL4	1	920	0.525	5.65
0K13048-CAL5	2	1937	0.551	5.65
0K13048-CAL6	5	5049	0.566	5.64
0K13048-CAL7	10	10031	0.559	5.64
0K13048-CAL8	20	20705	0.579	5.63
0K13048-CAL9	50	51858	0.588	5.63
0K13048-CALA	100	103090	0.585	5.63
0K13048-CALB	200	212266	0.584	5.63

AVE RF **0.562** RF RSD **4.62** AVE RT **5.64**

1,1,1-Trichloroethane

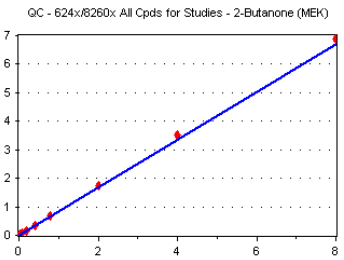


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
~~0K13048-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K13048-CAL2~~	~~0.2~~	~~281~~	~~0.805~~	~~5.68~~
0K13048-CAL3	0.4	885	1.325	5.67
0K13048-CAL4	1	2268	1.294	5.67
0K13048-CAL5	2	4853	1.379	5.67
0K13048-CAL6	5	12609	1.413	5.67
0K13048-CAL7	10	24668	1.374	5.67
0K13048-CAL8	20	50616	1.416	5.67
0K13048-CAL9	50	126609	1.437	5.67
0K13048-CALA	100	252188	1.432	5.67
0K13048-CALB	200	541340	1.490	5.66

AVE RF **1.396** RF RSD **4.30** AVE RT **5.67**

2-Butanone (MEK)

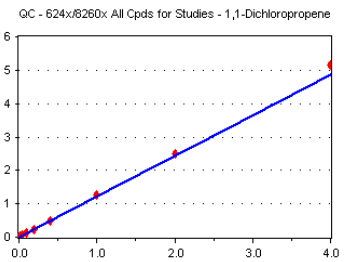


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
~~0K13048-CAL1~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
~~0K13048-CAL2~~	~~0.4~~	~~0~~	~~0.000~~	~~0.00~~
~~0K13048-CAL3~~	~~0.8~~	~~0~~	~~0.000~~	~~0.00~~
0K13048-CAL4	2	2625	0.749	5.80
0K13048-CAL5	4	5611	0.797	5.80
0K13048-CAL6	10	14761	0.827	5.79
0K13048-CAL7	20	30367	0.846	5.79
0K13048-CAL8	40	61024	0.854	5.79
0K13048-CAL9	100	152793	0.867	5.79
0K13048-CALA	200	310996	0.883	5.79
0K13048-CALB	400	625015	0.860	5.78

AVE RF **0.835** RF RSD **5.23** AVE RT **5.79**

1,1-Dichloropropene



Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
~~0K13048-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K13048-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
0K13048-CAL3	0.4	763	1.143	5.81
0K13048-CAL4	1	1943	1.108	5.80
0K13048-CAL5	2	4288	1.219	5.80
0K13048-CAL6	5	10942	1.226	5.80
0K13048-CAL7	10	21494	1.198	5.80
0K13048-CAL8	20	44301	1.239	5.80
0K13048-CAL9	50	110980	1.259	5.80
0K13048-CALA	100	220778	1.254	5.80
0K13048-CALB	200	469067	1.291	5.79

AVE RF **1.215** RF RSD **4.78** AVE RT **5.80**

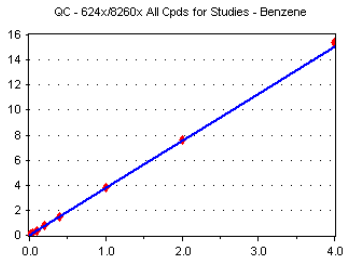
Element Calibration Review Sheet

Calibration ID: **A0K1604** Instrument: **VOA-GCMS9** Calibration Date: **11/16/2020**

Analysis: **QC - 624x/8260x All Cpds fo** Instrument Cal ID: **VI201114W.M/VI201114G.M**

Benzene

Curve Fit: **AVERAGE RF**

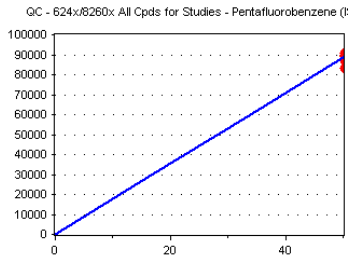


Standard	Concentration	Response	Response Factor	RT
0K13048-CAL1	0.1	662	3.652	6.06
0K13048-CAL2	0.2	1307	3.746	6.07
0K13048-CAL3	0.4	2587	3.874	6.06
0K13048-CAL4	1	6244	3.561	6.06
0K13048-CAL5	2	13329	3.789	6.06
0K13048-CAL6	5	33413	3.743	6.06
0K13048-CAL7	10	66637	3.713	6.05
0K13048-CAL8	20	134400	3.760	6.05
0K13048-CAL9	50	336336	3.817	6.05
0K13048-CALA	100	668370	3.795	6.05
0K13048-CALB	200	1396547	3.845	6.05

AVE RF **3.754** RF RSD **2.37** AVE RT **6.06**

Pentafluorobenzene (ISTD)

Curve Fit: **AVERAGE RF**

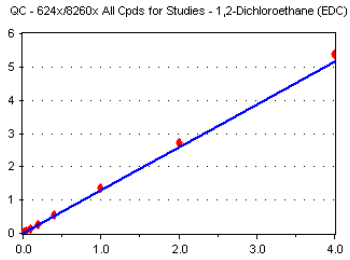


Standard	Concentration	Response	Response Factor	RT
0K13048-CAL1	50	90647	1812.940	6.15
0K13048-CAL2	50	87220	1744.400	6.15
0K13048-CAL3	50	83476	1669.520	6.15
0K13048-CAL4	50	87667	1753.340	6.15
0K13048-CAL5	50	87949	1758.980	6.15
0K13048-CAL6	50	89263	1785.260	6.15
0K13048-CAL7	50	89742	1794.840	6.15
0K13048-CAL8	50	89364	1787.280	6.15
0K13048-CAL9	50	88120	1762.400	6.15
0K13048-CALA	50	88064	1761.280	6.15
0K13048-CALB	50	90807	1816.140	6.14

AVE RF **1767.853** RF RSD **2.29** AVE RT **6.15**

1,2-Dichloroethane (EDC)

Curve Fit: **AVERAGE RF**

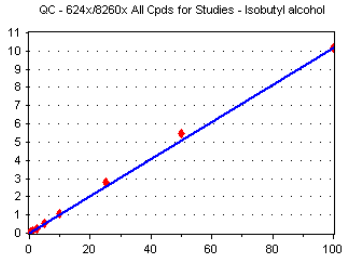


Standard	Concentration	Response	Response Factor	RT
~~0K13048-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K13048-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
0K13048-CAL3	0.4	745	1.116	6.28
0K13048-CAL4	1	2011	1.147	6.28
0K13048-CAL5	2	4465	1.269	6.27
0K13048-CAL6	5	11651	1.305	6.27
0K13048-CAL7	10	23694	1.320	6.27
0K13048-CAL8	20	48199	1.348	6.27
0K13048-CAL9	50	119844	1.360	6.27
0K13048-CALA	100	239958	1.362	6.27
0K13048-CALB	200	490114	1.349	6.27

AVE RF **1.286** RF RSD **7.24** AVE RT **6.27**

Isobutyl alcohol

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
~~0K13048-CAL1~~	~~2.5~~	~~605~~	~~0.133~~	~~6.33~~
0K13048-CAL2	5	794	9.103	6.33
0K13048-CAL3	10	1666	9.979	6.31
0K13048-CAL4	25	4126	9.413	6.31
0K13048-CAL5	50	8774	9.976	6.31
0K13048-CAL6	125	22217	9.956	6.31
0K13048-CAL7	250	46025	0.103	6.31
0K13048-CAL8	500	94553	0.106	6.31
0K13048-CAL9	1250	244161	0.111	6.30
0K13048-CALA	2500	481581	0.109	6.31
0K13048-CALB	5000	925976	0.102	6.31

AVE RF **0.101** RF RSD **6.08** AVE RT **6.31**

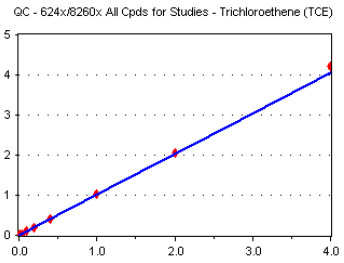
Element Calibration Review Sheet

Calibration ID: **A0K1604** Instrument: **VOA-GCMS9** Calibration Date: **11/16/2020**

Analysis: **QC - 624x/8260x All Cpds fo** Instrument Cal ID: **VI201114W.M/VI201114G.M**

Trichloroethene (TCE)

Curve Fit: **AVERAGE RF**

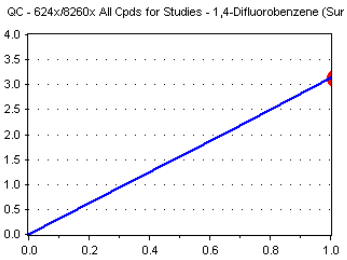


Standard	Concentration	Response	Response Factor	RT
~~0K13048-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K13048-CAL2~~	~~0.2~~	~~115~~	~~0.330~~	~~0.00~~
0K13048-CAL3	0.4	694	1.039	6.68
0K13048-CAL4	1	1591	0.907	6.68
0K13048-CAL5	2	3497	0.994	6.68
0K13048-CAL6	5	9124	1.022	6.68
0K13048-CAL7	10	17684	0.985	6.67
0K13048-CAL8	20	36762	1.028	6.67
0K13048-CAL9	50	91434	1.038	6.67
0K13048-CALA	100	181229	1.029	6.67
0K13048-CALB	200	382974	1.054	6.67

AVE RF **1.011** RF RSD **4.40** AVE RT **6.68**

1,4-Difluorobenzene (Surr)

Curve Fit: **AVERAGE RF**

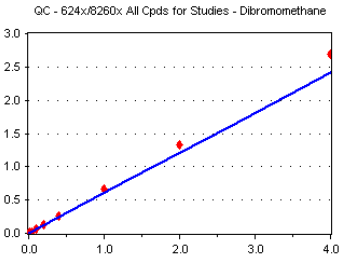


Standard	Concentration	Response	Response Factor	RT
0K13048-CAL1	50	281413	3.104	6.72
0K13048-CAL2	50	267089	3.062	6.72
0K13048-CAL3	50	265490	3.180	6.71
0K13048-CAL4	50	270997	3.091	6.72
0K13048-CAL5	50	275806	3.136	6.71
0K13048-CAL6	50	277886	3.113	6.72
0K13048-CAL7	50	278968	3.109	6.71
0K13048-CAL8	50	279513	3.128	6.71
0K13048-CAL9	50	279525	3.172	6.71
0K13048-CALA	50	277255	3.148	6.72
0K13048-CALB	50	288330	3.175	6.71

AVE RF **3.129** RF RSD **1.20** AVE RT **6.71**

Dibromomethane

Curve Fit: **AVERAGE RF**

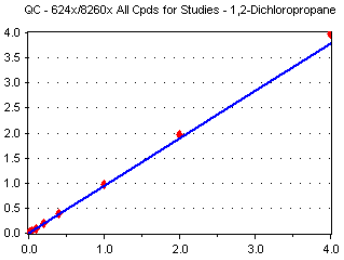


Standard	Concentration	Response	Response Factor	RT
~~0K13048-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K13048-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
0K13048-CAL3	0.4	287	0.430	7.14
0K13048-CAL4	1	894	0.510	7.14
0K13048-CAL5	2	2102	0.598	7.14
0K13048-CAL6	5	5548	0.622	7.13
0K13048-CAL7	10	11190	0.623	7.13
0K13048-CAL8	20	23028	0.644	7.13
0K13048-CAL9	50	58046	0.659	7.13
0K13048-CALA	100	116510	0.662	7.13
0K13048-CALB	200	244109	0.672	7.12

AVE RF **0.602** RF RSD **13.45** AVE RT **7.13**

1,2-Dichloropropane

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
~~0K13048-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K13048-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
~~0K13048-CAL3~~	~~0.4~~	~~0~~	~~0.000~~	~~0.00~~
0K13048-CAL4	1	1509	0.861	7.25
0K13048-CAL5	2	3271	0.930	7.24
0K13048-CAL6	5	8391	0.940	7.24
0K13048-CAL7	10	16855	0.939	7.23
0K13048-CAL8	20	34397	0.962	7.24
0K13048-CAL9	50	86368	0.980	7.24
0K13048-CALA	100	172626	0.980	7.24
0K13048-CALB	200	360313	0.992	7.23

AVE RF **0.948** RF RSD **4.42** AVE RT **7.24**

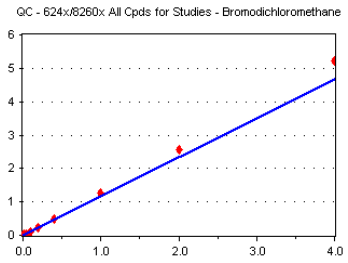
Element Calibration Review Sheet

Calibration ID: **A0K1604** Instrument: **VOA-GCMS9** Calibration Date: **11/16/2020**

Analysis: **QC - 624x/8260x All Cpds fo** Instrument Cal ID: **VI201114W.M/VI201114G.M**

Bromodichloromethane

Curve Fit: **AVERAGE RF**

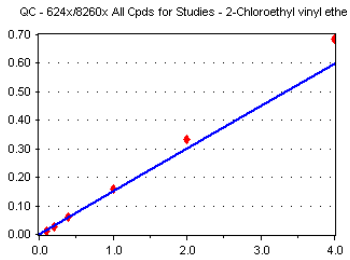


Standard	Concentration	Response	Response Factor	RT
~~0K13048-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K13048-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
0K13048-CAL3	0.4	666	0.997	7.31
0K13048-CAL4	1	1825	1.041	7.32
0K13048-CAL5	2	4019	1.142	7.31
0K13048-CAL6	5	10084	1.130	7.31
0K13048-CAL7	10	20770	1.157	7.31
0K13048-CAL8	20	42841	1.198	7.31
0K13048-CAL9	50	110686	1.256	7.31
0K13048-CALA	100	226288	1.285	7.31
0K13048-CALB	200	475169	1.308	7.31

AVE RF **1.168** RF RSD **9.05** AVE RT **7.31**

2-Chloroethyl vinyl ether

Curve Fit: **AVERAGE RF**

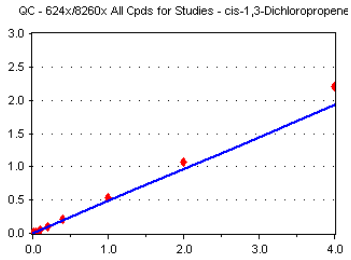


Standard	Concentration	Response	Response Factor	RT
~~0K13048-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K13048-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
~~0K13048-CAL3~~	~~0.4~~	~~0~~	~~0.000~~	0.00
~~0K13048-CAL4~~	~~1~~	~~261~~	~~5.733~~	~~7.96~~
~~0K13048-CAL5~~	~~2~~	~~898~~	~~0.097~~	~~7.96~~
0K13048-CAL6	5	2727	0.116	7.96
0K13048-CAL7	10	6438	0.133	7.95
0K13048-CAL8	20	14588	0.150	7.95
0K13048-CAL9	50	38742	0.161	7.95
0K13048-CALA	100	82059	0.167	7.95
0K13048-CALB	200	174439	0.172	7.95

AVE RF **0.150** RF RSD **14.50** AVE RT **7.95**

cis-1,3-Dichloropropene

Curve Fit: **AVERAGE RF**

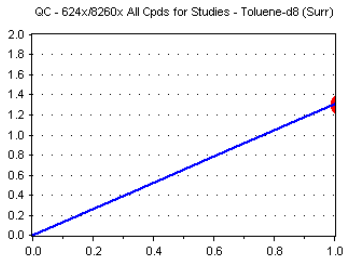


Standard	Concentration	Response	Response Factor	RT
~~0K13048-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K13048-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
0K13048-CAL3	0.4	702	0.399	8.02
0K13048-CAL4	1	1871	0.411	8.02
0K13048-CAL5	2	4019	0.434	8.02
0K13048-CAL6	5	11203	0.475	8.02
0K13048-CAL7	10	23724	0.491	8.02
0K13048-CAL8	20	49749	0.511	8.02
0K13048-CAL9	50	129364	0.537	8.02
0K13048-CALA	100	260834	0.532	8.02
0K13048-CALB	200	560875	0.552	8.02

AVE RF **0.482** RF RSD **11.74** AVE RT **8.02**

Toluene-d8 (Surr)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0K13048-CAL1	50	315124	1.342	8.23
0K13048-CAL2	50	301650	1.340	8.22
0K13048-CAL3	50	287550	1.307	8.22
0K13048-CAL4	50	304086	1.336	8.22
0K13048-CAL5	50	308715	1.333	8.23
0K13048-CAL6	50	311216	1.319	8.22
0K13048-CAL7	50	317300	1.312	8.23
0K13048-CAL8	50	315549	1.297	8.22
0K13048-CAL9	50	312749	1.298	8.23
0K13048-CALA	50	312178	1.273	8.23
0K13048-CALB	50	322603	1.270	8.22

AVE RF **1.312** RF RSD **1.94** AVE RT **8.22**

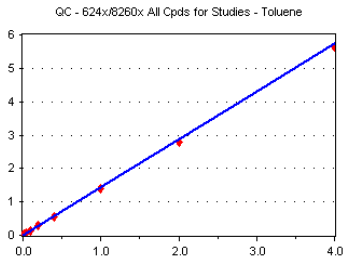
Element Calibration Review Sheet

Calibration ID: **A0K1604** Instrument: **VOA-GCMS9** Calibration Date: **11/16/2020**

Analysis: **QC - 624x/8260x All Cpds fo** Instrument Cal ID: **VI201114W.M/VI201114G.M**

Toluene

Curve Fit: **AVERAGE RF**

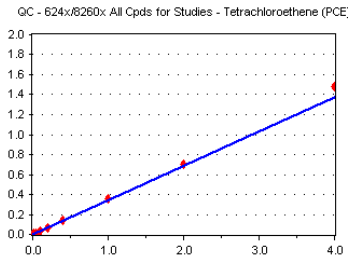


Standard	Concentration	Response	Response Factor	RT
0K13048-CAL1	0.1	742	1.580	8.29
0K13048-CAL2	0.2	1261	1.401	8.29
0K13048-CAL3	0.4	2615	1.486	8.29
0K13048-CAL4	1	6642	1.459	8.29
0K13048-CAL5	2	13315	1.437	8.29
0K13048-CAL6	5	34091	1.445	8.29
0K13048-CAL7	10	67328	1.392	8.29
0K13048-CAL8	20	136982	1.408	8.29
0K13048-CAL9	50	338804	1.406	8.28
0K13048-CALA	100	683403	1.394	8.29
0K13048-CALB	200	1432944	1.410	8.28

AVE RF **1.438** RF RSD **3.88** AVE RT **8.28**

Tetrachloroethene (PCE)

Curve Fit: **AVERAGE RF**

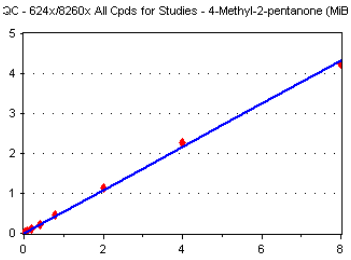


Standard	Concentration	Response	Response Factor	RT
~~0K13048-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
0K13048-CAL2	0.2	260	0.289	8.73
0K13048-CAL3	0.4	529	0.301	8.73
0K13048-CAL4	1	1611	0.354	8.73
0K13048-CAL5	2	3429	0.370	8.72
0K13048-CAL6	5	8548	0.362	8.73
0K13048-CAL7	10	16554	0.342	8.73
0K13048-CAL8	20	34263	0.352	8.73
0K13048-CAL9	50	84912	0.352	8.72
0K13048-CALA	100	172050	0.351	8.73
0K13048-CALB	200	377192	0.371	8.72

AVE RF **0.344** RF RSD **8.08** AVE RT **8.73**

4-Methyl-2-pentanone (MiBK)

Curve Fit: **AVERAGE RF**

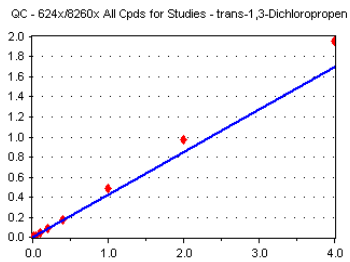


Standard	Concentration	Response	Response Factor	RT
~~0K13048-CAL1~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
0K13048-CAL2	0.4	959	0.533	8.74
0K13048-CAL3	0.8	1736	0.493	8.74
0K13048-CAL4	2	4633	0.509	8.74
0K13048-CAL5	4	10227	0.552	8.73
0K13048-CAL6	10	25567	0.542	8.73
0K13048-CAL7	20	53426	0.552	8.73
0K13048-CAL8	40	110026	0.565	8.73
0K13048-CAL9	100	275151	0.571	8.72
0K13048-CALA	200	554729	0.566	8.73
0K13048-CALB	400	1080260	0.532	8.72

AVE RF **0.541** RF RSD **4.70** AVE RT **8.73**

trans-1,3-Dichloropropene

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
~~0K13048-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K13048-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
~~0K13048-CAL3~~	~~0.4~~	~~0~~	~~0.000~~	~~0.00~~
0K13048-CAL4	1	1475	0.324	8.78
0K13048-CAL5	2	3290	0.355	8.77
0K13048-CAL6	5	9371	0.397	8.77
0K13048-CAL7	10	20231	0.418	8.77
0K13048-CAL8	20	43342	0.445	8.77
0K13048-CAL9	50	116190	0.482	8.77
0K13048-CALA	100	237738	0.485	8.77
0K13048-CALB	200	497926	0.490	8.77

AVE RF **0.425** RF RSD **14.73** AVE RT **8.77**

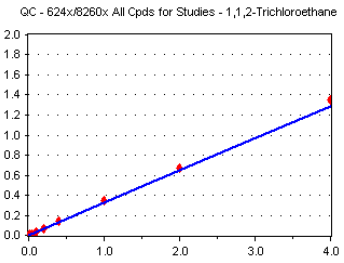
Element Calibration Review Sheet

Calibration ID: **A0K1604** Instrument: **VOA-GCMS9** Calibration Date: **11/16/2020**

Analysis: **QC - 624x/8260x All Cpds fo** Instrument Cal ID: **VI201114W.M/VI201114G.M**

1,1,2-Trichloroethane

Curve Fit: **AVERAGE RF**

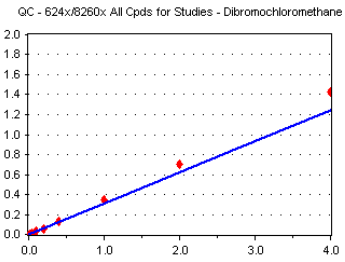


Standard	Concentration	Response	Response Factor	RT
~~0K13048-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K13048-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
0K13048-CAL3	0.4	441	0.251	8.94
0K13048-CAL4	1	1397	0.307	8.94
0K13048-CAL5	2	2989	0.323	8.94
0K13048-CAL6	5	7896	0.335	8.94
0K13048-CAL7	10	16169	0.334	8.94
0K13048-CAL8	20	33033	0.339	8.94
0K13048-CAL9	50	82459	0.342	8.94
0K13048-CALA	100	164943	0.336	8.94
0K13048-CALB	200	342523	0.337	8.94

AVE RF **0.323** RF RSD **9.03** AVE RT **8.94**

Dibromochloromethane

Curve Fit: **AVERAGE RF**

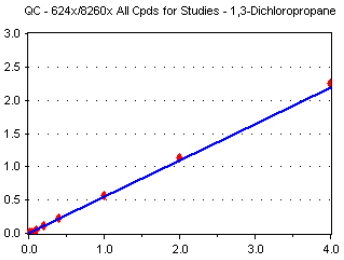


Standard	Concentration	Response	Response Factor	RT
~~0K13048-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K13048-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
~~0K13048-CAL3~~	~~0.4~~	~~376~~	~~0.214~~	~~9.13~~
0K13048-CAL4	1	1165	0.256	9.13
0K13048-CAL5	2	2625	0.283	9.13
0K13048-CAL6	5	6748	0.286	9.13
0K13048-CAL7	10	14229	0.294	9.13
0K13048-CAL8	20	31273	0.321	9.13
0K13048-CAL9	50	82823	0.344	9.13
0K13048-CALA	100	170999	0.349	9.13
0K13048-CALB	200	363766	0.358	9.13

AVE RF **0.311** RF RSD **11.84** AVE RT **9.13**

1,3-Dichloropropane

Curve Fit: **AVERAGE RF**

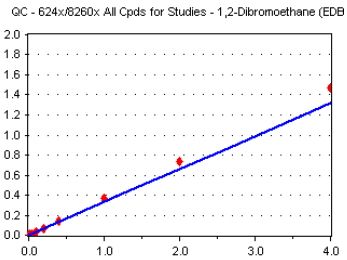


Standard	Concentration	Response	Response Factor	RT
~~0K13048-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K13048-CAL2~~	~~0.2~~	~~247~~	~~0.274~~	~~9.23~~
0K13048-CAL3	0.4	803	0.456	9.22
0K13048-CAL4	1	2336	0.513	9.23
0K13048-CAL5	2	5056	0.546	9.22
0K13048-CAL6	5	13284	0.563	9.23
0K13048-CAL7	10	26929	0.557	9.22
0K13048-CAL8	20	55738	0.573	9.22
0K13048-CAL9	50	138414	0.574	9.22
0K13048-CALA	100	278910	0.569	9.22
0K13048-CALB	200	573184	0.564	9.22

AVE RF **0.546** RF RSD **7.07** AVE RT **9.22**

1,2-Dibromoethane (EDB)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
~~0K13048-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K13048-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
0K13048-CAL3	0.4	398	0.226	9.36
0K13048-CAL4	1	1249	0.274	9.36
0K13048-CAL5	2	2931	0.316	9.37
0K13048-CAL6	5	7927	0.336	9.36
0K13048-CAL7	10	16672	0.345	9.36
0K13048-CAL8	20	34993	0.360	9.36
0K13048-CAL9	50	88513	0.367	9.36
0K13048-CALA	100	179841	0.367	9.36
0K13048-CALB	200	373274	0.367	9.36

AVE RF **0.329** RF RSD **14.95** AVE RT **9.36**

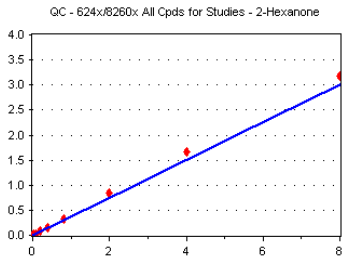
Element Calibration Review Sheet

Calibration ID: **A0K1604** Instrument: **VOA-GCMS9** Calibration Date: **11/16/2020**

Analysis: **QC - 624x/8260x All Cpds fo** Instrument Cal ID: **VI201114W.M/VI201114G.M**

2-Hexanone

Curve Fit: **AVERAGE RF**

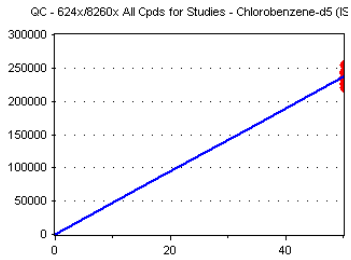


Standard	Concentration	Response	Response Factor	RT
~~0K13048-CAL1~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
0K13048-CAL2	0.4	516	0.287	9.61
0K13048-CAL3	0.8	1103	0.313	9.60
0K13048-CAL4	2	3224	0.354	9.60
0K13048-CAL5	4	6945	0.375	9.59
0K13048-CAL6	10	18158	0.385	9.59
0K13048-CAL7	20	38843	0.402	9.59
0K13048-CAL8	40	81022	0.416	9.59
0K13048-CAL9	100	204160	0.424	9.59
0K13048-CALA	200	410486	0.419	9.59
0K13048-CALB	400	804833	0.396	9.59

AVE RF **0.377** RF RSD **12.26** AVE RT **9.59**

Chlorobenzene-d5 (ISTD)

Curve Fit: **AVERAGE RF**

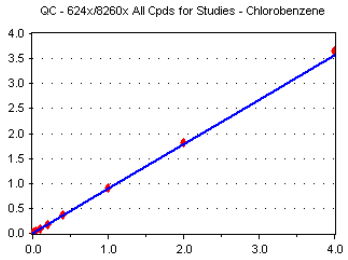


Standard	Concentration	Response	Response Factor	RT
0K13048-CAL1	50	234786	4695.720	9.86
0K13048-CAL2	50	225094	4501.880	9.86
0K13048-CAL3	50	220016	4400.320	9.86
0K13048-CAL4	50	227636	4552.720	9.86
0K13048-CAL5	50	231620	4632.400	9.86
0K13048-CAL6	50	235991	4719.820	9.86
0K13048-CAL7	50	241830	4836.600	9.86
0K13048-CAL8	50	243291	4865.820	9.86
0K13048-CAL9	50	240956	4819.120	9.86
0K13048-CALA	50	245190	4903.800	9.86
0K13048-CALB	50	254045	5080.900	9.86

AVE RF **4728.100** RF RSD **4.20** AVE RT **9.86**

Chlorobenzene

Curve Fit: **AVERAGE RF**

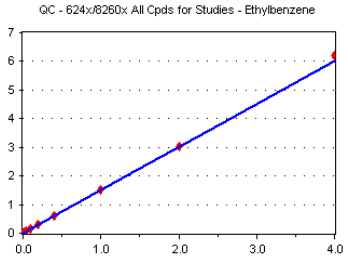


Standard	Concentration	Response	Response Factor	RT
0K13048-CAL1	0.1	381	0.811	9.87
0K13048-CAL2	0.2	756	0.840	9.87
0K13048-CAL3	0.4	1541	0.876	9.87
0K13048-CAL4	1	3994	0.877	9.87
0K13048-CAL5	2	8553	0.923	9.87
0K13048-CAL6	5	21700	0.920	9.87
0K13048-CAL7	10	43452	0.898	9.87
0K13048-CAL8	20	88935	0.914	9.87
0K13048-CAL9	50	217893	0.904	9.87
0K13048-CALA	100	444921	0.907	9.87
0K13048-CALB	200	930648	0.916	9.87

AVE RF **0.890** RF RSD **4.03** AVE RT **9.87**

Ethylbenzene

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0K13048-CAL1	0.1	667	1.420	9.90
0K13048-CAL2	0.2	1333	1.480	9.90
0K13048-CAL3	0.4	2668	1.516	9.90
0K13048-CAL4	1	6917	1.519	9.90
0K13048-CAL5	2	14343	1.548	9.89
0K13048-CAL6	5	36021	1.526	9.89
0K13048-CAL7	10	72009	1.489	9.89
0K13048-CAL8	20	146185	1.502	9.89
0K13048-CAL9	50	362631	1.505	9.89
0K13048-CALA	100	740065	1.509	9.89
0K13048-CALB	200	1575922	1.551	9.89

AVE RF **1.506** RF RSD **2.37** AVE RT **9.89**

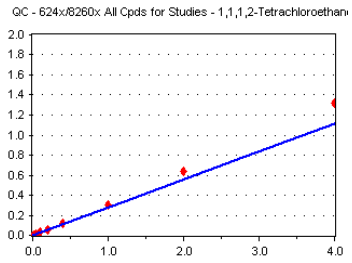
Element Calibration Review Sheet

Calibration ID: **A0K1604** Instrument: **VOA-GCMS9** Calibration Date: **11/16/2020**

Analysis: **QC - 624x/8260x All Cpds fo** Instrument Cal ID: **VI201114W.M/VI201114G.M**

1,1,1,2-Tetrachloroethane

Curve Fit: **AVERAGE RF**

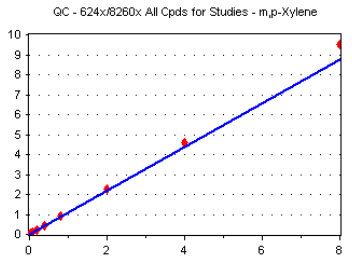


Standard	Concentration	Response	Response Factor	RT
~~0K13048-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K13048-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
0K13048-CAL3	0.4	360	0.205	9.93
0K13048-CAL4	1	1061	0.233	9.93
0K13048-CAL5	2	2512	0.271	9.93
0K13048-CAL6	5	6507	0.276	9.93
0K13048-CAL7	10	13632	0.282	9.93
0K13048-CAL8	20	28373	0.292	9.93
0K13048-CAL9	50	74001	0.307	9.93
0K13048-CALA	100	155809	0.318	9.93
0K13048-CALB	200	336229	0.331	9.93

AVE RF **0.279** RF RSD **14.36** AVE RT **9.93**

m,p-Xylene

Curve Fit: **AVERAGE RF**

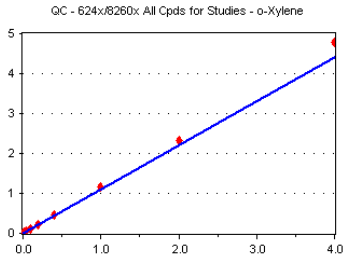


Standard	Concentration	Response	Response Factor	RT
0K13048-CAL1	0.2	1005	1.070	10.03
0K13048-CAL2	0.4	1874	1.041	10.03
0K13048-CAL3	0.8	3762	1.069	10.03
0K13048-CAL4	2	9194	1.010	10.03
0K13048-CAL5	4	19803	1.069	10.03
0K13048-CAL6	10	52058	1.103	10.03
0K13048-CAL7	20	105303	1.089	10.03
0K13048-CAL8	40	217739	1.119	10.03
0K13048-CAL9	100	544810	1.131	10.03
0K13048-CALA	200	1125177	1.147	10.03
0K13048-CALB	400	2419225	1.190	10.03

AVE RF **1.094** RF RSD **4.66** AVE RT **10.03**

o-Xylene

Curve Fit: **AVERAGE RF**

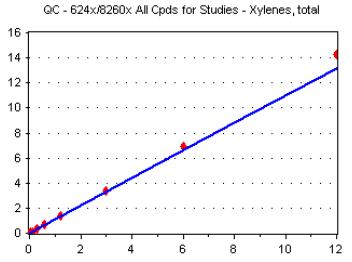


Standard	Concentration	Response	Response Factor	RT
0K13048-CAL1	0.1	530	1.129	10.42
0K13048-CAL2	0.2	843	0.936	10.41
0K13048-CAL3	0.4	1838	1.044	10.41
0K13048-CAL4	1	4842	1.064	10.41
0K13048-CAL5	2	10042	1.084	10.41
0K13048-CAL6	5	26395	1.118	10.41
0K13048-CAL7	10	53858	1.114	10.41
0K13048-CAL8	20	111706	1.148	10.41
0K13048-CAL9	50	277647	1.152	10.41
0K13048-CALA	100	568355	1.159	10.41
0K13048-CALB	200	1215418	1.196	10.41

AVE RF **1.104** RF RSD **6.43** AVE RT **10.41**

Xylenes, total

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0K13048-CAL1	0.3	1535	1.090	10.42
0K13048-CAL2	0.6	2717	1.006	10.41
0K13048-CAL3	1.2	5600	1.061	10.41
0K13048-CAL4	3	14036	1.028	10.41
0K13048-CAL5	6	29845	1.074	10.41
0K13048-CAL6	15	78453	1.108	10.41
0K13048-CAL7	30	159161	1.097	10.41
0K13048-CAL8	60	329445	1.128	10.41
0K13048-CAL9	150	822457	1.138	10.41
0K13048-CALA	300	1693532	1.151	10.41
0K13048-CALB	600	3634643	1.192	10.41

AVE RF **1.097** RF RSD **4.98** AVE RT **10.41**

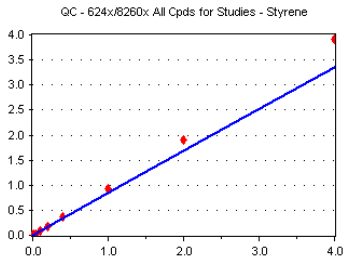
Element Calibration Review Sheet

Calibration ID: **A0K1604** Instrument: **VOA-GCMS9** Calibration Date: **11/16/2020**

Analysis: **QC - 624x/8260x All Cpds fo** Instrument Cal ID: **VI201114W.M/VI201114G.M**

Styrene

Curve Fit: **AVERAGE RF**

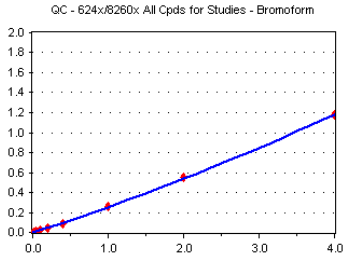


Standard	Concentration	Response	Response Factor	RT
~~0K13048-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
0K13048-CAL2	0.2	688	0.764	10.46
0K13048-CAL3	0.4	1190	0.676	10.46
0K13048-CAL4	1	3220	0.707	10.46
0K13048-CAL5	2	7333	0.791	10.46
0K13048-CAL6	5	19521	0.827	10.46
0K13048-CAL7	10	41533	0.859	10.46
0K13048-CAL8	20	88327	0.908	10.46
0K13048-CAL9	50	225096	0.934	10.46
0K13048-CALA	100	466046	0.950	10.46
0K13048-CALB	200	995765	0.980	10.46

AVE RF **0.840** RF RSD **12.45** AVE RT **10.46**

Bromoform

Curve Fit: **QUADRATIC: Weighting: (1/a), Origin: Ignore**

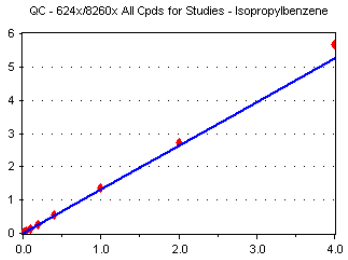


Standard	Concentration	Response	Response Factor	RT
~~0K13048-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K13048-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
~~0K13048-CAL3~~	~~0.4~~	~~0~~	~~0.000~~	0.00
0K13048-CAL4	1	783	0.172	10.49
0K13048-CAL5	2	1672	0.180	10.48
0K13048-CAL6	5	4679	0.198	10.48
0K13048-CAL7	10	9970	0.206	10.48
0K13048-CAL8	20	22022	0.226	10.48
0K13048-CAL9	50	62340	0.259	10.48
0K13048-CALA	100	135667	0.277	10.48
0K13048-CALB	200	298528	0.294	10.48

AVE RF **0.227** RF RSD **20.01** AVE RT **10.48**

Isopropylbenzene

Curve Fit: **AVERAGE RF**

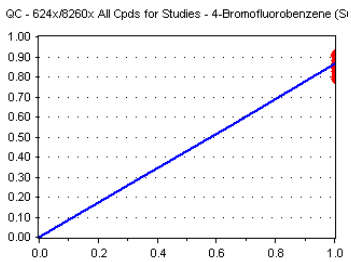


Standard	Concentration	Response	Response Factor	RT
~~0K13048-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
0K13048-CAL2	0.2	1067	1.185	10.68
0K13048-CAL3	0.4	2190	1.244	10.68
0K13048-CAL4	1	5494	1.207	10.68
0K13048-CAL5	2	11977	1.293	10.68
0K13048-CAL6	5	31317	1.327	10.68
0K13048-CAL7	10	63893	1.321	10.68
0K13048-CAL8	20	133760	1.374	10.68
0K13048-CAL9	50	328660	1.364	10.68
0K13048-CALA	100	668797	1.364	10.68
0K13048-CALB	200	1442998	1.420	10.68

AVE RF **1.310** RF RSD **5.88** AVE RT **10.68**

4-Bromofluorobenzene (Surr)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0K13048-CAL1	50	89326	0.904	10.92
0K13048-CAL2	50	85520	0.912	10.92
0K13048-CAL3	50	86936	0.845	10.92
0K13048-CAL4	50	86991	0.906	10.92
0K13048-CAL5	50	90440	0.903	10.92
0K13048-CAL6	50	93222	0.883	10.92
0K13048-CAL7	50	95379	0.865	10.92
0K13048-CAL8	50	97178	0.852	10.92
0K13048-CAL9	50	97925	0.828	10.92
0K13048-CALA	50	98220	0.798	10.92
0K13048-CALB	50	101920	0.791	10.92

AVE RF **0.862** RF RSD **5.06** AVE RT **10.92**

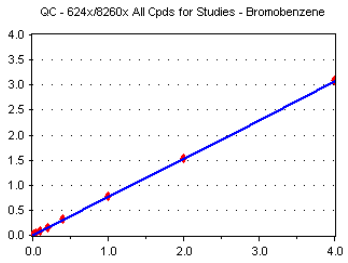
Element Calibration Review Sheet

Calibration ID: **A0K1604** Instrument: **VOA-GCMS9** Calibration Date: **11/16/2020**

Analysis: **QC - 624x/8260x All Cpds fo** Instrument Cal ID: **VI201114W.M/VI201114G.M**

Bromobenzene

Curve Fit: **AVERAGE RF**

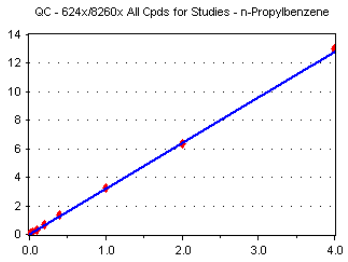


Standard	Concentration	Response	Response Factor	RT
~~0K13048-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
0K13048-CAL2	0.2	234	0.624	11.01
0K13048-CAL3	0.4	556	0.675	11.01
0K13048-CAL4	1	1486	0.774	11.01
0K13048-CAL5	2	3399	0.848	11.01
0K13048-CAL6	5	8609	0.815	11.01
0K13048-CAL7	10	17497	0.793	11.01
0K13048-CAL8	20	36574	0.801	11.01
0K13048-CAL9	50	92498	0.782	11.01
0K13048-CALA	100	189898	0.771	11.01
0K13048-CALB	200	398319	0.772	11.01

AVE RF **0.766** RF RSD **8.72** AVE RT **11.01**

n-Propylbenzene

Curve Fit: **AVERAGE RF**

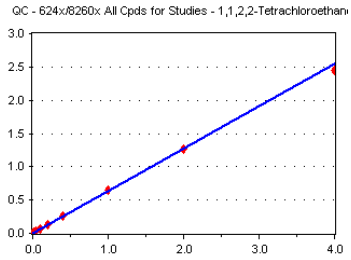


Standard	Concentration	Response	Response Factor	RT
~~0K13048-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
0K13048-CAL2	0.2	1115	2.971	11.03
0K13048-CAL3	0.4	2565	3.115	11.02
0K13048-CAL4	1	5883	3.065	11.02
0K13048-CAL5	2	12953	3.232	11.02
0K13048-CAL6	5	35045	3.319	11.02
0K13048-CAL7	10	72033	3.265	11.02
0K13048-CAL8	20	154056	3.375	11.02
0K13048-CAL9	50	381343	3.226	11.02
0K13048-CALA	100	784675	3.188	11.02
0K13048-CALB	200	1682300	3.263	11.02

AVE RF **3.202** RF RSD **3.79** AVE RT **11.02**

1,1,2,2-Tetrachloroethane

Curve Fit: **AVERAGE RF**

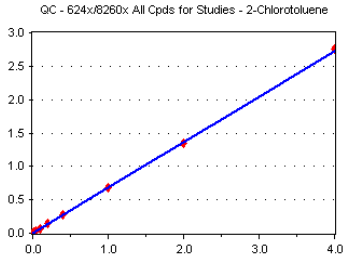


Standard	Concentration	Response	Response Factor	RT
~~0K13048-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K13048-CAL2~~	~~0.2~~	~~138~~	~~0.368~~	~~11.09~~
0K13048-CAL3	0.4	426	0.517	11.09
0K13048-CAL4	1	1210	0.630	11.09
0K13048-CAL5	2	2677	0.668	11.09
0K13048-CAL6	5	7167	0.679	11.09
0K13048-CAL7	10	14772	0.670	11.09
0K13048-CAL8	20	30242	0.662	11.09
0K13048-CAL9	50	76960	0.651	11.09
0K13048-CALA	100	155166	0.630	11.09
0K13048-CALB	200	316023	0.613	11.09

AVE RF **0.636** RF RSD **7.78** AVE RT **11.09**

2-Chlorotoluene

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
~~0K13048-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K13048-CAL2~~	~~0.2~~	~~124~~	~~0.330~~	~~11.16~~
0K13048-CAL3	0.4	509	0.618	11.16
0K13048-CAL4	1	1266	0.659	11.16
0K13048-CAL5	2	2789	0.696	11.15
0K13048-CAL6	5	7430	0.704	11.15
0K13048-CAL7	10	15290	0.693	11.15
0K13048-CAL8	20	32294	0.707	11.15
0K13048-CAL9	50	80756	0.683	11.15
0K13048-CALA	100	165818	0.674	11.15
0K13048-CALB	200	355566	0.690	11.15

AVE RF **0.680** RF RSD **4.07** AVE RT **11.15**

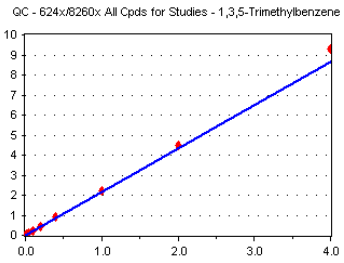
Element Calibration Review Sheet

Calibration ID: **A0K1604** Instrument: **VOA-GCMS9** Calibration Date: **11/16/2020**

Analysis: **QC - 624x/8260x All Cpds fo** Instrument Cal ID: **VI201114W.M/VI201114G.M**

1,3,5-Trimethylbenzene

Curve Fit: **AVERAGE RF**

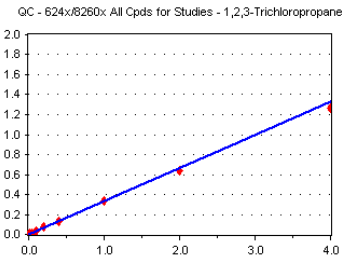


Standard	Concentration	Response	Response Factor	RT
~~0K13048-CAL1~~	~~0.1~~	~~364~~	~~1.842~~	~~0.00~~
0K13048-CAL2	0.2	751	2.001	11.18
0K13048-CAL3	0.4	1625	1.974	11.18
0K13048-CAL4	1	3826	1.993	11.18
0K13048-CAL5	2	8607	2.148	11.18
0K13048-CAL6	5	23394	2.216	11.18
0K13048-CAL7	10	49555	2.246	11.18
0K13048-CAL8	20	105694	2.315	11.18
0K13048-CAL9	50	263164	2.226	11.18
0K13048-CALA	100	550786	2.237	11.18
0K13048-CALB	200	1197024	2.322	11.18

AVE RF **2.168** RF RSD **6.12** AVE RT **11.18**

1,2,3-Trichloropropane

Curve Fit: **AVERAGE RF**

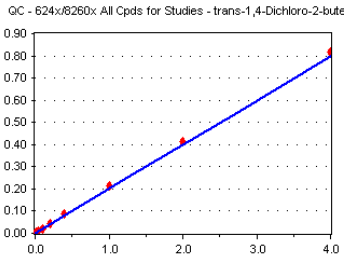


Standard	Concentration	Response	Response Factor	RT
~~0K13048-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K13048-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
~~0K13048-CAL3~~	~~0.4~~	~~130~~	~~0.158~~	~~11.20~~
0K13048-CAL4	1	604	0.315	11.20
0K13048-CAL5	2	1363	0.340	11.20
0K13048-CAL6	5	3782	0.358	11.20
0K13048-CAL7	10	7800	0.354	11.20
0K13048-CAL8	20	15407	0.338	11.19
0K13048-CAL9	50	39064	0.330	11.19
0K13048-CALA	100	78851	0.320	11.19
0K13048-CALB	200	162615	0.315	11.19

AVE RF **0.334** RF RSD **4.99** AVE RT **11.20**

trans-1,4-Dichloro-2-butene

Curve Fit: **AVERAGE RF**

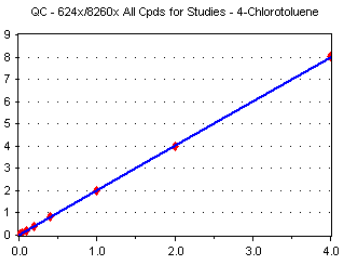


Standard	Concentration	Response	Response Factor	RT
~~0K13048-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K13048-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
~~0K13048-CAL3~~	~~0.4~~	~~0~~	~~0.000~~	~~0.00~~
0K13048-CAL4	1	269	0.140	11.24
0K13048-CAL5	2	758	0.189	11.23
0K13048-CAL6	5	2217	0.210	11.23
0K13048-CAL7	10	4653	0.211	11.23
0K13048-CAL8	20	10065	0.220	11.23
0K13048-CAL9	50	25316	0.214	11.22
0K13048-CALA	100	50928	0.207	11.23
0K13048-CALB	200	105075	0.204	11.22

AVE RF **0.199** RF RSD **12.85** AVE RT **11.23**

4-Chlorotoluene

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
~~0K13048-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
0K13048-CAL2	0.2	712	1.897	11.29
0K13048-CAL3	0.4	1525	1.852	11.28
0K13048-CAL4	1	3810	1.985	11.29
0K13048-CAL5	2	8140	2.031	11.29
0K13048-CAL6	5	21835	2.068	11.29
0K13048-CAL7	10	45388	2.057	11.29
0K13048-CAL8	20	95394	2.090	11.28
0K13048-CAL9	50	237730	2.011	11.29
0K13048-CALA	100	492489	2.001	11.29
0K13048-CALB	200	1036721	2.011	11.28

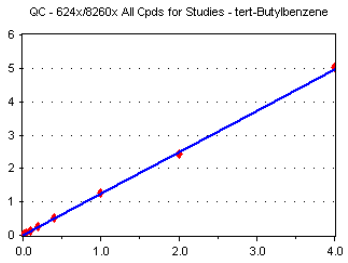
AVE RF **2.000** RF RSD **3.72** AVE RT **11.29**

Element Calibration Review Sheet

Calibration ID: **A0K1604** Instrument: **VOA-GCMS9** Calibration Date: **11/16/2020**

Analysis: **QC - 624x/8260x All Cpds fo** Instrument Cal ID: **VI201114W.M/VI201114G.M**

tert-Butylbenzene

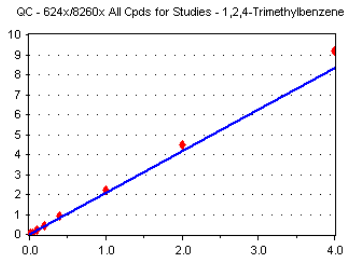


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0K13048-CAL1	0.1	221	1.119	11.43
0K13048-CAL2	0.2	406	1.082	11.43
0K13048-CAL3	0.4	1002	1.217	11.43
0K13048-CAL4	1	2356	1.227	11.43
0K13048-CAL5	2	5223	1.303	11.43
0K13048-CAL6	5	13959	1.322	11.43
0K13048-CAL7	10	28884	1.309	11.43
0K13048-CAL8	20	60490	1.325	11.43
0K13048-CAL9	50	148163	1.253	11.43
0K13048-CALA	100	301162	1.223	11.43
0K13048-CALB	200	649493	1.260	11.43

AVE RF **1.240** RF RSD **6.45** AVE RT **11.43**

1,2,4-Trimethylbenzene

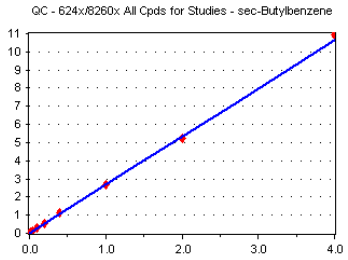


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
~~0K13048-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
0K13048-CAL2	0.2	584	1.556	11.49
0K13048-CAL3	0.4	1531	1.859	11.49
0K13048-CAL4	1	3690	1.922	11.49
0K13048-CAL5	2	8025	2.003	11.49
0K13048-CAL6	5	23004	2.179	11.49
0K13048-CAL7	10	48901	2.217	11.49
0K13048-CAL8	20	104778	2.295	11.49
0K13048-CAL9	50	264544	2.238	11.49
0K13048-CALA	100	550246	2.235	11.49
0K13048-CALB	200	1186152	2.300	11.49

AVE RF **2.080** RF RSD **11.62** AVE RT **11.49**

sec-Butylbenzene

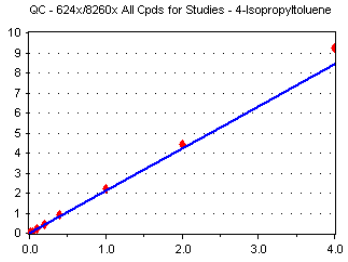


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
~~0K13048-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
0K13048-CAL2	0.2	982	2.617	11.57
0K13048-CAL3	0.4	2180	2.648	11.57
0K13048-CAL4	1	4676	2.436	11.57
0K13048-CAL5	2	10535	2.629	11.57
0K13048-CAL6	5	29128	2.759	11.56
0K13048-CAL7	10	59481	2.696	11.56
0K13048-CAL8	20	128070	2.806	11.56
0K13048-CAL9	50	317521	2.686	11.56
0K13048-CALA	100	646461	2.626	11.56
0K13048-CALB	200	1413009	2.740	11.56

AVE RF **2.664** RF RSD **3.83** AVE RT **11.57**

4-Isopropyltoluene



Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
~~0K13048-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
0K13048-CAL2	0.2	643	1.713	11.68
0K13048-CAL3	0.4	1687	2.049	11.67
0K13048-CAL4	1	3584	1.867	11.67
0K13048-CAL5	2	8044	2.007	11.67
0K13048-CAL6	5	22473	2.128	11.67
0K13048-CAL7	10	48577	2.202	11.67
0K13048-CAL8	20	105216	2.305	11.67
0K13048-CAL9	50	262673	2.222	11.67
0K13048-CALA	100	544580	2.212	11.67
0K13048-CALB	200	1194135	2.316	11.67

AVE RF **2.102** RF RSD **9.27** AVE RT **11.67**

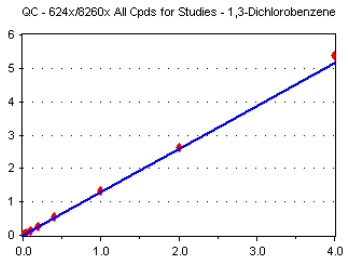
Element Calibration Review Sheet

Calibration ID: **A0K1604** Instrument: **VOA-GCMS9** Calibration Date: **11/16/2020**

Analysis: **QC - 624x/8260x All Cpds fo** Instrument Cal ID: **VI201114W.M/VI201114G.M**

1,3-Dichlorobenzene

Curve Fit: **AVERAGE RF**

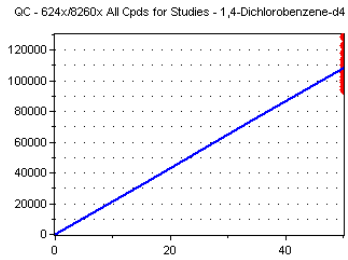


Standard	Concentration	Response	Response Factor	RT
~~0K13048-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
0K13048-CAL2	0.2	395	1.053	11.75
0K13048-CAL3	0.4	1052	1.278	11.75
0K13048-CAL4	1	2333	1.215	11.75
0K13048-CAL5	2	5318	1.327	11.75
0K13048-CAL6	5	14005	1.326	11.75
0K13048-CAL7	10	29374	1.332	11.75
0K13048-CAL8	20	61667	1.351	11.75
0K13048-CAL9	50	156685	1.325	11.75
0K13048-CALA	100	324689	1.319	11.75
0K13048-CALB	200	692225	1.343	11.75

AVE RF **1.287** RF RSD **7.09** AVE RT **11.75**

1,4-Dichlorobenzene-d4 (ISTD)

Curve Fit: **AVERAGE RF**

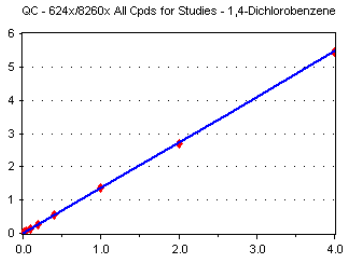


Standard	Concentration	Response	Response Factor	RT
0K13048-CAL1	50	98780	1975.600	11.80
0K13048-CAL2	50	93815	1876.300	11.80
0K13048-CAL3	50	102923	2058.460	11.80
0K13048-CAL4	50	95986	1919.720	11.80
0K13048-CAL5	50	100182	2003.640	11.80
0K13048-CAL6	50	105584	2111.680	11.80
0K13048-CAL7	50	110303	2206.060	11.80
0K13048-CAL8	50	114124	2282.480	11.80
0K13048-CAL9	50	118220	2364.400	11.80
0K13048-CALA	50	123086	2461.720	11.80
0K13048-CALB	50	128906	2578.120	11.80

AVE RF **2167.107** RF RSD **10.66** AVE RT **11.80**

1,4-Dichlorobenzene

Curve Fit: **AVERAGE RF**

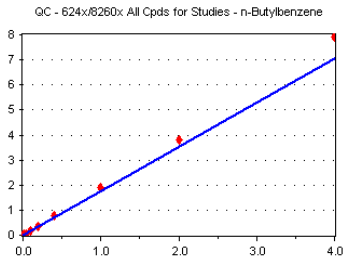


Standard	Concentration	Response	Response Factor	RT
0K13048-CAL1	0.1	281	1.422	11.81
0K13048-CAL2	0.2	468	1.247	11.81
0K13048-CAL3	0.4	1175	1.427	11.81
0K13048-CAL4	1	2657	1.384	11.81
0K13048-CAL5	2	5480	1.368	11.81
0K13048-CAL6	5	14361	1.360	11.81
0K13048-CAL7	10	30242	1.371	11.81
0K13048-CAL8	20	63508	1.391	11.81
0K13048-CAL9	50	160797	1.360	11.81
0K13048-CALA	100	331071	1.345	11.81
0K13048-CALB	200	701734	1.361	11.81

AVE RF **1.367** RF RSD **3.47** AVE RT **11.81**

n-Butylbenzene

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
~~0K13048-CAL1~~	~~0.1~~	~~221~~	~~1.119~~	~~0.00~~
~~0K13048-CAL2~~	~~0.2~~	~~427~~	~~1.138~~	~~12.00~~
0K13048-CAL3	0.4	1317	1.599	12.00
0K13048-CAL4	1	2668	1.390	12.00
0K13048-CAL5	2	6343	1.583	12.00
0K13048-CAL6	5	18808	1.781	12.00
0K13048-CAL7	10	40346	1.829	12.00
0K13048-CAL8	20	88657	1.942	12.00
0K13048-CAL9	50	224446	1.899	12.00
0K13048-CALA	100	467121	1.898	12.00
0K13048-CALB	200	1018522	1.975	11.99

AVE RF **1.766** RF RSD **11.26** AVE RT **12.00**

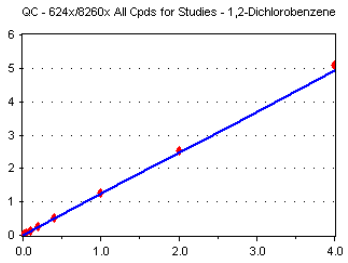
Element Calibration Review Sheet

Calibration ID: **A0K1604** Instrument: **VOA-GCMS9** Calibration Date: **11/16/2020**

Analysis: **QC - 624x/8260x All Cpds fo** Instrument Cal ID: **VI201114W.M/VI201114G.M**

1,2-Dichlorobenzene

Curve Fit: **AVERAGE RF**

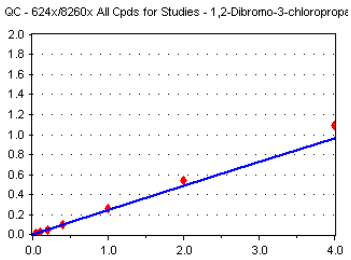


Standard	Concentration	Response	Response Factor	RT
~~0K13048-CAL1~~	~~0.1~~	~~304~~	~~1.539~~	~~12.14~~
0K13048-CAL2	0.2	382	1.018	12.13
0K13048-CAL3	0.4	991	1.204	12.14
0K13048-CAL4	1	2238	1.166	12.13
0K13048-CAL5	2	5029	1.255	12.13
0K13048-CAL6	5	13392	1.268	12.13
0K13048-CAL7	10	28364	1.286	12.13
0K13048-CAL8	20	59641	1.306	12.13
0K13048-CAL9	50	151239	1.279	12.13
0K13048-CALA	100	311049	1.264	12.13
0K13048-CALB	200	657903	1.276	12.13

AVE RF **1.232** RF RSD **6.97** AVE RT **12.13**

1,2-Dibromo-3-chloropropane

Curve Fit: **AVERAGE RF**

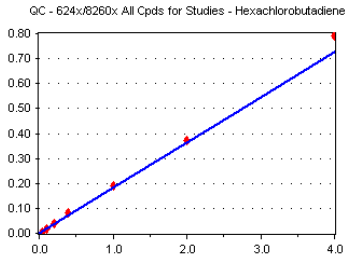


Standard	Concentration	Response	Response Factor	RT
~~0K13048-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K13048-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
~~0K13048-CAL3~~	~~0.4~~	~~0~~	~~0.000~~	0.00
~~0K13048-CAL4~~	~~1~~	~~289~~	~~0.151~~	~~12.74~~
0K13048-CAL5	2	761	0.190	12.75
0K13048-CAL6	5	2294	0.217	12.75
0K13048-CAL7	10	5159	0.234	12.75
0K13048-CAL8	20	11148	0.244	12.74
0K13048-CAL9	50	31025	0.262	12.75
0K13048-CALA	100	66001	0.268	12.75
0K13048-CALB	200	140963	0.273	12.74

AVE RF **0.241** RF RSD **12.52** AVE RT **12.74**

Hexachlorobutadiene

Curve Fit: **AVERAGE RF**

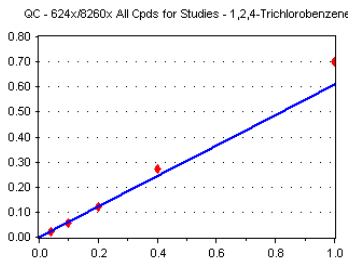


Standard	Concentration	Response	Response Factor	RT
~~0K13048-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K13048-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
~~0K13048-CAL3~~	~~0.4~~	~~0~~	~~0.000~~	~~0.00~~
~~0K13048-CAL4~~	~~1~~	~~197~~	~~0.103~~	~~13.24~~
0K13048-CAL5	2	560	0.140	13.24
0K13048-CAL6	5	1830	0.173	13.24
0K13048-CAL7	10	4106	0.186	13.24
0K13048-CAL8	20	9202	0.202	13.25
0K13048-CAL9	50	22461	0.190	13.24
0K13048-CALA	100	45767	0.186	13.24
0K13048-CALB	200	101942	0.198	13.24

AVE RF **0.182** RF RSD **11.41** AVE RT **13.24**

1,2,4-Trichlorobenzene

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
~~0K13048-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K13048-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
~~0K13048-CAL3~~	~~0.4~~	~~431~~	~~0.523~~	~~13.29~~
~~0K13048-CAL4~~	~~1~~	~~837~~	~~0.436~~	~~13.29~~
0K13048-CAL5	2	2044	0.510	13.29
0K13048-CAL6	5	5768	0.546	13.29
0K13048-CAL7	10	13268	0.601	13.29
0K13048-CAL8	20	31129	0.682	13.29
0K13048-CAL9	50	82615	0.699	13.29
~~0K13048-CALA~~	~~100~~	~~188607~~	~~0.766~~	~~13.29~~
~~0K13048-CALB~~	~~200~~	~~425340~~	~~0.825~~	~~13.29~~

AVE RF **0.608** RF RSD **13.56** AVE RT **13.29**

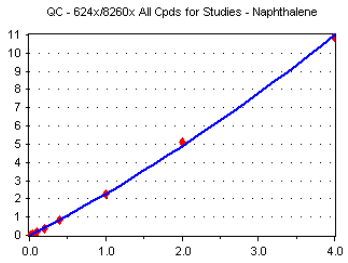
Element Calibration Review Sheet

Calibration ID: **A0K1604** Instrument: **VOA-GCMS9** Calibration Date: **11/16/2020**

Analysis: **QC - 624x/8260x All Cpds fo** Instrument Cal ID: **VI201114W.M/VI201114G.M**

Naphthalene

Curve Fit: **QUADRATIC: Weighting: (1/a), Origin: Ignore**

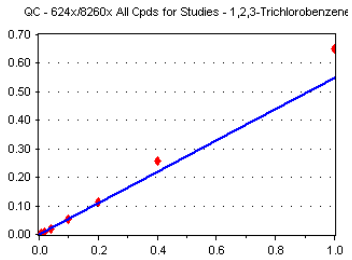


Standard	Concentration	Response	Response Factor	RT
~~0K13048-CAL1~~	~~0.1~~	~~389~~	~~1.969~~	~~13.57~~
~~0K13048-CAL2~~	~~0.2~~	~~426~~	~~1.135~~	~~13.57~~
0K13048-CAL3	0.4	1202	1.460	13.57
0K13048-CAL4	1	2796	1.456	13.57
0K13048-CAL5	2	6236	1.556	13.57
0K13048-CAL6	5	17295	1.638	13.57
0K13048-CAL7	10	40566	1.839	13.57
0K13048-CAL8	20	98380	2.155	13.57
0K13048-CAL9	50	266831	2.257	13.57
0K13048-CALA	100	631788	2.566	13.56
0K13048-CALB	200	1402207	2.719	13.56

AVE RF **1.961** RF RSD **24.56** AVE RT **13.56**

1,2,3-Trichlorobenzene

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
~~0K13048-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K13048-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
0K13048-CAL3	0.4	413	0.502	13.73
0K13048-CAL4	1	898	0.468	13.72
0K13048-CAL5	2	1910	0.477	13.72
0K13048-CAL6	5	5573	0.528	13.72
0K13048-CAL7	10	12481	0.566	13.72
0K13048-CAL8	20	29513	0.647	13.72
0K13048-CAL9	50	76998	0.651	13.72
~~0K13048-CALA~~	~~100~~	~~182309~~	~~0.741~~	~~13.72~~
~~0K13048-CALB~~	~~200~~	~~414214~~	0.803	~~13.72~~

AVE RF **0.548** RF RSD **13.89** AVE RT **13.72**

Compound List Report VOA-GCMS9

Method Path : C:\msdchem\1\methods\
Method File : VI201114W.M
Title : EPA 8260: Volatile Organic Compounds
Last Update : Sat Nov 14 15:49:22 2020
Response Via : Initial Calibration

11/15/20 TNL

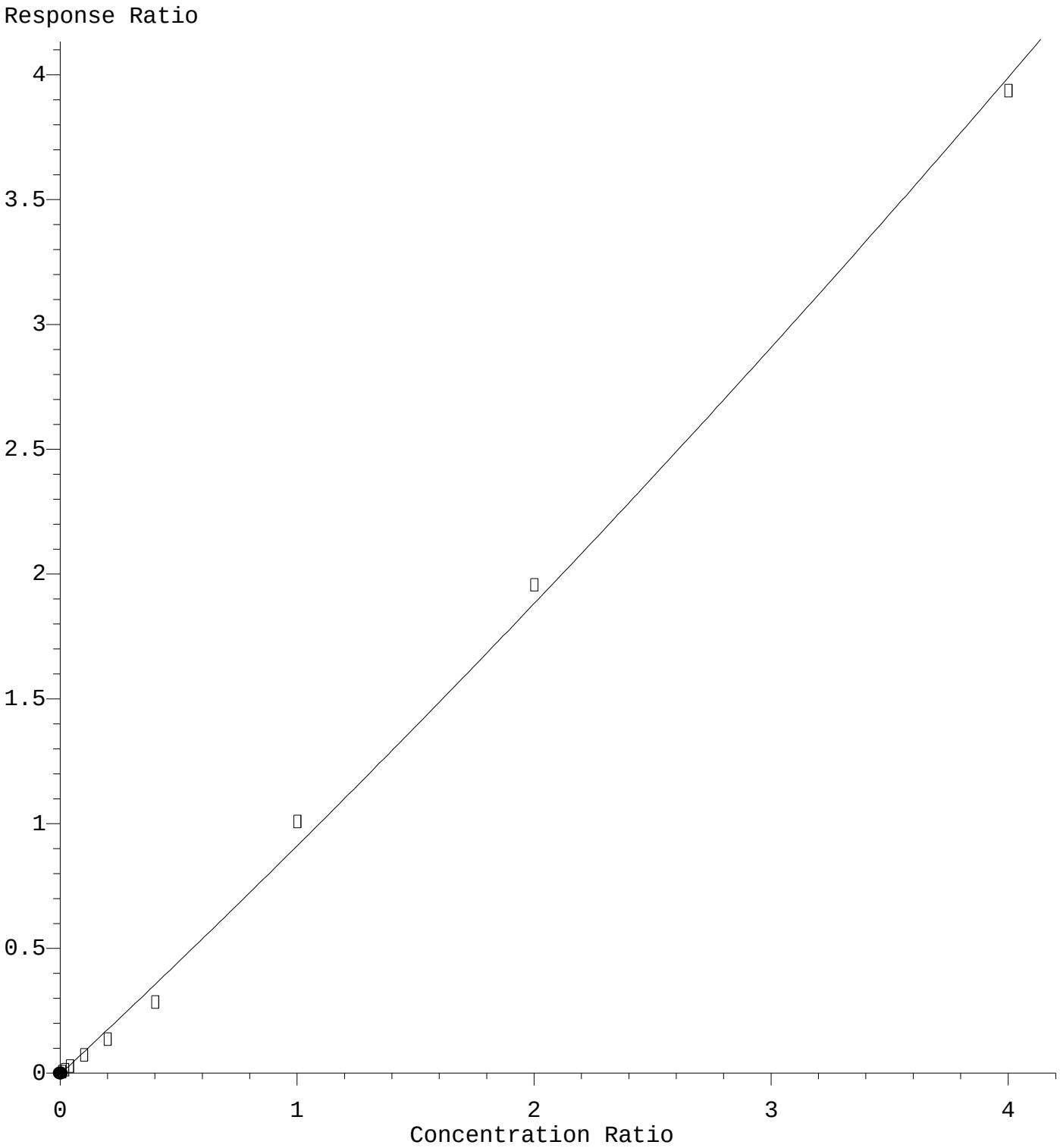
Total Cpnds : 88

PK#		Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1	I	Pentafluorobenzene (I)	99	6.150	1.000	A	2	A	R
2		Dichlorodifluoromethane	85	1.648	0.268	Q	2	A	R
3	P	Chloromethane	50	1.860	0.302	A	2	A	R
4	C	Vinyl Chloride	62	1.958	0.318	A	2	A	R
5		Bromomethane	96	2.317	0.377	A	2	A	R
6		Chloroethane	64	2.444	0.397	Q	2	A	R
7		Trichlorofluoromethane	101	2.603	0.423	A	2	A	R
8		Ethanol	45	3.193	0.519	A	1	A	R
9	C	1,1-Dichloroethene	61	3.175	0.516	A	2	A	R
10		Carbon Disulfide	76	3.193	0.519	A	2	A	R
11		Freon 113	101	3.230	0.525	A	2	A	R
12		Iodomethane	142	3.327	0.541	A	2	A	R
13		Acrolein	56	3.558	0.579	A	2	A	R
14		Methylene Chloride	84	3.819	0.621	A	2	A	R
15		Acetone	43	3.892	0.633	A	1	A	R
16		t-1,2-Dichloroethene	61	3.978	0.647	A	2	A	R
17		n-Hexane	86	4.057	0.660	A	3	A	R
18		Methyl-tert-butyl-ether	73	4.105	0.667	A	3	A	R
19		tert-Butanol (TBA)	59	4.239	0.689	A	1	A	R
20		Diisopropyl ether (DIPE)	45	4.501	0.732	A	2	A	B
21	P	1,1-Dichloroethane	63	4.617	0.751	A	2	A	R
22		Acrylonitrile	53	4.683	0.761	A	2	A	R
23		Ethyl-tert-butyl ether (ETBE)	59	4.768	0.775	A	2	A	B
24		Vinyl Acetate	43	4.890	0.795	A	2	A	R
25		c-1,2-Dichloroethene	61	5.176	0.842	A	2	A	R
26		2,2-Dichloropropane	77	5.279	0.858	A	2	A	R
27		Bromochloromethane	130	5.377	0.874	A	2	A	R
28	C	Chloroform	83	5.462	0.888	A	2	A	R
29		Carbon Tetrachloride	117	5.590	0.909	A	2	A	R
30		Tetrahydrofuran	42	5.626	0.915	A	2	A	R
31		1,1,1-Trichloroethane	97	5.663	0.921	A	2	A	R
32	S	Dibromofluoromethane (S)	111	5.651	0.919	A	2	A	R
33		1,1-Dichloropropene	75	5.791	0.942	A	2	A	R
34		2-Butanone (MEK)	43	5.779	0.940	A	2	A	R
35		Benzene	78	6.059	0.985	A	2	A	R
36		tert-Amyl methyl ether (TAME)	73	6.052	0.984	A	2	A	R
37		1,2-Dichloroethane (EDC)	62	6.265	1.019	A	2	A	R
38		iso-Butyl Alcohol	43	6.326	1.029	A	2	A	R
39	S	1,4-Difluorobenzene (S)	114	6.716	1.092	A	2	A	R
40		Trichloroethene (TCE)	130	6.673	1.085	A	2	A	R
41		Tert-Amyl-Ethyl-Ether (TAEE)	59	6.922	1.126	A	2	A	R
42		Dibromomethane	93	7.123	1.158	A	2	A	R
43	C	1,2-Dichloropropane	63	7.233	1.176	A	2	A	R
44		Bromodichloromethane	83	7.306	1.188	A	2	A	R
45	I	Chlorobenzene-d5 (I)	117	9.855	1.000	A	2	A	R
46		2-Chloroethyl Vinyl Ether	63	7.950	0.807	A	2	A	R
47		c-1,3-Dichloropropene	75	8.017	0.814	A	2	A	R
48	S	Toluene-d8 (S)	98	8.225	0.835	A	2	A	R
49	C	Toluene	91	8.285	0.841	A	2	A	R
50		Tetrachloroethene (PCE)	166	8.723	0.885	A	2	A	R
51		4-Methyl-2-Pentanone (MIBK)	43	8.723	0.885	A	2	A	R
52		t-1,3-Dichloropropene	75	8.765	0.889	A	2	A	R
53		1,1,2-Trichloroethane	97	8.936	0.907	A	2	A	R
54		Dibromochloromethane	129	9.124	0.926	A	2	A	R
55		1,3-Dichloropropane	76	9.222	0.936	A	2	A	R

56		1,2-Dibromoethane (EDB)	107	9.355	0.949	Q	2	A	R
57		2-Hexanone	43	9.587	0.973	A	2	A	R
58	P	Chlorobenzene	112	9.873	1.002	A	2	A	R
59	C	Ethylbenzene	91	9.903	1.005	A	2	A	R
60		1,1,1,2-Tetrachloroethane	131	9.927	1.007	A	2	A	R
61		m,p-Xylenes (2)	91	10.031	1.018	A	2	A	R
62		o-Xylene	91	10.415	1.057	A	2	A	R
63		Styrene	104	10.457	1.061	A	2	A	R
64	P	Bromoform	173	10.481	1.064	Q	2	A	R
65		Isopropylbenzene	105	10.676	1.083	A	2	A	R
66	I	1,4-Dichlorobenzene-d4 (I)	152	11.802	1.000	A	2	A	R
67	S	4-Bromofluorobenzene (S)	174	10.920	0.925	A	2	A	R
68		Bromobenzene	156	11.005	0.932	A	2	A	R
69		n-Propylbenzene	91	11.017	0.933	A	2	A	R
70	P	1,1,2,2-Tetrachloroethane	85	11.089	0.940	A	2	A	R
71		2-Chlorotoluene	126	11.150	0.945	A	2	A	R
72		1,3,5-Trimethylbenzene	105	11.181	0.947	A	2	A	R
73		1,2,3-Trichloropropane	110	11.193	0.948	A	2	A	R
74		t-1,4-Dichloro-2-butene	53	11.224	0.951	A	3	A	R
75		4-Chlorotoluene	91	11.284	0.956	A	2	A	R
76		tert-Butylbenzene	91	11.430	0.969	A	2	A	R
77		1,2,4-Trimethylbenzene	105	11.485	0.973	A	2	A	R
78		sec-Butylbenzene	105	11.564	0.980	A	2	A	R
79		4-Isopropyltoluene	119	11.674	0.989	A	2	A	R
80		1,3-Dichlorobenzene	146	11.746	0.995	A	2	A	R
81		1,4-Dichlorobenzene	146	11.814	1.001	A	2	A	R
82		n-Butylbenzene	91	12.002	1.017	A	2	A	R
83		1,2-Dichlorobenzene	146	12.136	1.028	A	2	A	R
84		1,2-Dibromo-3-Chloropropane	157	12.744	1.080	A	2	A	R
85		Hexachlorobutadiene	223	13.243	1.122	A	3	A	R
86		1,2,4-Trichlorobenzene	180	13.285	1.126	A	2	A	R
87		Naphthalene	128	13.565	1.149	Q	2	A	R
88		1,2,3-Trichlorobenzene	180	13.723	1.163	A	2	A	R

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
#Qual = number of qualifiers
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

VI201114W.M Sat Nov 14 16:43:34 2020



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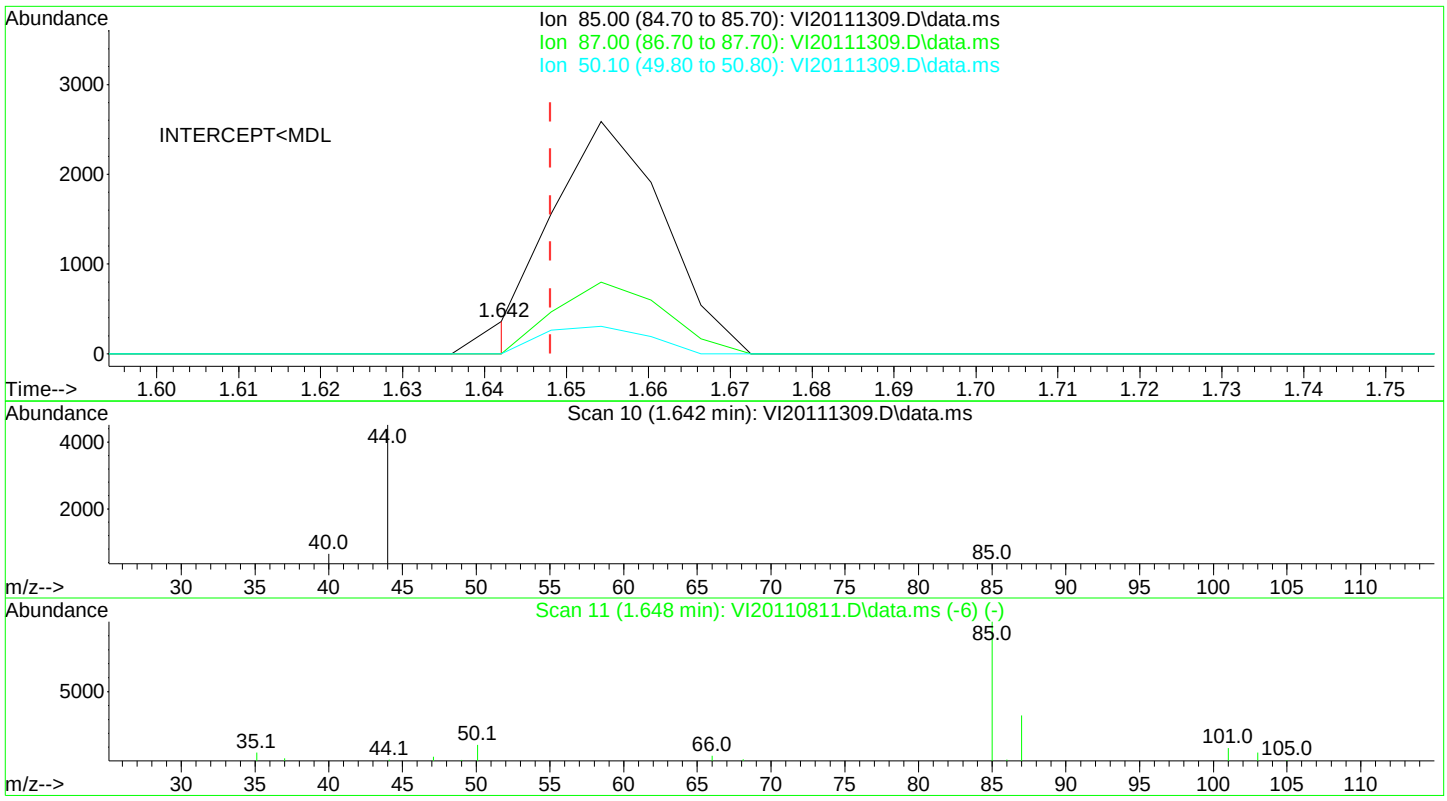
Coef of Det (r^2) = 0.995 Curve Fit: Quadratic w(1/a)
Method Name: C:\msdchem\1\methods\VI201114W.M
Calibration Table Last Updated: Sat Nov 14 16:43:49 2020

Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\REQUANT\
Data File : VI20111309.D
Acq On : 13 Nov 2020 10:34 pm
Operator : TNL
Sample : 0K13048-CAL5
Misc : 1X 5mL 2 PPB VOCR0
ALS Vial : 9 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 16:38:20 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:49:22 2020
Response via : Initial Calibration



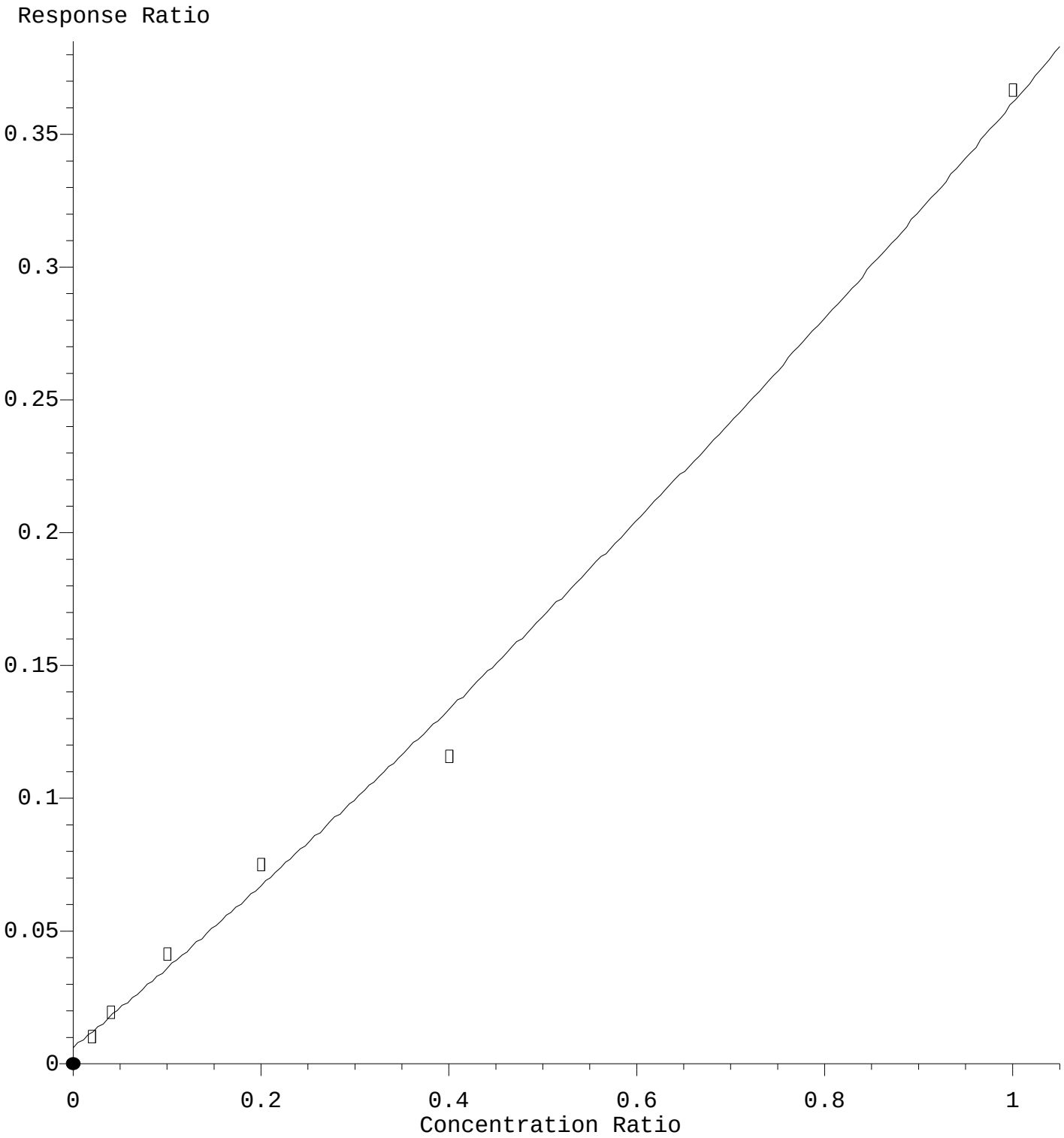
TIC: VI20111309.D\data.ms

(2) Dichlorodifluoromethane

1.642min (-0.006) 0.31 ug/L m

response 131

Ion	Exp%	Act%
85.00	100.00	100.00
87.00	32.60	0.00#
50.10	12.00	0.00
0.00	0.00	0.00



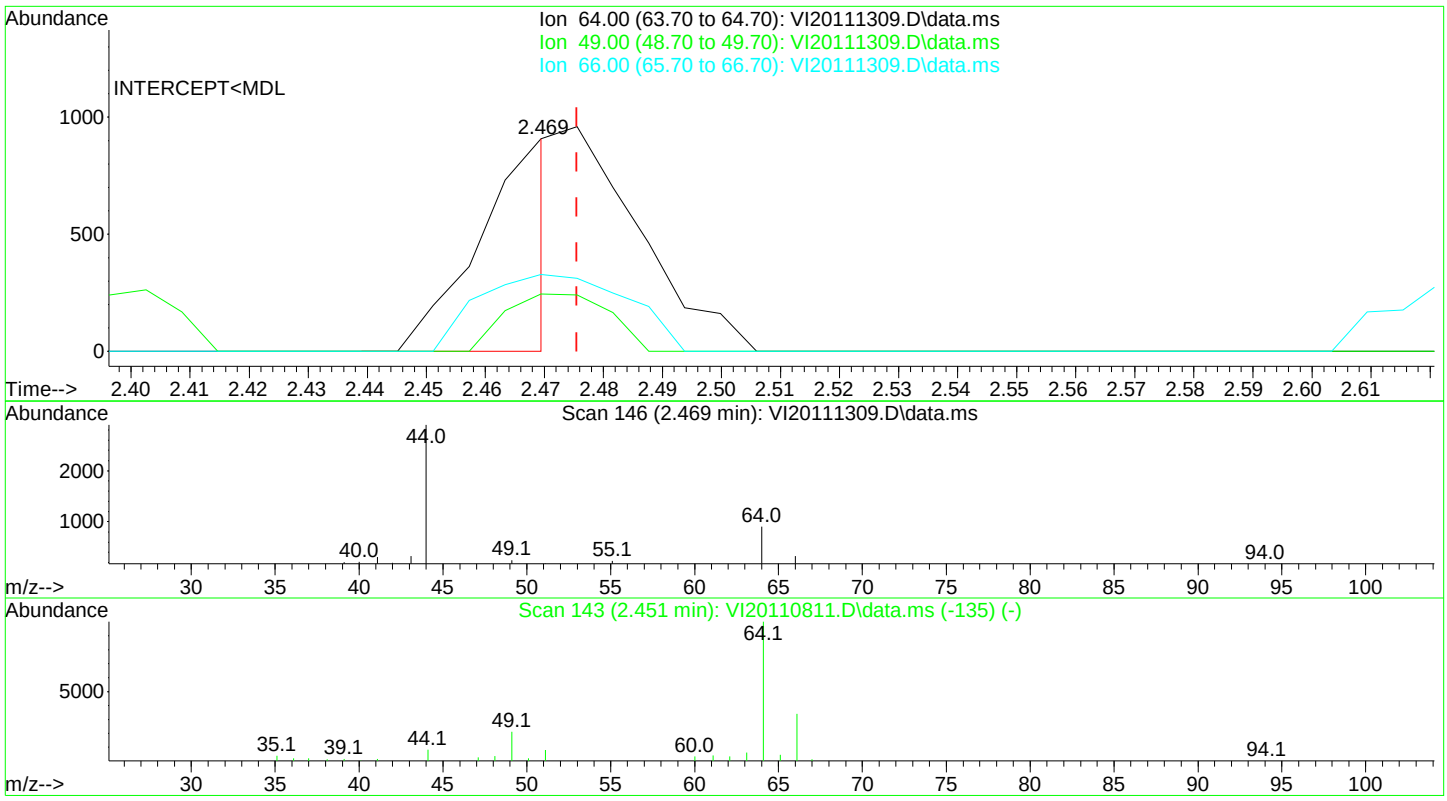
R = 6.22e-002 A*A + 2.93e-001 A + 6.11e-003
Coef of Det (r^2) = 0.990 Curve Fit: Quadratic w(1/a)
Method Name: C:\msdchem\1\methods\VI201114W.M
Calibration Table Last Updated: Sat Nov 14 16:43:49 2020

Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\REQUANT\
Data File : VI20111309.D
Acq On : 13 Nov 2020 10:34 pm
Operator : TNL
Sample : 0K13048-CAL5
Misc : 1X 5mL 2 PPB VOCR0
ALS Vial : 9 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 16:48:10 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 16:47:50 2020
Response via : Initial Calibration



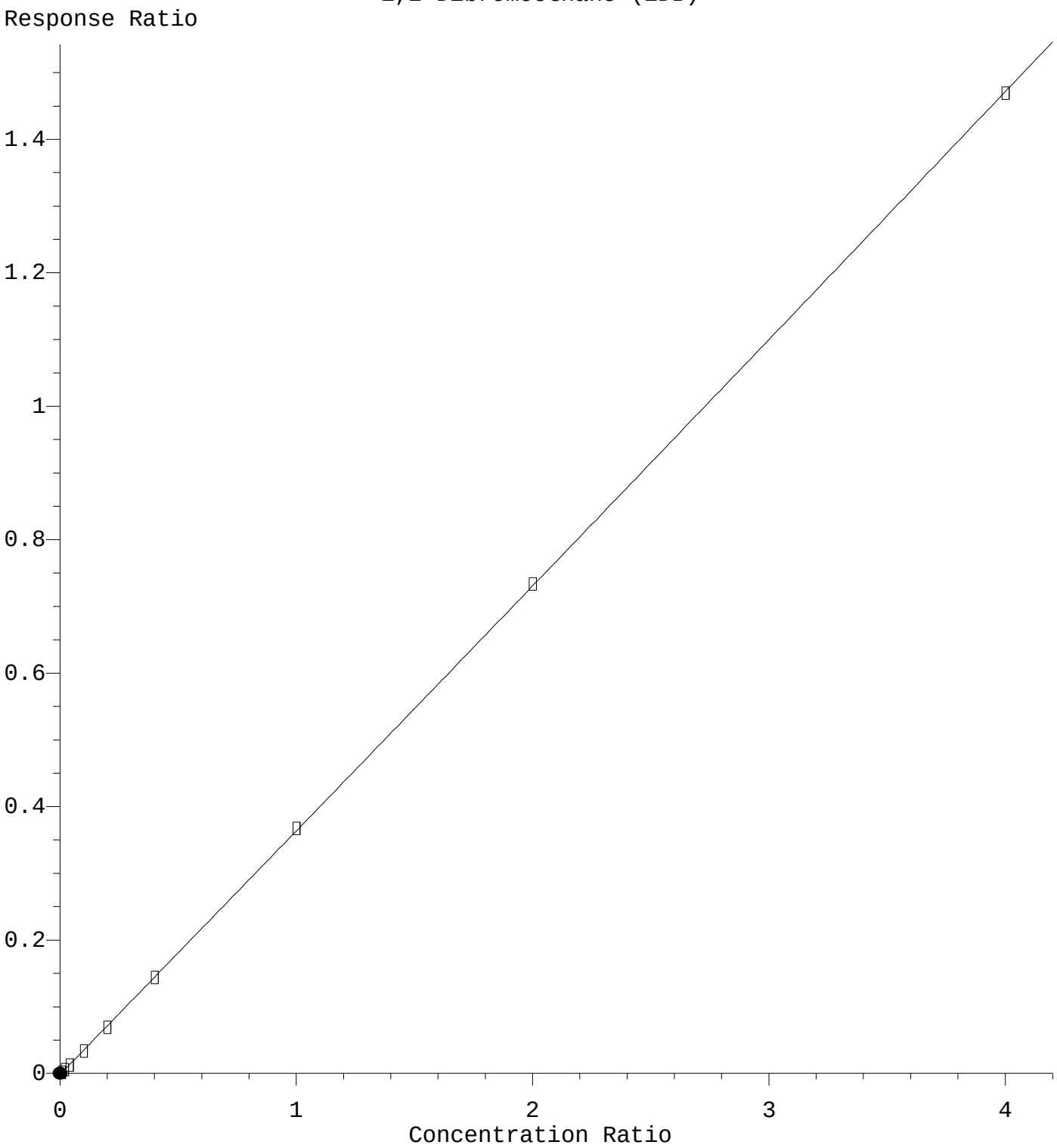
TIC: VI20111309.D\data.ms

(6) Chloroethane

2.469min (-0.006) 0.51 ug/L m

response 802

Ion	Exp%	Act%
64.00	100.00	100.00
49.00	39.40	26.90
66.00	38.90	36.16
0.00	0.00	0.00



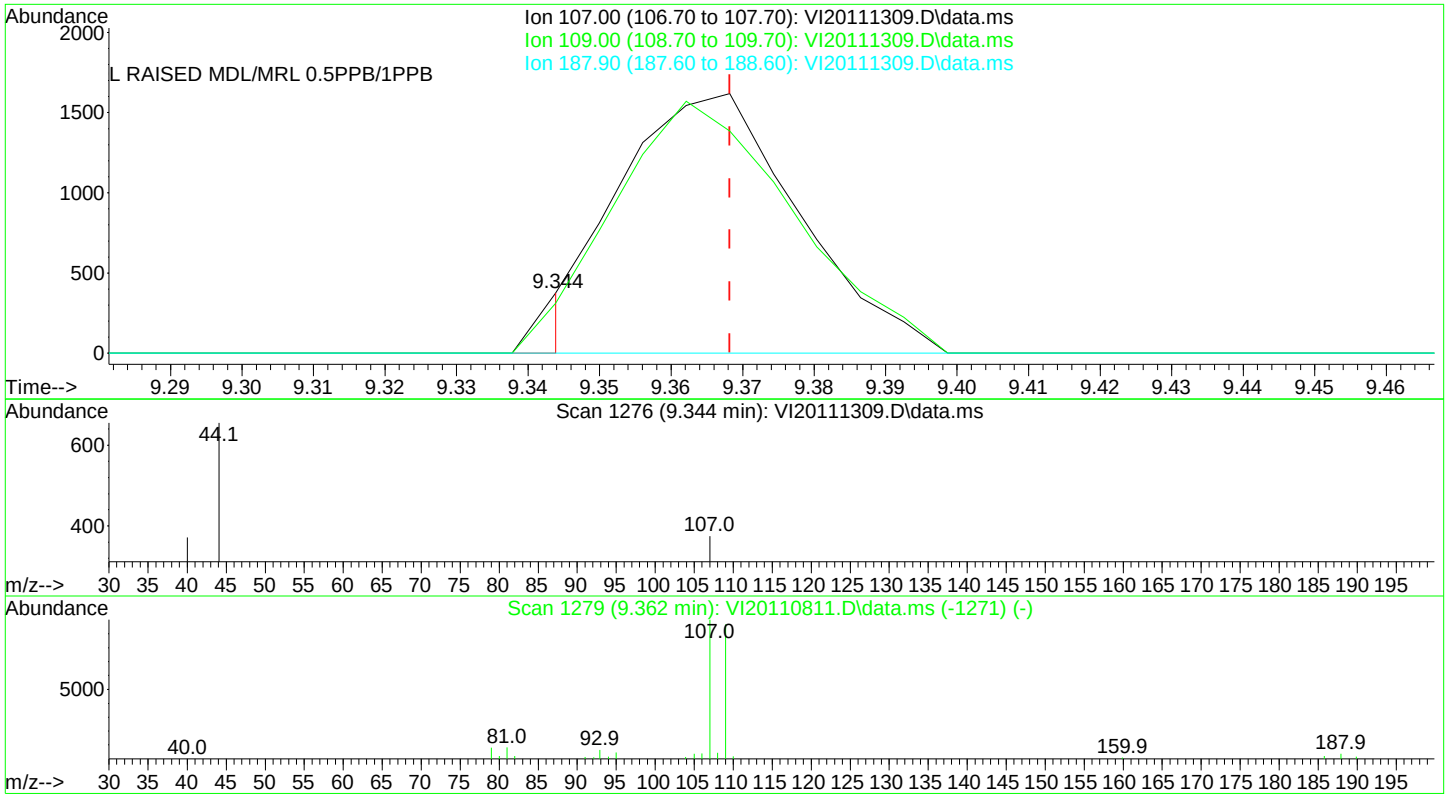
R = 1.09e-003 A*A + 3.64e-001 A - 1.48e-003
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic w(1/a)
Method Name: C:\msdchem\1\methods\VI201114W.M
Calibration Table Last Updated: Sat Nov 14 16:43:49 2020

Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\REQUANT\
Data File : VI20111309.D
Acq On : 13 Nov 2020 10:34 pm
Operator : TNL
Sample : 0K13048-CAL5
Misc : 1X 5mL 2 PPB VOCR0
ALS Vial : 9 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 16:48:10 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 16:47:50 2020
Response via : Initial Calibration



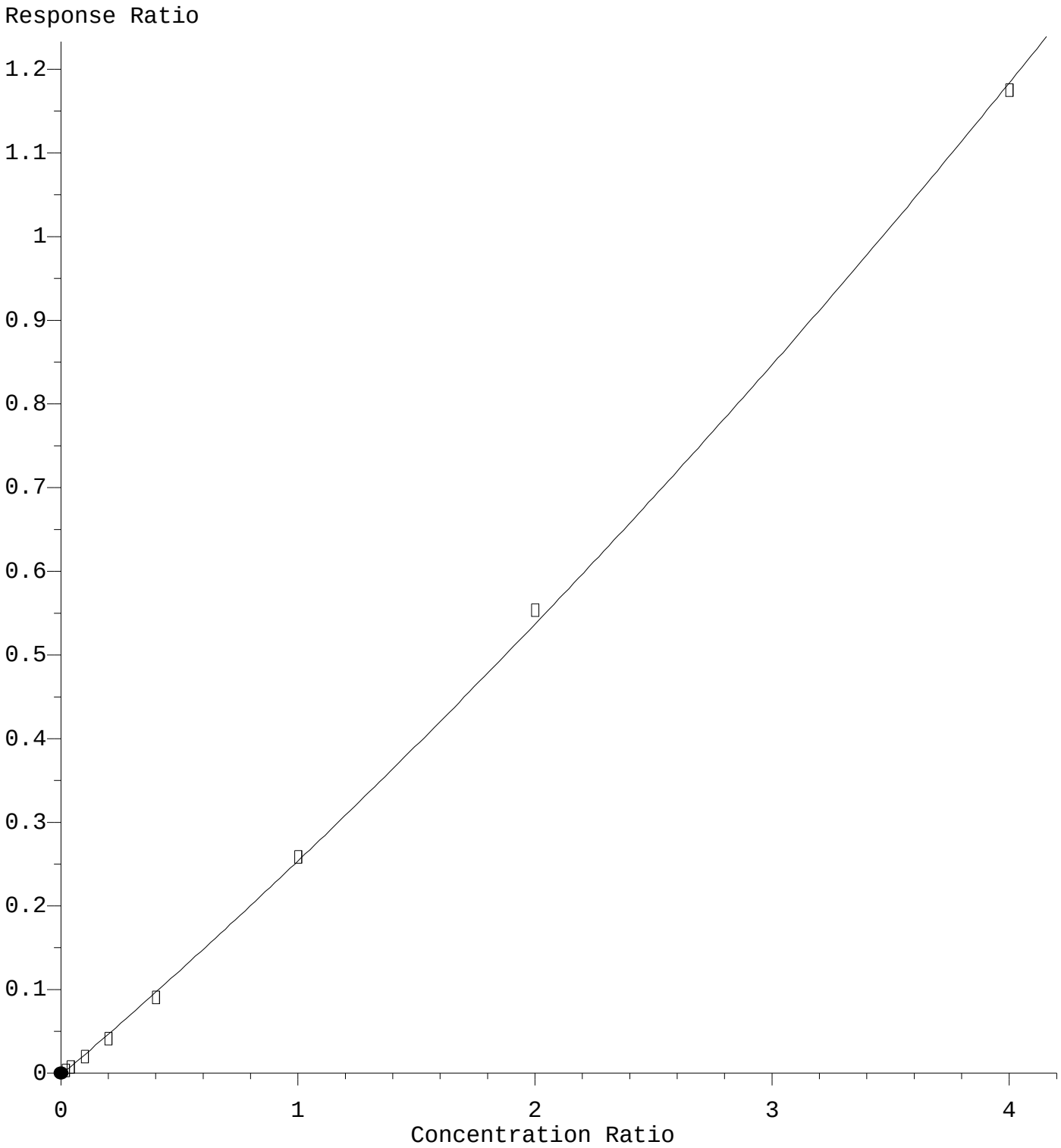
TIC: VI20111309.D\data.ms

(56) 1,2-Dibromoethane (EDB)

9.344min (-0.024) 0.28 ug/L m

response 137

Ion	Exp%	Act%
107.00	100.00	100.00
109.00	89.60	83.20
187.90	3.30	0.00
0.00	0.00	0.00



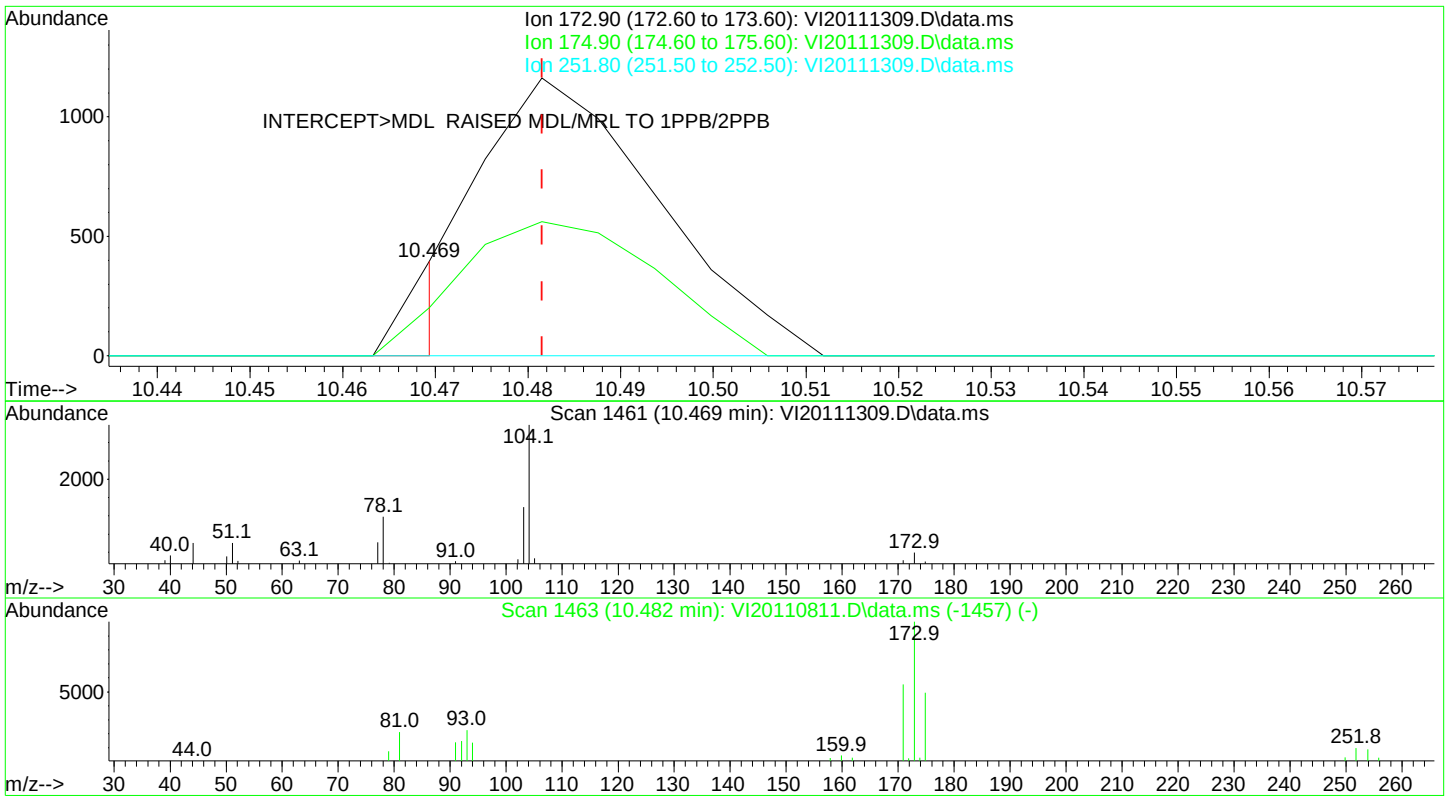
R = 1.34e-002 A*A + 2.43e-001 A - 2.50e-003
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w(1/a)
Method Name: C:\msdchem\1\methods\VI201114W.M
Calibration Table Last Updated: Sat Nov 14 16:43:49 2020

Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\REQUANT\
Data File : VI20111309.D
Acq On : 13 Nov 2020 10:34 pm
Operator : TNL
Sample : 0K13048-CAL5
Misc : 1X 5mL 2 PPB VOCR0
ALS Vial : 9 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 16:48:10 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 16:47:50 2020
Response via : Initial Calibration



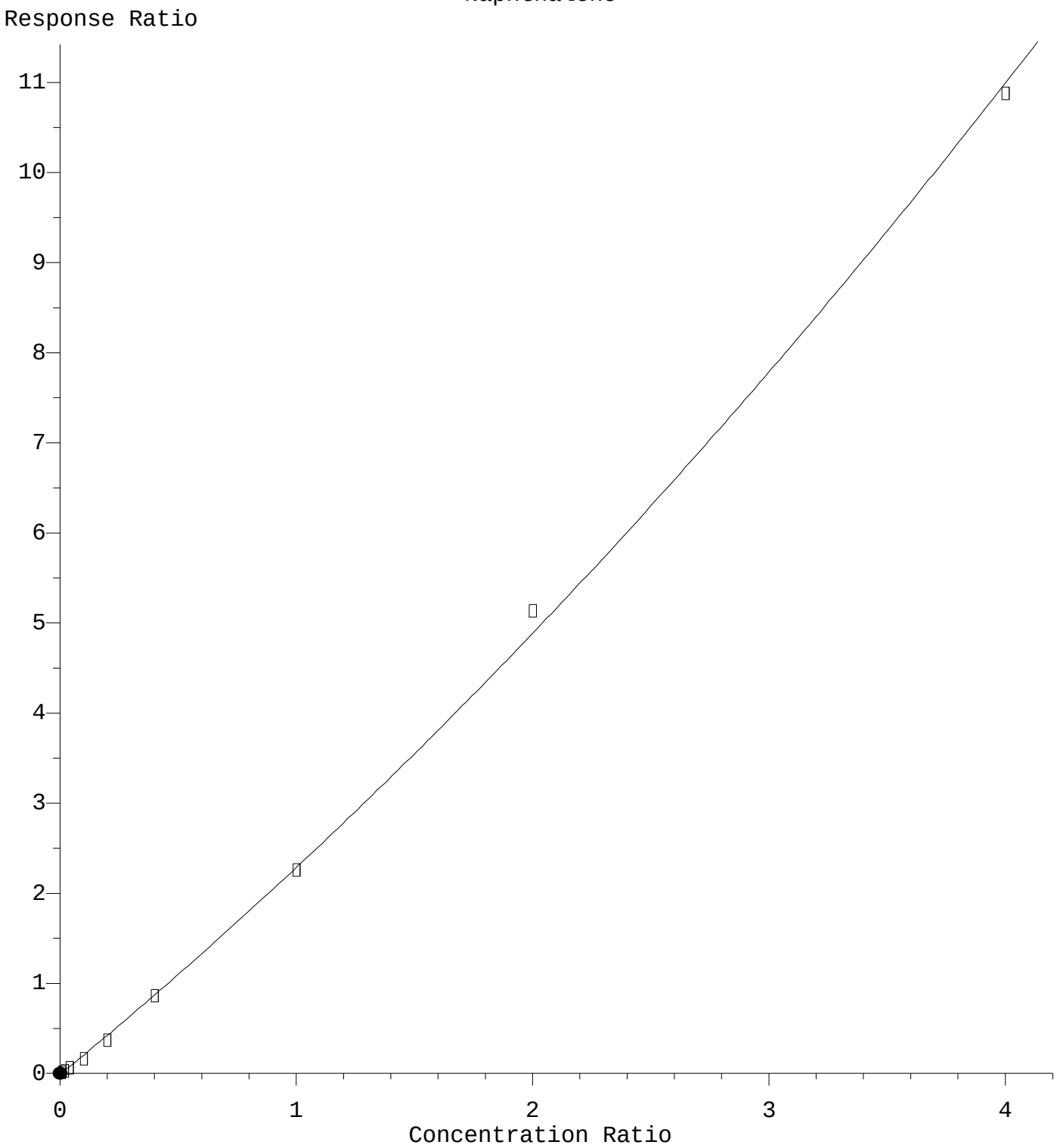
TIC: VI20111309.D\data.ms

(64) Bromoform (P)

10.469min (-0.012) 0.64 ug/L m

response 144

Ion	Exp%	Act%
172.90	100.00	100.00
174.90	49.20	50.89
251.80	13.30	0.00
0.00	0.00	0.00



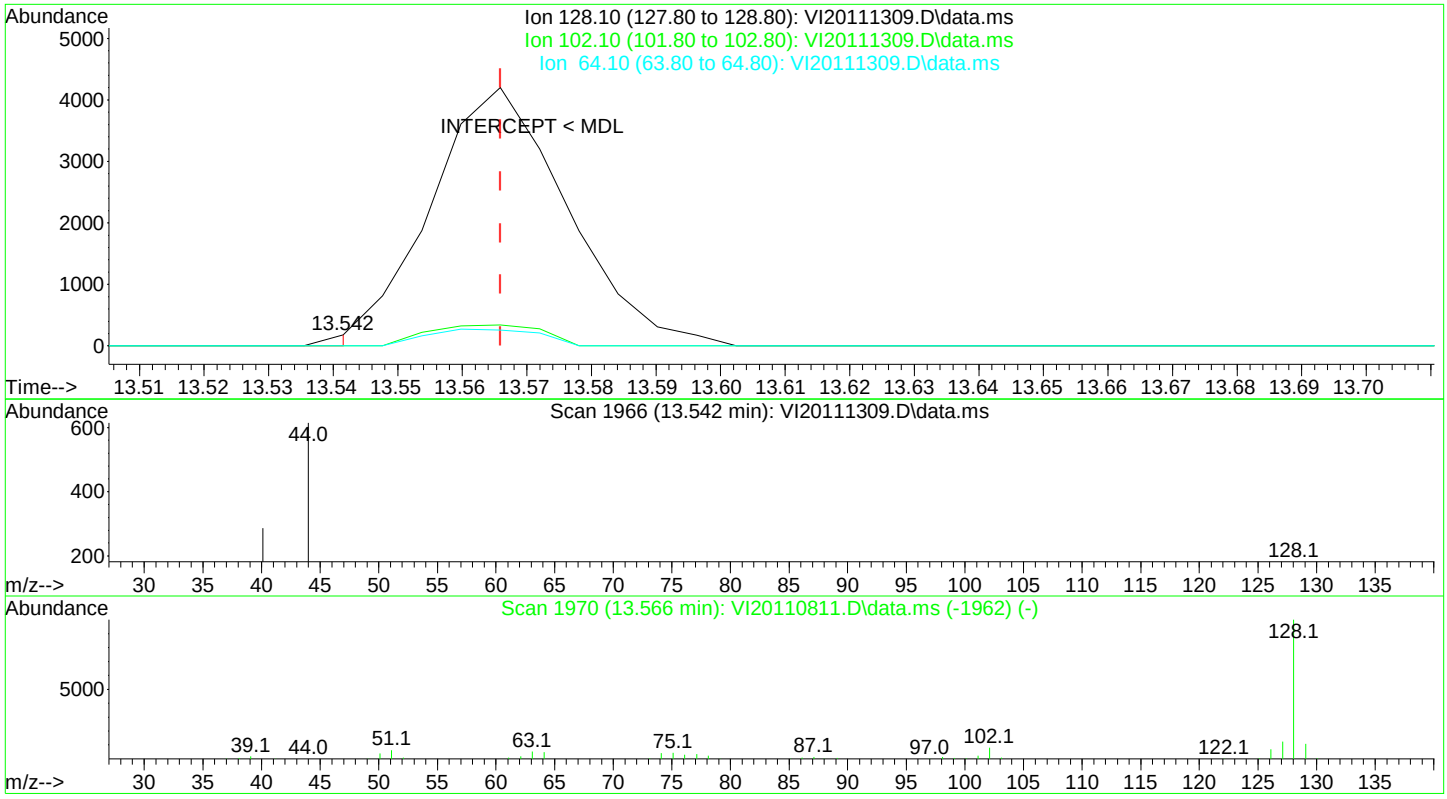
R = 1.51e-001 A*A + 2.15e+000 A - 1.30e-002
Coef of Det (r^2) = 0.998 Curve Fit: Quadratic w(1/a)
Method Name: C:\msdchem\1\methods\VI201114W.M
Calibration Table Last Updated: Sat Nov 14 16:43:49 2020

Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\REQUANT\
Data File : VI20111309.D
Acq On : 13 Nov 2020 10:34 pm
Operator : TNL
Sample : 0K13048-CAL5
Misc : 1X 5mL 2 PPB VOCR0
ALS Vial : 9 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 16:48:10 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 16:47:50 2020
Response via : Initial Calibration



TIC: VI20111309.D\data.ms

(87) Naphthalene

13.542min (-0.024) 0.32 ug/L m

response 66

Ion	Exp%	Act%
128.10	100.00	100.00
102.10	7.60	0.00
64.10	4.70	0.00
0.00	0.00	0.00

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0K13048

Analysis Included
8260D Oxygenates
QC - 624x/8260x All Cpds for Studies

11/15/20 TNL

INSTRUMENT SEQUENCE LOG

SampleID	SampleName	Matrix	STDID	ISTD ID	Analyzed
0K13048-TUN1	MS Tune	Water		A20I024	11/13/2020 5:57:00PM
0K13048-ICB1	Initial Cal Blank	Water		A20I024	11/13/2020 6:24:00PM
0K13048-CAL1	Cal Standard	Water	A20K242	"	11/13/2020 6:51:00PM
0K13048-CAL2	Cal Standard	Water	A20K243	"	11/13/2020 7:18:00PM
0K13048-CAL3	Cal Standard	Water	A20K244	"	11/13/2020 9:40:00PM
0K13048-CAL4	Cal Standard	Water	A20K245	"	11/13/2020 10:07:00PM
0K13048-CAL5	Cal Standard	Water	A20K246	"	11/13/2020 10:34:00PM
0K13048-CAL6	Cal Standard	Water	A20K247	"	11/13/2020 11:01:00PM
0K13048-CAL7	Cal Standard	Water	A20K248	"	11/13/2020 11:28:00PM
0K13048-CAL8	Cal Standard	Water	A20K249	"	11/13/2020 11:56:00PM
0K13048-CAL9	Cal Standard	Water	A20K162	"	11/14/2020 12:23:00AM
0K13048-CALA	Cal Standard	Water	A20K163	"	11/14/2020 1:17:00AM
0K13048-CALB	Cal Standard	Water	A20K164	"	11/14/2020 2:11:00AM
0K13048-ICV1	Initial Cal Check	Water	A20K165	"	11/14/2020 3:32:00AM

CALIBRATION STANDARD RECOVERIES

Calibration: **A0K1604** Instrument: **VOA-GCMS9**

8260D Oxygenates Sequence: **0K13048** Matrix: **Water**

0K13048-CAL1	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**

0K13048-CAL2	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**

0K13048-CAL3	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**

0K13048-CAL4	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**

0K13048-CAL5	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**

0K13048-CAL6	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**

0K13048-CAL7	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
Iodomethane	10.0000	0.00	10.0	0	NR

NO IDOMETHANE
BAD CURVE

0K13048-CAL8	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
Iodomethane	10.0000	0.00	20.0	0	NR

0K13048-CAL9	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
Iodomethane	10.0000	0.00	50.0	0	NR

0K13048-CALA	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
Iodomethane	10.0000	0.00	100	0	NR

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0K13048

0K13048-CALB	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Iodomethane	10.0000	0.00	200	0	NR

Compounds listed above have recalculated recoveries outside 70-130% of the true values, and the calibration levels are above the reporting level. If no compounds are listed, all are OK. Please see the next section for quadatic fit compounds.

Analytes With Quadratic Curve Fits

EDB (MDL/MRL 0.5PPB/1PPB)
Bromomethane (MDL/MRL 1PPB/2PPB)

Qualifier	iMDL	iMRL	Spike Amt	%Difference	OK?	Raise MRL to ?
					☐	☐ X

Analytes listed above have quadratic curve fits. If they are using a weighting otpion, they must be checked against the requanted curve points to determine if the recalculated results are within limits (70-130 or as specified).

ICV RECOVERIES

Calibration: **A0K1604** Instrument: **VOA-GCMS9**

QC - 624x/8260x All Cpds for Sequence: **0K13048** Matrix: **Water**

0K13048-ICV1	Inst. MRL	ICV Level	Result	%Rec.	Qual
Iodomethane	10	20.0	**0.00**	0	NR

Compounds listed above have Initial Calibration Verification standard recoveries outside 70-130% of the true values. If no compounds are listed, all have passing recoveries.

Evaluate Continuing Calibration Report

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111320.D
Acq On : 14 Nov 2020 3:32 am
Operator : TNL 11/15/20 TNL
Sample : 0K13048-ICV1
Misc : 1X 5mL 20/40PPB VOCRO
ALS Vial : 20 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 15 09:45:03 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sun Nov 15 09:44:54 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene (I)	50.000	50.000	0.0	99	0.00
2		Dichlorodifluoromethane	20.000	25.785	-28.9#	161	0.00
3	P	Chloromethane	20.000	23.399	-17.0	123	0.00
4	C	Vinyl Chloride	20.000	22.639	-13.2	117	0.00
5		Bromomethane	20.000	18.975	5.1	96	0.00
6		Chloroethane	20.000	21.653	-8.3	124	0.01
7		Trichlorofluoromethane	20.000	22.140	-10.7	108	0.02
8		Ethanol	1250.000	1194.167	4.5	98	-0.01
9	C	1,1-Dichloroethene	20.000	21.001	-5.0	103	0.00
10		Carbon Disulfide	20.000	21.468	-7.3	109	0.00
11		Freon 113	20.000	21.835	-9.2	105	0.00
12		Iodomethane	-1.000	0.000	0.0	0	0.00
13		Acrolein	20.000	20.684	-3.4	103	0.00
14		Methylene Chloride	20.000	19.589	2.1	101	0.00
15		Acetone	40.000	39.098	2.3	100	-0.01
16		t-1,2-Dichloroethene	20.000	21.266	-6.3	102	0.00
17		n-Hexane	20.000	21.233	-6.2	106	0.00
18		Methyl-tert-butyl-ether	20.000	20.838	-4.2	100	0.00
19		tert-Butanol (TBA)	1250.000	1269.190	-1.5	99	0.00
20		Diisopropyl ether (DIPE)	5.000	5.179	-3.6	102	0.00
21	P	1,1-Dichloroethane	20.000	20.183	-0.9	100	0.00
22		Acrylonitrile	20.000	20.852	-4.3	100	0.00
23		Ethyl-tert-butyl ether (ET	5.000	5.293	-5.9	102	0.11
24		Vinyl Acetate	20.000	21.513	-7.6	102	0.00
25		c-1,2-Dichloroethene	20.000	20.395	-2.0	100	0.00
26		2,2-Dichloropropane	20.000	20.355	-1.8	99	0.00
27		Bromochloromethane	20.000	21.572	-7.9	100	0.00
28	C	Chloroform	20.000	20.683	-3.4	100	0.00
29		Carbon Tetrachloride	20.000	20.848	-4.2	101	0.00
30		Tetrahydrofuran	20.000	20.773	-3.9	100	0.00
31		1,1,1-Trichloroethane	20.000	20.472	-2.4	100	0.00
32	S	Dibromofluoromethane (S)	50.000	50.291	-0.6	101	0.00

Evaluate Continuing Calibration Report

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111320.D
Acq On : 14 Nov 2020 3:32 am
Operator : TNL
Sample : 0K13048-ICV1
Misc : 1X 5mL 20/40PPB VOCRO
ALS Vial : 20 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 15 09:45:03 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sun Nov 15 09:44:54 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
33		1,1-Dichloropropene	20.000	21.283	-6.4	103	0.00
34		2-Butanone (MEK)	40.000	41.055	-2.6	100	0.00
35		Benzene	20.000	20.398	-2.0	101	0.00
36		tert-Amyl methyl ether (TA	5.000	4.882	2.4	97	0.13
37		1,2-Dichloroethane (EDC)	20.000	20.444	-2.2	97	0.00
38		iso-Butyl Alcohol	500.000	528.105	-5.6	100	-0.02
39	S	1,4-Difluorobenzene (S)	50.000	50.080	-0.2	99	0.00
40		Trichloroethene (TCE)	20.000	20.330	-1.6	99	0.00
41		Tert-Amyl-Ethyl-Ether (TAEE	5.000	5.580	-11.6	103	0.00
42		Dibromomethane	20.000	21.184	-5.9	98	0.00
43	C	1,2-Dichloropropane	20.000	20.302	-1.5	99	0.00
44		Bromodichloromethane	20.000	20.457	-2.3	99	0.00
45		Chlorobenzene-d5 (I)	50.000	50.000	0.0	98	0.00
46		2-Chloroethyl Vinyl Ether	20.000	20.258	-1.3	99	0.00
47		c-1,3-Dichloropropene	20.000	21.048	-5.2	97	0.00
48	S	Toluene-d8 (S)	50.000	49.783	0.4	99	0.00
49	C	Toluene	20.000	19.877	0.6	100	0.00
50		Tetrachloroethene (PCE)	20.000	20.435	-2.2	98	0.00
51		4-Methyl-2-Pentanone (MIBK)	40.000	41.504	-3.8	97	0.00
52		t-1,3-Dichloropropene	20.000	21.152	-5.8	99	0.00
53		1,1,2-Trichloroethane	20.000	20.830	-4.1	97	0.00
54		Dibromochloromethane	20.000	20.357	-1.8	97	0.00
55		1,3-Dichloropropane	20.000	20.969	-4.8	98	0.00
56		1,2-Dibromoethane (EDB)	20.000	19.882	0.6	98	0.00
57		2-Hexanone	40.000	43.836	-9.6	97	0.00
58	P	Chlorobenzene	20.000	20.351	-1.8	97	0.00
59	C	Ethylbenzene	20.000	19.887	0.6	98	-0.01
60		1,1,1,2-Tetrachloroethane	20.000	21.143	-5.7	99	0.00
61		m,p-Xylenes (2)	40.000	41.109	-2.8	99	0.00
62		o-Xylene	20.000	20.979	-4.9	99	0.00
63		Styrene	20.000	21.360	-6.8	97	0.00

Evaluate Continuing Calibration Report

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111320.D
Acq On : 14 Nov 2020 3:32 am
Operator : TNL
Sample : 0K13048-ICV1
Misc : 1X 5mL 20/40PPB VOCRO
ALS Vial : 20 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 15 09:45:03 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sun Nov 15 09:44:54 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
64	P	Bromoform	20.000	18.889	5.6	99	0.00
65		Isopropylbenzene	20.000	21.218	-6.1	99	0.00
66	I	1,4-Dichlorobenzene-d4 (I)	50.000	50.000	0.0	99	0.00
67	S	4-Bromofluorobenzene (S)	50.000	48.693	2.6	98	0.00
68		Bromobenzene	20.000	21.114	-5.6	100	0.00
69		n-Propylbenzene	20.000	20.714	-3.6	97	0.00
70	P	1,1,2,2-Tetrachloroethane	20.000	20.763	-3.8	99	0.00
71		2-Chlorotoluene	20.000	20.702	-3.5	99	0.00
72		1,3,5-Trimethylbenzene	20.000	21.085	-5.4	98	0.00
73		1,2,3-Trichloropropane	20.000	20.339	-1.7	100	0.00
74		t-1,4-Dichloro-2-butene	20.000	20.775	-3.9	93	0.00
75		4-Chlorotoluene	20.000	20.312	-1.6	96	0.00
76		tert-Butylbenzene	20.000	20.974	-4.9	97	0.00
77		1,2,4-Trimethylbenzene	20.000	21.781	-8.9	98	0.00
78		sec-Butylbenzene	20.000	20.926	-4.6	99	0.00
79		4-Isopropyltoluene	20.000	21.582	-7.9	98	0.00
80		1,3-Dichlorobenzene	20.000	20.650	-3.2	98	0.00
81		1,4-Dichlorobenzene	20.000	20.075	-0.4	98	0.00
82		n-Butylbenzene	20.000	21.596	-8.0	97	-0.01
83		1,2-Dichlorobenzene	20.000	21.110	-5.5	99	0.00
84		1,2-Dibromo-3-Chloropropane	20.000	19.833	0.8	97	0.00
85		Hexachlorobutadiene	20.000	21.889	-9.4	98	0.00
86		1,2,4-Trichlorobenzene	20.000	22.108	-10.5	98	0.00
87		Naphthalene	20.000	18.646	6.8	93	0.00
88		1,2,3-Trichlorobenzene	20.000	22.533	-12.7	95	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Calibration Status Report VOA-GCMS9

Method Path : C:\msdchem\1\methods\
Method File : VI201114G.M
Title : NWTPH-Gx by GC/MS
Last Update : Sat Nov 14 17:27:50 2020
Response Via : Initial Calibration

11/15/20 TNL

#	ID	Conc	ISTD Conc	Path\File
1	50	50	50	C:\msdchem\1\data\2020-11\0K13048\VI20111326.D
2	100	100	50	C:\msdchem\1\data\2020-11\0K13048\VI20111327.D
3	250	250	50	C:\msdchem\1\data\2020-11\0K13048\VI20111328.D
4	500	500	50	C:\msdchem\1\data\2020-11\0K13048\VI20111329.D
5	1000	1000	50	C:\msdchem\1\data\2020-11\0K13048\VI20111330.D
6	2500	2500	50	C:\msdchem\1\data\2020-11\0K13048\VI20111331.D
7	5000	5000	50	C:\msdchem\1\data\2020-11\0K13048\VI20111332.D
8	10K	-1	50	C:\msdchem\1\data\2020-11\0K13048\VI20111333.D

#	ID	Update Time	Quant Time	Acquisition Time
1	50	Nov 14 17:27 2020	Nov 14 17:20 2020	14 Nov 2020 6:15 am
2	100	Nov 14 17:27 2020	Nov 14 17:21 2020	14 Nov 2020 6:42 am
3	250	Nov 14 17:27 2020	Nov 14 17:21 2020	14 Nov 2020 7:09 am
4	500	Nov 14 17:27 2020	Nov 14 17:22 2020	14 Nov 2020 7:36 am
5	1000	Nov 14 17:27 2020	Nov 14 17:22 2020	14 Nov 2020 9:27 am
6	2500	Nov 14 17:27 2020	Nov 14 17:24 2020	14 Nov 2020 9:54 am
7	5000	Nov 14 17:27 2020	Nov 14 17:25 2020	14 Nov 2020 10:21 am
8	10K	Nov 14 17:27 2020	Nov 14 17:25 2020	14 Nov 2020 10:48 am

VI201114G.M Sun Nov 15 09:35:23 2020

Response Factor Report VOA-GCMS9

Method Path : C:\msdchem\1\methods\
Method File : VI201114G.M
Title : NWTPH-Gx by GC/MS
Last Update : Sat Nov 14 17:27:50 2020
Response Via : Initial Calibration

Calibration Files
50 =VI20111326.D 100 =VI20111327.D 250 =VI20111328.D 500 =VI20111329.D 1000=VI20111330.D
2500=VI20111331.D 5000=VI20111332.D 10K =VI20111333.D

		Compound	50	100	250	500	1000	2500	5000	10K	Avg	%RSD
1)	I	Pentafluorobenzene...	----------ISTD----------									
2)	S	1,4-Difluorobe...	1.580	1.588	1.586	1.595	1.638	1.611	1.620	1.611	1.603	1.23
3)	S	4-Bromofluorob...	0.502	0.500	0.507	0.512	0.547	0.544	0.565	0.576	0.532	5.69
4)	H	NWTPH-Gx (TPH)	0.849	0.940	1.127	1.291	1.460	1.614	1.752		1.291	26.29
5)	H	TPHg (C5-C9)	0.291	0.761	1.270	1.544	1.736	1.895	2.001		1.357	46.44
6)	H	TPHg (C6-C10)		0.518	1.045	1.318	1.502	1.654	1.750		1.298	35.23
7)	H	CA-LUFT (C5-C12)	3.210	2.328	2.073	2.126	2.259	2.401	2.572		2.424	15.87
8)		Benzene (NR)									0.000	-1.00
9)	S	Toluene-d8 (NR)									0.000	-1.00
10)		Toluene (NR)									0.000	-1.00
11)	S	Chlorobenzene-...									0.000	-1.00
12)	S	1,4-Dichlorobe...									0.000	-1.00
13)		Naphthalene (NR)									0.000	-1.00

(#) = Out of Range

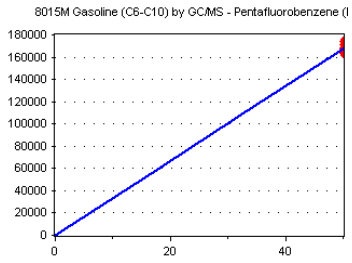
Element Calibration Review Sheet

Calibration ID: **A0K1604** Instrument: **VOA-GCMS9** Calibration Date: **11/16/2020**

Analysis: **8015M Gasoline (C6-C10) by** Instrument Cal ID: **VI201114W.M/VI201114G.M**

Pentafluorobenzene (IS)

Curve Fit: **AVERAGE RF**

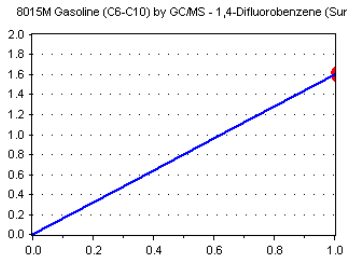


Standard	Concentration	Response	Response Factor	RT
0K13048-CALC	50	165118	3302.360	6.15
0K13048-CALD	50	167859	3357.180	6.15
0K13048-CALE	50	165904	3318.080	6.15
0K13048-CALF	50	167182	3343.640	6.15
0K13048-CALG	50	163081	3261.620	6.15
0K13048-CALH	50	171282	3425.640	6.15
0K13048-CALI	50	164376	3287.520	6.15
0K13048-CALJ	50	174056	3481.120	6.15

AVE RF **3347.145** RF RSD **2.20** AVE RT **6.15**

1,4-Difluorobenzene (Sur)

Curve Fit: **AVERAGE RF**

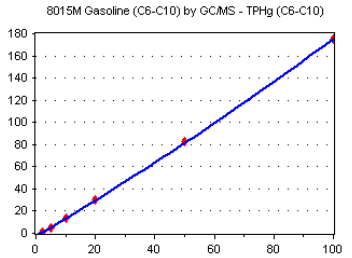


Standard	Concentration	Response	Response Factor	RT
0K13048-CALC	50	260922	1.580	6.71
0K13048-CALD	50	266617	1.588	6.71
0K13048-CALE	50	263048	1.586	6.71
0K13048-CALF	50	266578	1.595	6.71
0K13048-CALG	50	267084	1.638	6.72
0K13048-CALH	50	275891	1.611	6.72
0K13048-CALI	50	266221	1.620	6.71
0K13048-CALJ	50	280319	1.611	6.71

AVE RF **1.603** RF RSD **1.23** AVE RT **6.71**

TPHg (C6-C10)

Curve Fit: **QUADRATIC: Weighting: (1/a), Origin: Ignore**

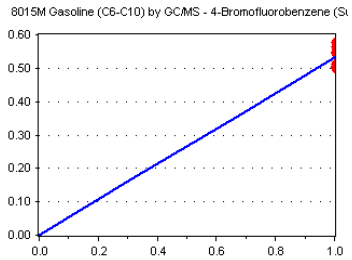


Standard	Concentration	Response	Response Factor	RT
~~0K13048-CALC~~	~~50~~	~~-38688~~	~~-0.234~~	~~0.00~~
0K13048-CALD	100	173984	0.518	9.89
0K13048-CALE	250	866533	1.045	9.89
0K13048-CALF	500	2204160	1.318	9.89
0K13048-CALG	1000	4898826	1.502	9.89
0K13048-CALH	2500	1.416491E+07	1.654	9.89
0K13048-CALI	5000	2.877237E+07	1.750	9.89
~~0K13048-CALJ~~	~~10000~~	~~4.876116E+07~~	~~1.401~~	~~9.89~~

AVE RF **1.298** RF RSD **35.23** AVE RT **9.89**

4-Bromofluorobenzene (Sur)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0K13048-CALC	50	82875	0.502	10.92
0K13048-CALD	50	83882	0.500	10.92
0K13048-CALE	50	84066	0.507	10.92
0K13048-CALF	50	85605	0.512	10.92
0K13048-CALG	50	89168	0.547	10.92
0K13048-CALH	50	93221	0.544	10.92
0K13048-CALI	50	92954	0.565	10.92
0K13048-CALJ	50	100267	0.576	10.92

AVE RF **0.532** RF RSD **5.69** AVE RT **10.92**

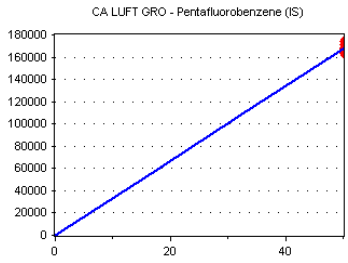
Element Calibration Review Sheet

Calibration ID: **A0K1604** Instrument: **VOA-GCMS9** Calibration Date: **11/16/2020**

Analysis: **CA LUFT GRO** Instrument Cal ID: **VI201114W.M/VI201114G.M**

Pentafluorobenzene (IS)

Curve Fit: **AVERAGE RF**

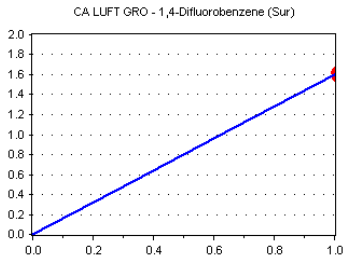


Standard	Concentration	Response	Response Factor	RT
0K13048-CALC	50	165118	3302.360	6.15
0K13048-CALD	50	167859	3357.180	6.15
0K13048-CALE	50	165904	3318.080	6.15
0K13048-CALF	50	167182	3343.640	6.15
0K13048-CALG	50	163081	3261.620	6.15
0K13048-CALH	50	171282	3425.640	6.15
0K13048-CALI	50	164376	3287.520	6.15
0K13048-CALJ	50	174056	3481.120	6.15

AVE RF **3347.145** RF RSD **2.20** AVE RT **6.15**

1,4-Difluorobenzene (Sur)

Curve Fit: **AVERAGE RF**

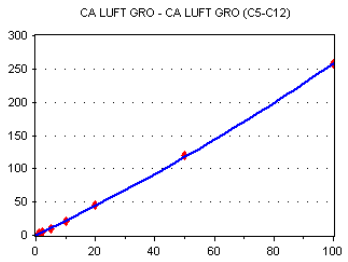


Standard	Concentration	Response	Response Factor	RT
0K13048-CALC	50	260922	1.580	6.71
0K13048-CALD	50	266617	1.588	6.71
0K13048-CALE	50	263048	1.586	6.71
0K13048-CALF	50	266578	1.595	6.71
0K13048-CALG	50	267084	1.638	6.72
0K13048-CALH	50	275891	1.611	6.72
0K13048-CALI	50	266221	1.620	6.71
0K13048-CALJ	50	280319	1.611	6.71

AVE RF **1.603** RF RSD **1.23** AVE RT **6.71**

CA LUFT GRO (C5-C12)

Curve Fit: **QUADRATIC: Weighting: (1/a), Origin: Ignore**

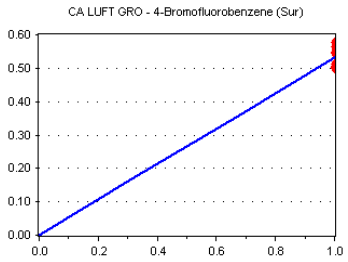


Standard	Concentration	Response	Response Factor	RT
0K13048-CALC	50	529946	3.209	9.89
0K13048-CALD	100	781522	2.328	9.89
0K13048-CALE	250	1719677	2.073	9.89
0K13048-CALF	500	3553565	2.126	9.89
0K13048-CALG	1000	7366907	2.259	9.89
0K13048-CALH	2500	2.056243E+07	2.401	9.89
0K13048-CALI	5000	4.227765E+07	2.572	9.89
~~0K13048-CALJ~~	~~10000~~	~~7.128018E+07~~	~~2.048~~	~~9.89~~

AVE RF **2.424** RF RSD **15.87** AVE RT **9.89**

4-Bromofluorobenzene (Sur)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0K13048-CALC	50	82875	0.502	10.92
0K13048-CALD	50	83882	0.500	10.92
0K13048-CALE	50	84066	0.507	10.92
0K13048-CALF	50	85605	0.512	10.92
0K13048-CALG	50	89168	0.547	10.92
0K13048-CALH	50	93221	0.544	10.92
0K13048-CALI	50	92954	0.565	10.92
0K13048-CALJ	50	100267	0.576	10.92

AVE RF **0.532** RF RSD **5.69** AVE RT **10.92**

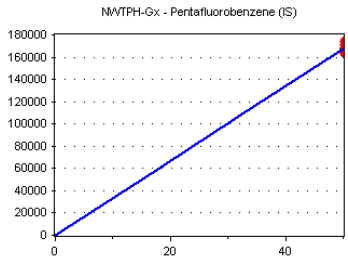
Element Calibration Review Sheet

Calibration ID: **A0K1604** Instrument: **VOA-GCMS9** Calibration Date: **11/16/2020**

Analysis: **NWTPH-Gx** Instrument Cal ID: **VI201114W.M/VI201114G.M**

Pentafluorobenzene (IS)

Curve Fit: **AVERAGE RF**

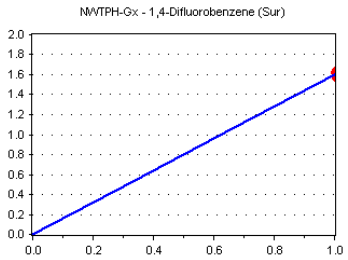


Standard	Concentration	Response	Response Factor	RT
0K13048-CALC	50	165118	3302.360	6.15
0K13048-CALD	50	167859	3357.180	6.15
0K13048-CALE	50	165904	3318.080	6.15
0K13048-CALF	50	167182	3343.640	6.15
0K13048-CALG	50	163081	3261.620	6.15
0K13048-CALH	50	171282	3425.640	6.15
0K13048-CALI	50	164376	3287.520	6.15
0K13048-CALJ	50	174056	3481.120	6.15

AVE RF **3347.145** RF RSD **2.20** AVE RT **6.15**

1,4-Difluorobenzene (Sur)

Curve Fit: **AVERAGE RF**

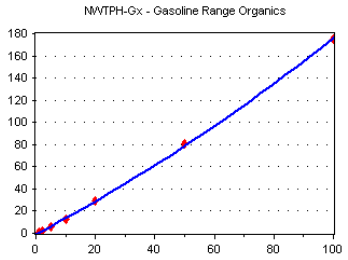


Standard	Concentration	Response	Response Factor	RT
0K13048-CALC	50	260922	1.580	6.71
0K13048-CALD	50	266617	1.588	6.71
0K13048-CALE	50	263048	1.586	6.71
0K13048-CALF	50	266578	1.595	6.71
0K13048-CALG	50	267084	1.638	6.72
0K13048-CALH	50	275891	1.611	6.72
0K13048-CALI	50	266221	1.620	6.71
0K13048-CALJ	50	280319	1.611	6.71

AVE RF **1.603** RF RSD **1.23** AVE RT **6.71**

Gasoline Range Organics

Curve Fit: **QUADRATIC: Weighting: (1/a), Origin: Ignore**

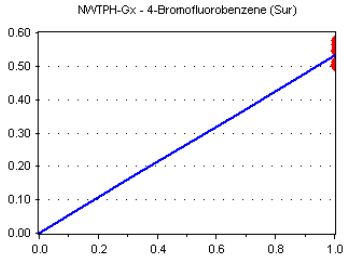


Standard	Concentration	Response	Response Factor	RT
0K13048-CALC	50	140256	0.849	9.89
0K13048-CALD	100	315665	0.940	9.89
0K13048-CALE	250	935238	1.127	9.89
0K13048-CALF	500	2158738	1.291	9.89
0K13048-CALG	1000	4760462	1.460	9.89
0K13048-CALH	2500	1.382527E+07	1.614	9.89
0K13048-CALI	5000	2.880574E+07	1.752	9.89
~~0K13048-CALJ~~	~~10000~~	~~5.339863E+07~~	~~1.534~~	~~9.89~~

AVE RF **1.291** RF RSD **26.29** AVE RT **9.89**

4-Bromofluorobenzene (Sur)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0K13048-CALC	50	82875	0.502	10.92
0K13048-CALD	50	83882	0.500	10.92
0K13048-CALE	50	84066	0.507	10.92
0K13048-CALF	50	85605	0.512	10.92
0K13048-CALG	50	89168	0.547	10.92
0K13048-CALH	50	93221	0.544	10.92
0K13048-CALI	50	92954	0.565	10.92
0K13048-CALJ	50	100267	0.576	10.92

AVE RF **0.532** RF RSD **5.69** AVE RT **10.92**

Compound List Report VOA-GCMS9

Method Path : C:\msdchem\1\methods\
Method File : VI201114G.M
Title : NWTPH-Gx by GC/MS
Last Update : Sat Nov 14 17:27:50 2020
Response Via : Initial Calibration

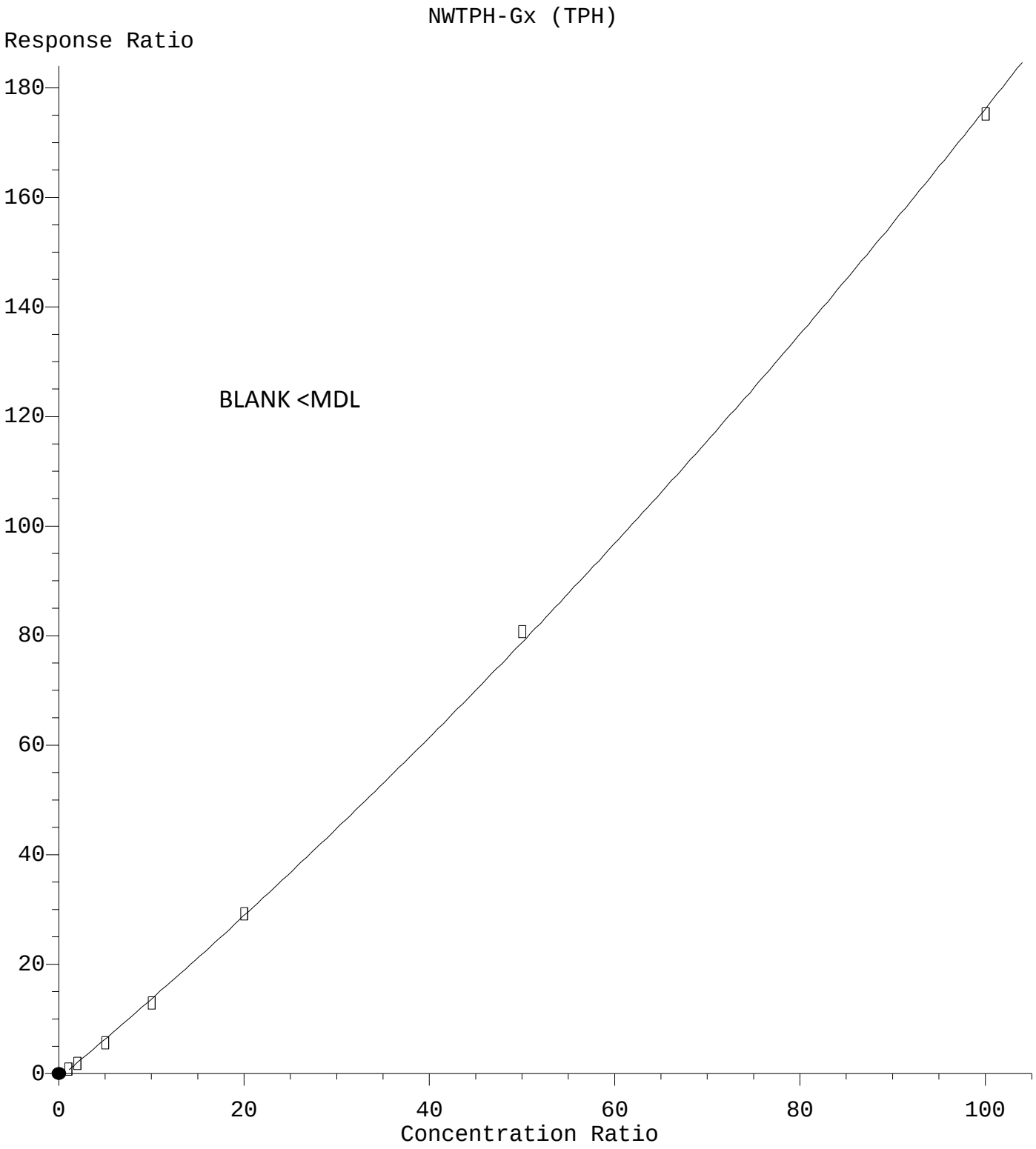
11/15/20 TNL

Total Cpnds : 13

PK#		Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1	I	Pentafluorobenzene (IS)	168	6.150	1.000	A	2	A	B
2	S	1,4-Difluorobenzene (Sur)	114	6.710	1.091	A	2	A	B
3	S	4-Bromofluorobenzene (Sur)	174	10.919	1.776	A	2	A	B
4	H	NWTPH-Gx (TPH)	TIC	9.890	1.608	Q	0	A	B
5	H	TPHg (C5-C9)	TIC	9.890	1.608	Q	0	A	B
6	H	TPHg (C6-C10)	TIC	9.890	1.608	Q	0	A	B
7	H	CA-LUFT (C5-C12)	TIC	9.890	1.608	Q	0	A	B
8		Benzene (NR)	78	6.053	0.984	A	2	A	B
9	S	Toluene-d8 (NR)	98	8.224	1.337	A	2	A	B
10		Toluene (NR)	91	8.279	1.346	A	2	A	B
11	S	Chlorobenzene-d5 (NR)	117	9.855	1.602	A	2	A	B
12	S	1,4-Dichlorobenzene-d4 (NR)	150	11.802	1.919	A	2	A	B
13		Naphthalene (NR)	128	13.566	2.206	A	2	A	B

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
#Qual = number of qualifiers
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

VI201114G.M Sun Nov 15 09:36:18 2020



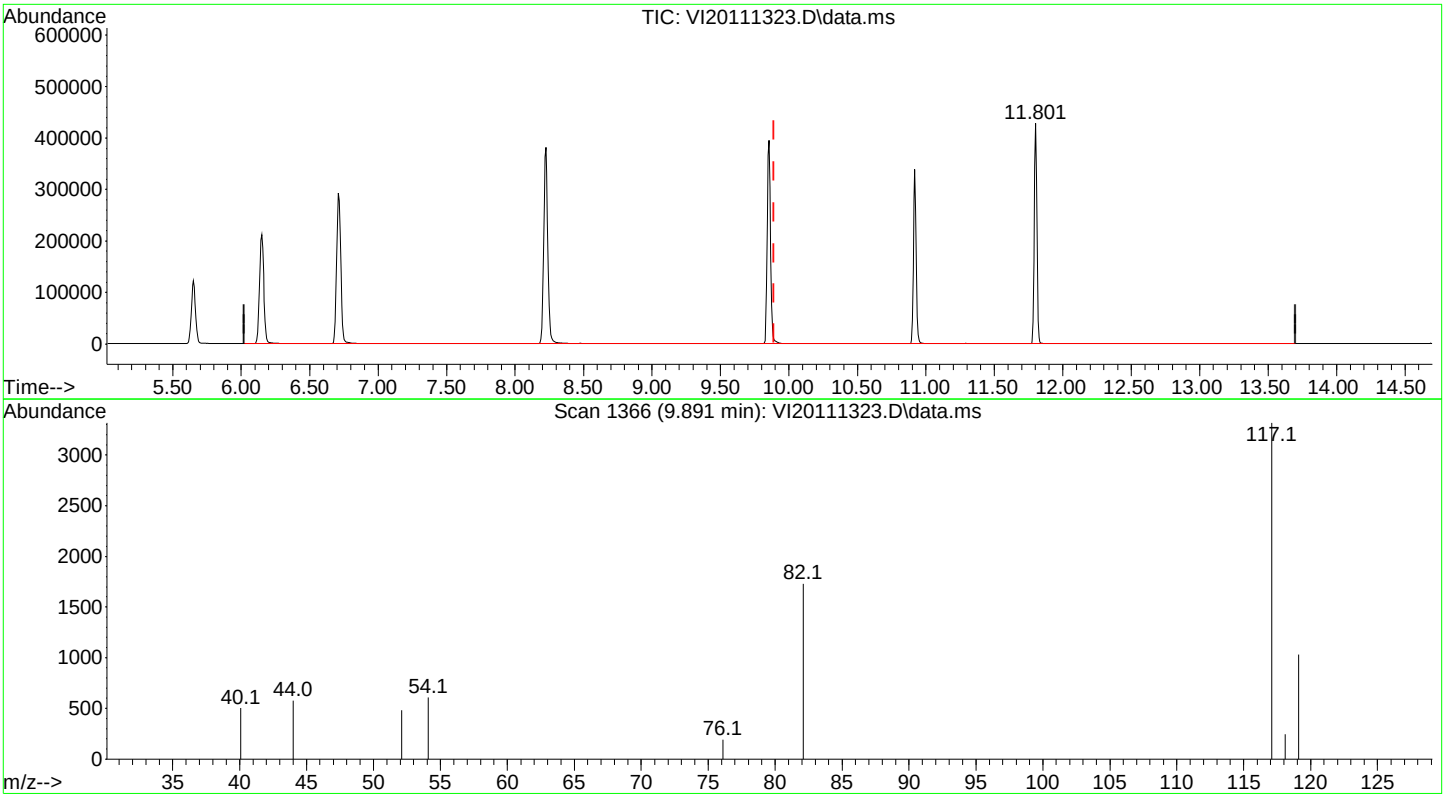
R = 3.58e-003 A*A + 1.41e+000 A - 8.10e-001
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w(1/a)
Method Name: C:\msdchem\1\methods\VI201114G.M
Calibration Table Last Updated: Sun Nov 15 09:31:02 2020

Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111323.D
Acq On : 14 Nov 2020 4:54 am
Operator : TNL
Sample : 0K13048-ICB2
Misc : 1X 5mL DI
ALS Vial : 23 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 15 09:37:11 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:27:50 2020
Response via : Initial Calibration



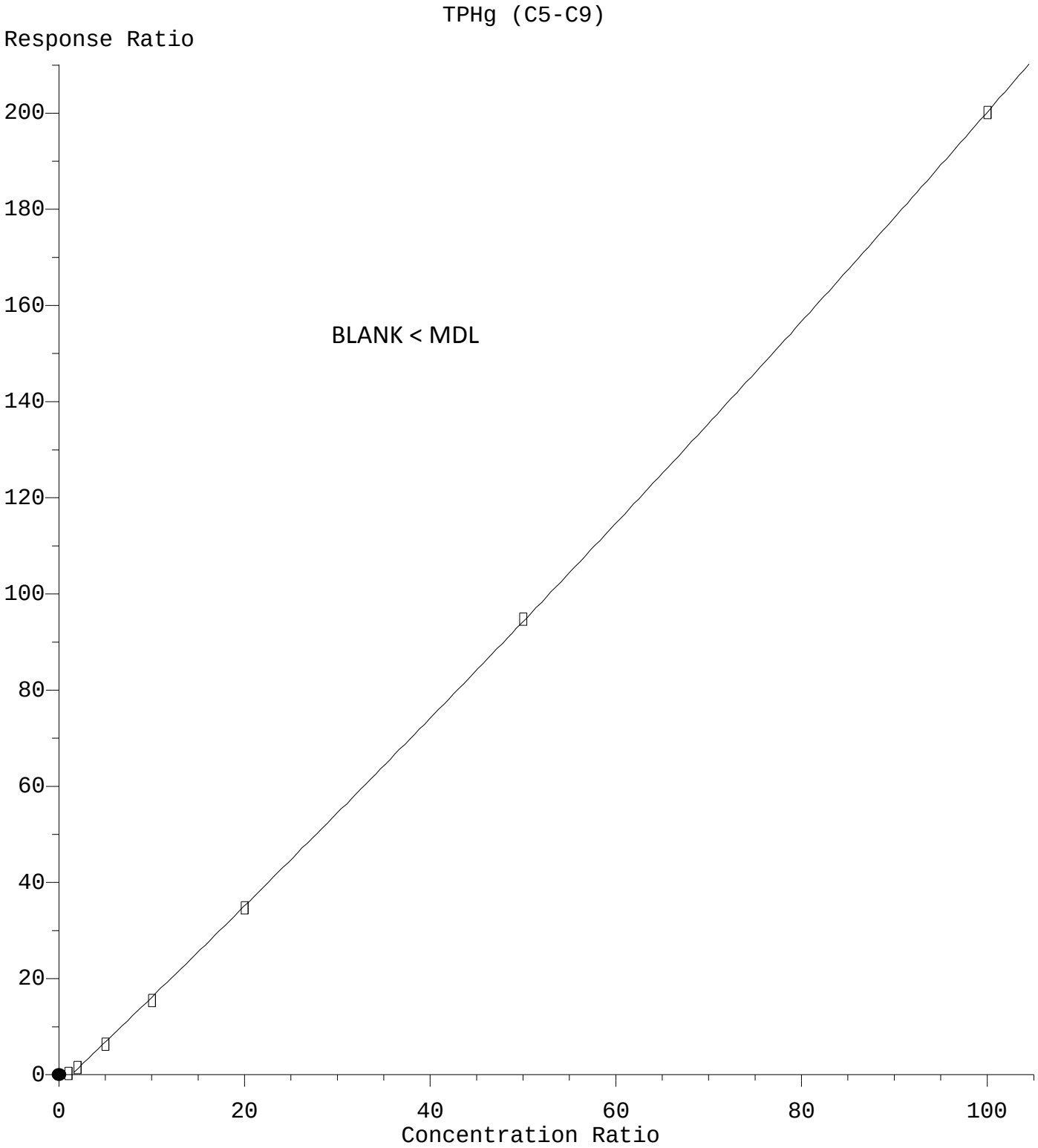
TIC: VI20111323.D\data.ms

(4) NWTPH-Gx (TPH) (H)

9.890min (0.000) 23.75 ug/L m

response -24050

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	-0.00
0.00	0.00	-0.00
0.00	0.00	-0.00



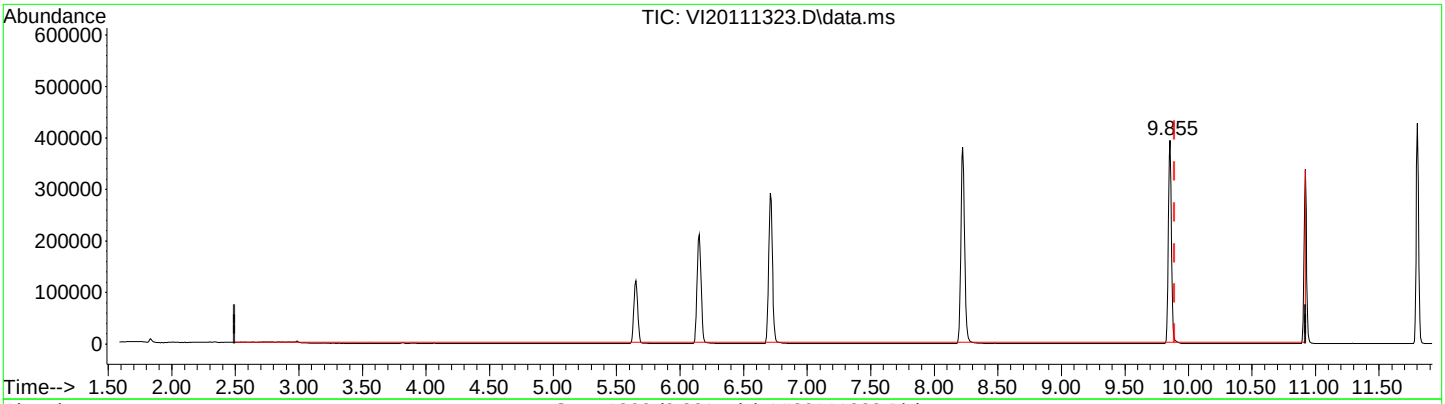
R = 1.87e-003 A*A + 1.84e+000 A - 2.43e+000
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic
Method Name: C:\msdchem\1\methods\VI201114G.M
Calibration Table Last Updated: Sun Nov 15 09:31:02 2020

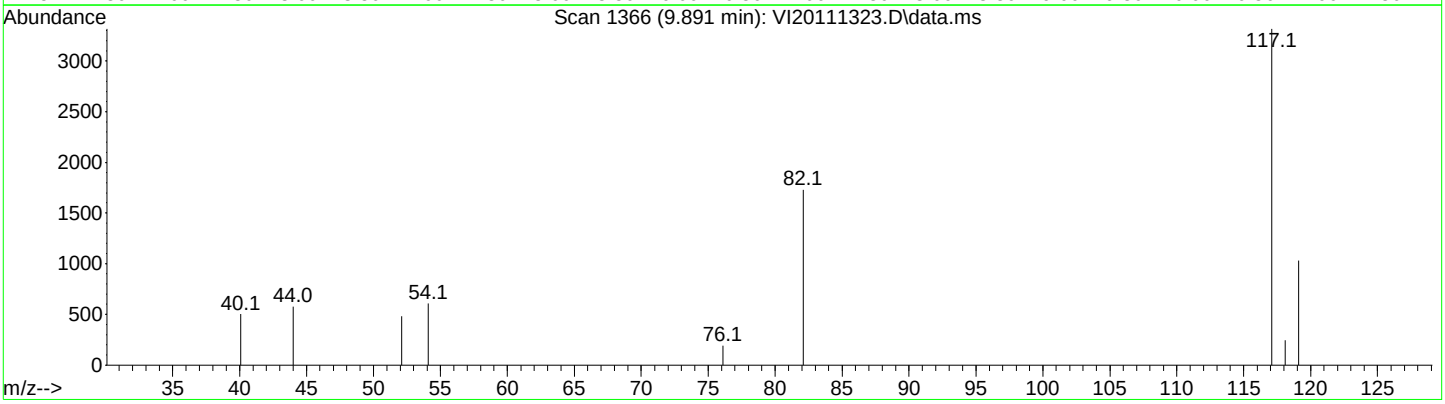
Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111323.D
Acq On : 14 Nov 2020 4:54 am
Operator : TNL
Sample : 0K13048-ICB2
Misc : 1X 5mL DI
ALS Vial : 23 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 15 09:37:11 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:27:50 2020
Response via : Initial Calibration





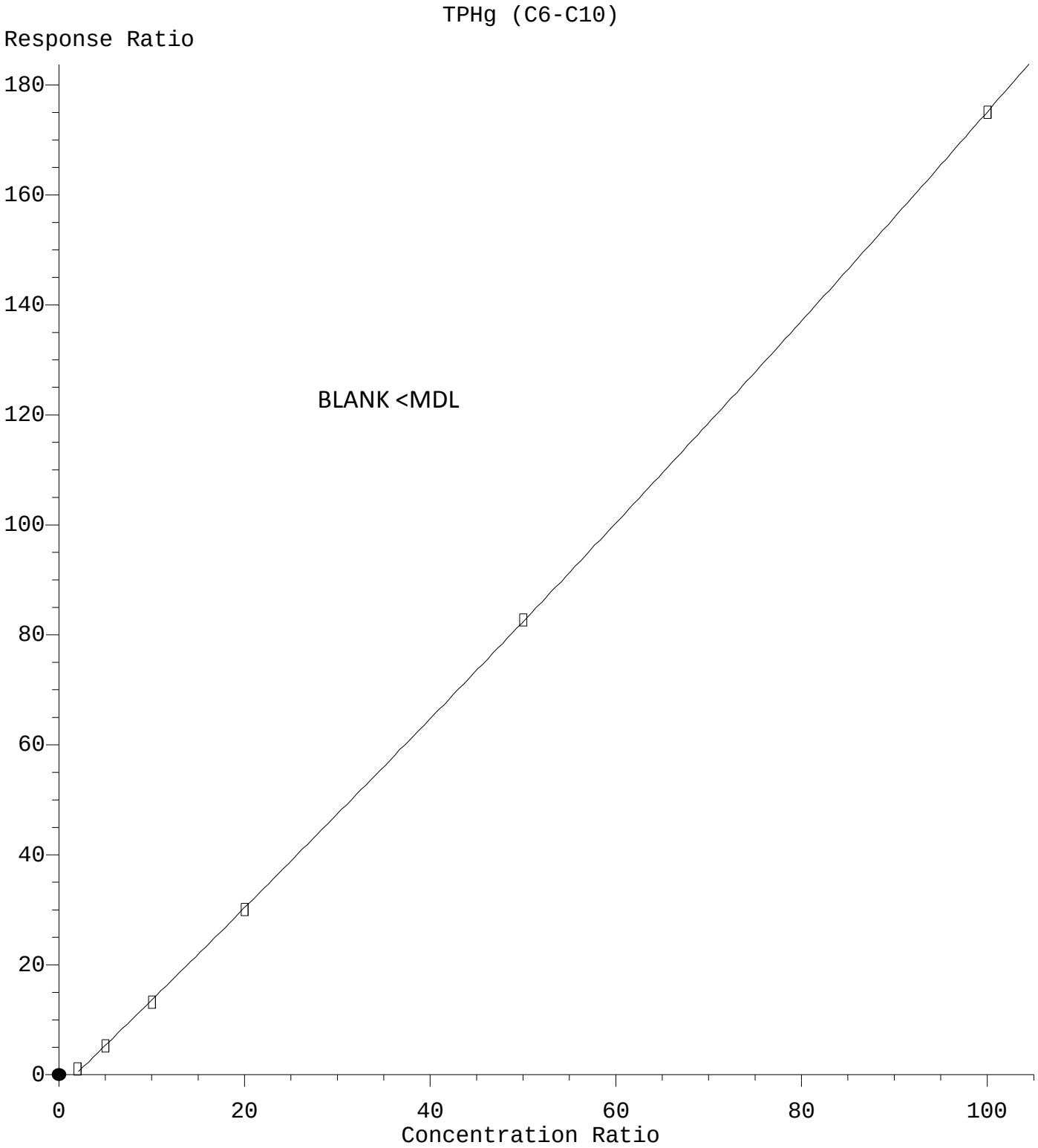
TIC: VI20111323.D\data.ms

(5) TPHg (C5-C9) (H)

9.890min (0.000) 32.47 ug/L m

response -214376

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	-0.00
0.00	0.00	-0.00
0.00	0.00	-0.00



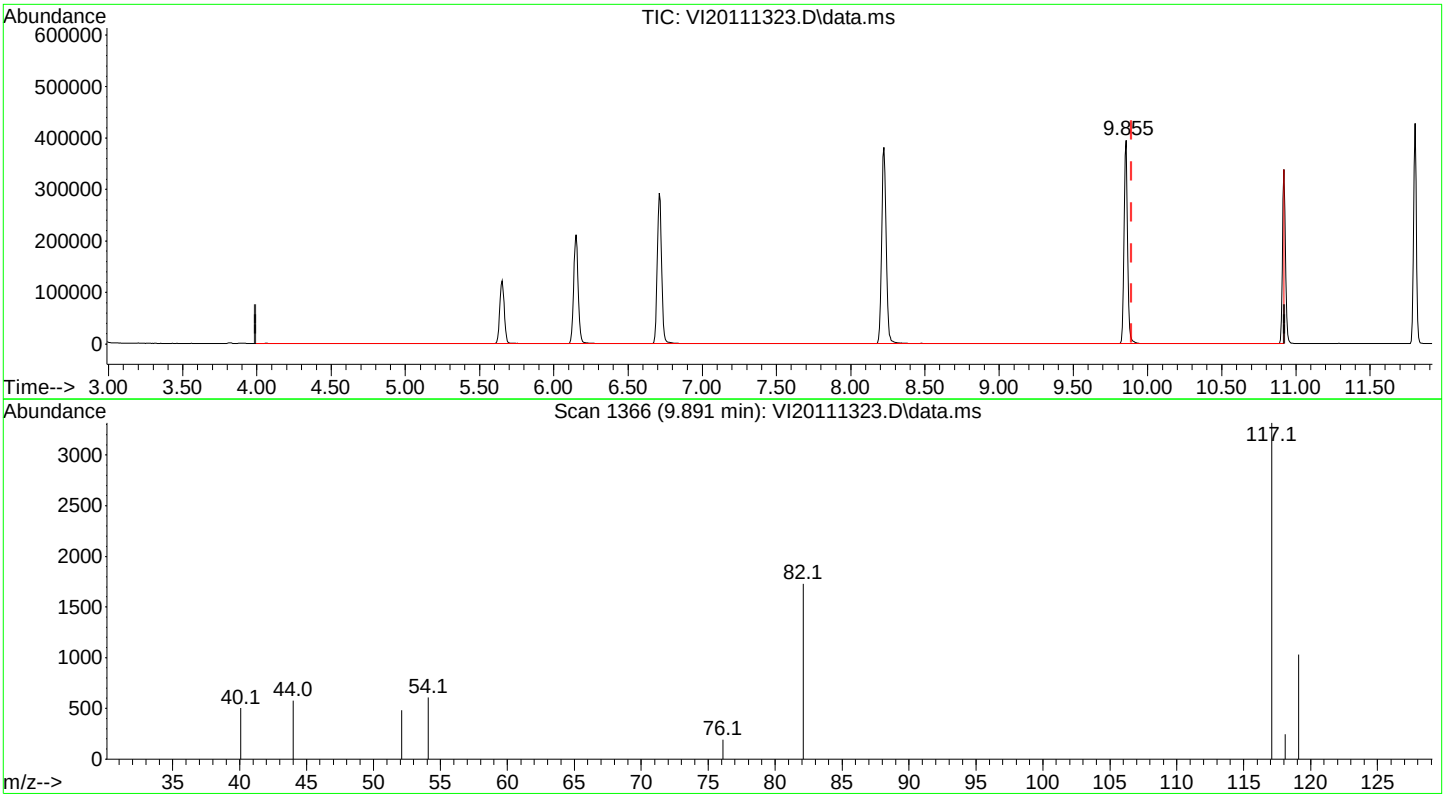
R = 1.51e-003 A*A + 1.63e+000 A - 2.83e+000
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic
Method Name: C:\msdchem\1\methods\VI201114G.M
Calibration Table Last Updated: Sun Nov 15 09:31:02 2020

Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111323.D
Acq On : 14 Nov 2020 4:54 am
Operator : TNL
Sample : 0K13048-ICB2
Misc : 1X 5mL DI
ALS Vial : 23 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 15 09:37:11 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:27:50 2020
Response via : Initial Calibration



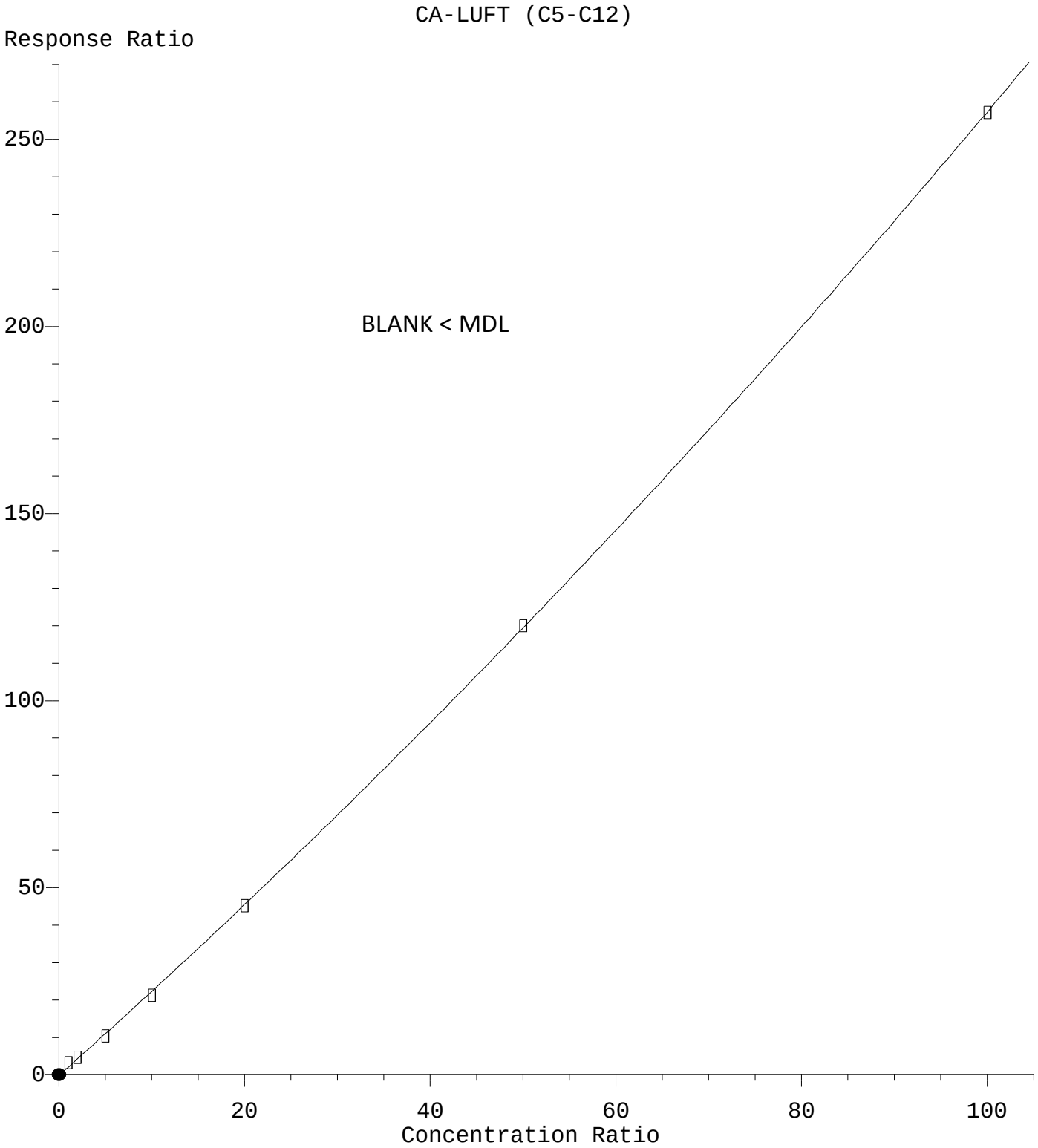
TIC: VI20111323.D\data.ms

(6) TPHg (C6-C10) (H)

9.890min (0.000) 45.49 ug/L m

response -233834

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	-0.00
0.00	0.00	-0.00
0.00	0.00	-0.00



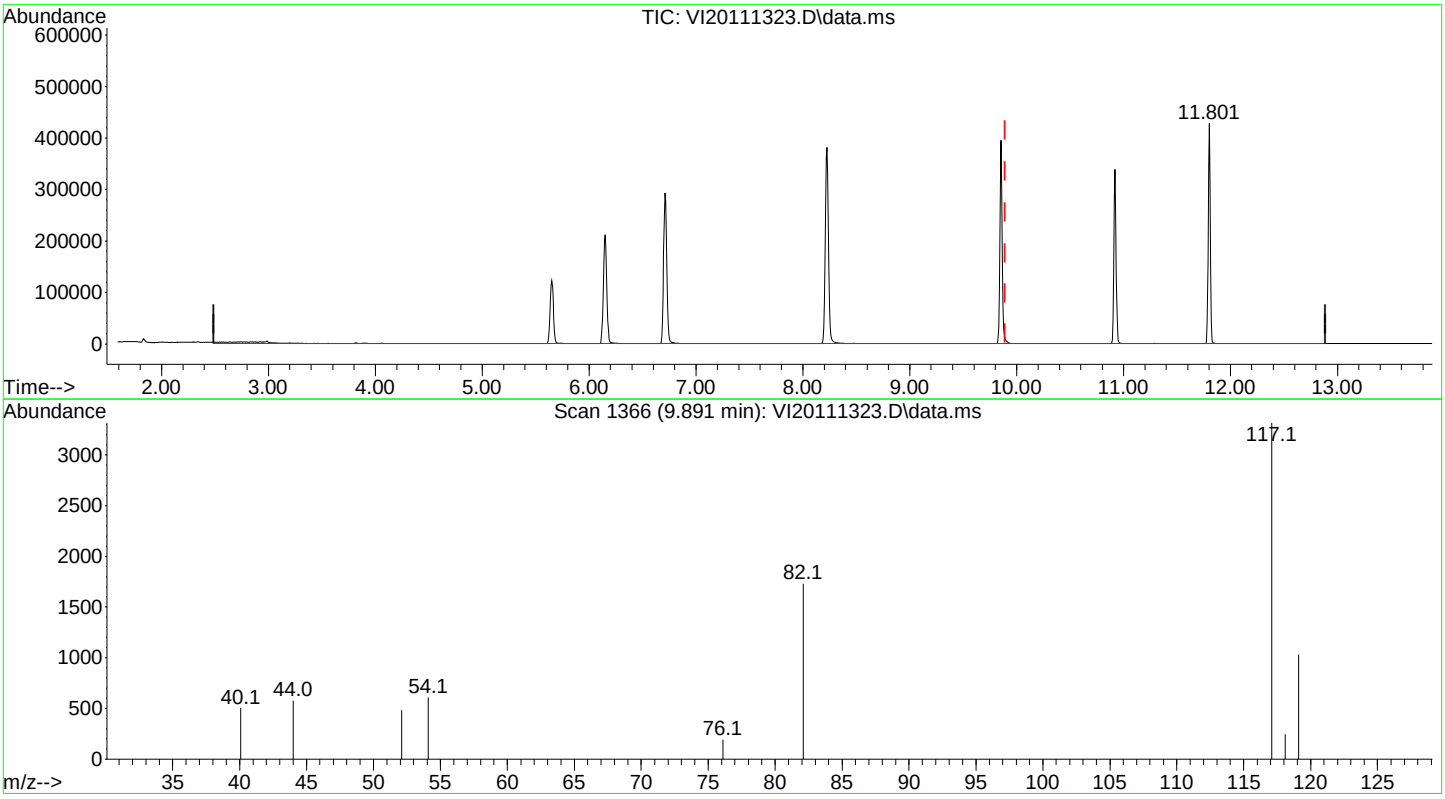
R = 3.67e-003 A*A + 2.21e+000 A - 1.38e-001
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic
Method Name: C:\msdchem\1\methods\VI201114G.M
Calibration Table Last Updated: Sun Nov 15 09:31:02 2020

Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111323.D
Acq On : 14 Nov 2020 4:54 am
Operator : TNL
Sample : 0K13048-ICB2
Misc : 1X 5mL DI
ALS Vial : 23 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 15 09:37:11 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:27:50 2020
Response via : Initial Calibration



TIC: VI20111323.D\data.ms

(7) CA-LUFT (C5-C12) (H)
9.890min (0.000) 36.23 ug/L m
response 254562

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0K13048 **Seq. Date: 11/14/2020**

SEQUENCE LOG

11/15/20 TNL

SampleID	Analysis	Matrix	STDID	Analyzed
0K13048-TUN2	8015M Gasoline (C6-C10) by GC/	Water		11/14/2020 4:27:00AM
"	+CA LUFT GRO	"		"
"	+NWTPH-Gx	"		"
0K13048-ICB2	8015M Gasoline (C6-C10) by GC/	Water		11/14/2020 4:54:00AM
"	+CA LUFT GRO	"		"
"	+NWTPH-Gx	"		"
0K13048-CALC	8015M Gasoline (C6-C10) by GC/	Water	A20K166	11/14/2020 6:15:00AM
"	+CA LUFT GRO	"	A20K166	"
"	+NWTPH-Gx	"	A20K166	"
0K13048-CALD	8015M Gasoline (C6-C10) by GC/	Water	A20K167	11/14/2020 6:42:00AM
"	+CA LUFT GRO	"	A20K167	"
"	+NWTPH-Gx	"	A20K167	"
0K13048-CALE	8015M Gasoline (C6-C10) by GC/	Water	A20K168	11/14/2020 7:09:00AM
"	+CA LUFT GRO	"	A20K168	"
"	+NWTPH-Gx	"	A20K168	"
0K13048-CALF	8015M Gasoline (C6-C10) by GC/	Water	A20K169	11/14/2020 7:36:00AM
"	+CA LUFT GRO	"	A20K169	"
"	+NWTPH-Gx	"	A20K169	"
0K13048-CALG	8015M Gasoline (C6-C10) by GC/	Water	A20J323	11/14/2020 9:27:00AM
"	+CA LUFT GRO	"	A20J323	"
"	+NWTPH-Gx	"	A20J323	"
0K13048-CALH	8015M Gasoline (C6-C10) by GC/	Water	A20J324	11/14/2020 9:54:00AM
"	+CA LUFT GRO	"	A20J324	"
"	+NWTPH-Gx	"	A20J324	"
0K13048-CALI	8015M Gasoline (C6-C10) by GC/	Water	A20J325	1/14/2020 10:21:00AM
"	+CA LUFT GRO	"	A20J325	"
"	+NWTPH-Gx	"	A20J325	"
0K13048-CALJ	8015M Gasoline (C6-C10) by GC/	Water	A20J326	1/14/2020 10:48:00AM
"	+CA LUFT GRO	"	A20J326	"
"	+NWTPH-Gx	"	A20J326	"
0K13048-ICV2	8015M Gasoline (C6-C10) by GC/	Water	A20J406	1/14/2020 12:10:00PM
"	+CA LUFT GRO	"	A20J406	"
"	+NWTPH-Gx	"	A20J406	"

CALIBRATION STANDARD RECOVERIES

Calibration: **A0K1604** Instrument: **VOA-GCMS9**

8015M Gasoline (C6-C10) by (Sequence: **0K13048** Matrix: **Water**

0K13048-CALC	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
0K13048-CALD	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
0K13048-CALE	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
0K13048-CALF	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0K13048 **Seq. Date: 11/14/2020**

0K13048-CALG	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
0K13048-CALH	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
0K13048-CALI	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
0K13048-CALJ	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**

Compounds listed above have recalculated recoveries outside 85-115% of the true values, and the calibration levels are above the reporting level. If no compounds are listed, all are OK. Please see the next section for quadatic fit compounds.

Analytes With Quadratic Curve Fits

Qualifier	MRL	Recalc Value	OK?	Raise MRL to ?
		_____	☐	☐ _____

Analytes listed above have quadratic curve fits. If they are using a weighting otpion, they must be checked against the requanted curve points to determine if the recalculated results are within limits (85-115 or as specified).

ICV RECOVERIES

Calibration: **A0K1604** Instrument: **VOA-GCMS9**

NWTPH-Gx Sequence: **0K13048** Matrix: **Water**

0K13048-ICV2	**Inst. MRL**	**ICV Level**	**Result**	**%Rec.**	**Qual**

Compounds listed above have Initial Calibration Verification standard recoveries outside 70-130% of the true values. If no compounds are listed, all have passing recoveries.

HIGH POINT IS UP TO 5000PPB

Evaluate Continuing Calibration Report

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111336.D
Acq On : 14 Nov 2020 12:10 pm
Operator : TNL
Sample : 0K13048-ICV2 11/15/20 TNL
Misc : 1X 5mL 500PPB GX
ALS Vial : 36 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 15 10:23:20 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:27:50 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene (IS)	50.000	50.000	0.0	103	0.00
2	S	1,4-Difluorobenzene (Sur)	50.000	49.782	0.4	103	0.00
3	S	4-Bromofluorobenzene (Sur)	50.000	50.804	-1.6	108	0.00
4	H	NWTPH-Gx (TPH)	500.000	475.401	4.9	103	0.00
5	H	TPHg (C5-C9)	500.000	461.869	7.6	98	0.00
6	H	TPHg (C6-C10)	500.000	461.175	7.8	96	0.00
7	H	CA-LUFT (C5-C12)	500.000	472.895	5.4	102	0.00
8		Benzene (NR)	-1.000	0.000	0.0	103	0.00
9	S	Toluene-d8 (NR)	-1.000	0.000	0.0	104	0.00
10		Toluene (NR)	-1.000	0.000	0.0	98	0.00
11	S	Chlorobenzene-d5 (NR)	-1.000	0.000	0.0	106	0.00
12	S	1,4-Dichlorobenzene-d4 (NR)	-1.000	0.000	0.0	111	0.00
13		Naphthalene (NR)	-1.000	0.000	0.0	114	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Injection Log

Data Directory: C:\msdchem\1\data\2020-11\0K13048\

File ID	SampleName	MiscInfo	Vial	Dil.	Injection Time
VI20111301.D	0K13048-IBL1	1X 5mL DI	1	1	13 Nov 2020 5:02 pm
VI20111302.D	0K13048-IBL2	1X 5mL DI	2	1	13 Nov 2020 5:29 pm
VI20111303.D	0K13048-TUN1	A20I023 5mL BFB (I	3	1	13 Nov 2020 5:57 pm
VI20111304.D	0K13048-ICB1	1X 5mL DI	4	1	13 Nov 2020 6:24 pm
VI20111305.D	0K13048-CAL1	1X 5mL 0.1 PPB VO	5	1	13 Nov 2020 6:51 pm
VI20111306.D	0K13048-CAL2	1X 5mL 0.2 PPB VO	6	1	13 Nov 2020 7:18 pm
VI20111307.D	0K13048-CAL3	1X 5mL 0.4 PPB VO	7	1	13 Nov 2020 9:40 pm
VI20111308.D	0K13048-CAL4	1X 5mL 1 PPB V	8	1	13 Nov 2020 10:07 pm
VI20111309.D	0K13048-CAL5	1X 5mL 2 PPB V	9	1	13 Nov 2020 10:34 pm
VI20111310.D	0K13048-CAL6	1X 5mL 5 PPB V	10	1	13 Nov 2020 11:01 pm
VI20111311.D	0K13048-CAL7	1X 5mL 10 PPB VO	11	1	13 Nov 2020 11:28 pm
VI20111312.D	0K13048-CAL8	1X 5mL 20 PPB VO	12	1	13 Nov 2020 11:56 pm
VI20111313.D	0K13048-CAL9	1X 5mL 50 PPB VO	13	1	14 Nov 2020 12:23 am
VI20111314.D	0K13048-IBL2	1X 5mL DI	14	1	14 Nov 2020 12:50 am
VI20111315.D	0K13048-CALA	1X 5mL 100 PPB V	15	1	14 Nov 2020 1:17 am
VI20111316.D	0K13048-IBL3	1X 5mL DI	16	1	14 Nov 2020 1:44 am
VI20111317.D	0K13048-CALB	1X 5mL 200 PPB V	17	1	14 Nov 2020 2:11 am
VI20111318.D	0K13048-IBL4	1X 5mL DI	18	1	14 Nov 2020 2:38 am
VI20111319.D	0K13048-IBL5	1X 5mL DI	19	1	14 Nov 2020 3:05 am
VI20111320.D	0K13048-ICV1	1X 5mL 20/40PPB	20	1	14 Nov 2020 3:32 am
VI20111321.D	0K13048-IBL6	1X 5mL DI	21	1	14 Nov 2020 4:00 am
VI20111322.D	0K13048-TUN2	A20I023 5mL BFB (I	22	1	14 Nov 2020 4:27 am
VI20111323.D	0K13048-ICB2	1X 5mL DI	23	1	14 Nov 2020 4:54 am
VI20111324.D	0K13048-RT1	1X 5mL A20I121	24	1	14 Nov 2020 5:21 am
VI20111325.D	0K13048-IBL7	1X 5mL DI	25	1	14 Nov 2020 5:48 am
VI20111326.D	0K13048-CALC	1X 5mL 50 PPB G	26	1	14 Nov 2020 6:15 am
VI20111327.D	0K13048-CALD	1X 5mL 100 PPB	27	1	14 Nov 2020 6:42 am
VI20111328.D	0K13048-CALE	1X 5mL 250 PPB	28	1	14 Nov 2020 7:09 am
VI20111329.D	0K13048-CALF	1X 5mL 500 PPB	29	1	14 Nov 2020 7:36 am
VI20111330.D	0K13048-CALG	1X 5mL 1000 PPB	30	1	14 Nov 2020 9:27 am
VI20111331.D	0K13048-CALH	1X 5mL 2500 PPB	31	1	14 Nov 2020 9:54 am
VI20111332.D	0K13048-CALI	1X 5mL 5000 PPB	32	1	14 Nov 2020 10:21 am
VI20111333.D	0K13048-CALJ	1X 5mL 10000 PPB	33	1	14 Nov 2020 10:48 am
VI20111334.D	0K13048-IBL8	1X 5mL DI	34	1	14 Nov 2020 11:16 am
VI20111335.D	0K13048-IBL9	1X 5mL DI	35	1	14 Nov 2020 11:43 am
VI20111336.D	0K13048-ICV2	1X 5mL 500PPB GX	36	1	14 Nov 2020 12:10 pm
VI20111337.D	0K13048-IBLA	1X 5mL DI	37	1	14 Nov 2020 12:37 pm

11/15/20 PS

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111301.D
Acq On : 13 Nov 2020 5:02 pm
Operator : TNL
Sample : 0K13048-IBL1
Misc : 1X 5mL DI
ALS Vial : 1 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

11/15/20 TNL

Quant Time: Nov 15 09:39:37 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 16:47:50 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (I)	6.150	99	91878	50.00	ug/L	# 0.00
45) Chlorobenzene-d5 (I)	9.855	117	240814	50.00	ug/L	0.00
66) 1,4-Dichlorobenzene-d4...	11.802	152	104423	50.00	ug/L	0.00
System Monitoring Compounds						
32) Dibromofluoromethane (S)	5.651	111	90601	51.50	ug/L	0.00
39) 1,4-Difluorobenzene (S)	6.716	114	289190	50.30	ug/L	0.00
48) Toluene-d8 (S)	8.224	98	321882	50.96	ug/L	0.00
67) 4-Bromofluorobenzene (S)	10.919	174	92761	51.51	ug/L	0.00
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	1.873	50	227	0.13	ug/L #	47
4) Vinyl Chloride	0.000		0	N.D.		
5) Bromomethane	2.329	96	288	0.25	ug/L #	62
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethanol	3.199	45	247	4.66	ug/L #	29
9) 1,1-Dichloroethene	0.000		0	N.D.		
10) Carbon Disulfide	0.000		0	N.D.		
11) Freon 113	0.000		0	N.D.		
12) Iodomethane	0.000		0	N.D.		
13) Acrolein	0.000		0	N.D.		
14) Methylene Chloride	3.820	84	1443	0.80	ug/L	96
15) Acetone	3.899	43	2152	2.03	ug/L	92
16) t-1,2-Dichloroethene	0.000		0	N.D.		
17) n-Hexane	0.000		0	N.D.		
18) Methyl-tert-butyl-ether	0.000		0	N.D.		
19) tert-Butanol (TBA)	4.246	59	592	1.18	ug/L	58
20) Diisopropyl ether (DIPE)	0.000		0	N.D.		
21) 1,1-Dichloroethane	0.000		0	N.D.		
22) Acrylonitrile	0.000		0	N.D.		
23) Ethyl-tert-butyl ether...	0.000		0	N.D.		
24) Vinyl Acetate	0.000		0	N.D.		
25) c-1,2-Dichloroethene	0.000		0	N.D.		

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111301.D
Acq On : 13 Nov 2020 5:02 pm
Operator : TNL
Sample : 0K13048-IBL1
Misc : 1X 5mL DI
ALS Vial : 1 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 15 09:39:37 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 16:47:50 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) 2,2-Dichloropropane	0.000		0	N.D.			
27) Bromochloromethane	0.000		0	N.D.			
28) Chloroform	0.000		0	N.D.			
29) Carbon Tetrachloride	0.000		0	N.D.			
30) Tetrahydrofuran	0.000		0	N.D.			
31) 1,1,1-Trichloroethane	0.000		0	N.D.			
33) 1,1-Dichloropropene	0.000		0	N.D.			
34) 2-Butanone (MEK)	0.000		0	N.D.			
35) Benzene	0.000		0	N.D.			
36) tert-Amyl methyl ether...	0.000		0	N.D.			
37) 1,2-Dichloroethane (EDC)	0.000		0	N.D.			
38) iso-Butyl Alcohol	0.000		0	N.D.			
40) Trichloroethene (TCE)	0.000		0	N.D.			
41) Tert-Amyl-Ethyl-Ether ...	0.000		0	N.D.			
42) Dibromomethane	0.000		0	N.D.			
43) 1,2-Dichloropropane	0.000		0	N.D.			
44) Bromodichloromethane	0.000		0	N.D.			
46) 2-Chloroethyl Vinyl Ether	0.000		0	N.D.			
47) c-1,3-Dichloropropene	0.000		0	N.D.			
49) Toluene	0.000		0	N.D.			
50) Tetrachloroethene (PCE)	0.000		0	N.D.			
51) 4-Methyl-2-Pentanone (...	0.000		0	N.D.			
52) t-1,3-Dichloropropene	0.000		0	N.D.			
53) 1,1,2-Trichloroethane	0.000		0	N.D.			
54) Dibromochloromethane	0.000		0	N.D.			
55) 1,3-Dichloropropane	0.000		0	N.D.			
56) 1,2-Dibromoethane (EDB)	0.000		0	N.D.			
57) 2-Hexanone	0.000		0	N.D.			
58) Chlorobenzene	0.000		0	N.D.			
59) Ethylbenzene	9.855	91	456	0.06	ug/L	#	1
60) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.			
61) m,p-Xylenes (2)	0.000		0	N.D.			
62) o-Xylene	0.000		0	N.D.			
63) Styrene	0.000		0	N.D.			
64) Bromoform	0.000		0	N.D.			
65) Isopropylbenzene	0.000		0	N.D.			

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111301.D
Acq On : 13 Nov 2020 5:02 pm
Operator : TNL
Sample : 0K13048-IBL1
Misc : 1X 5mL DI
ALS Vial : 1 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 15 09:39:37 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 16:47:50 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) Bromobenzene	0.000		0	N.D.		
69) n-Propylbenzene	10.919	91	254	0.04	ug/L	58
70) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
71) 2-Chlorotoluene	0.000		0	N.D.		
72) 1,3,5-Trimethylbenzene	0.000		0	N.D.		
73) 1,2,3-Trichloropropane	0.000		0	N.D.		
74) t-1,4-Dichloro-2-butene	0.000		0	N.D.		
75) 4-Chlorotoluene	0.000		0	N.D.		
76) tert-Butylbenzene	0.000		0	N.D.		
77) 1,2,4-Trimethylbenzene	0.000		0	N.D.		
78) sec-Butylbenzene	0.000		0	N.D.		
79) 4-Isopropyltoluene	0.000		0	N.D.		
80) 1,3-Dichlorobenzene	0.000		0	N.D.		
81) 1,4-Dichlorobenzene	0.000		0	N.D.		
82) n-Butylbenzene	0.000		0	N.D.		
83) 1,2-Dichlorobenzene	0.000		0	N.D.		
84) 1,2-Dibromo-3-Chloropr...	0.000		0	N.D.		
85) Hexachlorobutadiene	0.000		0	N.D.		
86) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
87) Naphthalene	0.000		0	N.D.		
88) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

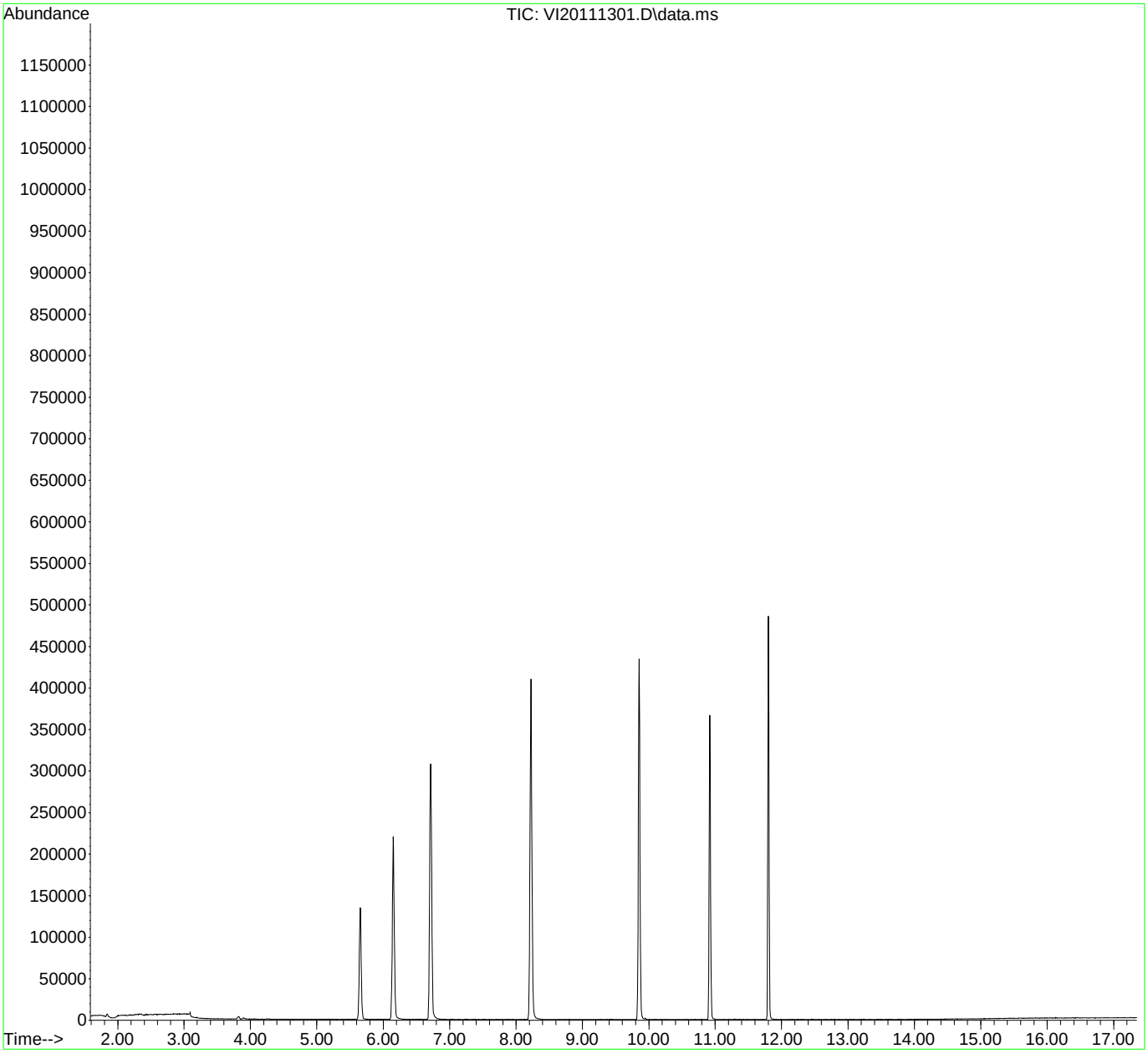
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111301.D
Acq On : 13 Nov 2020 5:02 pm
Operator : TNL
Sample : 0K13048-IBL1
Misc : 1X 5mL DI
ALS Vial : 1 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 15 09:39:37 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 16:47:50 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111302.D
Acq On : 13 Nov 2020 5:29 pm
Operator : TNL
Sample : 0K13048-IBL2
Misc : 1X 5mL DI 11/15/20 TNL
ALS Vial : 2 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 15 09:39:40 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 16:47:50 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.150	99	86762	50.00	ug/L		0.00
45) Chlorobenzene-d5 (I)	9.855	117	218581	50.00	ug/L		0.00
66) 1,4-Dichlorobenzene-d4...	11.802	152	89898	50.00	ug/L		0.00
System Monitoring Compounds							
32) Dibromofluoromethane (S)	5.645	111	79822	48.05	ug/L		0.00
39) 1,4-Difluorobenzene (S)	6.710	114	262762	48.39	ug/L		0.00
48) Toluene-d8 (S)	8.225	98	296892	51.78	ug/L		0.00
67) 4-Bromofluorobenzene (S)	10.920	174	81726	52.71	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.			
3) Chloromethane	0.000		0	N.D.			
4) Vinyl Chloride	0.000		0	N.D.			
5) Bromomethane	2.317	96	130	0.12	ug/L	#	68
6) Chloroethane	0.000		0	N.D.			
7) Trichlorofluoromethane	0.000		0	N.D.			
8) Ethanol	0.000		0	N.D.			
9) 1,1-Dichloroethene	0.000		0	N.D.			
10) Carbon Disulfide	0.000		0	N.D.			
11) Freon 113	0.000		0	N.D.			
12) Iodomethane	0.000		0	N.D.			
13) Acrolein	0.000		0	N.D.			
14) Methylene Chloride	3.820	84	548	0.32	ug/L		93
15) Acetone	3.893	43	1568	1.57	ug/L	#	44
16) t-1,2-Dichloroethene	0.000		0	N.D.			
17) n-Hexane	0.000		0	N.D.			
18) Methyl-tert-butyl-ether	0.000		0	N.D.			
19) tert-Butanol (TBA)	4.246	59	217	0.46	ug/L		46
20) Diisopropyl ether (DIPE)	0.000		0	N.D.			
21) 1,1-Dichloroethane	0.000		0	N.D.			
22) Acrylonitrile	0.000		0	N.D.			
23) Ethyl-tert-butyl ether...	0.000		0	N.D.			
24) Vinyl Acetate	0.000		0	N.D.			
25) c-1,2-Dichloroethene	0.000		0	N.D.			

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111302.D
Acq On : 13 Nov 2020 5:29 pm
Operator : TNL
Sample : 0K13048-IBL2
Misc : 1X 5mL DI
ALS Vial : 2 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 15 09:39:40 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 16:47:50 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) 2,2-Dichloropropane	0.000		0	N.D.			
27) Bromochloromethane	0.000		0	N.D.			
28) Chloroform	0.000		0	N.D.			
29) Carbon Tetrachloride	0.000		0	N.D.			
30) Tetrahydrofuran	0.000		0	N.D.			
31) 1,1,1-Trichloroethane	0.000		0	N.D.			
33) 1,1-Dichloropropene	0.000		0	N.D.			
34) 2-Butanone (MEK)	0.000		0	N.D.			
35) Benzene	0.000		0	N.D.			
36) tert-Amyl methyl ether...	0.000		0	N.D.			
37) 1,2-Dichloroethane (EDC)	0.000		0	N.D.			
38) iso-Butyl Alcohol	0.000		0	N.D.			
40) Trichloroethene (TCE)	0.000		0	N.D.			
41) Tert-Amyl-Ethyl-Ether ...	0.000		0	N.D.			
42) Dibromomethane	0.000		0	N.D.			
43) 1,2-Dichloropropane	0.000		0	N.D.			
44) Bromodichloromethane	0.000		0	N.D.			
46) 2-Chloroethyl Vinyl Ether	0.000		0	N.D.			
47) c-1,3-Dichloropropene	0.000		0	N.D.			
49) Toluene	0.000		0	N.D.			
50) Tetrachloroethene (PCE)	0.000		0	N.D.			
51) 4-Methyl-2-Pentanone (...	0.000		0	N.D.			
52) t-1,3-Dichloropropene	0.000		0	N.D.			
53) 1,1,2-Trichloroethane	0.000		0	N.D.			
54) Dibromochloromethane	0.000		0	N.D.			
55) 1,3-Dichloropropane	0.000		0	N.D.			
56) 1,2-Dibromoethane (EDB)	0.000		0	N.D.			
57) 2-Hexanone	0.000		0	N.D.			
58) Chlorobenzene	0.000		0	N.D.			
59) Ethylbenzene	9.849	91	390	0.06	ug/L	#	1
60) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.			
61) m,p-Xylenes (2)	0.000		0	N.D.			
62) o-Xylene	0.000		0	N.D.			
63) Styrene	0.000		0	N.D.			
64) Bromoform	0.000		0	N.D.			
65) Isopropylbenzene	0.000		0	N.D.			

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111302.D
Acq On : 13 Nov 2020 5:29 pm
Operator : TNL
Sample : 0K13048-IBL2
Misc : 1X 5mL DI
ALS Vial : 2 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 15 09:39:40 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 16:47:50 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) Bromobenzene	0.000		0	N.D.		
69) n-Propylbenzene	10.920	91	219	0.04	ug/L	58
70) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
71) 2-Chlorotoluene	0.000		0	N.D.		
72) 1,3,5-Trimethylbenzene	0.000		0	N.D.		
73) 1,2,3-Trichloropropane	0.000		0	N.D.		
74) t-1,4-Dichloro-2-butene	0.000		0	N.D.		
75) 4-Chlorotoluene	0.000		0	N.D.		
76) tert-Butylbenzene	0.000		0	N.D.		
77) 1,2,4-Trimethylbenzene	0.000		0	N.D.		
78) sec-Butylbenzene	0.000		0	N.D.		
79) 4-Isopropyltoluene	0.000		0	N.D.		
80) 1,3-Dichlorobenzene	0.000		0	N.D.		
81) 1,4-Dichlorobenzene	0.000		0	N.D.		
82) n-Butylbenzene	0.000		0	N.D.		
83) 1,2-Dichlorobenzene	0.000		0	N.D.		
84) 1,2-Dibromo-3-Chloropr...	0.000		0	N.D.		
85) Hexachlorobutadiene	0.000		0	N.D.		
86) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
87) Naphthalene	0.000		0	N.D.		
88) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

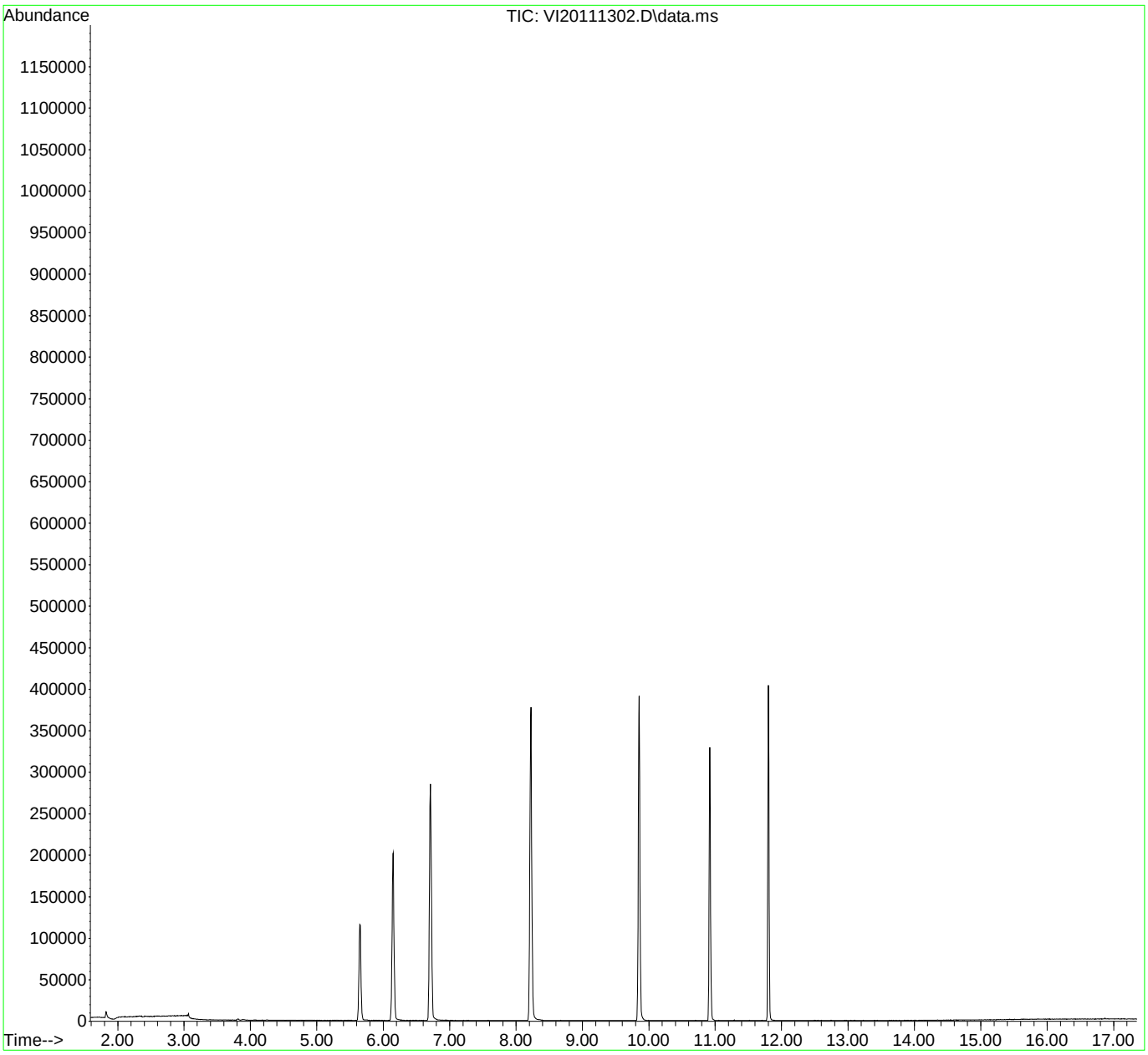
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111302.D
Acq On : 13 Nov 2020 5:29 pm
Operator : TNL
Sample : 0K13048-IBL2
Misc : 1X 5mL DI
ALS Vial : 2 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 15 09:39:40 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 16:47:50 2020
Response via : Initial Calibration

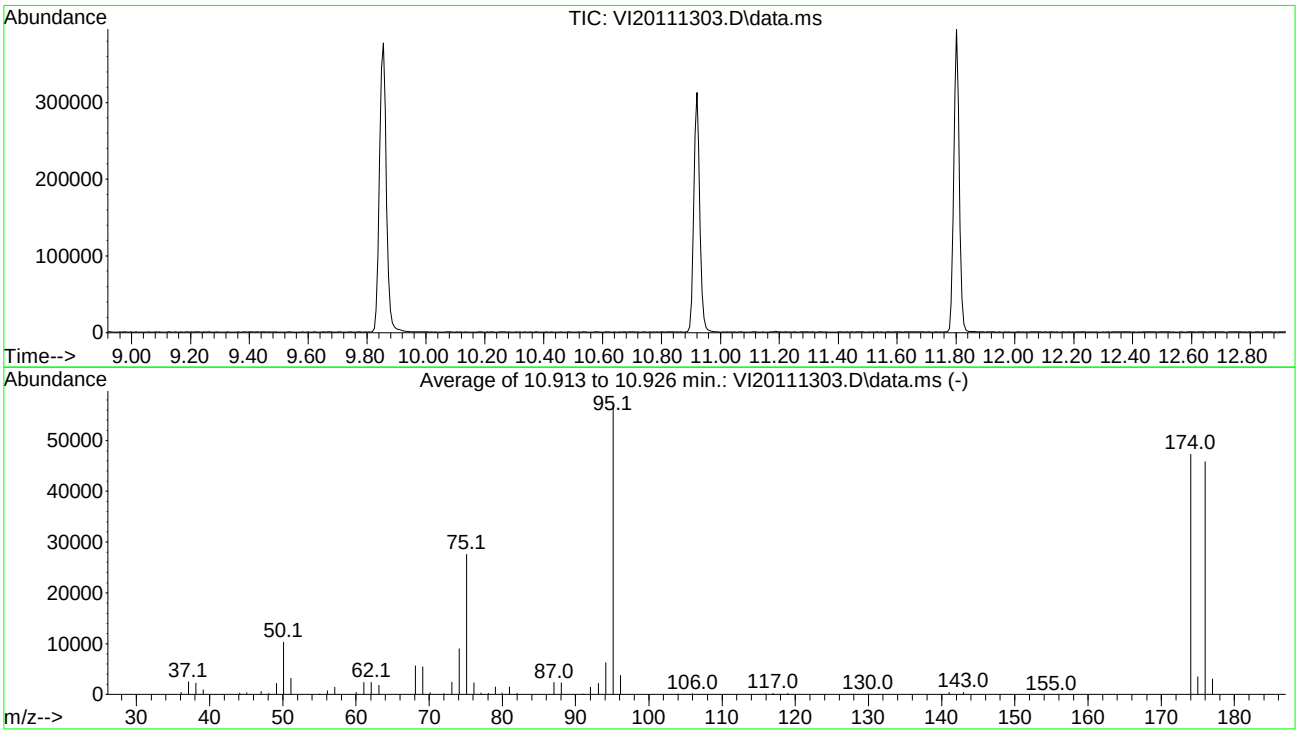


Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111303.D
Acq On : 13 Nov 2020 5:57 pm
Operator : TNL
Sample : 0K13048-TUN1
Misc : A20I023 5mL BFB (IS/SURR)
ALS Vial : 3 Sample Multiplier: 1

11/15/20 TNL

Integration File: RTEINT.P

Method : C:\msdchem\1\methods\VI201114W.M
Title : EPA 8260: Volatile Organic Compounds
Last Update : Sat Nov 14 16:47:50 2020



AutoFind: Scans 1534, 1535, 1536; Background Corrected with Scan 1527

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	174	50	200	120.1	56888	PASS
96	95	5	9	6.7	3802	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	200	83.2	47352	PASS
175	174	5	9	7.5	3557	PASS
176	174	95	105	96.9	45899	PASS
177	176	5	10	6.8	3109	PASS

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111303.D
Acq On : 13 Nov 2020 5:57 pm
Operator : TNL
Sample : 0K13048-TUN1
Misc : A20I023 5mL BFB (IS/SURR)
ALS Vial : 3 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

11/15/20 TNL

Quant Time: Nov 15 09:39:43 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 16:47:50 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (I)	6.150	99	81659	50.00	ug/L	# 0.00
45) Chlorobenzene-d5 (I)	9.855	117	208680	50.00	ug/L	0.00
66) 1,4-Dichlorobenzene-d4...	11.802	152	85883	50.00	ug/L	0.00
System Monitoring Compounds						
32) Dibromofluoromethane (S)	5.651	111	76673	49.04	ug/L	0.00
39) 1,4-Difluorobenzene (S)	6.710	114	249472	48.82	ug/L	0.00
48) Toluene-d8 (S)	8.224	98	279448	51.05	ug/L	0.00
67) 4-Bromofluorobenzene (S)	10.919	174	77913	52.60	ug/L	0.00
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	1.867	50	114	0.07	ug/L	# 47
4) Vinyl Chloride	0.000		0	N.D.		
5) Bromomethane	0.000		0	N.D.		
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethanol	0.000		0	N.D.		
9) 1,1-Dichloroethene	0.000		0	N.D.		
10) Carbon Disulfide	0.000		0	N.D.		
11) Freon 113	0.000		0	N.D.		
12) Iodomethane	0.000		0	N.D.		
13) Acrolein	0.000		0	N.D.		
14) Methylene Chloride	3.814	84	2016	1.25	ug/L	90
15) Acetone	3.887	43	2456	2.61	ug/L	98
16) t-1,2-Dichloroethene	0.000		0	N.D.		
17) n-Hexane	0.000		0	N.D.		
18) Methyl-tert-butyl-ether	0.000		0	N.D.		
19) tert-Butanol (TBA)	4.246	59	1621	3.64	ug/L	93
20) Diisopropyl ether (DIPE)	0.000		0	N.D.		
21) 1,1-Dichloroethane	0.000		0	N.D.		
22) Acrylonitrile	0.000		0	N.D.		
23) Ethyl-tert-butyl ether...	0.000		0	N.D.		
24) Vinyl Acetate	0.000		0	N.D.		
25) c-1,2-Dichloroethene	0.000		0	N.D.		

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111303.D
Acq On : 13 Nov 2020 5:57 pm
Operator : TNL
Sample : 0K13048-TUN1
Misc : A20I023 5mL BFB (IS/SURR)
ALS Vial : 3 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 15 09:39:43 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 16:47:50 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) 2,2-Dichloropropane	0.000		0	N.D.			
27) Bromochloromethane	0.000		0	N.D.			
28) Chloroform	0.000		0	N.D.			
29) Carbon Tetrachloride	0.000		0	N.D.			
30) Tetrahydrofuran	0.000		0	N.D.			
31) 1,1,1-Trichloroethane	0.000		0	N.D.			
33) 1,1-Dichloropropene	0.000		0	N.D.			
34) 2-Butanone (MEK)	0.000		0	N.D.			
35) Benzene	0.000		0	N.D.			
36) tert-Amyl methyl ether...	0.000		0	N.D.			
37) 1,2-Dichloroethane (EDC)	0.000		0	N.D.			
38) iso-Butyl Alcohol	0.000		0	N.D.			
40) Trichloroethene (TCE)	0.000		0	N.D.			
41) Tert-Amyl-Ethyl-Ether ...	0.000		0	N.D.			
42) Dibromomethane	0.000		0	N.D.			
43) 1,2-Dichloropropane	0.000		0	N.D.			
44) Bromodichloromethane	0.000		0	N.D.			
46) 2-Chloroethyl Vinyl Ether	0.000		0	N.D.			
47) c-1,3-Dichloropropene	0.000		0	N.D.			
49) Toluene	0.000		0	N.D.			
50) Tetrachloroethene (PCE)	0.000		0	N.D.			
51) 4-Methyl-2-Pentanone (...	0.000		0	N.D.			
52) t-1,3-Dichloropropene	0.000		0	N.D.			
53) 1,1,2-Trichloroethane	0.000		0	N.D.			
54) Dibromochloromethane	0.000		0	N.D.			
55) 1,3-Dichloropropane	0.000		0	N.D.			
56) 1,2-Dibromoethane (EDB)	0.000		0	N.D.			
57) 2-Hexanone	0.000		0	N.D.			
58) Chlorobenzene	0.000		0	N.D.			
59) Ethylbenzene	9.855	91	361	0.06	ug/L	#	1
60) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.			
61) m,p-Xylenes (2)	0.000		0	N.D.			
62) o-Xylene	0.000		0	N.D.			
63) Styrene	0.000		0	N.D.			
64) Bromoform	0.000		0	N.D.			
65) Isopropylbenzene	0.000		0	N.D.			

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111303.D
Acq On : 13 Nov 2020 5:57 pm
Operator : TNL
Sample : 0K13048-TUN1
Misc : A20I023 5mL BFB (IS/SURR)
ALS Vial : 3 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 15 09:39:43 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 16:47:50 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) Bromobenzene	0.000		0	N.D.		
69) n-Propylbenzene	10.919	91	209	0.04	ug/L	58
70) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
71) 2-Chlorotoluene	0.000		0	N.D.		
72) 1,3,5-Trimethylbenzene	0.000		0	N.D.		
73) 1,2,3-Trichloropropane	0.000		0	N.D.		
74) t-1,4-Dichloro-2-butene	0.000		0	N.D.		
75) 4-Chlorotoluene	0.000		0	N.D.		
76) tert-Butylbenzene	0.000		0	N.D.		
77) 1,2,4-Trimethylbenzene	0.000		0	N.D.		
78) sec-Butylbenzene	0.000		0	N.D.		
79) 4-Isopropyltoluene	0.000		0	N.D.		
80) 1,3-Dichlorobenzene	0.000		0	N.D.		
81) 1,4-Dichlorobenzene	0.000		0	N.D.		
82) n-Butylbenzene	0.000		0	N.D.		
83) 1,2-Dichlorobenzene	0.000		0	N.D.		
84) 1,2-Dibromo-3-Chloropr...	0.000		0	N.D.		
85) Hexachlorobutadiene	0.000		0	N.D.		
86) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
87) Naphthalene	0.000		0	N.D.		
88) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

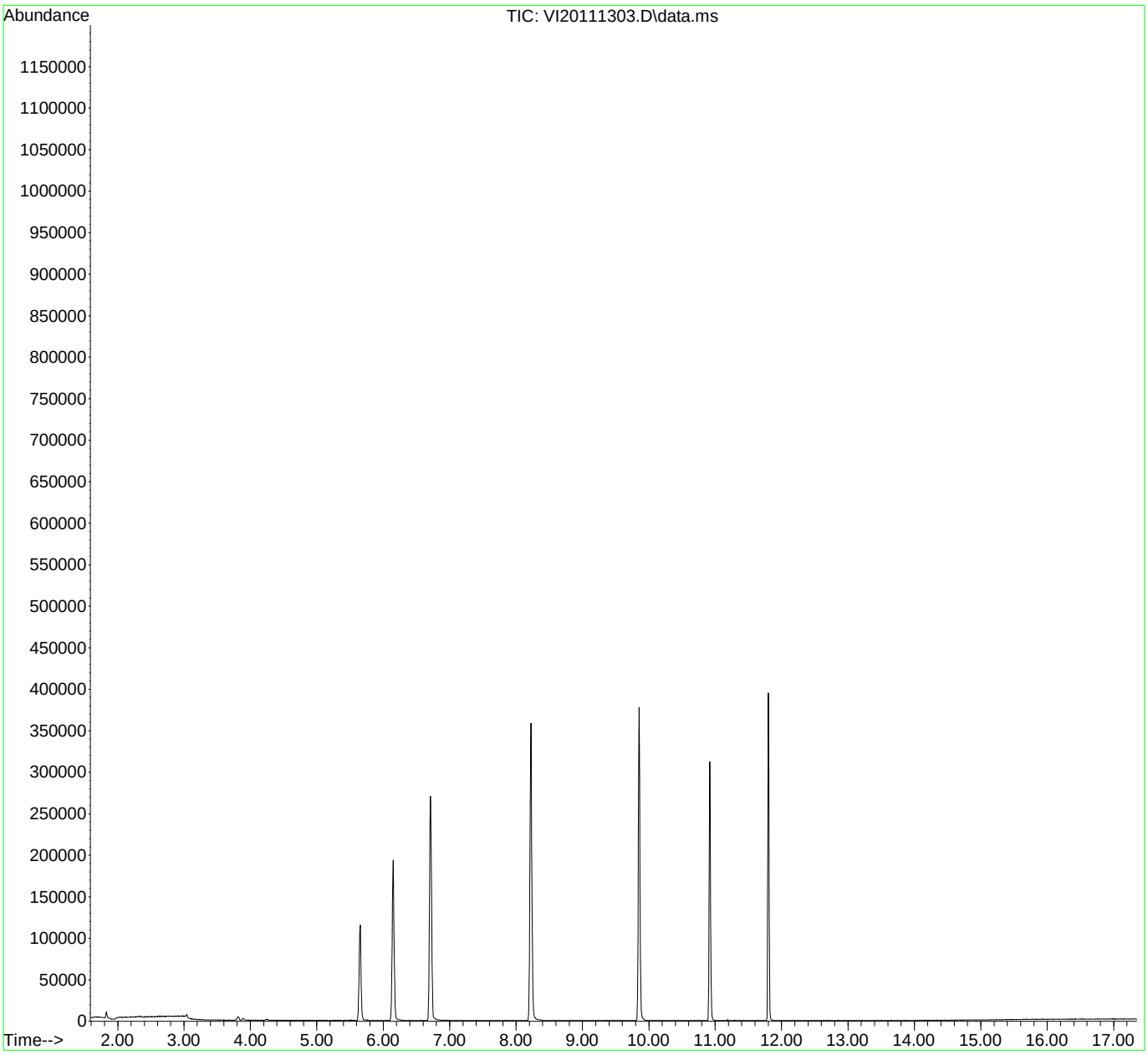
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111303.D
Acq On : 13 Nov 2020 5:57 pm
Operator : TNL
Sample : 0K13048-TUN1
Misc : A20I023 5mL BFB (IS/SURR)
ALS Vial : 3 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 15 09:39:43 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 16:47:50 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111304.D
Acq On : 13 Nov 2020 6:24 pm
Operator : TNL
Sample : 0K13048-ICB1
Misc : 1X 5mL DI
ALS Vial : 4 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 15 09:39:46 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 16:47:50 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (I)	6.150	99	86325	50.00	ug/L	# 0.00
45) Chlorobenzene-d5 (I)	9.855	117	223620	50.00	ug/L	0.00
66) 1,4-Dichlorobenzene-d4...	11.802	152	92735	50.00	ug/L	0.00
System Monitoring Compounds						
32) Dibromofluoromethane (S)	5.651	111	80138	48.48	ug/L	0.00
39) 1,4-Difluorobenzene (S)	6.710	114	266633	49.36	ug/L	0.00
48) Toluene-d8 (S)	8.225	98	297959	50.80	ug/L	0.00
67) 4-Bromofluorobenzene (S)	10.920	174	84000	52.52	ug/L	0.00
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	1.867	50	124	0.08	ug/L #	47
4) Vinyl Chloride	0.000		0	N.D.		
5) Bromomethane	0.000		0	N.D.		
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethanol	0.000		0	N.D.		
9) 1,1-Dichloroethene	0.000		0	N.D.		
10) Carbon Disulfide	0.000		0	N.D.		
11) Freon 113	0.000		0	N.D.		
12) Iodomethane	0.000		0	N.D.		
13) Acrolein	0.000		0	N.D.		
14) Methylene Chloride	3.820	84	642	0.38	ug/L	90
15) Acetone	3.893	43	1412	1.42	ug/L	96
16) t-1,2-Dichloroethene	0.000		0	N.D.		
17) n-Hexane	0.000		0	N.D.		
18) Methyl-tert-butyl-ether	0.000		0	N.D.		
19) tert-Butanol (TBA)	4.246	59	312	0.66	ug/L	46
20) Diisopropyl ether (DIPE)	0.000		0	N.D.		
21) 1,1-Dichloroethane	0.000		0	N.D.		
22) Acrylonitrile	0.000		0	N.D.		
23) Ethyl-tert-butyl ether...	0.000		0	N.D.		
24) Vinyl Acetate	0.000		0	N.D.		
25) c-1,2-Dichloroethene	0.000		0	N.D.		

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111304.D
Acq On : 13 Nov 2020 6:24 pm
Operator : TNL
Sample : 0K13048-ICB1
Misc : 1X 5mL DI
ALS Vial : 4 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 15 09:39:46 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 16:47:50 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) 2,2-Dichloropropane	0.000		0	N.D.			
27) Bromochloromethane	0.000		0	N.D.			
28) Chloroform	0.000		0	N.D.			
29) Carbon Tetrachloride	0.000		0	N.D.			
30) Tetrahydrofuran	0.000		0	N.D.			
31) 1,1,1-Trichloroethane	0.000		0	N.D.			
33) 1,1-Dichloropropene	0.000		0	N.D.			
34) 2-Butanone (MEK)	0.000		0	N.D.			
35) Benzene	0.000		0	N.D.			
36) tert-Amyl methyl ether...	0.000		0	N.D.			
37) 1,2-Dichloroethane (EDC)	0.000		0	N.D.			
38) iso-Butyl Alcohol	0.000		0	N.D.			
40) Trichloroethene (TCE)	0.000		0	N.D.			
41) Tert-Amyl-Ethyl-Ether ...	0.000		0	N.D.			
42) Dibromomethane	0.000		0	N.D.			
43) 1,2-Dichloropropane	0.000		0	N.D.			
44) Bromodichloromethane	0.000		0	N.D.			
46) 2-Chloroethyl Vinyl Ether	0.000		0	N.D.			
47) c-1,3-Dichloropropene	0.000		0	N.D.			
49) Toluene	0.000		0	N.D.			
50) Tetrachloroethene (PCE)	0.000		0	N.D.			
51) 4-Methyl-2-Pentanone (...	0.000		0	N.D.			
52) t-1,3-Dichloropropene	0.000		0	N.D.			
53) 1,1,2-Trichloroethane	0.000		0	N.D.			
54) Dibromochloromethane	0.000		0	N.D.			
55) 1,3-Dichloropropane	0.000		0	N.D.			
56) 1,2-Dibromoethane (EDB)	0.000		0	N.D.			
57) 2-Hexanone	0.000		0	N.D.			
58) Chlorobenzene	0.000		0	N.D.			
59) Ethylbenzene	9.849	91	399	0.06	ug/L	#	51
60) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.			
61) m,p-Xylenes (2)	0.000		0	N.D.			
62) o-Xylene	0.000		0	N.D.			
63) Styrene	0.000		0	N.D.			
64) Bromoform	0.000		0	N.D.			
65) Isopropylbenzene	0.000		0	N.D.			

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111304.D
Acq On : 13 Nov 2020 6:24 pm
Operator : TNL
Sample : 0K13048-ICB1
Misc : 1X 5mL DI
ALS Vial : 4 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 15 09:39:46 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 16:47:50 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) Bromobenzene	0.000		0	N.D.		
69) n-Propylbenzene	10.920	91	237	0.04	ug/L	58
70) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
71) 2-Chlorotoluene	0.000		0	N.D.		
72) 1,3,5-Trimethylbenzene	0.000		0	N.D.		
73) 1,2,3-Trichloropropane	0.000		0	N.D.		
74) t-1,4-Dichloro-2-butene	0.000		0	N.D.		
75) 4-Chlorotoluene	0.000		0	N.D.		
76) tert-Butylbenzene	0.000		0	N.D.		
77) 1,2,4-Trimethylbenzene	0.000		0	N.D.		
78) sec-Butylbenzene	0.000		0	N.D.		
79) 4-Isopropyltoluene	0.000		0	N.D.		
80) 1,3-Dichlorobenzene	0.000		0	N.D.		
81) 1,4-Dichlorobenzene	0.000		0	N.D.		
82) n-Butylbenzene	0.000		0	N.D.		
83) 1,2-Dichlorobenzene	0.000		0	N.D.		
84) 1,2-Dibromo-3-Chloropr...	0.000		0	N.D.		
85) Hexachlorobutadiene	0.000		0	N.D.		
86) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
87) Naphthalene	0.000		0	N.D.		
88) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

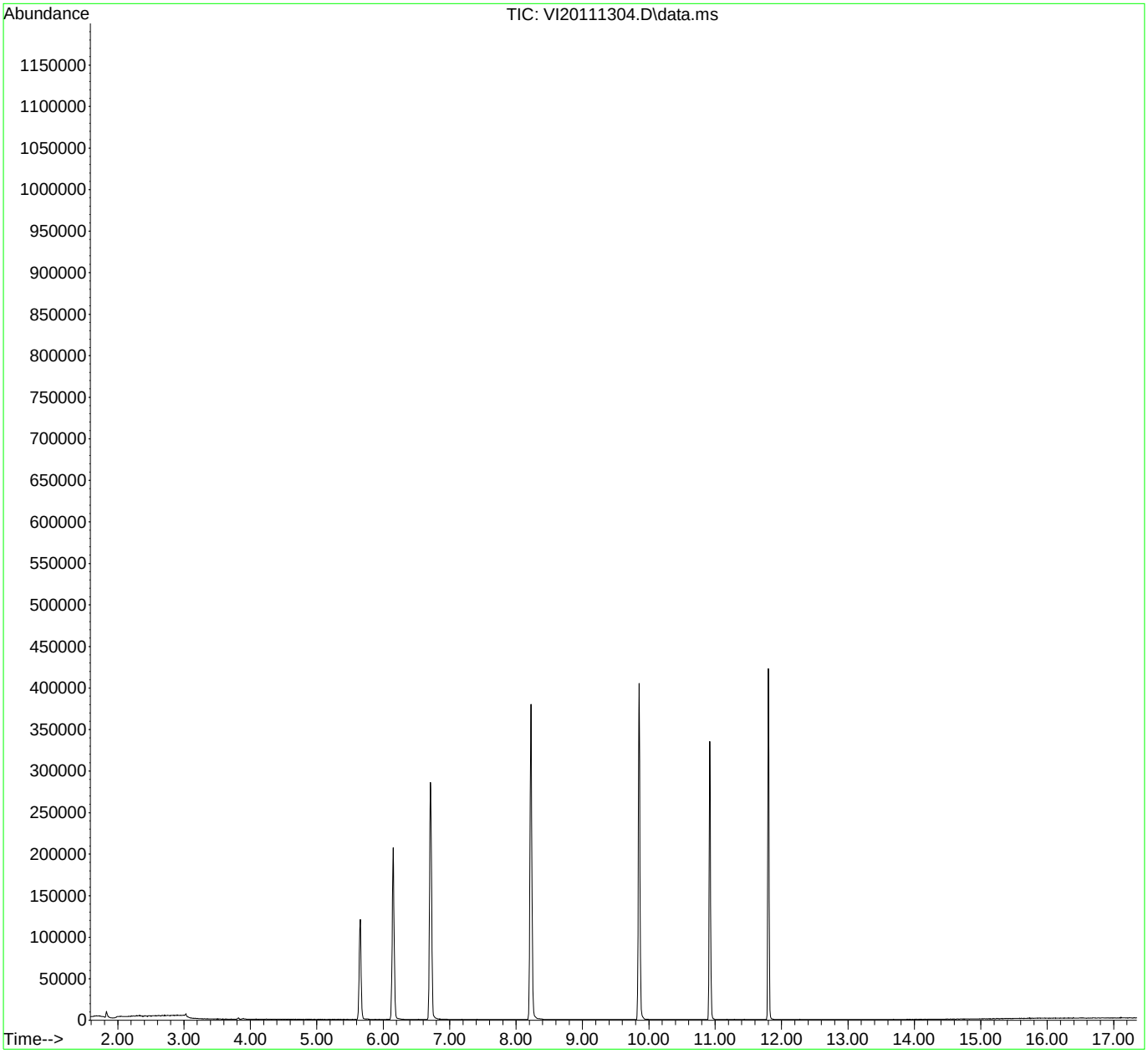
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111304.D
Acq On : 13 Nov 2020 6:24 pm
Operator : TNL
Sample : 0K13048-ICB1
Misc : 1X 5mL DI
ALS Vial : 4 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 15 09:39:46 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 16:47:50 2020
Response via : Initial Calibration

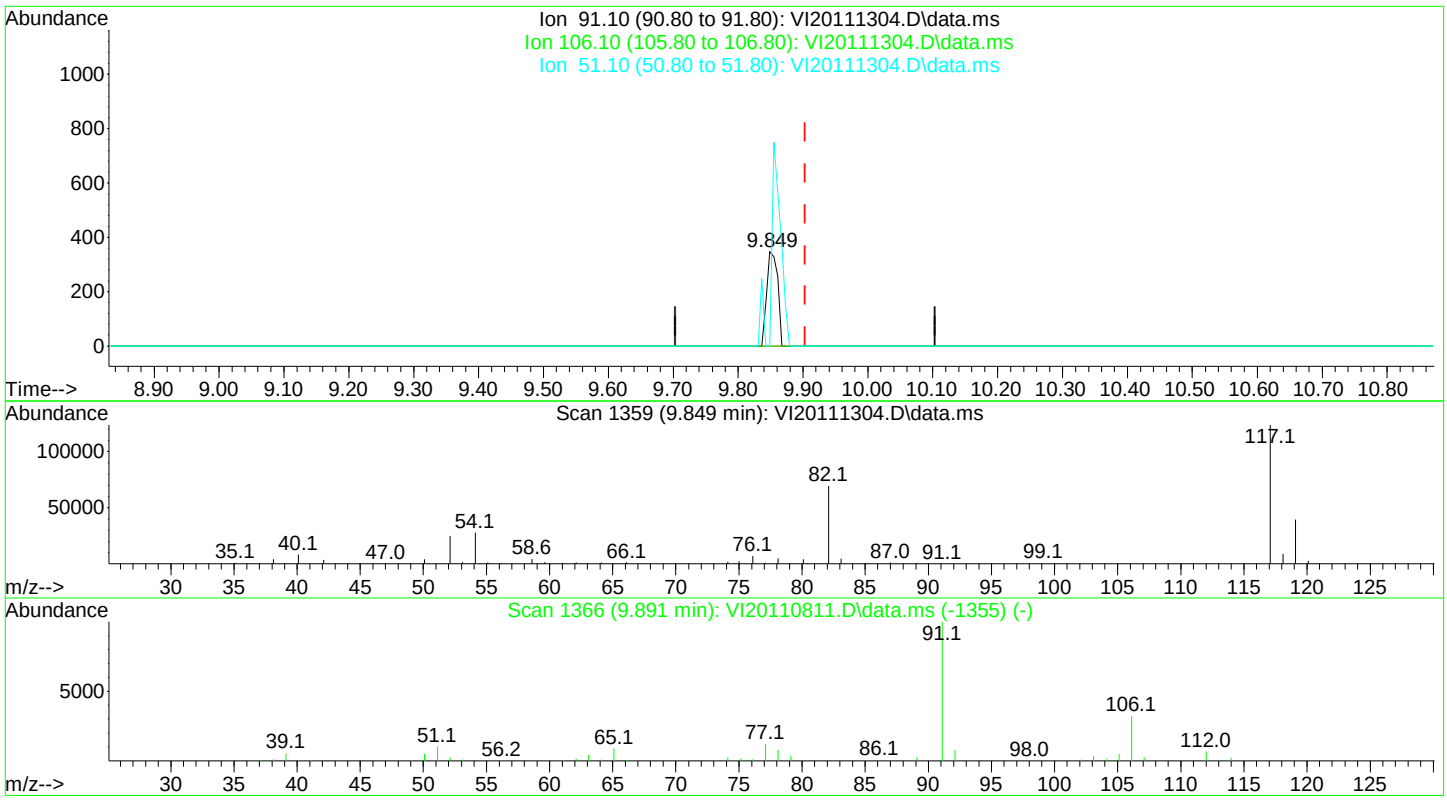


Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111304.D
Acq On : 13 Nov 2020 6:24 pm
Operator : TNL
Sample : 0K13048-ICB1
Misc : 1X 5mL DI
ALS Vial : 4 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 15 09:39:46 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 16:47:50 2020
Response via : Initial Calibration



TIC: VI20111304.D\data.ms

(59) Ethylbenzene (C)
9.849min (-0.054) 0.06 ug/L
response 399

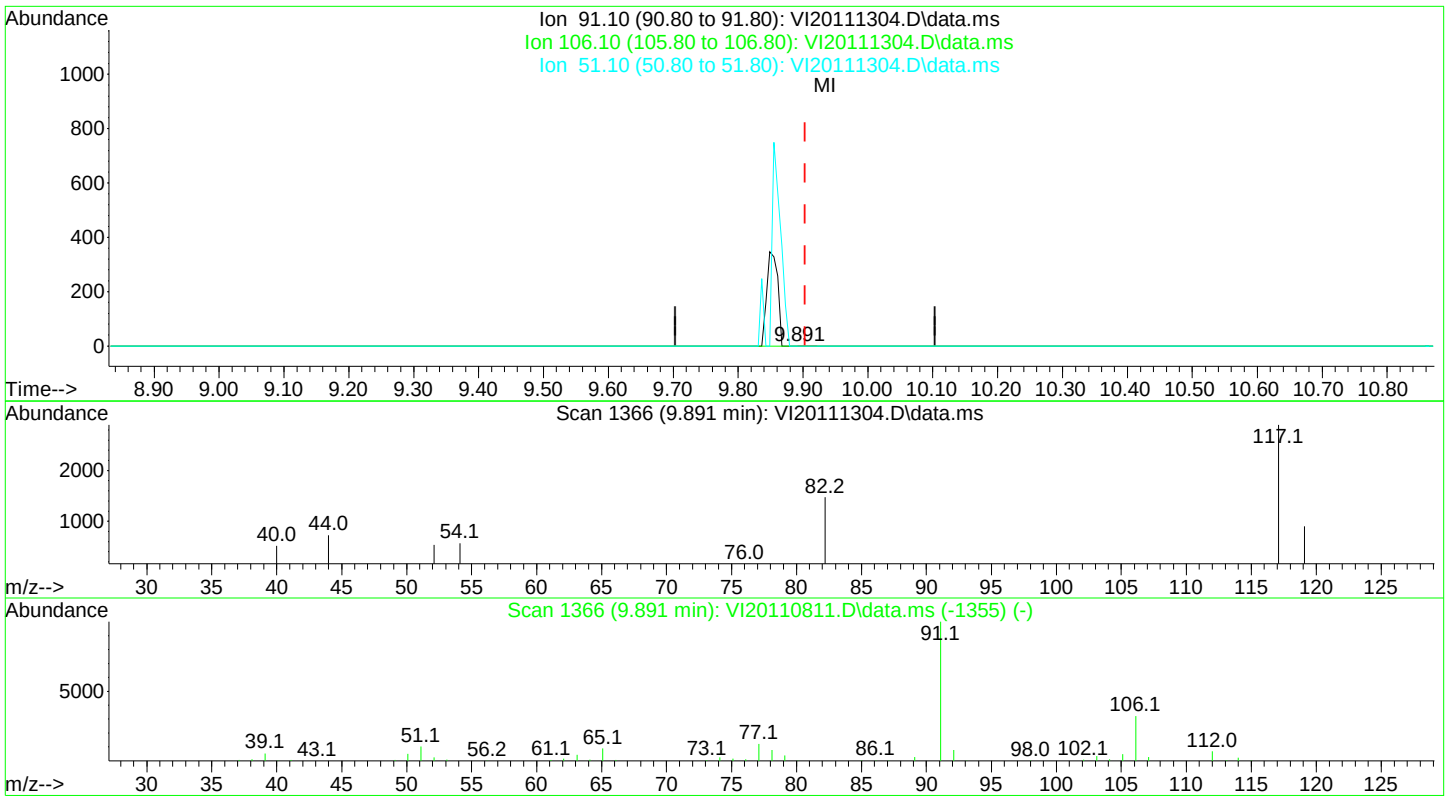
Ion	Exp%	Act%
91.10	100.00	100.00
106.10	30.80	0.00#
51.10	10.40	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111304.D
Acq On : 13 Nov 2020 6:24 pm
Operator : TNL
Sample : 0K13048-ICB1
Misc : 1X 5mL DI
ALS Vial : 4 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 15 09:39:46 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 16:47:50 2020
Response via : Initial Calibration



TIC: VI20111304.D\data.ms

(59) Ethylbenzene (C)

9.891min (-0.012) 0.00 ug/L m

response 0

Ion	Exp%	Act%
91.10	100.00	0.00
106.10	30.80	0.00#
51.10	10.40	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111304.D
Acq On : 13 Nov 2020 6:24 pm
Operator : TNL
Sample : 0K13048-ICB1
Misc : 1X 5mL DI
ALS Vial : 4 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

11/15/20 TNL

Quant Time: Nov 15 09:40:43 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 16:47:50 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (I)	6.150	99	86325	50.00	ug/L	# 0.00
45) Chlorobenzene-d5 (I)	9.855	117	223620	50.00	ug/L	0.00
66) 1,4-Dichlorobenzene-d4...	11.802	152	92735	50.00	ug/L	0.00
System Monitoring Compounds						
32) Dibromofluoromethane (S)	5.651	111	80138	48.48	ug/L	0.00
39) 1,4-Difluorobenzene (S)	6.710	114	266633	49.36	ug/L	0.00
48) Toluene-d8 (S)	8.225	98	297959	50.80	ug/L	0.00
67) 4-Bromofluorobenzene (S)	10.920	174	84000	52.52	ug/L	0.00
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	0.000		0	N.D.	d	
4) Vinyl Chloride	0.000		0	N.D.		
5) Bromomethane	0.000		0	N.D.		
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethanol	0.000		0	N.D.		
9) 1,1-Dichloroethene	0.000		0	N.D.		
10) Carbon Disulfide	0.000		0	N.D.		
11) Freon 113	0.000		0	N.D.		
12) Iodomethane	0.000		0	N.D.		
13) Acrolein	0.000		0	N.D.		
14) Methylene Chloride	3.820	84	642	0.38	ug/L	90
15) Acetone	3.893	43	1412	1.42	ug/L	96
16) t-1,2-Dichloroethene	0.000		0	N.D.		
17) n-Hexane	0.000		0	N.D.		
18) Methyl-tert-butyl-ether	0.000		0	N.D.		
19) tert-Butanol (TBA)	0.000		0	N.D.	d	
20) Diisopropyl ether (DIPE)	0.000		0	N.D.		
21) 1,1-Dichloroethane	0.000		0	N.D.		
22) Acrylonitrile	0.000		0	N.D.		
23) Ethyl-tert-butyl ether...	0.000		0	N.D.		
24) Vinyl Acetate	0.000		0	N.D.		
25) c-1,2-Dichloroethene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111304.D
Acq On : 13 Nov 2020 6:24 pm
Operator : TNL
Sample : 0K13048-ICB1
Misc : 1X 5mL DI
ALS Vial : 4 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 15 09:40:43 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 16:47:50 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
26) 2,2-Dichloropropane	0.000		0	N.D.	
27) Bromochloromethane	0.000		0	N.D.	
28) Chloroform	0.000		0	N.D.	
29) Carbon Tetrachloride	0.000		0	N.D.	
30) Tetrahydrofuran	0.000		0	N.D.	
31) 1,1,1-Trichloroethane	0.000		0	N.D.	
33) 1,1-Dichloropropene	0.000		0	N.D.	
34) 2-Butanone (MEK)	0.000		0	N.D.	
35) Benzene	0.000		0	N.D.	
36) tert-Amyl methyl ether...	0.000		0	N.D.	
37) 1,2-Dichloroethane (EDC)	0.000		0	N.D.	
38) iso-Butyl Alcohol	0.000		0	N.D.	
40) Trichloroethene (TCE)	0.000		0	N.D.	
41) Tert-Amyl-Ethyl-Ether ...	0.000		0	N.D.	
42) Dibromomethane	0.000		0	N.D.	
43) 1,2-Dichloropropane	0.000		0	N.D.	
44) Bromodichloromethane	0.000		0	N.D.	
46) 2-Chloroethyl Vinyl Ether	0.000		0	N.D.	
47) c-1,3-Dichloropropene	0.000		0	N.D.	
49) Toluene	0.000		0	N.D.	
50) Tetrachloroethene (PCE)	0.000		0	N.D.	
51) 4-Methyl-2-Pentanone (...	0.000		0	N.D.	
52) t-1,3-Dichloropropene	0.000		0	N.D.	
53) 1,1,2-Trichloroethane	0.000		0	N.D.	
54) Dibromochloromethane	0.000		0	N.D.	
55) 1,3-Dichloropropane	0.000		0	N.D.	
56) 1,2-Dibromoethane (EDB)	0.000		0	N.D.	
57) 2-Hexanone	0.000		0	N.D.	
58) Chlorobenzene	0.000		0	N.D.	
59) Ethylbenzene	9.891		0	N.D.	
60) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.	
61) m,p-Xylenes (2)	0.000		0	N.D.	
62) o-Xylene	0.000		0	N.D.	
63) Styrene	0.000		0	N.D.	
64) Bromoform	0.000		0	N.D.	
65) Isopropylbenzene	0.000		0	N.D.	

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111304.D
Acq On : 13 Nov 2020 6:24 pm
Operator : TNL
Sample : 0K13048-ICB1
Misc : 1X 5mL DI
ALS Vial : 4 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 15 09:40:43 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 16:47:50 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) Bromobenzene	0.000		0	N.D.		
69) n-Propylbenzene	0.000		0	N.D.	d	
70) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
71) 2-Chlorotoluene	0.000		0	N.D.		
72) 1,3,5-Trimethylbenzene	0.000		0	N.D.		
73) 1,2,3-Trichloropropane	0.000		0	N.D.		
74) t-1,4-Dichloro-2-butene	0.000		0	N.D.		
75) 4-Chlorotoluene	0.000		0	N.D.		
76) tert-Butylbenzene	0.000		0	N.D.		
77) 1,2,4-Trimethylbenzene	0.000		0	N.D.		
78) sec-Butylbenzene	0.000		0	N.D.		
79) 4-Isopropyltoluene	0.000		0	N.D.		
80) 1,3-Dichlorobenzene	0.000		0	N.D.		
81) 1,4-Dichlorobenzene	0.000		0	N.D.		
82) n-Butylbenzene	0.000		0	N.D.		
83) 1,2-Dichlorobenzene	0.000		0	N.D.		
84) 1,2-Dibromo-3-Chloropr...	0.000		0	N.D.		
85) Hexachlorobutadiene	0.000		0	N.D.		
86) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
87) Naphthalene	0.000		0	N.D.		
88) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

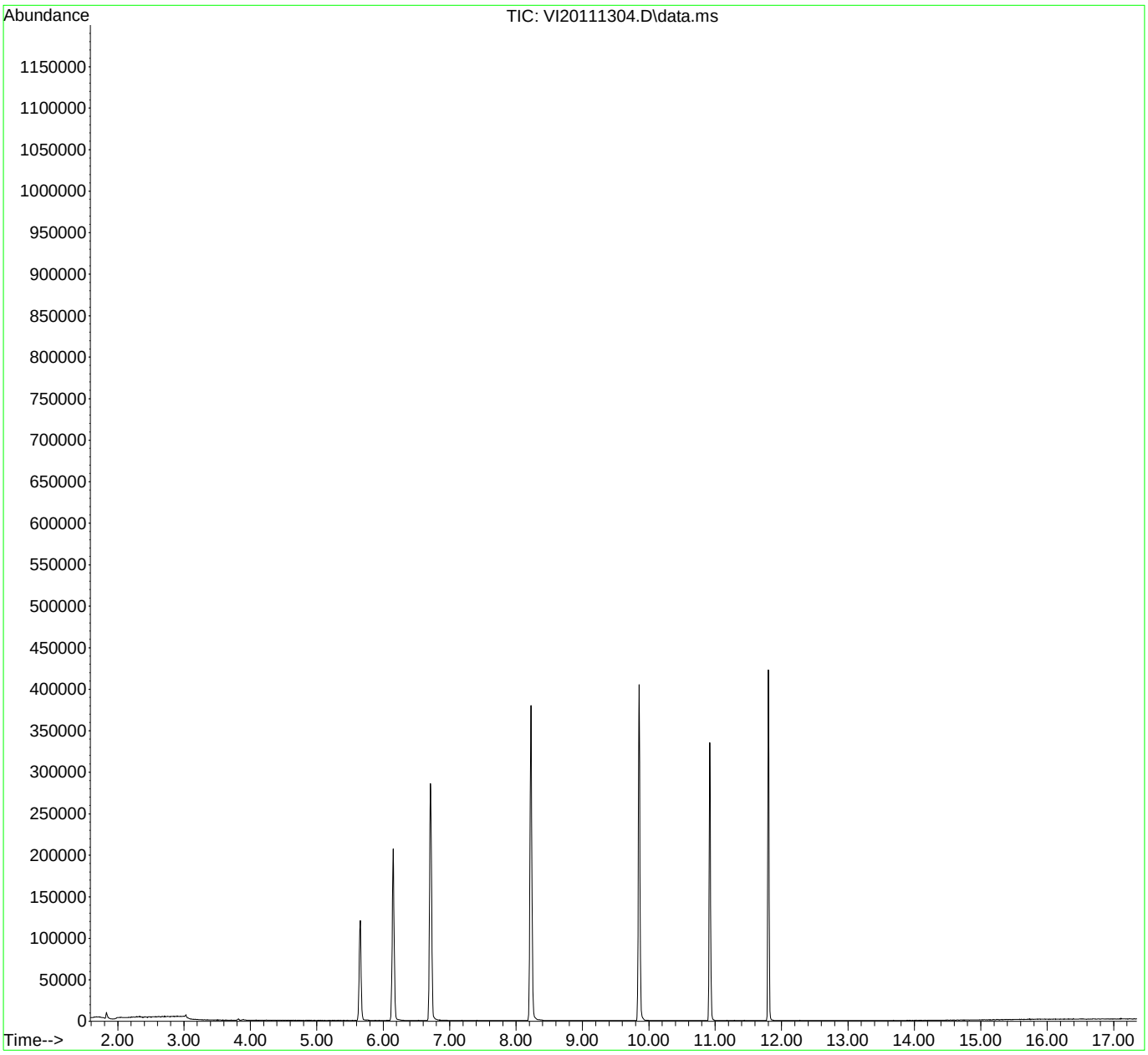
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111304.D
Acq On : 13 Nov 2020 6:24 pm
Operator : TNL
Sample : 0K13048-ICB1
Misc : 1X 5mL DI
ALS Vial : 4 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 15 09:40:43 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 16:47:50 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111305.D
Acq On : 13 Nov 2020 6:51 pm
Operator : TNL
Sample : 0K13048-CAL1
Misc : 1X 5mL 0.1 PPB VOCR0
ALS Vial : 5 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

11/15/20 TNL

Quant Time: Nov 14 15:17:46 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Tue Nov 10 21:11:09 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (I)	6.150	99	90647	50.00	ug/L	# 0.00
45) Chlorobenzene-d5 (I)	9.855	117	234786	50.00	ug/L	0.00
66) 1,4-Dichlorobenzene-d4...	11.802	152	98780	50.00	ug/L	0.00
System Monitoring Compounds						
32) Dibromofluoromethane (S)	5.651	111	84776	48.60	ug/L	0.00
39) 1,4-Difluorobenzene (S)	6.716	114	281413	50.34	ug/L	0.00
48) Toluene-d8 (S)	8.225	98	315124	50.24	ug/L	0.00
67) 4-Bromofluorobenzene (S)	10.920	174	89326	53.95	ug/L	0.00
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	1.873	50	342	0.19	ug/L #	47
4) Vinyl Chloride	1.971	62	127	0.07	ug/L #	50
5) Bromomethane	2.330	96	234	0.17	ug/L #	65
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethanol	3.199	45	677	16.33	ug/L #	29
9) 1,1-Dichloroethene	0.000		0	N.D.		
10) Carbon Disulfide	3.206	76	427	0.11	ug/L	78
11) Freon 113	0.000		0	N.D.		
12) Iodomethane	0.000		0	N.D.		
13) Acrolein	0.000		0	N.D.		
14) Methylene Chloride	3.820	84	501	0.28	ug/L	80
15) Acetone	3.893	43	1528	1.47	ug/L	88
16) t-1,2-Dichloroethene	0.000		0	N.D.		
17) n-Hexane	0.000		0	N.D.		
18) Methyl-tert-butyl-ether	4.118	73	383	0.09	ug/L	63
19) tert-Butanol (TBA)	4.240	59	4761	18.37	ug/L	94
20) Diisopropyl ether (DIPE)	0.000		0	N.D.		
21) 1,1-Dichloroethane	0.000		0	N.D.		
22) Acrylonitrile	0.000		0	N.D.		
23) Ethyl-tert-butyl ether...	0.000		0	N.D.		
24) Vinyl Acetate	0.000		0	N.D.		
25) c-1,2-Dichloroethene	0.000		0	N.D.		

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111305.D
Acq On : 13 Nov 2020 6:51 pm
Operator : TNL
Sample : 0K13048-CAL1
Misc : 1X 5mL 0.1 PPB VOCR0
ALS Vial : 5 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 15:17:46 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Tue Nov 10 21:11:09 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) 2,2-Dichloropropane	0.000		0	N.D.			
27) Bromochloromethane	0.000		0	N.D.			
28) Chloroform	0.000		0	N.D.			
29) Carbon Tetrachloride	0.000		0	N.D.			
30) Tetrahydrofuran	0.000		0	N.D.			
31) 1,1,1-Trichloroethane	0.000		0	N.D.			
33) 1,1-Dichloropropene	0.000		0	N.D.			
34) 2-Butanone (MEK)	5.809	43	123	0.08	ug/L		52
35) Benzene	6.059	78	662	0.10	ug/L		55
36) tert-Amyl methyl ether...	0.000		0	N.D.			
37) 1,2-Dichloroethane (EDC)	0.000		0	N.D.			
38) iso-Butyl Alcohol	6.326	43	605	15.89	ug/L		96
40) Trichloroethene (TCE)	0.000		0	N.D.			
41) Tert-Amyl-Ethyl-Ether ...	0.000		0	N.D.			
42) Dibromomethane	0.000		0	N.D.			
43) 1,2-Dichloropropane	0.000		0	N.D.			
44) Bromodichloromethane	0.000		0	N.D.			
46) 2-Chloroethyl Vinyl Ether	0.000		0	N.D.			
47) c-1,3-Dichloropropene	0.000		0	N.D.			
49) Toluene	8.285	91	742	0.11	ug/L		93
50) Tetrachloroethene (PCE)	0.000		0	N.D.			
51) 4-Methyl-2-Pentanone (...	8.736	43	633	0.25	ug/L	#	43
52) t-1,3-Dichloropropene	0.000		0	N.D.			
53) 1,1,2-Trichloroethane	0.000		0	N.D.			
54) Dibromochloromethane	0.000		0	N.D.			
55) 1,3-Dichloropropane	0.000		0	N.D.			
56) 1,2-Dibromoethane (EDB)	0.000		0	N.D.			
57) 2-Hexanone	9.605	43	455	0.25	ug/L	#	35
58) Chlorobenzene	9.873	112	381	0.09	ug/L	#	22
59) Ethylbenzene	9.904	91	667	0.10	ug/L	#	51
60) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.			
61) m,p-Xylenes (2)	10.031	91	1005	0.20	ug/L		87
62) o-Xylene	10.415	91	530	0.11	ug/L		94
63) Styrene	10.469	104	329	0.08	ug/L	#	42
64) Bromoform	0.000		0	N.D.			
65) Isopropylbenzene	10.682	105	623	0.11	ug/L		54

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111305.D
Acq On : 13 Nov 2020 6:51 pm
Operator : TNL
Sample : 0K13048-CAL1
Misc : 1X 5mL 0.1 PPB VOCR0
ALS Vial : 5 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 15:17:46 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Tue Nov 10 21:11:09 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) Bromobenzene	0.000		0	N.D.		
69) n-Propylbenzene	11.023	91	608	0.10	ug/L	58
70) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
71) 2-Chlorotoluene	0.000		0	N.D.		
72) 1,3,5-Trimethylbenzene	11.181	105	364	0.09	ug/L	93
73) 1,2,3-Trichloropropane	0.000		0	N.D.		
74) t-1,4-Dichloro-2-butene	0.000		0	N.D.		
75) 4-Chlorotoluene	11.291	91	452	0.12	ug/L #	45
76) tert-Butylbenzene	11.431	91	221	0.10	ug/L #	67
77) 1,2,4-Trimethylbenzene	11.485	105	380	0.09	ug/L #	35
78) sec-Butylbenzene	11.570	105	510	0.10	ug/L	59
79) 4-Isopropyltoluene	11.674	119	397	0.10	ug/L	51
80) 1,3-Dichlorobenzene	11.753	146	302	0.12	ug/L #	25
81) 1,4-Dichlorobenzene	11.814	146	281	0.10	ug/L #	15
82) n-Butylbenzene	12.002	91	221	0.07	ug/L #	31
83) 1,2-Dichlorobenzene	12.136	146	304	0.12	ug/L #	74
84) 1,2-Dibromo-3-Chloropr...	0.000		0	N.D.		
85) Hexachlorobutadiene	0.000		0	N.D.		
86) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
87) Naphthalene	13.566	128	389	0.23	ug/L	81
88) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

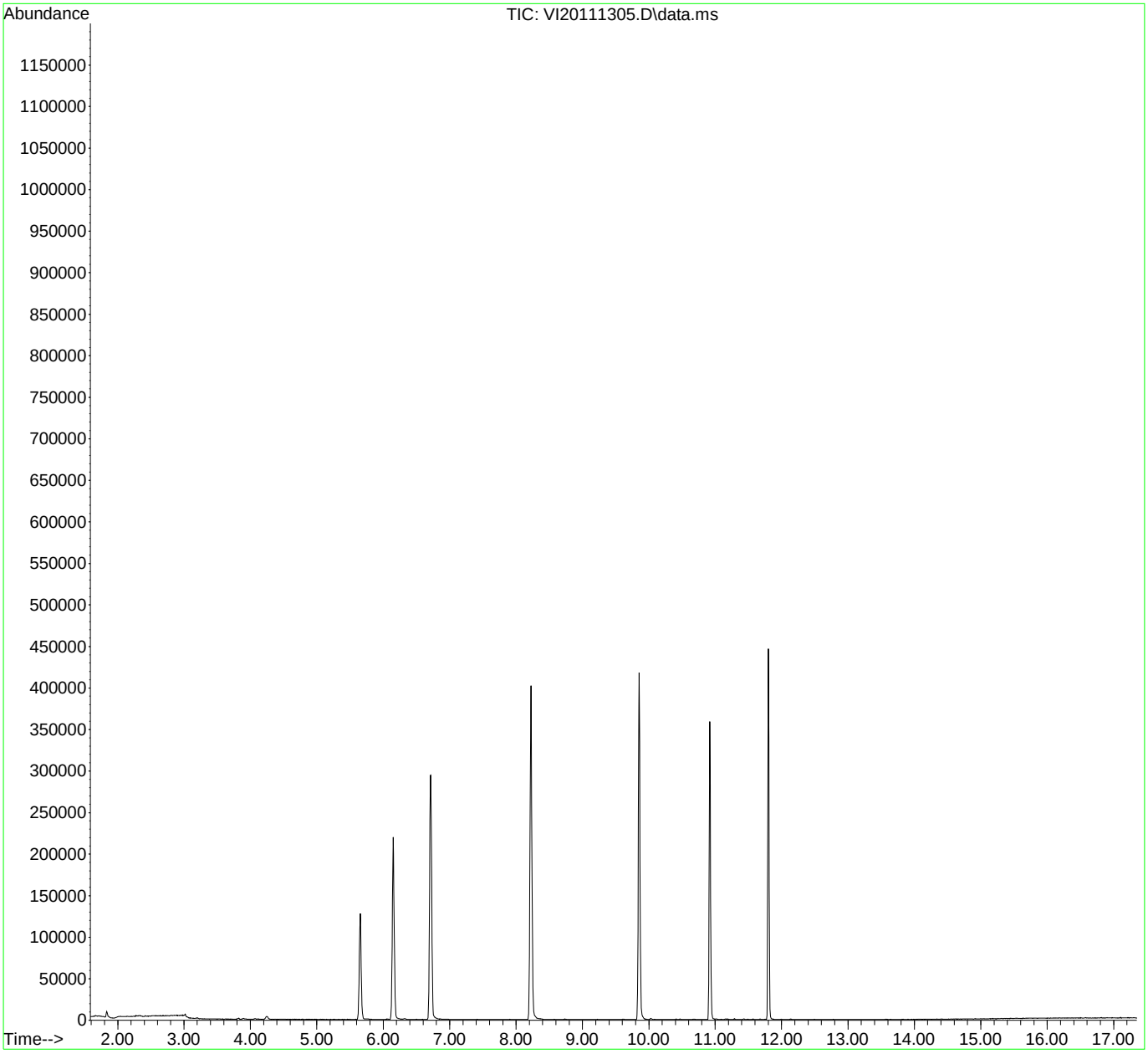
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111305.D
Acq On : 13 Nov 2020 6:51 pm
Operator : TNL
Sample : 0K13048-CAL1
Misc : 1X 5mL 0.1 PPB VOCR0
ALS Vial : 5 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 15:17:46 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Tue Nov 10 21:11:09 2020
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111305.D
Acq On : 13 Nov 2020 6:51 pm
Operator : TNL
Sample : 0K13048-CAL1
Misc : 1X 5mL 0.1 PPB VOCR0
ALS Vial : 5 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

11/15/20 TNL

Quant Time: Nov 14 15:19:19 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Tue Nov 10 21:11:09 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (I)	6.150	99	90647	50.00	ug/L	# 0.00
45) Chlorobenzene-d5 (I)	9.855	117	234786	50.00	ug/L	0.00
66) 1,4-Dichlorobenzene-d4...	11.802	152	98780	50.00	ug/L	0.00
System Monitoring Compounds						
32) Dibromofluoromethane (S)	5.651	111	84776	48.60	ug/L	0.00
39) 1,4-Difluorobenzene (S)	6.716	114	281413	50.34	ug/L	0.00
48) Toluene-d8 (S)	8.225	98	315124	50.24	ug/L	0.00
67) 4-Bromofluorobenzene (S)	10.920	174	89326	53.95	ug/L	0.00
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	0.000		0	N.D.	d	
4) Vinyl Chloride	0.000		0	N.D.	d	
5) Bromomethane	0.000		0	N.D.	d	
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethanol	0.000		0	N.D.	d	
9) 1,1-Dichloroethene	0.000		0	N.D.		
10) Carbon Disulfide	0.000		0	N.D.	d	
11) Freon 113	0.000		0	N.D.		
12) Iodomethane	0.000		0	N.D.		
13) Acrolein	0.000		0	N.D.		
14) Methylene Chloride	3.820	84	501	0.28	ug/L	80
15) Acetone	3.893	43	1528	1.47	ug/L	88
16) t-1,2-Dichloroethene	0.000		0	N.D.		
17) n-Hexane	0.000		0	N.D.		
18) Methyl-tert-butyl-ether	0.000		0	N.D.	d	
19) tert-Butanol (TBA)	4.240	59	4761	18.37	ug/L	94
20) Diisopropyl ether (DIPE)	0.000		0	N.D.		
21) 1,1-Dichloroethane	0.000		0	N.D.		
22) Acrylonitrile	0.000		0	N.D.		
23) Ethyl-tert-butyl ether...	0.000		0	N.D.		
24) Vinyl Acetate	0.000		0	N.D.		
25) c-1,2-Dichloroethene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111305.D
Acq On : 13 Nov 2020 6:51 pm
Operator : TNL
Sample : 0K13048-CAL1
Misc : 1X 5mL 0.1 PPB VOCR0
ALS Vial : 5 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 15:19:19 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Tue Nov 10 21:11:09 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) 2,2-Dichloropropane	0.000		0	N.D.		
27) Bromochloromethane	0.000		0	N.D.		
28) Chloroform	0.000		0	N.D.		
29) Carbon Tetrachloride	0.000		0	N.D.		
30) Tetrahydrofuran	0.000		0	N.D.		
31) 1,1,1-Trichloroethane	0.000		0	N.D.		
33) 1,1-Dichloropropene	0.000		0	N.D.		
34) 2-Butanone (MEK)	0.000		0	N.D. d		
35) Benzene	6.059	78	662	0.10	ug/L	55
36) tert-Amyl methyl ether...	0.000		0	N.D.		
37) 1,2-Dichloroethane (EDC)	0.000		0	N.D.		
38) iso-Butyl Alcohol	6.326	43	605	15.89	ug/L	96
40) Trichloroethene (TCE)	0.000		0	N.D.		
41) Tert-Amyl-Ethyl-Ether ...	0.000		0	N.D.		
42) Dibromomethane	0.000		0	N.D.		
43) 1,2-Dichloropropane	0.000		0	N.D.		
44) Bromodichloromethane	0.000		0	N.D.		
46) 2-Chloroethyl Vinyl Ether	0.000		0	N.D.		
47) c-1,3-Dichloropropene	0.000		0	N.D.		
49) Toluene	8.285	91	742	0.11	ug/L	93
50) Tetrachloroethene (PCE)	0.000		0	N.D.		
51) 4-Methyl-2-Pentanone (...	0.000		0	N.D. d		
52) t-1,3-Dichloropropene	0.000		0	N.D.		
53) 1,1,2-Trichloroethane	0.000		0	N.D.		
54) Dibromochloromethane	0.000		0	N.D.		
55) 1,3-Dichloropropane	0.000		0	N.D.		
56) 1,2-Dibromoethane (EDB)	0.000		0	N.D.		
57) 2-Hexanone	0.000		0	N.D. d		
58) Chlorobenzene	9.873	112	381	0.09	ug/L #	22
59) Ethylbenzene	9.904	91	667	0.10	ug/L #	51
60) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.		
61) m,p-Xylenes (2)	10.031	91	1005	0.20	ug/L	87
62) o-Xylene	10.415	91	530	0.11	ug/L	94
63) Styrene	0.000		0	N.D. d		
64) Bromoform	0.000		0	N.D.		
65) Isopropylbenzene	0.000		0	N.D. d		

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111305.D
Acq On : 13 Nov 2020 6:51 pm
Operator : TNL
Sample : 0K13048-CAL1
Misc : 1X 5mL 0.1 PPB VOCR0
ALS Vial : 5 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 15:19:19 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Tue Nov 10 21:11:09 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) Bromobenzene	0.000		0	N.D.		
69) n-Propylbenzene	0.000		0	N.D.	d	
70) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
71) 2-Chlorotoluene	0.000		0	N.D.		
72) 1,3,5-Trimethylbenzene	11.181	105	364	0.09	ug/L	93
73) 1,2,3-Trichloropropane	0.000		0	N.D.		
74) t-1,4-Dichloro-2-butene	0.000		0	N.D.		
75) 4-Chlorotoluene	0.000		0	N.D.	d	
76) tert-Butylbenzene	11.431	91	221	0.10	ug/L #	67
77) 1,2,4-Trimethylbenzene	0.000		0	N.D.	d	
78) sec-Butylbenzene	0.000		0	N.D.	d	
79) 4-Isopropyltoluene	0.000		0	N.D.	d	
80) 1,3-Dichlorobenzene	0.000		0	N.D.	d	
81) 1,4-Dichlorobenzene	11.814	146	281	0.10	ug/L #	15
82) n-Butylbenzene	12.002	91	221	0.07	ug/L #	31
83) 1,2-Dichlorobenzene	12.136	146	304	0.12	ug/L #	74
84) 1,2-Dibromo-3-Chloropr...	0.000		0	N.D.		
85) Hexachlorobutadiene	0.000		0	N.D.		
86) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
87) Naphthalene	13.566	128	389	0.23	ug/L	81
88) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

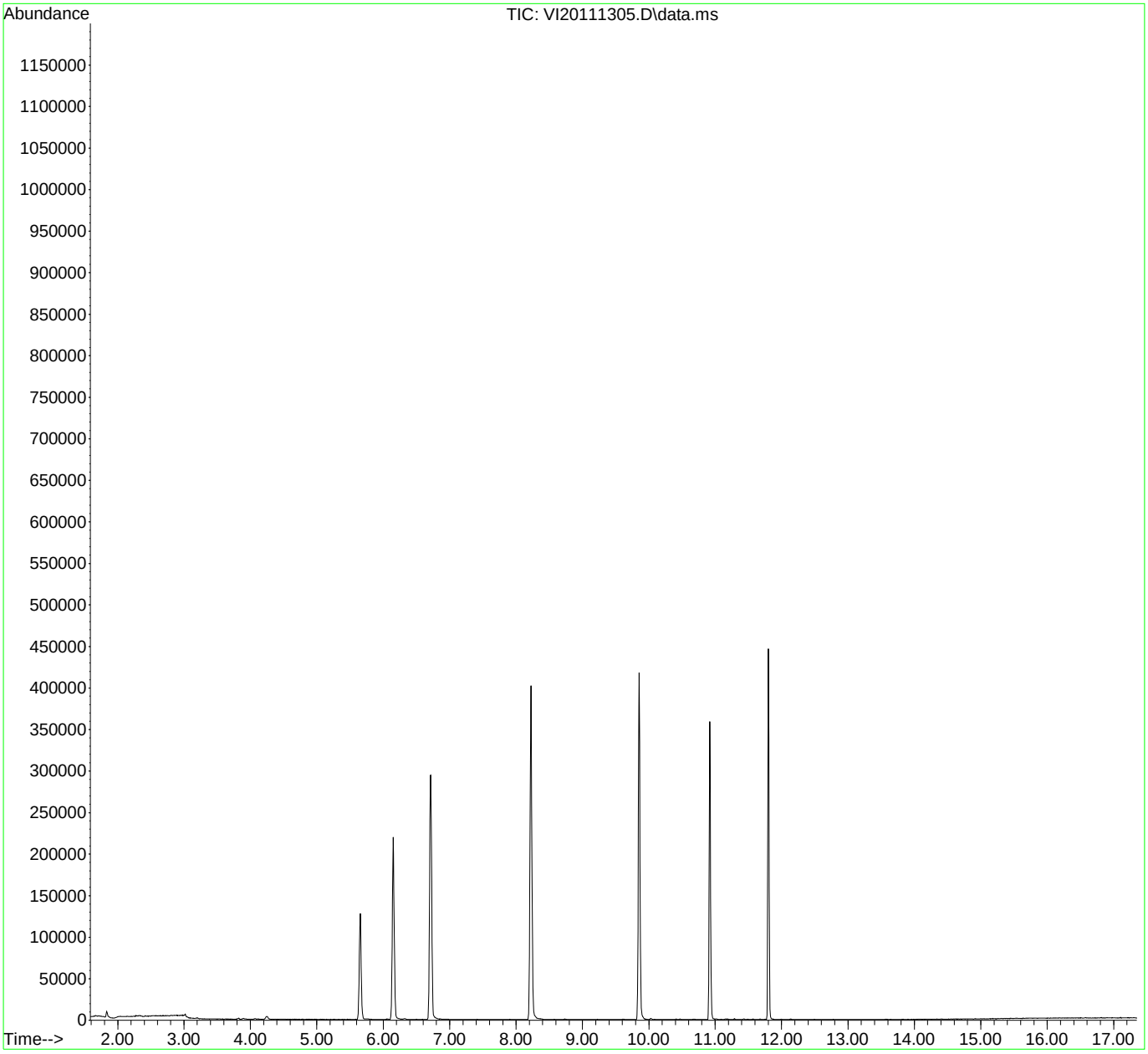
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111305.D
Acq On : 13 Nov 2020 6:51 pm
Operator : TNL
Sample : 0K13048-CAL1
Misc : 1X 5mL 0.1 PPB VOCR0
ALS Vial : 5 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 15:19:19 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Tue Nov 10 21:11:09 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111306.D
Acq On : 13 Nov 2020 7:18 pm
Operator : TNL
Sample : 0K13048-CAL2 11/15/20 TNL
Misc : 1X 5mL 0.2 PPB VOCR0
ALS Vial : 6 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 15:19:46 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Tue Nov 10 21:11:09 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.150	99	87220	50.00	ug/L		0.00
45) Chlorobenzene-d5 (I)	9.855	117	225094	50.00	ug/L		0.00
66) 1,4-Dichlorobenzene-d4...	11.802	152	93815	50.00	ug/L		0.00
System Monitoring Compounds							
32) Dibromofluoromethane (S)	5.651	111	81107	48.33	ug/L		0.00
39) 1,4-Difluorobenzene (S)	6.716	114	267089	49.65	ug/L		0.00
48) Toluene-d8 (S)	8.224	98	301593	50.15	ug/L		0.00
67) 4-Bromofluorobenzene (S)	10.919	174	85520	54.38	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.660	85	226	0.14	ug/L	#	49
3) Chloromethane	1.873	50	519	0.30	ug/L	#	47
4) Vinyl Chloride	1.977	62	314	0.17	ug/L		62
5) Bromomethane	2.329	96	365	0.28	ug/L	#	51
6) Chloroethane	2.475	64	198	Below Cal		#	36
7) Trichlorofluoromethane	2.634	101	214	0.10	ug/L		81
8) Ethanol	3.193	45	775	19.43	ug/L		91
9) 1,1-Dichloroethene	3.193	61	329	0.16	ug/L	#	71
10) Carbon Disulfide	3.212	76	739	0.19	ug/L		78
11) Freon 113	0.000		0	N.D.			
12) Iodomethane	0.000		0	N.D.			
13) Acrolein	0.000		0	N.D.			
14) Methylene Chloride	3.820	84	689	0.40	ug/L		89
15) Acetone	3.899	43	1525	1.53	ug/L	#	44
16) t-1,2-Dichloroethene	3.990	61	319	0.16	ug/L	#	68
17) n-Hexane	0.000		0	N.D.			
18) Methyl-tert-butyl-ether	4.118	73	756	0.18	ug/L		63
19) tert-Butanol (TBA)	4.246	59	6087	22.66	ug/L		92
20) Diisopropyl ether (DIPE)	0.000		0	N.D.			
21) 1,1-Dichloroethane	4.623	63	465	0.17	ug/L	#	48
22) Acrylonitrile	0.000		0	N.D.			
23) Ethyl-tert-butyl ether...	0.000		0	N.D.			
24) Vinyl Acetate	4.915	43	404	0.15	ug/L		74
25) c-1,2-Dichloroethene	5.183	61	222	0.11	ug/L	#	69

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111306.D
Acq On : 13 Nov 2020 7:18 pm
Operator : TNL
Sample : 0K13048-CAL2
Misc : 1X 5mL 0.2 PPB VOCR0
ALS Vial : 6 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 15:19:46 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Tue Nov 10 21:11:09 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) 2,2-Dichloropropane	5.286	77	268	0.26	ug/L		70
27) Bromochloromethane	0.000		0	N.D.			
28) Chloroform	5.469	83	446	0.17	ug/L		84
29) Carbon Tetrachloride	0.000		0	N.D.			
30) Tetrahydrofuran	0.000		0	N.D.			
31) 1,1,1-Trichloroethane	5.675	97	281	0.15	ug/L	#	25
33) 1,1-Dichloropropene	5.803	75	145	0.07	ug/L	#	43
34) 2-Butanone (MEK)	5.815	43	422	0.29	ug/L		52
35) Benzene	6.065	78	1307	0.21	ug/L		84
36) tert-Amyl methyl ether...	0.000		0	N.D.			
37) 1,2-Dichloroethane (EDC)	6.278	62	260	0.12	ug/L		54
38) iso-Butyl Alcohol	6.326	43	794	17.35	ug/L		83
40) Trichloroethene (TCE)	6.685	130	115	0.07	ug/L	#	61
41) Tert-Amyl-Ethyl-Ether ...	0.000		0	N.D.			
42) Dibromomethane	0.000		0	N.D.			
43) 1,2-Dichloropropane	7.239	63	121	0.07	ug/L	#	35
44) Bromodichloromethane	0.000		0	N.D.			
46) 2-Chloroethyl Vinyl Ether	0.000		0	N.D.			
47) c-1,3-Dichloropropene	0.000		0	N.D.			
49) Toluene	8.285	91	1261	0.20	ug/L		92
50) Tetrachloroethene (PCE)	8.729	166	260	0.17	ug/L	#	71
51) 4-Methyl-2-Pentanone (...	8.735	43	959	0.40	ug/L	#	43
52) t-1,3-Dichloropropene	0.000		0	N.D.			
53) 1,1,2-Trichloroethane	8.948	97	124	0.09	ug/L	#	10
54) Dibromochloromethane	0.000		0	N.D.			
55) 1,3-Dichloropropane	9.228	76	247	0.10	ug/L	#	68
56) 1,2-Dibromoethane (EDB)	0.000		0	N.D.			
57) 2-Hexanone	9.605	43	516	0.30	ug/L		87
58) Chlorobenzene	9.867	112	756	0.19	ug/L	#	1
59) Ethylbenzene	9.897	91	1333	0.21	ug/L		86
60) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.			
61) m,p-Xylenes (2)	10.031	91	1874	0.38	ug/L		91
62) o-Xylene	10.414	91	843	0.18	ug/L		89
63) Styrene	10.463	104	688	0.18	ug/L		82
64) Bromoform	0.000		0	N.D.			
65) Isopropylbenzene	10.676	105	1067	0.19	ug/L		91

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111306.D
Acq On : 13 Nov 2020 7:18 pm
Operator : TNL
Sample : 0K13048-CAL2
Misc : 1X 5mL 0.2 PPB VOCR0
ALS Vial : 6 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 15:19:46 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Tue Nov 10 21:11:09 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
68) Bromobenzene	11.011	156	234	0.17	ug/L		83
69) n-Propylbenzene	11.029	91	1115	0.19	ug/L		89
70) 1,1,2,2-Tetrachloroethane	11.090	85	138	0.11	ug/L		85
71) 2-Chlorotoluene	11.157	126	124	0.10	ug/L	#	89
72) 1,3,5-Trimethylbenzene	11.181	105	751	0.19	ug/L		85
73) 1,2,3-Trichloropropane	0.000		0	N.D.			
74) t-1,4-Dichloro-2-butene	0.000		0	N.D.			
75) 4-Chlorotoluene	11.291	91	712	0.20	ug/L		86
76) tert-Butylbenzene	11.430	91	406	0.19	ug/L	#	84
77) 1,2,4-Trimethylbenzene	11.485	105	584	0.15	ug/L		94
78) sec-Butylbenzene	11.570	105	982	0.21	ug/L		70
79) 4-Isopropyltoluene	11.680	119	643	0.17	ug/L		72
80) 1,3-Dichlorobenzene	11.753	146	395	0.17	ug/L	#	67
81) 1,4-Dichlorobenzene	11.814	146	468	0.18	ug/L	#	27
82) n-Butylbenzene	11.996	91	427	0.13	ug/L		82
83) 1,2-Dichlorobenzene	12.130	146	382	0.16	ug/L	#	63
84) 1,2-Dibromo-3-Chloropr...	0.000		0	N.D.			
85) Hexachlorobutadiene	0.000		0	N.D.			
86) 1,2,4-Trichlorobenzene	0.000		0	N.D.			
87) Naphthalene	13.566	128	426	0.24	ug/L		81
88) 1,2,3-Trichlorobenzene	0.000		0	N.D.			

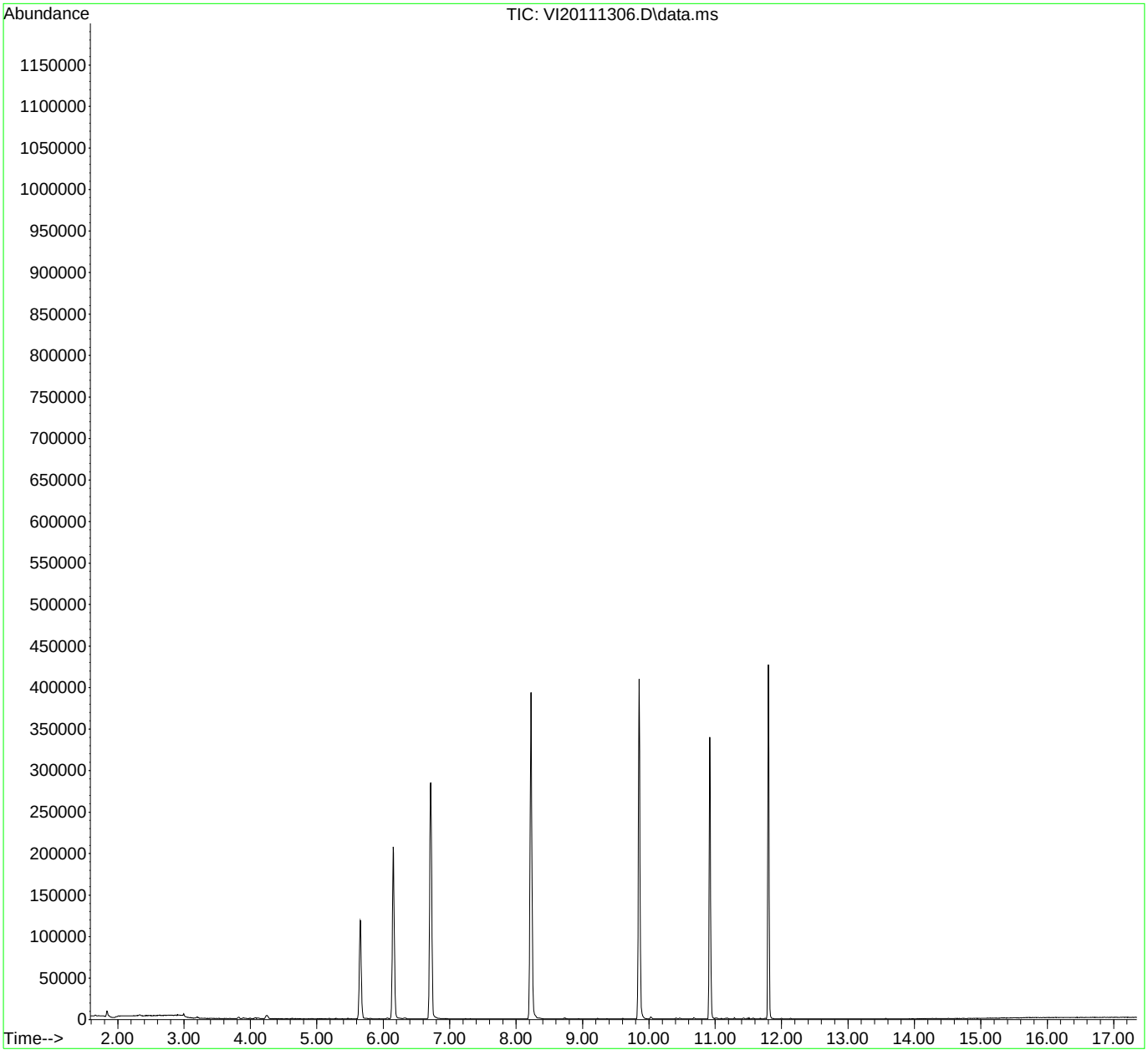
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111306.D
Acq On : 13 Nov 2020 7:18 pm
Operator : TNL
Sample : 0K13048-CAL2
Misc : 1X 5mL 0.2 PPB VOCR0
ALS Vial : 6 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 15:19:46 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Tue Nov 10 21:11:09 2020
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111306.D
Acq On : 13 Nov 2020 7:18 pm
Operator : TNL
Sample : 0K13048-CAL2
Misc : 1X 5mL 0.2 PPB VOCR0
ALS Vial : 6 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M 11/15/20 TNL

Quant Time: Nov 14 15:22:23 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:20:14 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.150	99	87220	50.00	ug/L		0.00
45) Chlorobenzene-d5 (I)	9.855	117	225094	50.00	ug/L		0.00
66) 1,4-Dichlorobenzene-d4...	11.802	152	93815	50.00	ug/L		0.00
System Monitoring Compounds							
32) Dibromofluoromethane (S)	5.651	111	81107	48.33	ug/L		0.00
39) 1,4-Difluorobenzene (S)	6.716	114	267089	49.65	ug/L		0.00
48) Toluene-d8 (S)	8.224	98	301650	50.16	ug/L		0.00
67) 4-Bromofluorobenzene (S)	10.919	174	85520	54.38	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	d		
3) Chloromethane	0.000		0	N.D.	d		
4) Vinyl Chloride	1.977	62	314	0.17	ug/L		62
5) Bromomethane	2.329	96	365	0.28	ug/L	#	51
6) Chloroethane	0.000		0	N.D.	d		
7) Trichlorofluoromethane	2.634	101	214	0.10	ug/L		81
8) Ethanol	3.193	45	775	19.43	ug/L		91
9) 1,1-Dichloroethene	3.193	61	329	0.16	ug/L	#	71
10) Carbon Disulfide	3.212	76	739m	0.19	ug/L		
11) Freon 113	0.000		0	N.D.			
12) Iodomethane	0.000		0	N.D.			
13) Acrolein	0.000		0	N.D.			
14) Methylene Chloride	3.820	84	689	0.40	ug/L		89
15) Acetone	3.899	43	1525	1.53	ug/L	#	44
16) t-1,2-Dichloroethene	3.990	61	319	0.16	ug/L	#	68
17) n-Hexane	0.000		0	N.D.			
18) Methyl-tert-butyl-ether	4.118	73	756	0.18	ug/L		63
19) tert-Butanol (TBA)	4.246	59	6087	22.66	ug/L		92
20) Diisopropyl ether (DIPE)	0.000		0	N.D.			
21) 1,1-Dichloroethane	0.000		0	N.D.	d		
22) Acrylonitrile	0.000		0	N.D.			
23) Ethyl-tert-butyl ether...	0.000		0	N.D.			
24) Vinyl Acetate	0.000		0	N.D.	d		
25) c-1,2-Dichloroethene	5.183	61	222	0.11	ug/L	#	69

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111306.D
Acq On : 13 Nov 2020 7:18 pm
Operator : TNL
Sample : 0K13048-CAL2
Misc : 1X 5mL 0.2 PPB VOCR0
ALS Vial : 6 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 15:22:23 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:20:14 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) 2,2-Dichloropropane	5.286	77	268	0.26	ug/L		70
27) Bromochloromethane	0.000		0	N.D.			
28) Chloroform	5.469	83	446	0.17	ug/L		84
29) Carbon Tetrachloride	0.000		0	N.D.			
30) Tetrahydrofuran	0.000		0	N.D.			
31) 1,1,1-Trichloroethane	5.675	97	281	0.15	ug/L	#	25
33) 1,1-Dichloropropene	0.000		0	N.D.	d		
34) 2-Butanone (MEK)	0.000		0	N.D.	d		
35) Benzene	6.065	78	1307	0.21	ug/L		84
36) tert-Amyl methyl ether...	0.000		0	N.D.			
37) 1,2-Dichloroethane (EDC)	0.000		0	N.D.	d		
38) iso-Butyl Alcohol	6.326	43	794	17.35	ug/L		83
40) Trichloroethene (TCE)	6.685	130	115	0.07	ug/L	#	61
41) Tert-Amyl-Ethyl-Ether ...	0.000		0	N.D.			
42) Dibromomethane	0.000		0	N.D.			
43) 1,2-Dichloropropane	0.000		0	N.D.	d		
44) Bromodichloromethane	0.000		0	N.D.			
46) 2-Chloroethyl Vinyl Ether	0.000		0	N.D.			
47) c-1,3-Dichloropropene	0.000		0	N.D.			
49) Toluene	8.285	91	1261	0.20	ug/L		92
50) Tetrachloroethene (PCE)	8.729	166	260	0.17	ug/L	#	71
51) 4-Methyl-2-Pentanone (...	8.735	43	959	0.40	ug/L	#	43
52) t-1,3-Dichloropropene	0.000		0	N.D.			
53) 1,1,2-Trichloroethane	0.000		0	N.D.	d		
54) Dibromochloromethane	0.000		0	N.D.			
55) 1,3-Dichloropropane	9.228	76	247	0.10	ug/L	#	68
56) 1,2-Dibromoethane (EDB)	0.000		0	N.D.			
57) 2-Hexanone	9.605	43	516	0.30	ug/L		87
58) Chlorobenzene	9.867	112	756	0.19	ug/L	#	1
59) Ethylbenzene	9.897	91	1333	0.21	ug/L		86
60) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.			
61) m,p-Xylenes (2)	10.031	91	1874	0.38	ug/L		91
62) o-Xylene	10.414	91	843	0.18	ug/L		89
63) Styrene	10.463	104	688	0.18	ug/L		82
64) Bromoform	0.000		0	N.D.			
65) Isopropylbenzene	10.676	105	1067	0.19	ug/L		91

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111306.D
Acq On : 13 Nov 2020 7:18 pm
Operator : TNL
Sample : 0K13048-CAL2
Misc : 1X 5mL 0.2 PPB VOCR0
ALS Vial : 6 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 15:22:23 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:20:14 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
68) Bromobenzene	11.011	156	234	0.17	ug/L		83
69) n-Propylbenzene	11.029	91	1115	0.19	ug/L		89
70) 1,1,2,2-Tetrachloroethane	11.090	85	138	0.11	ug/L		85
71) 2-Chlorotoluene	11.157	126	124	0.10	ug/L	#	89
72) 1,3,5-Trimethylbenzene	11.181	105	751	0.19	ug/L		85
73) 1,2,3-Trichloropropane	0.000		0	N.D.			
74) t-1,4-Dichloro-2-butene	0.000		0	N.D.			
75) 4-Chlorotoluene	11.291	91	712	0.20	ug/L		86
76) tert-Butylbenzene	11.430	91	406	0.19	ug/L	#	84
77) 1,2,4-Trimethylbenzene	11.485	105	584	0.15	ug/L		94
78) sec-Butylbenzene	11.570	105	982	0.21	ug/L		70
79) 4-Isopropyltoluene	11.680	119	643	0.17	ug/L		72
80) 1,3-Dichlorobenzene	11.753	146	395	0.17	ug/L	#	67
81) 1,4-Dichlorobenzene	11.814	146	468	0.18	ug/L	#	27
82) n-Butylbenzene	11.996	91	427	0.13	ug/L		82
83) 1,2-Dichlorobenzene	12.130	146	382	0.16	ug/L	#	63
84) 1,2-Dibromo-3-Chloropr...	0.000		0	N.D.			
85) Hexachlorobutadiene	0.000		0	N.D.			
86) 1,2,4-Trichlorobenzene	0.000		0	N.D.			
87) Naphthalene	13.566	128	426	0.24	ug/L		81
88) 1,2,3-Trichlorobenzene	0.000		0	N.D.			

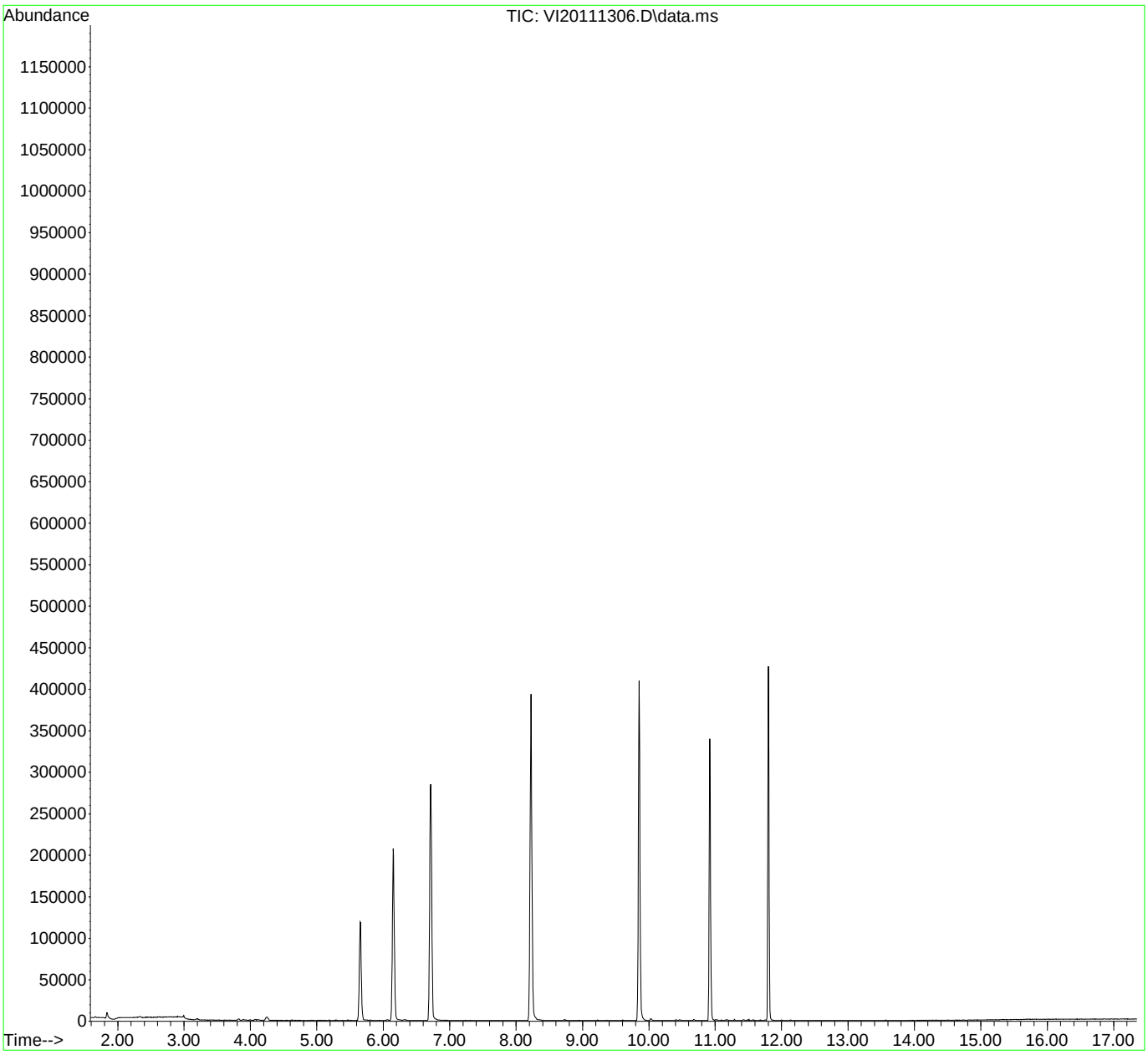
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111306.D
Acq On : 13 Nov 2020 7:18 pm
Operator : TNL
Sample : 0K13048-CAL2
Misc : 1X 5mL 0.2 PPB VOCR0
ALS Vial : 6 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 15:22:23 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:20:14 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111307.D
Acq On : 13 Nov 2020 9:40 pm
Operator : TNL
Sample : 0K13048-CAL3
Misc : 1X 5mL 0.4 PPB VOCR0
ALS Vial : 7 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

11/15/20 TNL

Quant Time: Nov 14 15:23:12 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:20:14 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.150	99	83476	50.00	ug/L	#	0.00
45) Chlorobenzene-d5 (I)	9.855	117	220016	50.00	ug/L		0.00
66) 1,4-Dichlorobenzene-d4...	11.802	152	102923	50.00	ug/L		0.00
System Monitoring Compounds							
32) Dibromofluoromethane (S)	5.651	111	83858	52.21	ug/L		0.00
39) 1,4-Difluorobenzene (S)	6.710	114	265490	51.57	ug/L		0.00
48) Toluene-d8 (S)	8.224	98	287550	48.92	ug/L		0.00
67) 4-Bromofluorobenzene (S)	10.919	174	86936	50.39	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.660	85	526	0.33	ug/L	#	49
3) Chloromethane	1.867	50	1210	0.73	ug/L		90
4) Vinyl Chloride	1.964	62	714	0.40	ug/L		70
5) Bromomethane	2.329	96	954	0.76	ug/L		81
6) Chloroethane	2.475	64	650	Below Cal		#	51
7) Trichlorofluoromethane	2.634	101	674	0.32	ug/L		92
8) Ethanol	3.187	45	1326	34.73	ug/L		87
9) 1,1-Dichloroethene	3.187	61	976	0.49	ug/L		87
10) Carbon Disulfide	3.205	76	1627	0.44	ug/L		78
11) Freon 113	3.242	101	392	0.32	ug/L	#	63
12) Iodomethane	0.000		0	N.D.			
13) Acrolein	0.000		0	N.D.			
14) Methylene Chloride	3.820	84	1056	0.64	ug/L		94
15) Acetone	3.893	43	2058	2.15	ug/L		89
16) t-1,2-Dichloroethene	3.990	61	818	0.42	ug/L		98
17) n-Hexane	0.000		0	N.D.			
18) Methyl-tert-butyl-ether	4.112	73	1918	0.48	ug/L		83
19) tert-Butanol (TBA)	4.240	59	11587	39.78	ug/L		87
20) Diisopropyl ether (DIPE)	4.507	45	349	0.08	ug/L		62
21) 1,1-Dichloroethane	4.623	63	1116	0.42	ug/L		90
22) Acrylonitrile	0.000		0	N.D.			
23) Ethyl-tert-butyl ether...	0.000		0	N.D.			
24) Vinyl Acetate	4.915	43	849	0.33	ug/L		74
25) c-1,2-Dichloroethene	5.183	61	848	0.42	ug/L		84

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111307.D
Acq On : 13 Nov 2020 9:40 pm
Operator : TNL
Sample : 0K13048-CAL3
Misc : 1X 5mL 0.4 PPB VOCR0
ALS Vial : 7 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 15:23:12 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:20:14 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) 2,2-Dichloropropane	5.292	77	794	0.81	ug/L		87
27) Bromochloromethane	5.383	130	358	0.36	ug/L		98
28) Chloroform	5.462	83	1074	0.42	ug/L		89
29) Carbon Tetrachloride	5.590	117	614	0.54	ug/L		80
30) Tetrahydrofuran	5.645	42	347	0.36	ug/L	#	69
31) 1,1,1-Trichloroethane	5.669	97	885	0.48	ug/L		95
33) 1,1-Dichloropropene	5.809	75	763	0.40	ug/L	#	43
34) 2-Butanone (MEK)	5.797	43	1025	0.73	ug/L		52
35) Benzene	6.059	78	2587	0.43	ug/L		97
36) tert-Amyl methyl ether...	6.174	73	280	0.08	ug/L	#	1
37) 1,2-Dichloroethane (EDC)	6.278	62	745	0.36	ug/L		83
38) iso-Butyl Alcohol	6.314	43	1666	23.84	ug/L		92
40) Trichloroethene (TCE)	6.679	130	694	0.45	ug/L		93
41) Tert-Amyl-Ethyl-Ether ...	0.000		0	N.D.			
42) Dibromomethane	7.135	93	287	0.29	ug/L		91
43) 1,2-Dichloropropane	7.239	63	449	0.29	ug/L	#	35
44) Bromodichloromethane	7.312	83	666	0.38	ug/L		88
46) 2-Chloroethyl Vinyl Ether	0.000		0	N.D.			
47) c-1,3-Dichloropropene	8.024	75	702	0.38	ug/L	#	79
49) Toluene	8.285	91	2615	0.42	ug/L		91
50) Tetrachloroethene (PCE)	8.729	166	529	0.35	ug/L	#	68
51) 4-Methyl-2-Pentanone (...	8.735	43	1736	0.74	ug/L		88
52) t-1,3-Dichloropropene	8.778	75	453	0.86	ug/L	#	45
53) 1,1,2-Trichloroethane	8.942	97	441	0.31	ug/L		97
54) Dibromochloromethane	9.125	129	376	0.33	ug/L		85
55) 1,3-Dichloropropane	9.222	76	803	0.34	ug/L	#	65
56) 1,2-Dibromoethane (EDB)	9.362	107	398	0.28	ug/L		92
57) 2-Hexanone	9.599	43	1103	0.66	ug/L		89
58) Chlorobenzene	9.873	112	1541	0.40	ug/L		70
59) Ethylbenzene	9.897	91	2668	0.42	ug/L		98
60) 1,1,1,2-Tetrachloroethane	9.928	131	360	0.67	ug/L	#	70
61) m,p-Xylenes (2)	10.031	91	3762	0.79	ug/L		99
62) o-Xylene	10.414	91	1838	0.39	ug/L		98
63) Styrene	10.463	104	1190	0.32	ug/L		89
64) Bromoform	10.488	173	204	0.97	ug/L	#	36
65) Isopropylbenzene	10.676	105	2190	0.40	ug/L		95

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111307.D
Acq On : 13 Nov 2020 9:40 pm
Operator : TNL
Sample : 0K13048-CAL3
Misc : 1X 5mL 0.4 PPB VOCR0
ALS Vial : 7 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 15:23:12 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:20:14 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
68) Bromobenzene	11.005	156	556	0.36	ug/L	#	67
69) n-Propylbenzene	11.023	91	2565	0.39	ug/L		98
70) 1,1,2,2-Tetrachloroethane	11.090	85	426	0.32	ug/L		93
71) 2-Chlorotoluene	11.157	126	509	0.39	ug/L	#	80
72) 1,3,5-Trimethylbenzene	11.175	105	1625	0.38	ug/L		88
73) 1,2,3-Trichloropropane	11.199	110	130	0.19	ug/L		97
74) t-1,4-Dichloro-2-butene	0.000		0	N.D.			
75) 4-Chlorotoluene	11.284	91	1525	0.38	ug/L		92
76) tert-Butylbenzene	11.430	91	1002	0.42	ug/L		90
77) 1,2,4-Trimethylbenzene	11.491	105	1531	0.36	ug/L		86
78) sec-Butylbenzene	11.570	105	2180	0.42	ug/L		97
79) 4-Isopropyltoluene	11.674	119	1687	0.39	ug/L		95
80) 1,3-Dichlorobenzene	11.747	146	1052	0.41	ug/L		99
81) 1,4-Dichlorobenzene	11.814	146	1175	0.40	ug/L	#	71
82) n-Butylbenzene	11.996	91	1317	0.37	ug/L		96
83) 1,2-Dichlorobenzene	12.136	146	991	0.39	ug/L		96
84) 1,2-Dibromo-3-Chloropr...	0.000		0	N.D.			
85) Hexachlorobutadiene	0.000		0	N.D.			
86) 1,2,4-Trichlorobenzene	13.292	180	431	0.34	ug/L		89
87) Naphthalene	13.566	128	1202	0.41	ug/L		81
88) 1,2,3-Trichlorobenzene	13.730	180	413	0.31	ug/L		84

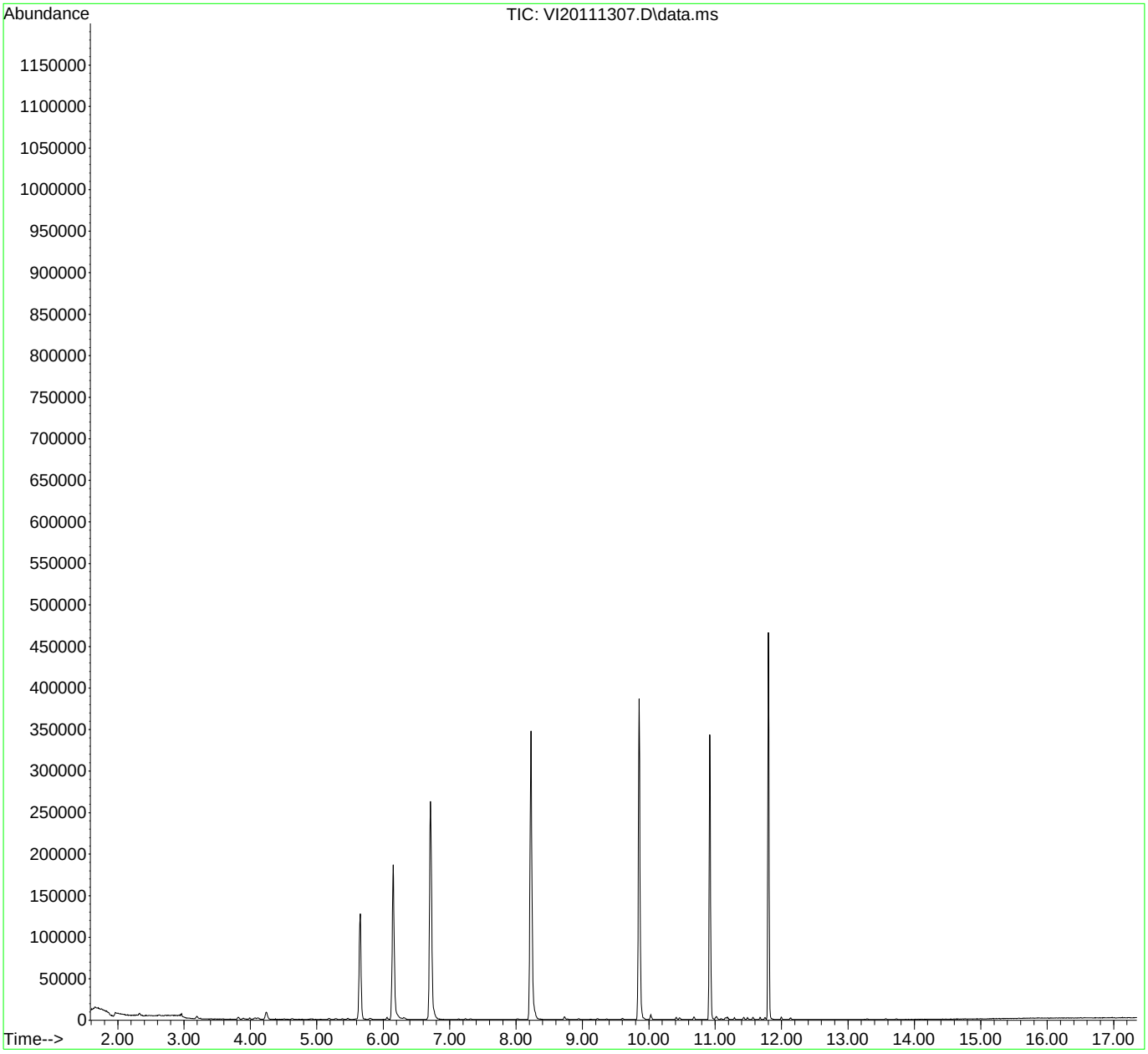
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111307.D
Acq On : 13 Nov 2020 9:40 pm
Operator : TNL
Sample : 0K13048-CAL3
Misc : 1X 5mL 0.4 PPB VOCR0
ALS Vial : 7 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 15:23:12 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:20:14 2020
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111307.D
Acq On : 13 Nov 2020 9:40 pm
Operator : TNL
Sample : 0K13048-CAL3
Misc : 1X 5mL 0.4 PPB VOCR0
ALS Vial : 7 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

11/15/20 TNL

Quant Time: Nov 14 15:24:28 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:20:14 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.150	99	83476	50.00	ug/L	#	0.00
45) Chlorobenzene-d5 (I)	9.855	117	220016	50.00	ug/L		0.00
66) 1,4-Dichlorobenzene-d4...	11.802	152	102923	50.00	ug/L		0.00
System Monitoring Compounds							
32) Dibromofluoromethane (S)	5.651	111	83858	52.21	ug/L		0.00
39) 1,4-Difluorobenzene (S)	6.710	114	265490	51.57	ug/L		0.00
48) Toluene-d8 (S)	8.224	98	287550	48.92	ug/L		0.00
67) 4-Bromofluorobenzene (S)	10.919	174	86936	50.39	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.660	85	526	0.33	ug/L	#	49
3) Chloromethane	1.867	50	1210	0.73	ug/L		90
4) Vinyl Chloride	1.964	62	714	0.40	ug/L		70
5) Bromomethane	2.329	96	954	0.76	ug/L		81
6) Chloroethane	2.475	64	650	Below Cal		#	51
7) Trichlorofluoromethane	2.634	101	674	0.32	ug/L		92
8) Ethanol	3.187	45	1326	34.73	ug/L		87
9) 1,1-Dichloroethene	3.187	61	976	0.49	ug/L		87
10) Carbon Disulfide	3.205	76	1627	0.44	ug/L		78
11) Freon 113	3.242	101	392	0.32	ug/L	#	63
12) Iodomethane	0.000		0	N.D.			
13) Acrolein	0.000		0	N.D.			
14) Methylene Chloride	3.820	84	1056	0.64	ug/L		94
15) Acetone	3.893	43	2058	2.15	ug/L		89
16) t-1,2-Dichloroethene	3.990	61	818	0.42	ug/L		98
17) n-Hexane	0.000		0	N.D.			
18) Methyl-tert-butyl-ether	4.112	73	1918	0.48	ug/L		83
19) tert-Butanol (TBA)	4.240	59	11587	39.78	ug/L		87
20) Diisopropyl ether (DIPE)	4.507	45	349	0.08	ug/L		62
21) 1,1-Dichloroethane	4.623	63	1116	0.42	ug/L		90
22) Acrylonitrile	0.000		0	N.D.			
23) Ethyl-tert-butyl ether...	0.000		0	N.D.			
24) Vinyl Acetate	0.000		0	N.D.	d		
25) c-1,2-Dichloroethene	5.183	61	848	0.42	ug/L		84

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111307.D
Acq On : 13 Nov 2020 9:40 pm
Operator : TNL
Sample : 0K13048-CAL3
Misc : 1X 5mL 0.4 PPB VOCR0
ALS Vial : 7 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 15:24:28 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:20:14 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) 2,2-Dichloropropane	5.292	77	794	0.81	ug/L		87
27) Bromochloromethane	5.383	130	358	0.36	ug/L		98
28) Chloroform	5.462	83	1074	0.42	ug/L		89
29) Carbon Tetrachloride	5.590	117	614	0.54	ug/L		80
30) Tetrahydrofuran	5.645	42	347	0.36	ug/L	#	69
31) 1,1,1-Trichloroethane	5.669	97	885	0.48	ug/L		95
33) 1,1-Dichloropropene	5.809	75	763	0.40	ug/L	#	43
34) 2-Butanone (MEK)	0.000		0	N.D.	d		
35) Benzene	6.059	78	2587	0.43	ug/L		97
36) tert-Amyl methyl ether...	6.174	73	280	0.08	ug/L	#	1
37) 1,2-Dichloroethane (EDC)	6.278	62	745	0.36	ug/L		83
38) iso-Butyl Alcohol	6.314	43	1666	23.84	ug/L		92
40) Trichloroethene (TCE)	6.679	130	694	0.45	ug/L		93
41) Tert-Amyl-Ethyl-Ether ...	0.000		0	N.D.			
42) Dibromomethane	7.135	93	287	0.29	ug/L		91
43) 1,2-Dichloropropane	0.000		0	N.D.	d		
44) Bromodichloromethane	7.312	83	666	0.38	ug/L		88
46) 2-Chloroethyl Vinyl Ether	0.000		0	N.D.			
47) c-1,3-Dichloropropene	8.024	75	702	0.38	ug/L	#	79
49) Toluene	8.285	91	2615	0.42	ug/L		91
50) Tetrachloroethene (PCE)	8.729	166	529	0.35	ug/L	#	68
51) 4-Methyl-2-Pentanone (...	8.735	43	1736	0.74	ug/L		88
52) t-1,3-Dichloropropene	0.000		0	N.D.	d		
53) 1,1,2-Trichloroethane	8.942	97	441	0.31	ug/L		97
54) Dibromochloromethane	9.125	129	376	0.33	ug/L		85
55) 1,3-Dichloropropane	9.222	76	803	0.34	ug/L	#	65
56) 1,2-Dibromoethane (EDB)	9.362	107	398	0.28	ug/L		92
57) 2-Hexanone	9.599	43	1103	0.66	ug/L		89
58) Chlorobenzene	9.873	112	1541	0.40	ug/L		70
59) Ethylbenzene	9.897	91	2668	0.42	ug/L		98
60) 1,1,1,2-Tetrachloroethane	9.928	131	360	0.67	ug/L	#	70
61) m,p-Xylenes (2)	10.031	91	3762	0.79	ug/L		99
62) o-Xylene	10.414	91	1838	0.39	ug/L		98
63) Styrene	10.463	104	1190	0.32	ug/L		89
64) Bromoform	0.000		0	N.D.	d		
65) Isopropylbenzene	10.676	105	2190	0.40	ug/L		95

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111307.D
Acq On : 13 Nov 2020 9:40 pm
Operator : TNL
Sample : 0K13048-CAL3
Misc : 1X 5mL 0.4 PPB VOCR0
ALS Vial : 7 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 15:24:28 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:20:14 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) Bromobenzene	11.005	156	556	0.36	ug/L #	67
69) n-Propylbenzene	11.023	91	2565	0.39	ug/L	98
70) 1,1,2,2-Tetrachloroethane	11.090	85	426	0.32	ug/L	93
71) 2-Chlorotoluene	11.157	126	509	0.39	ug/L #	80
72) 1,3,5-Trimethylbenzene	11.175	105	1625	0.38	ug/L	88
73) 1,2,3-Trichloropropane	11.199	110	130	0.19	ug/L	97
74) t-1,4-Dichloro-2-butene	0.000		0	N.D.		
75) 4-Chlorotoluene	11.284	91	1525	0.38	ug/L	92
76) tert-Butylbenzene	11.430	91	1002	0.42	ug/L	90
77) 1,2,4-Trimethylbenzene	11.491	105	1531	0.36	ug/L	86
78) sec-Butylbenzene	11.570	105	2180	0.42	ug/L	97
79) 4-Isopropyltoluene	11.674	119	1687	0.39	ug/L	95
80) 1,3-Dichlorobenzene	11.747	146	1052	0.41	ug/L	99
81) 1,4-Dichlorobenzene	11.814	146	1175	0.40	ug/L #	71
82) n-Butylbenzene	11.996	91	1317	0.37	ug/L	96
83) 1,2-Dichlorobenzene	12.136	146	991	0.39	ug/L	96
84) 1,2-Dibromo-3-Chloropr...	0.000		0	N.D.		
85) Hexachlorobutadiene	0.000		0	N.D.		
86) 1,2,4-Trichlorobenzene	13.292	180	431	0.34	ug/L	89
87) Naphthalene	13.566	128	1202	0.41	ug/L	81
88) 1,2,3-Trichlorobenzene	13.730	180	413	0.31	ug/L	84

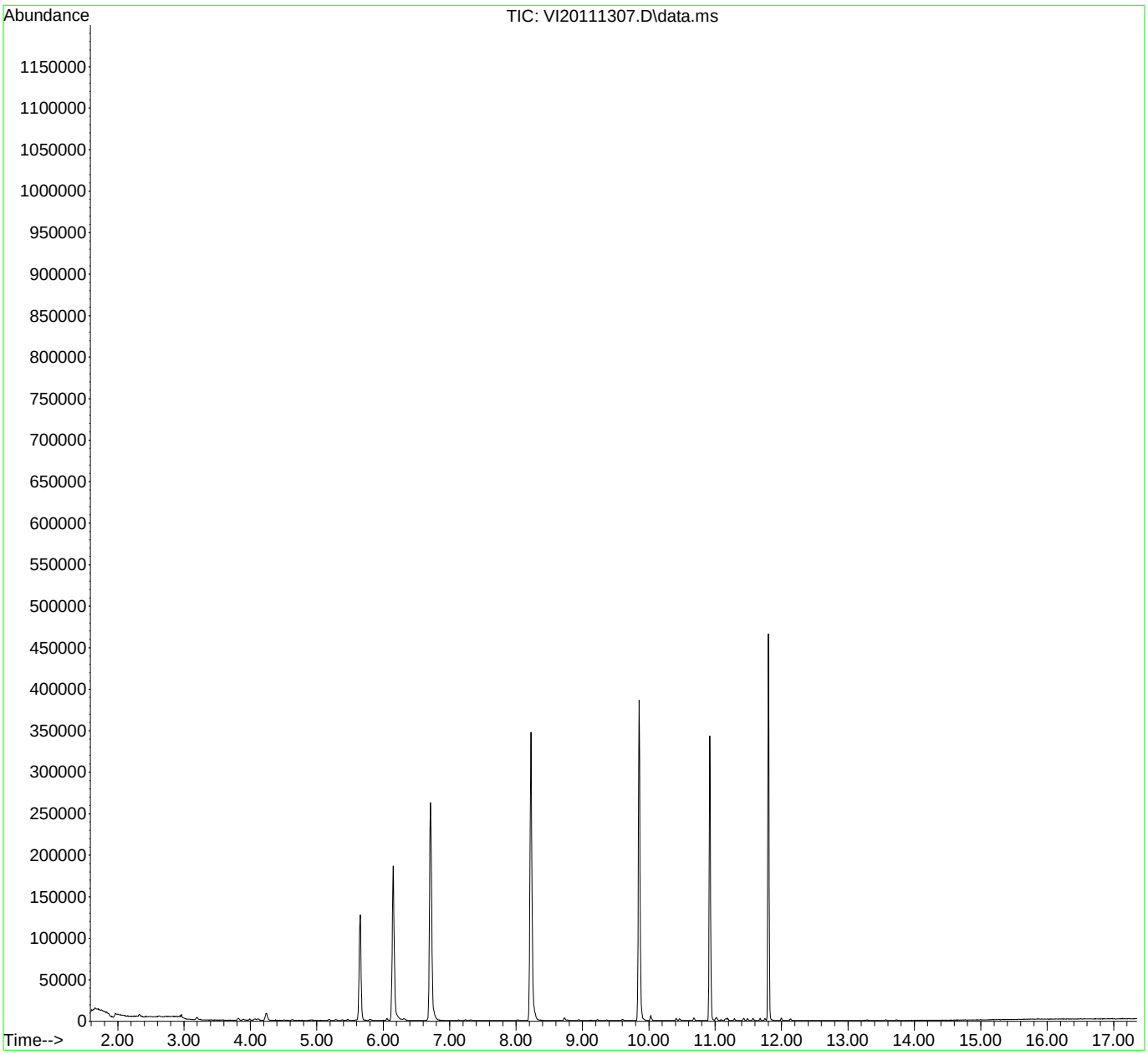
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111307.D
Acq On : 13 Nov 2020 9:40 pm
Operator : TNL
Sample : 0K13048-CAL3
Misc : 1X 5mL 0.4 PPB VOCR0
ALS Vial : 7 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 15:24:28 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:20:14 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111308.D
Acq On : 13 Nov 2020 10:07 pm
Operator : TNL
Sample : 0K13048-CAL4
Misc : 1X 5mL 1 PPB VOCR0
ALS Vial : 8 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

11/15/20 TNL

Quant Time: Nov 14 15:25:04 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:20:14 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.150	99	87667	50.00	ug/L	#	0.00
45) Chlorobenzene-d5 (I)	9.855	117	227636	50.00	ug/L		0.00
66) 1,4-Dichlorobenzene-d4...	11.801	152	95986	50.00	ug/L		0.00
System Monitoring Compounds							
32) Dibromofluoromethane (S)	5.651	111	81891	48.54	ug/L		0.00
39) 1,4-Difluorobenzene (S)	6.716	114	270997	50.12	ug/L		0.00
48) Toluene-d8 (S)	8.224	98	304086	50.00	ug/L		0.00
67) 4-Bromofluorobenzene (S)	10.919	174	86991	54.07	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.660	85	1234	0.74	ug/L		92
3) Chloromethane	1.873	50	1713	0.98	ug/L		93
4) Vinyl Chloride	1.970	62	1783	0.95	ug/L		83
5) Bromomethane	2.329	96	1405	1.07	ug/L		92
6) Chloroethane	2.475	64	898	0.02	ug/L	#	67
7) Trichlorofluoromethane	2.634	101	1643	0.75	ug/L		94
8) Ethanol	3.187	45	2854	71.17	ug/L		88
9) 1,1-Dichloroethene	3.187	61	2244	1.07	ug/L		95
10) Carbon Disulfide	3.211	76	3912	1.02	ug/L		93
11) Freon 113	3.242	101	1263	0.99	ug/L		95
12) Iodomethane	0.000		0	N.D.			
13) Acrolein	3.570	56	291	0.73	ug/L		60
14) Methylene Chloride	3.820	84	2501	1.45	ug/L		95
15) Acetone	3.893	43	2873	2.86	ug/L		100
16) t-1,2-Dichloroethene	3.990	61	2022	1.00	ug/L		99
17) n-Hexane	0.000		0	N.D.			
18) Methyl-tert-butyl-ether	4.118	73	4958	1.18	ug/L		87
19) tert-Butanol (TBA)	4.240	59	27302	82.53	ug/L		85
20) Diisopropyl ether (DIPE)	4.507	45	1099	0.24	ug/L		76
21) 1,1-Dichloroethane	4.629	63	2812	1.01	ug/L		98
22) Acrylonitrile	4.708	53	646	0.67	ug/L		95
23) Ethyl-tert-butyl ether...	4.878	59	918	0.23	ug/L		84
24) Vinyl Acetate	4.909	43	2985	1.12	ug/L		74
25) c-1,2-Dichloroethene	5.183	61	1990	0.95	ug/L		97

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111308.D
Acq On : 13 Nov 2020 10:07 pm
Operator : TNL
Sample : 0K13048-CAL4
Misc : 1X 5mL 1 PPB VOCR0
ALS Vial : 8 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 15:25:04 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:20:14 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) 2,2-Dichloropropane	5.292	77	1833	1.78	ug/L		96
27) Bromochloromethane	5.383	130	865	0.83	ug/L		84
28) Chloroform	5.468	83	2721	1.01	ug/L		98
29) Carbon Tetrachloride	5.602	117	1631	1.38	ug/L		99
30) Tetrahydrofuran	5.645	42	920	0.91	ug/L		94
31) 1,1,1-Trichloroethane	5.669	97	2268	1.17	ug/L		94
33) 1,1-Dichloropropene	5.797	75	1943	0.97	ug/L		97
34) 2-Butanone (MEK)	5.803	43	2625	1.79	ug/L		90
35) Benzene	6.059	78	6244	1.00	ug/L		98
36) tert-Amyl methyl ether...	6.180	73	1107	0.32	ug/L		59
37) 1,2-Dichloroethane (EDC)	6.278	62	2011	0.92	ug/L		79
38) iso-Butyl Alcohol	6.314	43	4126	40.05	ug/L		93
40) Trichloroethene (TCE)	6.679	130	1591	0.97	ug/L		96
41) Tert-Amyl-Ethyl-Ether ...	6.929	59	535	0.27	ug/L	#	52
42) Dibromomethane	7.135	93	894	0.86	ug/L		92
43) 1,2-Dichloropropane	7.245	63	1509	0.93	ug/L		89
44) Bromodichloromethane	7.318	83	1825	0.99	ug/L		94
46) 2-Chloroethyl Vinyl Ether	7.957	63	261	0.33	ug/L		100
47) c-1,3-Dichloropropene	8.024	75	1871	0.97	ug/L		95
49) Toluene	8.285	91	6642	1.04	ug/L		99
50) Tetrachloroethene (PCE)	8.729	166	1611	1.04	ug/L		86
51) 4-Methyl-2-Pentanone (...	8.735	43	4633	1.90	ug/L		97
52) t-1,3-Dichloropropene	8.778	75	1475	1.51	ug/L		95
53) 1,1,2-Trichloroethane	8.942	97	1397	0.95	ug/L		94
54) Dibromochloromethane	9.125	129	1165	0.99	ug/L		98
55) 1,3-Dichloropropane	9.228	76	2336	0.95	ug/L		96
56) 1,2-Dibromoethane (EDB)	9.362	107	1249	0.84	ug/L		89
57) 2-Hexanone	9.599	43	3224	1.86	ug/L		97
58) Chlorobenzene	9.873	112	3994	1.00	ug/L		93
59) Ethylbenzene	9.897	91	6917	1.05	ug/L		97
60) 1,1,1,2-Tetrachloroethane	9.934	131	1061	1.31	ug/L		87
61) m,p-Xylenes (2)	10.031	91	9194	1.86	ug/L		99
62) o-Xylene	10.414	91	4842	0.99	ug/L		96
63) Styrene	10.463	104	3220	0.84	ug/L		91
64) Bromoform	10.487	173	783	1.58	ug/L		81
65) Isopropylbenzene	10.676	105	5494	0.97	ug/L		97

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111308.D
Acq On : 13 Nov 2020 10:07 pm
Operator : TNL
Sample : 0K13048-CAL4
Misc : 1X 5mL 1 PPB VOCR0
ALS Vial : 8 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 15:25:04 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:20:14 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) Bromobenzene	11.005	156	1486	1.03	ug/L	82
69) n-Propylbenzene	11.023	91	5883	0.96	ug/L	99
70) 1,1,2,2-Tetrachloroethane	11.090	85	1210	0.98	ug/L	90
71) 2-Chlorotoluene	11.157	126	1266	1.04	ug/L	97
72) 1,3,5-Trimethylbenzene	11.175	105	3826	0.95	ug/L	93
73) 1,2,3-Trichloropropane	11.199	110	604	0.95	ug/L	94
74) t-1,4-Dichloro-2-butene	11.236	53	269	0.74	ug/L #	33
75) 4-Chlorotoluene	11.290	91	3810	1.03	ug/L	99
76) tert-Butylbenzene	11.430	91	2356	1.05	ug/L	94
77) 1,2,4-Trimethylbenzene	11.485	105	3690	0.93	ug/L	98
78) sec-Butylbenzene	11.570	105	4676	0.96	ug/L	98
79) 4-Isopropyltoluene	11.674	119	3584	0.90	ug/L	98
80) 1,3-Dichlorobenzene	11.747	146	2333	0.96	ug/L	95
81) 1,4-Dichlorobenzene	11.814	146	2657	0.97	ug/L	81
82) n-Butylbenzene	11.996	91	2668	0.81	ug/L	95
83) 1,2-Dichlorobenzene	12.130	146	2238	0.94	ug/L	97
84) 1,2-Dibromo-3-Chloropr...	12.744	157	289	1.52	ug/L #	66
85) Hexachlorobutadiene	13.243	223	197	0.56	ug/L #	75
86) 1,2,4-Trichlorobenzene	13.286	180	837	0.71	ug/L	92
87) Naphthalene	13.566	128	2796	0.81	ug/L	81
88) 1,2,3-Trichlorobenzene	13.724	180	898	0.73	ug/L	97

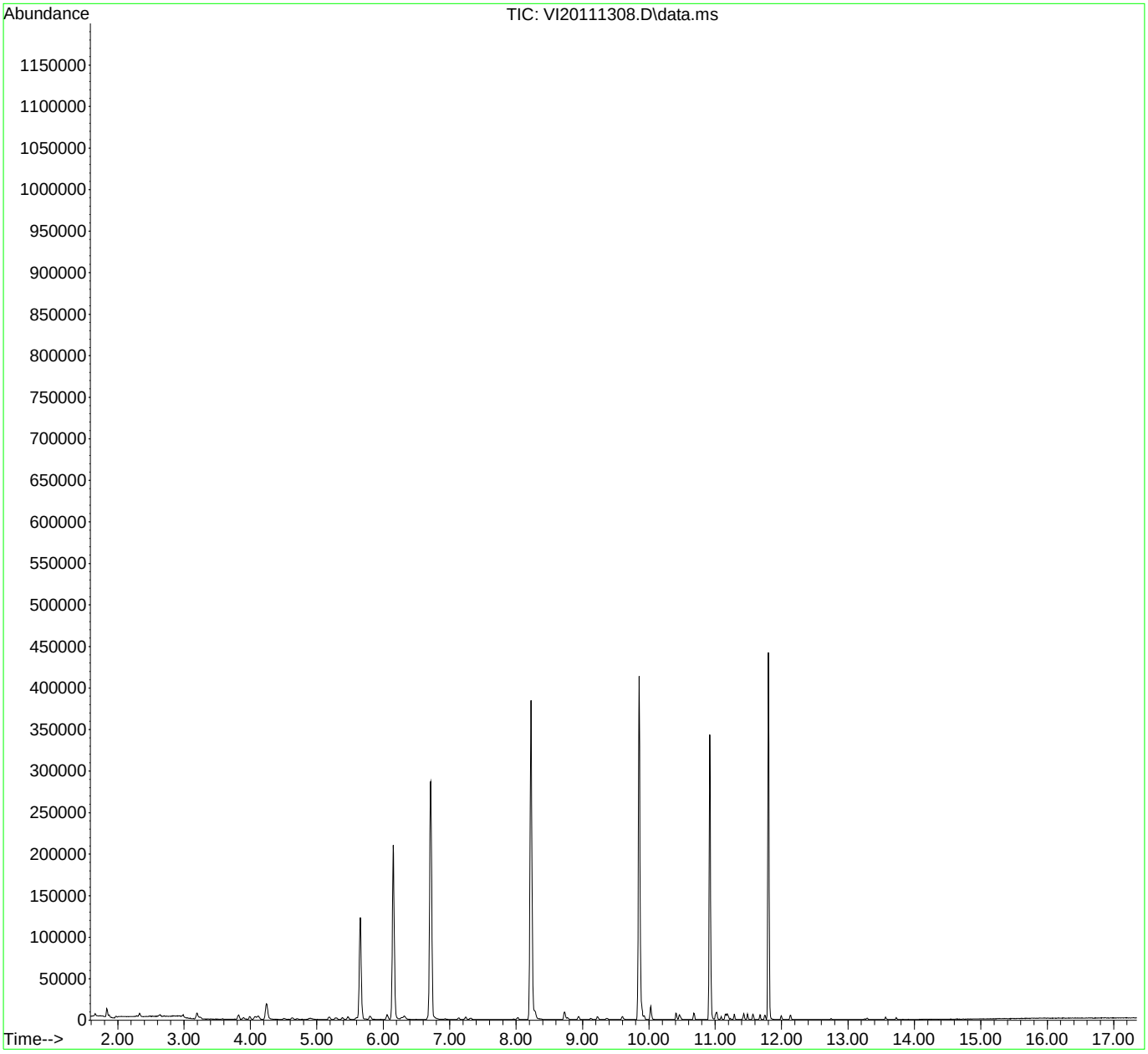
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111308.D
Acq On : 13 Nov 2020 10:07 pm
Operator : TNL
Sample : 0K13048-CAL4
Misc : 1X 5mL 1 PPB VOCR0
ALS Vial : 8 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 15:25:04 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:20:14 2020
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111308.D
Acq On : 13 Nov 2020 10:07 pm
Operator : TNL
Sample : 0K13048-CAL4 11/15/20 TNL
Misc : 1X 5mL 1 PPB VOCR0
ALS Vial : 8 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 15:25:31 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:20:14 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.150	99	87667	50.00	ug/L	#	0.00
45) Chlorobenzene-d5 (I)	9.855	117	227636	50.00	ug/L		0.00
66) 1,4-Dichlorobenzene-d4...	11.801	152	95986	50.00	ug/L		0.00
System Monitoring Compounds							
32) Dibromofluoromethane (S)	5.651	111	81891	48.54	ug/L		0.00
39) 1,4-Difluorobenzene (S)	6.716	114	270997	50.12	ug/L		0.00
48) Toluene-d8 (S)	8.224	98	304086	50.00	ug/L		0.00
67) 4-Bromofluorobenzene (S)	10.919	174	86991	54.07	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.660	85	1234	0.74	ug/L		92
3) Chloromethane	1.873	50	1713	0.98	ug/L		93
4) Vinyl Chloride	1.970	62	1783	0.95	ug/L		83
5) Bromomethane	2.329	96	1405	1.07	ug/L		92
6) Chloroethane	2.475	64	898	0.02	ug/L	#	67
7) Trichlorofluoromethane	2.634	101	1643	0.75	ug/L		94
8) Ethanol	3.187	45	2854	71.17	ug/L		88
9) 1,1-Dichloroethene	3.187	61	2244	1.07	ug/L		95
10) Carbon Disulfide	3.211	76	3912	1.02	ug/L		93
11) Freon 113	3.242	101	1263	0.99	ug/L		95
12) Iodomethane	0.000		0	N.D.			
13) Acrolein	3.570	56	291	0.73	ug/L		60
14) Methylene Chloride	3.820	84	2501	1.45	ug/L		95
15) Acetone	3.893	43	2873	2.86	ug/L		100
16) t-1,2-Dichloroethene	3.990	61	2022	1.00	ug/L		99
17) n-Hexane	4.075		0	N.D.			
18) Methyl-tert-butyl-ether	4.118	73	4958	1.18	ug/L		87
19) tert-Butanol (TBA)	4.240	59	27302	82.53	ug/L		85
20) Diisopropyl ether (DIPE)	4.507	45	1099	0.24	ug/L		76
21) 1,1-Dichloroethane	4.629	63	2812	1.01	ug/L		98
22) Acrylonitrile	4.708	53	646	0.67	ug/L		95
23) Ethyl-tert-butyl ether...	4.878	59	918	0.23	ug/L		84
24) Vinyl Acetate	4.909	43	2985	1.12	ug/L		74
25) c-1,2-Dichloroethene	5.183	61	1990	0.95	ug/L		97

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111308.D
Acq On : 13 Nov 2020 10:07 pm
Operator : TNL
Sample : 0K13048-CAL4
Misc : 1X 5mL 1 PPB VOCR0
ALS Vial : 8 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 15:25:31 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:20:14 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) 2,2-Dichloropropane	5.292	77	1833	1.78	ug/L		96
27) Bromochloromethane	5.383	130	865	0.83	ug/L		84
28) Chloroform	5.468	83	2721	1.01	ug/L		98
29) Carbon Tetrachloride	5.602	117	1631	1.38	ug/L		99
30) Tetrahydrofuran	5.645	42	920	0.91	ug/L		94
31) 1,1,1-Trichloroethane	5.669	97	2268	1.17	ug/L		94
33) 1,1-Dichloropropene	5.797	75	1943	0.97	ug/L		97
34) 2-Butanone (MEK)	5.803	43	2625	1.79	ug/L		90
35) Benzene	6.059	78	6244	1.00	ug/L		98
36) tert-Amyl methyl ether...	6.180	73	1107	0.32	ug/L		59
37) 1,2-Dichloroethane (EDC)	6.278	62	2011	0.92	ug/L		79
38) iso-Butyl Alcohol	6.314	43	4126	40.05	ug/L		93
40) Trichloroethene (TCE)	6.679	130	1591	0.97	ug/L		96
41) Tert-Amyl-Ethyl-Ether ...	6.929	59	535	0.27	ug/L	#	52
42) Dibromomethane	7.135	93	894	0.86	ug/L		92
43) 1,2-Dichloropropane	7.245	63	1509	0.93	ug/L		89
44) Bromodichloromethane	7.318	83	1825	0.99	ug/L		94
46) 2-Chloroethyl Vinyl Ether	7.957	63	261	0.33	ug/L		100
47) c-1,3-Dichloropropene	8.024	75	1871	0.97	ug/L		95
49) Toluene	8.285	91	6642	1.04	ug/L		99
50) Tetrachloroethene (PCE)	8.729	166	1611	1.04	ug/L		86
51) 4-Methyl-2-Pentanone (...	8.735	43	4633	1.90	ug/L		97
52) t-1,3-Dichloropropene	8.778	75	1475	1.51	ug/L		95
53) 1,1,2-Trichloroethane	8.942	97	1397	0.95	ug/L		94
54) Dibromochloromethane	9.125	129	1165	0.99	ug/L		98
55) 1,3-Dichloropropane	9.228	76	2336	0.95	ug/L		96
56) 1,2-Dibromoethane (EDB)	9.362	107	1249	0.84	ug/L		89
57) 2-Hexanone	9.599	43	3224	1.86	ug/L		97
58) Chlorobenzene	9.873	112	3994	1.00	ug/L		93
59) Ethylbenzene	9.897	91	6917	1.05	ug/L		97
60) 1,1,1,2-Tetrachloroethane	9.934	131	1061	1.31	ug/L		87
61) m,p-Xylenes (2)	10.031	91	9194	1.86	ug/L		99
62) o-Xylene	10.414	91	4842	0.99	ug/L		96
63) Styrene	10.463	104	3220	0.84	ug/L		91
64) Bromoform	10.487	173	783	1.58	ug/L		81
65) Isopropylbenzene	10.676	105	5494	0.97	ug/L		97

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111308.D
Acq On : 13 Nov 2020 10:07 pm
Operator : TNL
Sample : 0K13048-CAL4
Misc : 1X 5mL 1 PPB VOCR0
ALS Vial : 8 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 15:25:31 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:20:14 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
68) Bromobenzene	11.005	156	1486	1.03	ug/L		82
69) n-Propylbenzene	11.023	91	5883	0.96	ug/L		99
70) 1,1,2,2-Tetrachloroethane	11.090	85	1210	0.98	ug/L		90
71) 2-Chlorotoluene	11.157	126	1266	1.04	ug/L		97
72) 1,3,5-Trimethylbenzene	11.175	105	3826	0.95	ug/L		93
73) 1,2,3-Trichloropropane	11.199	110	604	0.95	ug/L		94
74) t-1,4-Dichloro-2-butene	11.236	53	269	0.74	ug/L	#	33
75) 4-Chlorotoluene	11.290	91	3810	1.03	ug/L		99
76) tert-Butylbenzene	11.430	91	2356	1.05	ug/L		94
77) 1,2,4-Trimethylbenzene	11.485	105	3690	0.93	ug/L		98
78) sec-Butylbenzene	11.570	105	4676	0.96	ug/L		98
79) 4-Isopropyltoluene	11.674	119	3584	0.90	ug/L		98
80) 1,3-Dichlorobenzene	11.747	146	2333	0.96	ug/L		95
81) 1,4-Dichlorobenzene	11.814	146	2657	0.97	ug/L		81
82) n-Butylbenzene	11.996	91	2668	0.81	ug/L		95
83) 1,2-Dichlorobenzene	12.130	146	2238	0.94	ug/L		97
84) 1,2-Dibromo-3-Chloropr...	12.744	157	289	1.52	ug/L	#	66
85) Hexachlorobutadiene	13.243	223	197	0.56	ug/L	#	75
86) 1,2,4-Trichlorobenzene	13.286	180	837	0.71	ug/L		92
87) Naphthalene	13.566	128	2796	0.81	ug/L		81
88) 1,2,3-Trichlorobenzene	13.724	180	898	0.73	ug/L		97

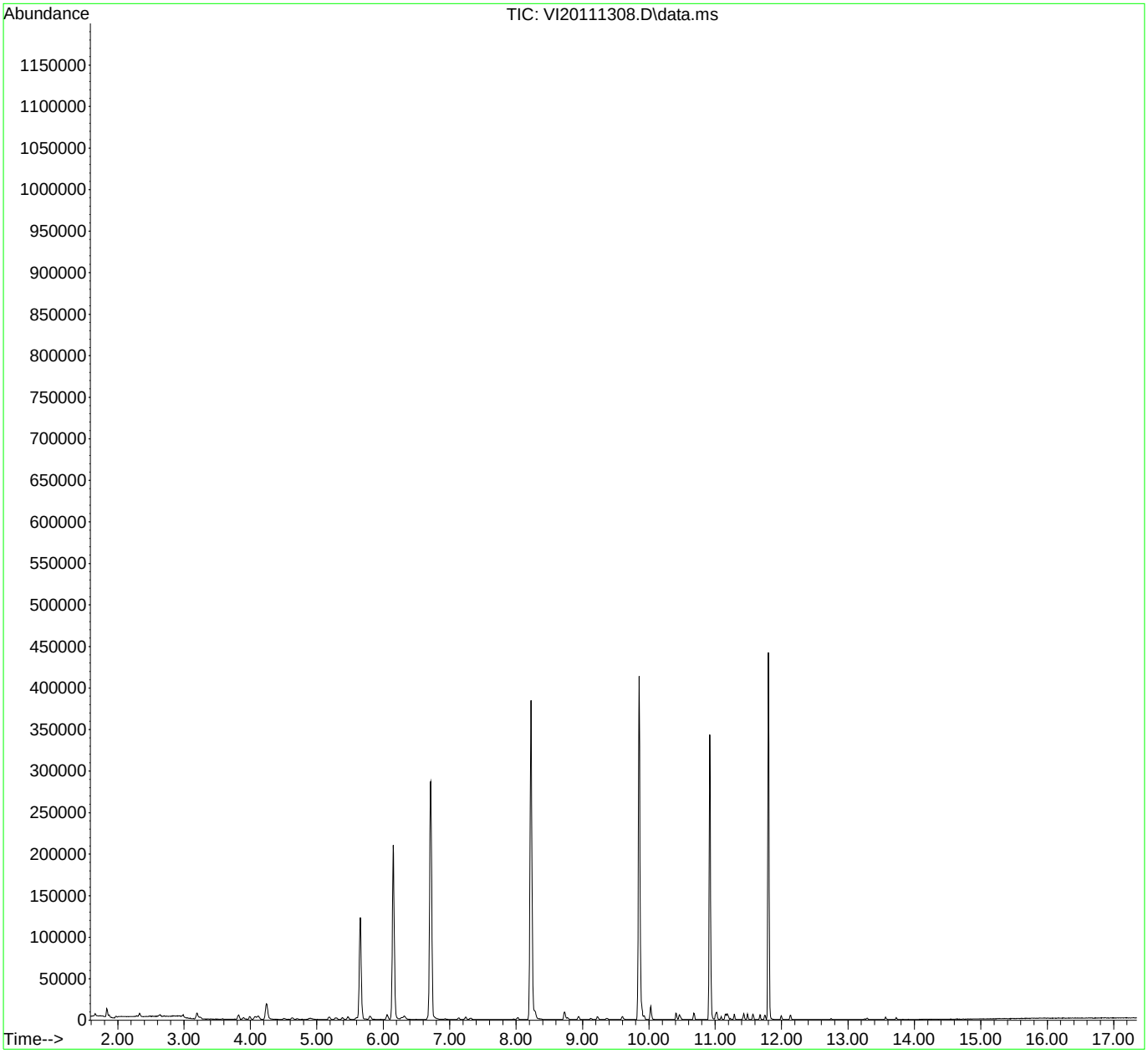
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111308.D
Acq On : 13 Nov 2020 10:07 pm
Operator : TNL
Sample : 0K13048-CAL4
Misc : 1X 5mL 1 PPB VOCR0
ALS Vial : 8 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 15:25:31 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:20:14 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111309.D
Acq On : 13 Nov 2020 10:34 pm
Operator : TNL
Sample : 0K13048-CAL5
Misc : 1X 5mL 2 PPB VOCR0
ALS Vial : 9 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

11/15/20 TNL

Quant Time: Nov 14 15:29:11 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:20:14 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (I)	6.150	99	87949	50.00	ug/L	# 0.00
45) Chlorobenzene-d5 (I)	9.855	117	231620	50.00	ug/L	0.00
66) 1,4-Dichlorobenzene-d4...	11.802	152	100182	50.00	ug/L	0.00
System Monitoring Compounds						
32) Dibromofluoromethane (S)	5.651	111	83319	49.23	ug/L	0.00
39) 1,4-Difluorobenzene (S)	6.710	114	275806	50.85	ug/L	0.00
48) Toluene-d8 (S)	8.225	98	308715	49.89	ug/L	0.00
67) 4-Bromofluorobenzene (S)	10.920	174	90440	53.86	ug/L	0.00
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.654	85	2539	1.52	ug/L	98
3) Chloromethane	1.867	50	3370	1.93	ug/L	97
4) Vinyl Chloride	1.971	62	3615	1.93	ug/L	92
5) Bromomethane	2.323	96	2794	2.13	ug/L	98
6) Chloroethane	2.476	64	1704	1.38	ug/L	83
7) Trichlorofluoromethane	2.628	101	3566	1.62	ug/L	97
8) Ethanol	3.187	45	6121	152.15	ug/L	87
9) 1,1-Dichloroethene	3.187	61	4553	2.16	ug/L	96
10) Carbon Disulfide	3.206	76	8210	2.13	ug/L	98
11) Freon 113	3.242	101	2770	2.16	ug/L	99
12) Iodomethane	0.000		0	N.D.		
13) Acrolein	3.577	56	811	2.03	ug/L	69
14) Methylene Chloride	3.820	84	4055	2.35	ug/L	97
15) Acetone	3.887	43	4855	4.82	ug/L	94
16) t-1,2-Dichloroethene	3.984	61	4354	2.14	ug/L	94
17) n-Hexane	4.063	86	441	1.65	ug/L	89
18) Methyl-tert-butyl-ether	4.112	73	10425	2.47	ug/L	95
19) tert-Butanol (TBA)	4.240	59	59784	173.38	ug/L	84
20) Diisopropyl ether (DIPE)	4.507	45	2446	0.52	ug/L	88
21) 1,1-Dichloroethane	4.623	63	6046	2.17	ug/L	94
22) Acrylonitrile	4.696	53	1564	1.61	ug/L	95
23) Ethyl-tert-butyl ether...	4.879	59	2333	0.58	ug/L	87
24) Vinyl Acetate	4.903	43	7013	2.61	ug/L	97
25) c-1,2-Dichloroethene	5.183	61	4381	2.08	ug/L	96

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111309.D
Acq On : 13 Nov 2020 10:34 pm
Operator : TNL
Sample : 0K13048-CAL5
Misc : 1X 5mL 2 PPB VOCR0
ALS Vial : 9 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 15:29:11 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:20:14 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) 2,2-Dichloropropane	5.292	77	3769	3.64	ug/L		91
27) Bromochloromethane	5.383	130	2106	2.02	ug/L		97
28) Chloroform	5.469	83	5873	2.17	ug/L		96
29) Carbon Tetrachloride	5.596	117	3511	2.95	ug/L		99
30) Tetrahydrofuran	5.645	42	1937	1.91	ug/L		90
31) 1,1,1-Trichloroethane	5.669	97	4853	2.51	ug/L		97
33) 1,1-Dichloropropene	5.803	75	4288	2.13	ug/L		96
34) 2-Butanone (MEK)	5.797	43	5611	3.81	ug/L		97
35) Benzene	6.059	78	13329	2.12	ug/L		98
36) tert-Amyl methyl ether...	6.180	73	2323	0.67	ug/L		83
37) 1,2-Dichloroethane (EDC)	6.272	62	4465	2.03	ug/L		94
38) iso-Butyl Alcohol	6.314	43	8774	71.49	ug/L		95
40) Trichloroethene (TCE)	6.679	130	3497	2.13	ug/L		94
41) Tert-Amyl-Ethyl-Ether ...	6.929	59	1423	0.72	ug/L		90
42) Dibromomethane	7.136	93	2102	2.02	ug/L		98
43) 1,2-Dichloropropane	7.239	63	3271	2.01	ug/L		95
44) Bromodichloromethane	7.312	83	4019	2.17	ug/L		95
46) 2-Chloroethyl Vinyl Ether	7.957	63	898	1.12	ug/L	#	100
47) c-1,3-Dichloropropene	8.018	75	4019	2.04	ug/L		95
49) Toluene	8.285	91	13315	2.05	ug/L		99
50) Tetrachloroethene (PCE)	8.723	166	3429	2.17	ug/L		94
51) 4-Methyl-2-Pentanone (...	8.729	43	10227	4.12	ug/L		98
52) t-1,3-Dichloropropene	8.772	75	3290	2.63	ug/L		96
53) 1,1,2-Trichloroethane	8.942	97	2989	2.00	ug/L		91
54) Dibromochloromethane	9.125	129	2625	2.19	ug/L		98
55) 1,3-Dichloropropane	9.222	76	5056	2.03	ug/L		100
56) 1,2-Dibromoethane (EDB)	9.368	107	2931	1.93	ug/L		96
57) 2-Hexanone	9.593	43	6945	3.93	ug/L		93
58) Chlorobenzene	9.867	112	8553	2.11	ug/L		89
59) Ethylbenzene	9.891	91	14343	2.14	ug/L		99
60) 1,1,1,2-Tetrachloroethane	9.928	131	2512	2.63	ug/L		90
61) m,p-Xylenes (2)	10.031	91	19803	3.95	ug/L		97
62) o-Xylene	10.409	91	10042	2.03	ug/L		98
63) Styrene	10.457	104	7333	1.88	ug/L		96
64) Bromoform	10.482	173	1672	2.51	ug/L		92
65) Isopropylbenzene	10.676	105	11977	2.08	ug/L		99

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111309.D
Acq On : 13 Nov 2020 10:34 pm
Operator : TNL
Sample : 0K13048-CAL5
Misc : 1X 5mL 2 PPB VOCR0
ALS Vial : 9 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 15:29:11 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:20:14 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
68) Bromobenzene	11.005	156	3399	2.26	ug/L		92
69) n-Propylbenzene	11.023	91	12953	2.03	ug/L		99
70) 1,1,2,2-Tetrachloroethane	11.090	85	2677	2.08	ug/L		89
71) 2-Chlorotoluene	11.151	126	2789	2.20	ug/L		95
72) 1,3,5-Trimethylbenzene	11.175	105	8607	2.06	ug/L		96
73) 1,2,3-Trichloropropane	11.199	110	1363	2.06	ug/L		88
74) t-1,4-Dichloro-2-butene	11.230	53	758	1.99	ug/L	#	59
75) 4-Chlorotoluene	11.285	91	8140	2.10	ug/L		93
76) tert-Butylbenzene	11.431	91	5223	2.23	ug/L		92
77) 1,2,4-Trimethylbenzene	11.485	105	8025	1.94	ug/L		92
78) sec-Butylbenzene	11.570	105	10535	2.07	ug/L		98
79) 4-Isopropyltoluene	11.674	119	8044	1.93	ug/L		97
80) 1,3-Dichlorobenzene	11.747	146	5318	2.11	ug/L		99
81) 1,4-Dichlorobenzene	11.814	146	5480	1.93	ug/L		92
82) n-Butylbenzene	11.996	91	6343	1.84	ug/L		98
83) 1,2-Dichlorobenzene	12.130	146	5029	2.02	ug/L		94
84) 1,2-Dibromo-3-Chloropr...	12.745	157	761	2.61	ug/L		83
85) Hexachlorobutadiene	13.243	223	560	1.52	ug/L		95
86) 1,2,4-Trichlorobenzene	13.286	180	2044	1.66	ug/L		95
87) Naphthalene	13.566	128	6236	1.58	ug/L		97
88) 1,2,3-Trichlorobenzene	13.724	180	1910	1.49	ug/L		91

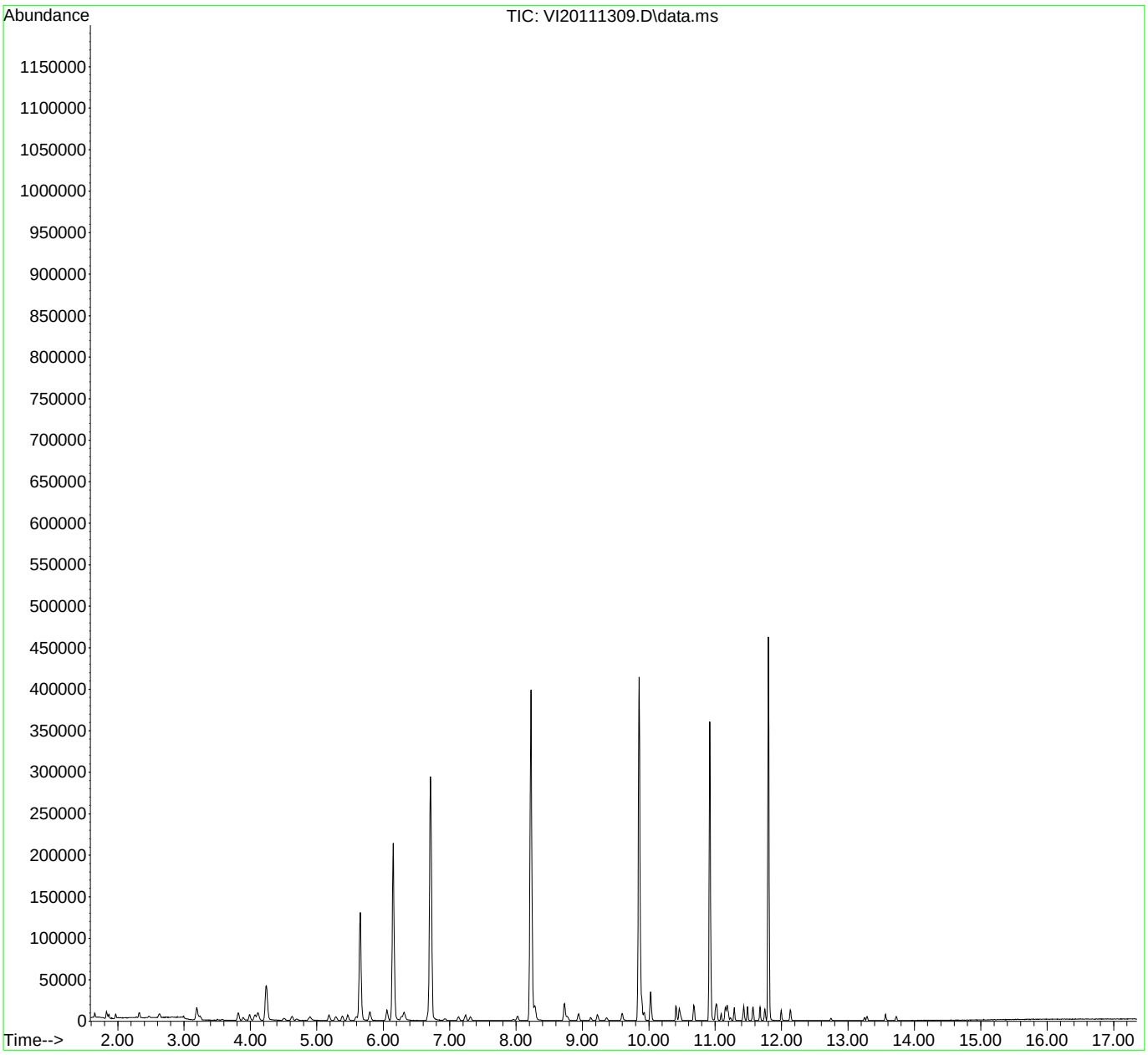
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111309.D
Acq On : 13 Nov 2020 10:34 pm
Operator : TNL
Sample : 0K13048-CAL5
Misc : 1X 5mL 2 PPB VOCR0
ALS Vial : 9 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 15:29:11 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:20:14 2020
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111309.D
Acq On : 13 Nov 2020 10:34 pm
Operator : TNL
Sample : 0K13048-CAL5
Misc : 1X 5mL 2 PPB VOCR0
ALS Vial : 9 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M 11/15/20 TNL

Quant Time: Nov 14 15:29:11 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:20:14 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (I)	6.150	99	87949	50.00	ug/L	# 0.00
45) Chlorobenzene-d5 (I)	9.855	117	231620	50.00	ug/L	0.00
66) 1,4-Dichlorobenzene-d4...	11.802	152	100182	50.00	ug/L	0.00
System Monitoring Compounds						
32) Dibromofluoromethane (S)	5.651	111	83319	49.23	ug/L	0.00
39) 1,4-Difluorobenzene (S)	6.710	114	275806	50.85	ug/L	0.00
48) Toluene-d8 (S)	8.225	98	308715	49.89	ug/L	0.00
67) 4-Bromofluorobenzene (S)	10.920	174	90440	53.86	ug/L	0.00
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.654	85	2539	1.52	ug/L	98
3) Chloromethane	1.867	50	3370	1.93	ug/L	97
4) Vinyl Chloride	1.971	62	3615	1.93	ug/L	92
5) Bromomethane	2.323	96	2794	2.13	ug/L	98
6) Chloroethane	2.476	64	1704	1.38	ug/L	83
7) Trichlorofluoromethane	2.628	101	3566	1.62	ug/L	97
8) Ethanol	3.187	45	6121	152.15	ug/L	87
9) 1,1-Dichloroethene	3.187	61	4553	2.16	ug/L	96
10) Carbon Disulfide	3.206	76	8210	2.13	ug/L	98
11) Freon 113	3.242	101	2770	2.16	ug/L	99
12) Iodomethane	0.000		0	N.D.		
13) Acrolein	3.577	56	811	2.03	ug/L	69
14) Methylene Chloride	3.820	84	4055	2.35	ug/L	97
15) Acetone	3.887	43	4855	4.82	ug/L	94
16) t-1,2-Dichloroethene	3.984	61	4354	2.14	ug/L	94
17) n-Hexane	4.063	86	441	1.65	ug/L	89
18) Methyl-tert-butyl-ether	4.112	73	10425	2.47	ug/L	95
19) tert-Butanol (TBA)	4.240	59	59784	173.38	ug/L	84
20) Diisopropyl ether (DIPE)	4.507	45	2446	0.52	ug/L	88
21) 1,1-Dichloroethane	4.623	63	6046	2.17	ug/L	94
22) Acrylonitrile	4.696	53	1564	1.61	ug/L	95
23) Ethyl-tert-butyl ether...	4.879	59	2333	0.58	ug/L	87
24) Vinyl Acetate	4.903	43	7013	2.61	ug/L	97
25) c-1,2-Dichloroethene	5.183	61	4381	2.08	ug/L	96

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111309.D
Acq On : 13 Nov 2020 10:34 pm
Operator : TNL
Sample : 0K13048-CAL5
Misc : 1X 5mL 2 PPB VOCR0
ALS Vial : 9 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 15:29:11 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:20:14 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) 2,2-Dichloropropane	5.292	77	3769	3.64	ug/L		91
27) Bromochloromethane	5.383	130	2106	2.02	ug/L		97
28) Chloroform	5.469	83	5873	2.17	ug/L		96
29) Carbon Tetrachloride	5.596	117	3511	2.95	ug/L		99
30) Tetrahydrofuran	5.645	42	1937	1.91	ug/L		90
31) 1,1,1-Trichloroethane	5.669	97	4853	2.51	ug/L		97
33) 1,1-Dichloropropene	5.803	75	4288	2.13	ug/L		96
34) 2-Butanone (MEK)	5.797	43	5611	3.81	ug/L		97
35) Benzene	6.059	78	13329	2.12	ug/L		98
36) tert-Amyl methyl ether...	6.180	73	2323	0.67	ug/L		83
37) 1,2-Dichloroethane (EDC)	6.272	62	4465	2.03	ug/L		94
38) iso-Butyl Alcohol	6.314	43	8774	71.49	ug/L		95
40) Trichloroethene (TCE)	6.679	130	3497	2.13	ug/L		94
41) Tert-Amyl-Ethyl-Ether ...	6.929	59	1423	0.72	ug/L		90
42) Dibromomethane	7.136	93	2102	2.02	ug/L		98
43) 1,2-Dichloropropane	7.239	63	3271	2.01	ug/L		95
44) Bromodichloromethane	7.312	83	4019	2.17	ug/L		95
46) 2-Chloroethyl Vinyl Ether	7.957	63	898	1.12	ug/L	#	100
47) c-1,3-Dichloropropene	8.018	75	4019	2.04	ug/L		95
49) Toluene	8.285	91	13315	2.05	ug/L		99
50) Tetrachloroethene (PCE)	8.723	166	3429	2.17	ug/L		94
51) 4-Methyl-2-Pentanone (...	8.729	43	10227	4.12	ug/L		98
52) t-1,3-Dichloropropene	8.772	75	3290	2.63	ug/L		96
53) 1,1,2-Trichloroethane	8.942	97	2989	2.00	ug/L		91
54) Dibromochloromethane	9.125	129	2625	2.19	ug/L		98
55) 1,3-Dichloropropane	9.222	76	5056	2.03	ug/L		100
56) 1,2-Dibromoethane (EDB)	9.368	107	2931	1.93	ug/L		96
57) 2-Hexanone	9.593	43	6945	3.93	ug/L		93
58) Chlorobenzene	9.867	112	8553	2.11	ug/L		89
59) Ethylbenzene	9.891	91	14343	2.14	ug/L		99
60) 1,1,1,2-Tetrachloroethane	9.928	131	2512	2.63	ug/L		90
61) m,p-Xylenes (2)	10.031	91	19803	3.95	ug/L		97
62) o-Xylene	10.409	91	10042	2.03	ug/L		98
63) Styrene	10.457	104	7333	1.88	ug/L		96
64) Bromoform	10.482	173	1672	2.51	ug/L		92
65) Isopropylbenzene	10.676	105	11977	2.08	ug/L		99

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111309.D
Acq On : 13 Nov 2020 10:34 pm
Operator : TNL
Sample : 0K13048-CAL5
Misc : 1X 5mL 2 PPB VOCR0
ALS Vial : 9 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 15:29:11 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:20:14 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
68) Bromobenzene	11.005	156	3399	2.26	ug/L		92
69) n-Propylbenzene	11.023	91	12953	2.03	ug/L		99
70) 1,1,2,2-Tetrachloroethane	11.090	85	2677	2.08	ug/L		89
71) 2-Chlorotoluene	11.151	126	2789	2.20	ug/L		95
72) 1,3,5-Trimethylbenzene	11.175	105	8607	2.06	ug/L		96
73) 1,2,3-Trichloropropane	11.199	110	1363	2.06	ug/L		88
74) t-1,4-Dichloro-2-butene	11.230	53	758	1.99	ug/L	#	59
75) 4-Chlorotoluene	11.285	91	8140	2.10	ug/L		93
76) tert-Butylbenzene	11.431	91	5223	2.23	ug/L		92
77) 1,2,4-Trimethylbenzene	11.485	105	8025	1.94	ug/L		92
78) sec-Butylbenzene	11.570	105	10535	2.07	ug/L		98
79) 4-Isopropyltoluene	11.674	119	8044	1.93	ug/L		97
80) 1,3-Dichlorobenzene	11.747	146	5318	2.11	ug/L		99
81) 1,4-Dichlorobenzene	11.814	146	5480	1.93	ug/L		92
82) n-Butylbenzene	11.996	91	6343	1.84	ug/L		98
83) 1,2-Dichlorobenzene	12.130	146	5029	2.02	ug/L		94
84) 1,2-Dibromo-3-Chloropr...	12.745	157	761	2.61	ug/L		83
85) Hexachlorobutadiene	13.243	223	560	1.52	ug/L		95
86) 1,2,4-Trichlorobenzene	13.286	180	2044	1.66	ug/L		95
87) Naphthalene	13.566	128	6236	1.58	ug/L		97
88) 1,2,3-Trichlorobenzene	13.724	180	1910	1.49	ug/L		91

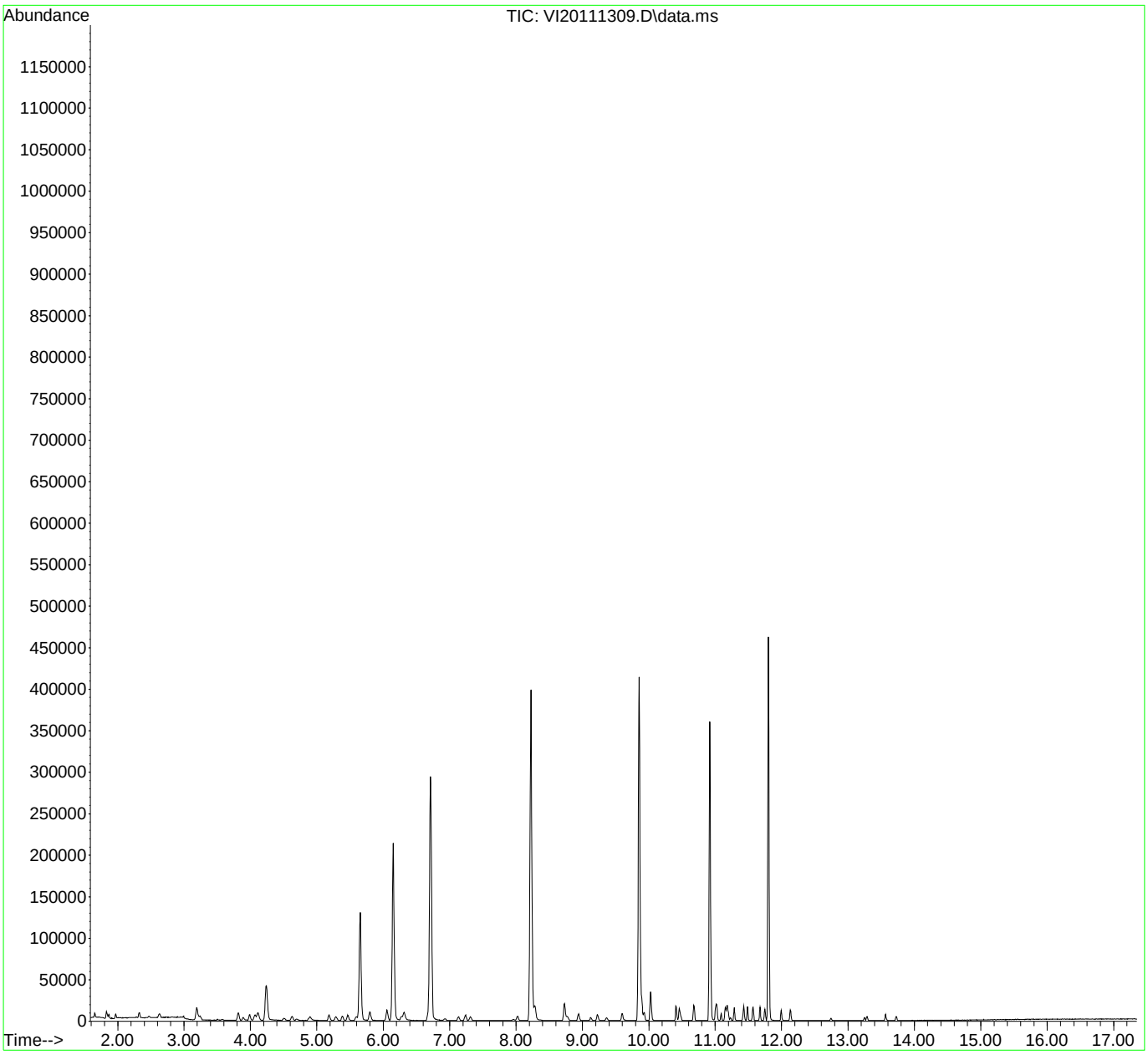
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111309.D
Acq On : 13 Nov 2020 10:34 pm
Operator : TNL
Sample : 0K13048-CAL5
Misc : 1X 5mL 2 PPB VOCR0
ALS Vial : 9 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 15:29:11 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:20:14 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111310.D
Acq On : 13 Nov 2020 11:01 pm
Operator : TNL
Sample : 0K13048-CAL6 11/15/20 TNL
Misc : 1X 5mL 5 PPB VOCR0
ALS Vial : 10 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 15:31:13 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:20:14 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.150	99	89263	50.00	ug/L	#	0.00
45) Chlorobenzene-d5 (I)	9.855	117	235991	50.00	ug/L		0.00
66) 1,4-Dichlorobenzene-d4...	11.802	152	105584	50.00	ug/L		0.00
System Monitoring Compounds							
32) Dibromofluoromethane (S)	5.651	111	84022	48.92	ug/L		0.00
39) 1,4-Difluorobenzene (S)	6.716	114	277886	50.48	ug/L		0.00
48) Toluene-d8 (S)	8.224	98	311216	49.36	ug/L		0.00
67) 4-Bromofluorobenzene (S)	10.919	174	93222	52.67	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.660	85	6483	3.83	ug/L		99
3) Chloromethane	1.873	50	8068	4.55	ug/L		93
4) Vinyl Chloride	1.971	62	9128	4.80	ug/L		94
5) Bromomethane	2.329	96	6238	4.68	ug/L		97
6) Chloroethane	2.475	64	3690	4.60	ug/L		85
7) Trichlorofluoromethane	2.634	101	8839	3.94	ug/L		97
8) Ethanol	3.187	45	15191	372.04	ug/L		88
9) 1,1-Dichloroethene	3.187	61	11630	5.44	ug/L		95
10) Carbon Disulfide	3.206	76	20113	5.14	ug/L		97
11) Freon 113	3.248	101	7125	5.48	ug/L		92
12) Iodomethane	3.345	142	357	6.50	ug/L	#	47
13) Acrolein	3.571	56	2131	5.27	ug/L		81
14) Methylene Chloride	3.820	84	9108	5.19	ug/L		92
15) Acetone	3.893	43	10830	10.59	ug/L		98
16) t-1,2-Dichloroethene	3.990	61	10982	5.32	ug/L		92
17) n-Hexane	4.069	86	1315	4.84	ug/L		97
18) Methyl-tert-butyl-ether	4.112	73	26026	6.07	ug/L		92
19) tert-Butanol (TBA)	4.240	59	150471	418.96	ug/L		83
20) Diisopropyl ether (DIPE)	4.507	45	6085	1.29	ug/L		94
21) 1,1-Dichloroethane	4.629	63	14688	5.19	ug/L		98
22) Acrylonitrile	4.696	53	4474	4.55	ug/L		97
23) Ethyl-tert-butyl ether...	4.878	59	5913	1.44	ug/L		97
24) Vinyl Acetate	4.903	43	18548	6.81	ug/L		100
25) c-1,2-Dichloroethene	5.183	61	11102	5.19	ug/L		97

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111310.D
Acq On : 13 Nov 2020 11:01 pm
Operator : TNL
Sample : 0K13048-CAL6
Misc : 1X 5mL 5 PPB VOCR0
ALS Vial : 10 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 15:31:13 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:20:14 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) 2,2-Dichloropropane	5.286	77	9625	9.15	ug/L		97
27) Bromochloromethane	5.390	130	5544	5.25	ug/L		97
28) Chloroform	5.469	83	14651	5.33	ug/L		95
29) Carbon Tetrachloride	5.602	117	9030	7.49	ug/L		98
30) Tetrahydrofuran	5.639	42	5049	4.92	ug/L		89
31) 1,1,1-Trichloroethane	5.669	97	12609	6.42	ug/L		95
33) 1,1-Dichloropropene	5.797	75	10942	5.35	ug/L		96
34) 2-Butanone (MEK)	5.791	43	14761	9.86	ug/L		96
35) Benzene	6.059	78	33413	5.25	ug/L		99
36) tert-Amyl methyl ether...	6.180	73	5871	1.66	ug/L		99
37) 1,2-Dichloroethane (EDC)	6.272	62	11651	5.22	ug/L		94
38) iso-Butyl Alcohol	6.308	43	22217	160.05	ug/L		95
40) Trichloroethene (TCE)	6.679	130	9124	5.48	ug/L		97
41) Tert-Amyl-Ethyl-Ether ...	6.923	59	3580	1.79	ug/L		87
42) Dibromomethane	7.129	93	5548	5.25	ug/L		92
43) 1,2-Dichloropropane	7.239	63	8391	5.07	ug/L		93
44) Bromodichloromethane	7.312	83	10084	5.38	ug/L		94
46) 2-Chloroethyl Vinyl Ether	7.957	63	2727	3.35	ug/L	#	100
47) c-1,3-Dichloropropene	8.018	75	11203	5.59	ug/L		97
49) Toluene	8.285	91	34091	5.15	ug/L		99
50) Tetrachloroethene (PCE)	8.729	166	8548	5.32	ug/L		94
51) 4-Methyl-2-Pentanone (...	8.729	43	25567	10.12	ug/L		99
52) t-1,3-Dichloropropene	8.772	75	9371	6.30	ug/L		97
53) 1,1,2-Trichloroethane	8.942	97	7896	5.19	ug/L		92
54) Dibromochloromethane	9.125	129	6748	5.52	ug/L		99
55) 1,3-Dichloropropane	9.228	76	13284	5.23	ug/L		97
56) 1,2-Dibromoethane (EDB)	9.362	107	7927	5.13	ug/L		93
57) 2-Hexanone	9.593	43	18158	10.08	ug/L		95
58) Chlorobenzene	9.867	112	21700	5.26	ug/L		95
59) Ethylbenzene	9.891	91	36021	5.29	ug/L		98
60) 1,1,1,2-Tetrachloroethane	9.928	131	6507	6.18	ug/L		95
61) m,p-Xylenes (2)	10.025	91	52058	10.18	ug/L		97
62) o-Xylene	10.408	91	26395	5.23	ug/L		97
63) Styrene	10.457	104	19521	4.90	ug/L		94
64) Bromoform	10.481	173	4679	5.57	ug/L		98
65) Isopropylbenzene	10.676	105	31317	5.33	ug/L		100

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111310.D
Acq On : 13 Nov 2020 11:01 pm
Operator : TNL
Sample : 0K13048-CAL6
Misc : 1X 5mL 5 PPB VOCR0
ALS Vial : 10 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 15:31:13 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:20:14 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
68) Bromobenzene	11.005	156	8609	5.44	ug/L		84
69) n-Propylbenzene	11.023	91	35045	5.21	ug/L		99
70) 1,1,2,2-Tetrachloroethane	11.090	85	7167	5.27	ug/L		96
71) 2-Chlorotoluene	11.151	126	7430	5.57	ug/L		98
72) 1,3,5-Trimethylbenzene	11.175	105	23394	5.30	ug/L		95
73) 1,2,3-Trichloropropane	11.199	110	3782	5.43	ug/L		87
74) t-1,4-Dichloro-2-butene	11.230	53	2217	5.53	ug/L	#	71
75) 4-Chlorotoluene	11.285	91	21835	5.36	ug/L		96
76) tert-Butylbenzene	11.431	91	13959	5.65	ug/L		95
77) 1,2,4-Trimethylbenzene	11.485	105	23004	5.27	ug/L		95
78) sec-Butylbenzene	11.564	105	29128	5.43	ug/L		99
79) 4-Isopropyltoluene	11.674	119	22473	5.13	ug/L		98
80) 1,3-Dichlorobenzene	11.747	146	14005	5.26	ug/L		99
81) 1,4-Dichlorobenzene	11.814	146	14361	4.79	ug/L		94
82) n-Butylbenzene	11.996	91	18808	5.19	ug/L		99
83) 1,2-Dichlorobenzene	12.130	146	13392	5.09	ug/L		98
84) 1,2-Dibromo-3-Chloropr...	12.745	157	2294	5.95	ug/L		87
85) Hexachlorobutadiene	13.243	223	1830	4.72	ug/L		91
86) 1,2,4-Trichlorobenzene	13.286	180	5768	4.44	ug/L		98
87) Naphthalene	13.566	128	17295	3.92	ug/L		98
88) 1,2,3-Trichlorobenzene	13.724	180	5573	4.14	ug/L		92

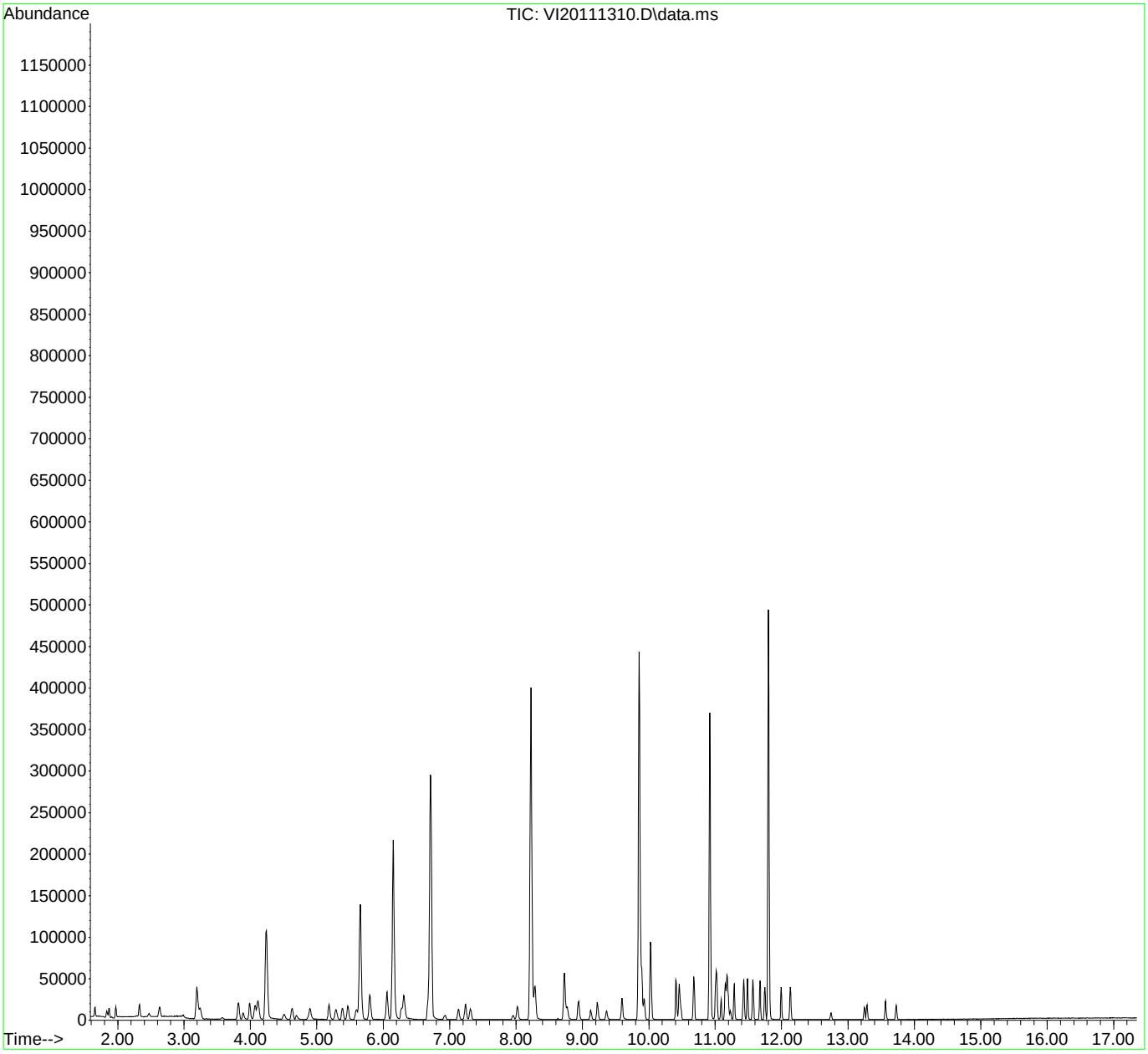
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111310.D
Acq On : 13 Nov 2020 11:01 pm
Operator : TNL
Sample : 0K13048-CAL6
Misc : 1X 5mL 5 PPB VOCR0
ALS Vial : 10 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 15:31:13 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:20:14 2020
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111310.D
Acq On : 13 Nov 2020 11:01 pm
Operator : TNL
Sample : 0K13048-CAL6
Misc : 1X 5mL 5 PPB VOCR0
ALS Vial : 10 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

11/15/20 TNL

Quant Time: Nov 14 15:31:47 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:20:14 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (I)	6.150	99	89263	50.00	ug/L	# 0.00
45) Chlorobenzene-d5 (I)	9.855	117	235991	50.00	ug/L	0.00
66) 1,4-Dichlorobenzene-d4...	11.802	152	105584	50.00	ug/L	0.00
System Monitoring Compounds						
32) Dibromofluoromethane (S)	5.651	111	84022	48.92	ug/L	0.00
39) 1,4-Difluorobenzene (S)	6.716	114	277886	50.48	ug/L	0.00
48) Toluene-d8 (S)	8.224	98	311216	49.36	ug/L	0.00
67) 4-Bromofluorobenzene (S)	10.919	174	93222	52.67	ug/L	0.00
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.660	85	6483	3.83	ug/L	99
3) Chloromethane	1.873	50	8068	4.55	ug/L	93
4) Vinyl Chloride	1.971	62	9128	4.80	ug/L	94
5) Bromomethane	2.329	96	6238	4.68	ug/L	97
6) Chloroethane	2.475	64	3690	4.60	ug/L	85
7) Trichlorofluoromethane	2.634	101	8839	3.94	ug/L	97
8) Ethanol	3.187	45	15191	372.04	ug/L	88
9) 1,1-Dichloroethene	3.187	61	11630	5.44	ug/L	95
10) Carbon Disulfide	3.206	76	20113	5.14	ug/L	97
11) Freon 113	3.248	101	7125	5.48	ug/L	92
12) Iodomethane	0.000		0	N.D.	d	
13) Acrolein	3.571	56	2131	5.27	ug/L	81
14) Methylene Chloride	3.820	84	9108	5.19	ug/L	92
15) Acetone	3.893	43	10830	10.59	ug/L	98
16) t-1,2-Dichloroethene	3.990	61	10982	5.32	ug/L	92
17) n-Hexane	4.069	86	1315	4.84	ug/L	97
18) Methyl-tert-butyl-ether	4.112	73	26026	6.07	ug/L	92
19) tert-Butanol (TBA)	4.240	59	150471	418.96	ug/L	83
20) Diisopropyl ether (DIPE)	4.507	45	6085	1.29	ug/L	94
21) 1,1-Dichloroethane	4.629	63	14688	5.19	ug/L	98
22) Acrylonitrile	4.696	53	4474	4.55	ug/L	97
23) Ethyl-tert-butyl ether...	4.878	59	5913	1.44	ug/L	97
24) Vinyl Acetate	4.903	43	18548	6.81	ug/L	100
25) c-1,2-Dichloroethene	5.183	61	11102	5.19	ug/L	97

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111310.D
Acq On : 13 Nov 2020 11:01 pm
Operator : TNL
Sample : 0K13048-CAL6
Misc : 1X 5mL 5 PPB VOCR0
ALS Vial : 10 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 15:31:47 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:20:14 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) 2,2-Dichloropropane	5.286	77	9625	9.15	ug/L		97
27) Bromochloromethane	5.390	130	5544	5.25	ug/L		97
28) Chloroform	5.469	83	14651	5.33	ug/L		95
29) Carbon Tetrachloride	5.602	117	9030	7.49	ug/L		98
30) Tetrahydrofuran	5.639	42	5049	4.92	ug/L		89
31) 1,1,1-Trichloroethane	5.669	97	12609	6.42	ug/L		95
33) 1,1-Dichloropropene	5.797	75	10942	5.35	ug/L		96
34) 2-Butanone (MEK)	5.791	43	14761	9.86	ug/L		96
35) Benzene	6.059	78	33413	5.25	ug/L		99
36) tert-Amyl methyl ether...	6.180	73	5871	1.66	ug/L		99
37) 1,2-Dichloroethane (EDC)	6.272	62	11651	5.22	ug/L		94
38) iso-Butyl Alcohol	6.308	43	22217	160.05	ug/L		95
40) Trichloroethene (TCE)	6.679	130	9124	5.48	ug/L		97
41) Tert-Amyl-Ethyl-Ether ...	6.923	59	3580	1.79	ug/L		87
42) Dibromomethane	7.129	93	5548	5.25	ug/L		92
43) 1,2-Dichloropropane	7.239	63	8391	5.07	ug/L		93
44) Bromodichloromethane	7.312	83	10084	5.38	ug/L		94
46) 2-Chloroethyl Vinyl Ether	7.957	63	2727	3.35	ug/L	#	100
47) c-1,3-Dichloropropene	8.018	75	11203	5.59	ug/L		97
49) Toluene	8.285	91	34091	5.15	ug/L		99
50) Tetrachloroethene (PCE)	8.729	166	8548	5.32	ug/L		94
51) 4-Methyl-2-Pentanone (...	8.729	43	25567	10.12	ug/L		99
52) t-1,3-Dichloropropene	8.772	75	9371	6.30	ug/L		97
53) 1,1,2-Trichloroethane	8.942	97	7896	5.19	ug/L		92
54) Dibromochloromethane	9.125	129	6748	5.52	ug/L		99
55) 1,3-Dichloropropane	9.228	76	13284	5.23	ug/L		97
56) 1,2-Dibromoethane (EDB)	9.362	107	7927	5.13	ug/L		93
57) 2-Hexanone	9.593	43	18158	10.08	ug/L		95
58) Chlorobenzene	9.867	112	21700	5.26	ug/L		95
59) Ethylbenzene	9.891	91	36021	5.29	ug/L		98
60) 1,1,1,2-Tetrachloroethane	9.928	131	6507	6.18	ug/L		95
61) m,p-Xylenes (2)	10.025	91	52058	10.18	ug/L		97
62) o-Xylene	10.408	91	26395	5.23	ug/L		97
63) Styrene	10.457	104	19521	4.90	ug/L		94
64) Bromoform	10.481	173	4679	5.57	ug/L		98
65) Isopropylbenzene	10.676	105	31317	5.33	ug/L		100

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111310.D
Acq On : 13 Nov 2020 11:01 pm
Operator : TNL
Sample : 0K13048-CAL6
Misc : 1X 5mL 5 PPB VOCR0
ALS Vial : 10 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 15:31:47 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:20:14 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
68) Bromobenzene	11.005	156	8609	5.44	ug/L		84
69) n-Propylbenzene	11.023	91	35045	5.21	ug/L		99
70) 1,1,2,2-Tetrachloroethane	11.090	85	7167	5.27	ug/L		96
71) 2-Chlorotoluene	11.151	126	7430	5.57	ug/L		98
72) 1,3,5-Trimethylbenzene	11.175	105	23394	5.30	ug/L		95
73) 1,2,3-Trichloropropane	11.199	110	3782	5.43	ug/L		87
74) t-1,4-Dichloro-2-butene	11.230	53	2217	5.53	ug/L	#	71
75) 4-Chlorotoluene	11.285	91	21835	5.36	ug/L		96
76) tert-Butylbenzene	11.431	91	13959	5.65	ug/L		95
77) 1,2,4-Trimethylbenzene	11.485	105	23004	5.27	ug/L		95
78) sec-Butylbenzene	11.564	105	29128	5.43	ug/L		99
79) 4-Isopropyltoluene	11.674	119	22473	5.13	ug/L		98
80) 1,3-Dichlorobenzene	11.747	146	14005	5.26	ug/L		99
81) 1,4-Dichlorobenzene	11.814	146	14361	4.79	ug/L		94
82) n-Butylbenzene	11.996	91	18808	5.19	ug/L		99
83) 1,2-Dichlorobenzene	12.130	146	13392	5.09	ug/L		98
84) 1,2-Dibromo-3-Chloropr...	12.745	157	2294	5.95	ug/L		87
85) Hexachlorobutadiene	13.243	223	1830	4.72	ug/L		91
86) 1,2,4-Trichlorobenzene	13.286	180	5768	4.44	ug/L		98
87) Naphthalene	13.566	128	17295	3.92	ug/L		98
88) 1,2,3-Trichlorobenzene	13.724	180	5573	4.14	ug/L		92

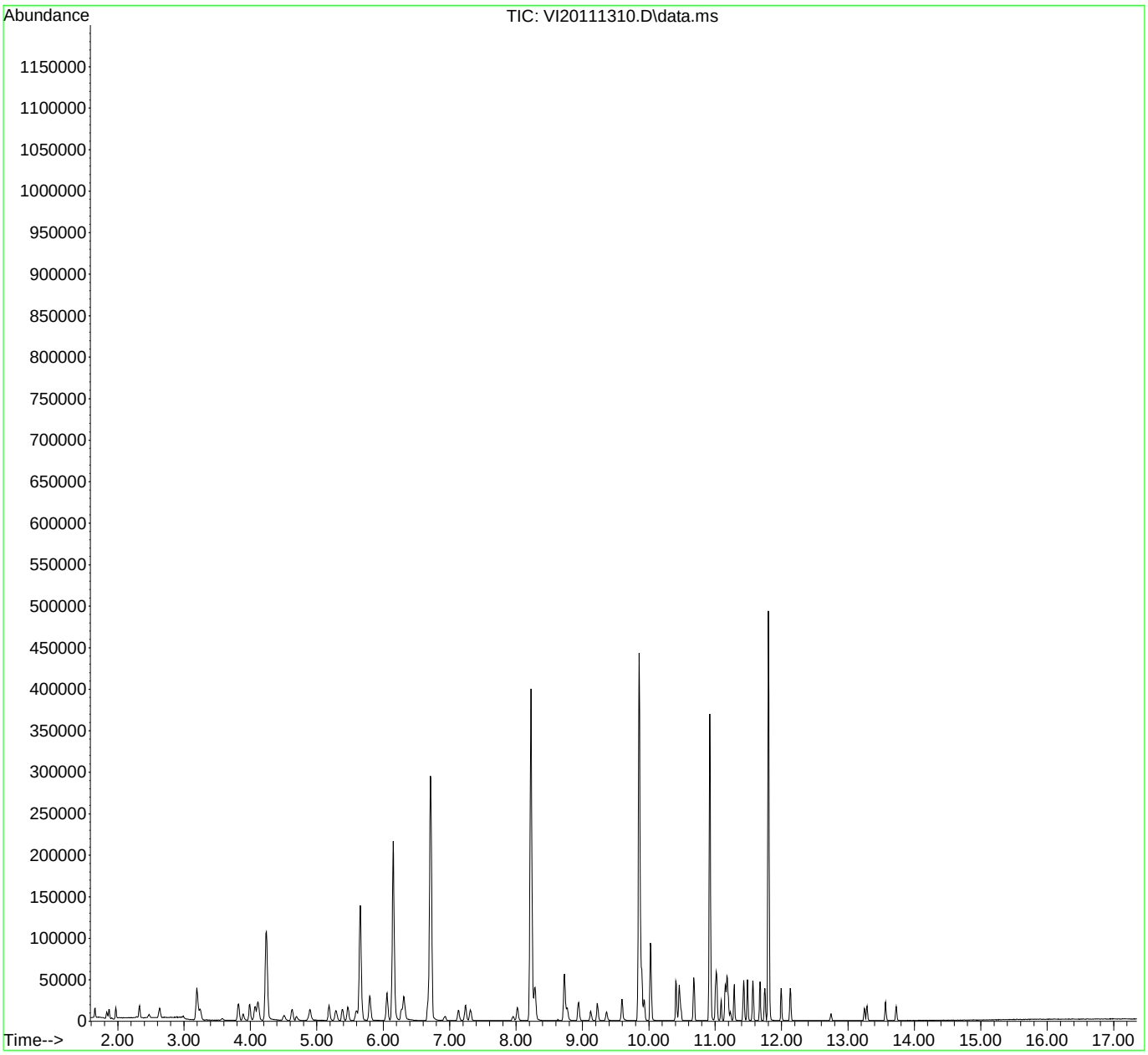
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111310.D
Acq On : 13 Nov 2020 11:01 pm
Operator : TNL
Sample : 0K13048-CAL6
Misc : 1X 5mL 5 PPB VOCR0
ALS Vial : 10 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 15:31:47 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:20:14 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111311.D
Acq On : 13 Nov 2020 11:28 pm
Operator : TNL
Sample : 0K13048-CAL7
Misc : 1X 5mL 10 PPB VOCR0
ALS Vial : 11 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

11/15/20 TNL

Quant Time: Nov 14 15:33:25 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:20:14 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.150	99	89742	50.00	ug/L		# 0.00
45) Chlorobenzene-d5 (I)	9.855	117	241830	50.00	ug/L		0.00
66) 1,4-Dichlorobenzene-d4...	11.802	152	110303	50.00	ug/L		0.00
System Monitoring Compounds							
32) Dibromofluoromethane (S)	5.651	111	85084	49.27	ug/L		0.00
39) 1,4-Difluorobenzene (S)	6.710	114	278968	50.41	ug/L		0.00
48) Toluene-d8 (S)	8.225	98	317300	49.11	ug/L		0.00
67) 4-Bromofluorobenzene (S)	10.920	174	95379	51.59	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.654	85	12256	7.21	ug/L		98
3) Chloromethane	1.867	50	15923	8.93	ug/L		95
4) Vinyl Chloride	1.965	62	17698	9.26	ug/L		96
5) Bromomethane	2.323	96	11957	8.92	ug/L		98
6) Chloroethane	2.463	64	6732	9.40	ug/L		84
7) Trichlorofluoromethane	2.622	101	16973	7.53	ug/L		98
8) Ethanol	3.181	45	31013	755.49	ug/L		86
9) 1,1-Dichloroethene	3.181	61	22717	10.58	ug/L		99
10) Carbon Disulfide	3.199	76	39119	9.95	ug/L		99
11) Freon 113	3.236	101	13638	10.43	ug/L		93
12) Iodomethane	3.333	142	1475	7.74	ug/L	#	85
13) Acrolein	3.571	56	4460	10.96	ug/L		75
14) Methylene Chloride	3.820	84	17580	9.97	ug/L		90
15) Acetone	3.887	43	20301	19.74	ug/L		99
16) t-1,2-Dichloroethene	3.984	61	22041	10.62	ug/L		92
17) n-Hexane	4.069	86	2630	9.62	ug/L	#	95
18) Methyl-tert-butyl-ether	4.106	73	52418	12.17	ug/L		93
19) tert-Butanol (TBA)	4.234	59	308941	839.41	ug/L		83
20) Diisopropyl ether (DIPE)	4.507	45	11990	2.52	ug/L		95
21) 1,1-Dichloroethane	4.623	63	29833	10.48	ug/L		95
22) Acrylonitrile	4.690	53	9810	9.92	ug/L		95
23) Ethyl-tert-butyl ether...	4.872	59	11935	2.89	ug/L		96
24) Vinyl Acetate	4.897	43	39428	14.40	ug/L		97
25) c-1,2-Dichloroethene	5.183	61	22163	10.30	ug/L		90

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111311.D
Acq On : 13 Nov 2020 11:28 pm
Operator : TNL
Sample : 0K13048-CAL7
Misc : 1X 5mL 10 PPB VOCR0
ALS Vial : 11 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 15:33:25 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:20:14 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) 2,2-Dichloropropane	5.286	77	19075	18.05	ug/L		94
27) Bromochloromethane	5.383	130	11352	10.69	ug/L		97
28) Chloroform	5.463	83	29577	10.71	ug/L		98
29) Carbon Tetrachloride	5.596	117	18220	15.03	ug/L		94
30) Tetrahydrofuran	5.639	42	10031	9.71	ug/L		89
31) 1,1,1-Trichloroethane	5.669	97	24668	12.48	ug/L		96
33) 1,1-Dichloropropene	5.797	75	21494	10.46	ug/L		94
34) 2-Butanone (MEK)	5.791	43	30367	20.18	ug/L		98
35) Benzene	6.053	78	66637	10.41	ug/L		98
36) tert-Amyl methyl ether...	6.180	73	11460	3.22	ug/L		96
37) 1,2-Dichloroethane (EDC)	6.272	62	23694	10.56	ug/L		92
38) iso-Butyl Alcohol	6.308	43	46025	315.30	ug/L		96
40) Trichloroethene (TCE)	6.673	130	17684	10.57	ug/L		94
41) Tert-Amyl-Ethyl-Ether ...	6.929	59	7422	3.70	ug/L		89
42) Dibromomethane	7.129	93	11190	10.53	ug/L		97
43) 1,2-Dichloropropane	7.233	63	16855	10.13	ug/L		95
44) Bromodichloromethane	7.312	83	20770	11.01	ug/L		95
46) 2-Chloroethyl Vinyl Ether	7.951	63	6438	7.72	ug/L	#	100
47) c-1,3-Dichloropropene	8.018	75	23724	11.55	ug/L		92
49) Toluene	8.285	91	67328	9.92	ug/L		99
50) Tetrachloroethene (PCE)	8.729	166	16554	10.05	ug/L		95
51) 4-Methyl-2-Pentanone (...	8.729	43	53426	20.64	ug/L		98
52) t-1,3-Dichloropropene	8.772	75	20231	12.53	ug/L		97
53) 1,1,2-Trichloroethane	8.942	97	16169	10.37	ug/L		95
54) Dibromochloromethane	9.125	129	14229	11.35	ug/L		98
55) 1,3-Dichloropropane	9.222	76	26929	10.34	ug/L		97
56) 1,2-Dibromoethane (EDB)	9.362	107	16672	10.52	ug/L		95
57) 2-Hexanone	9.593	43	38843	21.04	ug/L		94
58) Chlorobenzene	9.867	112	43452	10.27	ug/L		96
59) Ethylbenzene	9.891	91	72009	10.31	ug/L		99
60) 1,1,1,2-Tetrachloroethane	9.928	131	13632	12.20	ug/L		96
61) m,p-Xylenes (2)	10.025	91	105303	20.09	ug/L		98
62) o-Xylene	10.409	91	53858	10.41	ug/L		99
63) Styrene	10.457	104	41533	10.17	ug/L		97
64) Bromoform	10.482	173	9970	10.70	ug/L		97
65) Isopropylbenzene	10.676	105	63893	10.61	ug/L		99

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111311.D
Acq On : 13 Nov 2020 11:28 pm
Operator : TNL
Sample : 0K13048-CAL7
Misc : 1X 5mL 10 PPB VOCR0
ALS Vial : 11 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 15:33:25 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:20:14 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
68) Bromobenzene	11.005	156	17497	10.59	ug/L		86
69) n-Propylbenzene	11.017	91	72033	10.26	ug/L		97
70) 1,1,2,2-Tetrachloroethane	11.090	85	14772	10.40	ug/L		94
71) 2-Chlorotoluene	11.151	126	15290	10.97	ug/L		94
72) 1,3,5-Trimethylbenzene	11.175	105	49555	10.75	ug/L		98
73) 1,2,3-Trichloropropane	11.199	110	7800	10.71	ug/L		90
74) t-1,4-Dichloro-2-butene	11.230	53	4653	11.11	ug/L	#	73
75) 4-Chlorotoluene	11.285	91	45388	10.66	ug/L		95
76) tert-Butylbenzene	11.431	91	28884	11.20	ug/L		93
77) 1,2,4-Trimethylbenzene	11.485	105	48901	10.72	ug/L		97
78) sec-Butylbenzene	11.564	105	59481	10.62	ug/L		100
79) 4-Isopropyltoluene	11.674	119	48577	10.60	ug/L		99
80) 1,3-Dichlorobenzene	11.747	146	29374	10.57	ug/L		99
81) 1,4-Dichlorobenzene	11.814	146	30242	9.65	ug/L		96
82) n-Butylbenzene	11.996	91	40346	10.65	ug/L		97
83) 1,2-Dichlorobenzene	12.130	146	28364	10.33	ug/L		98
84) 1,2-Dibromo-3-Chloropr...	12.745	157	5159	11.79	ug/L		83
85) Hexachlorobutadiene	13.243	223	4106	10.14	ug/L		87
86) 1,2,4-Trichlorobenzene	13.286	180	13268	9.79	ug/L		96
87) Naphthalene	13.566	128	40566	8.57	ug/L		98
88) 1,2,3-Trichlorobenzene	13.724	180	12481	8.87	ug/L		94

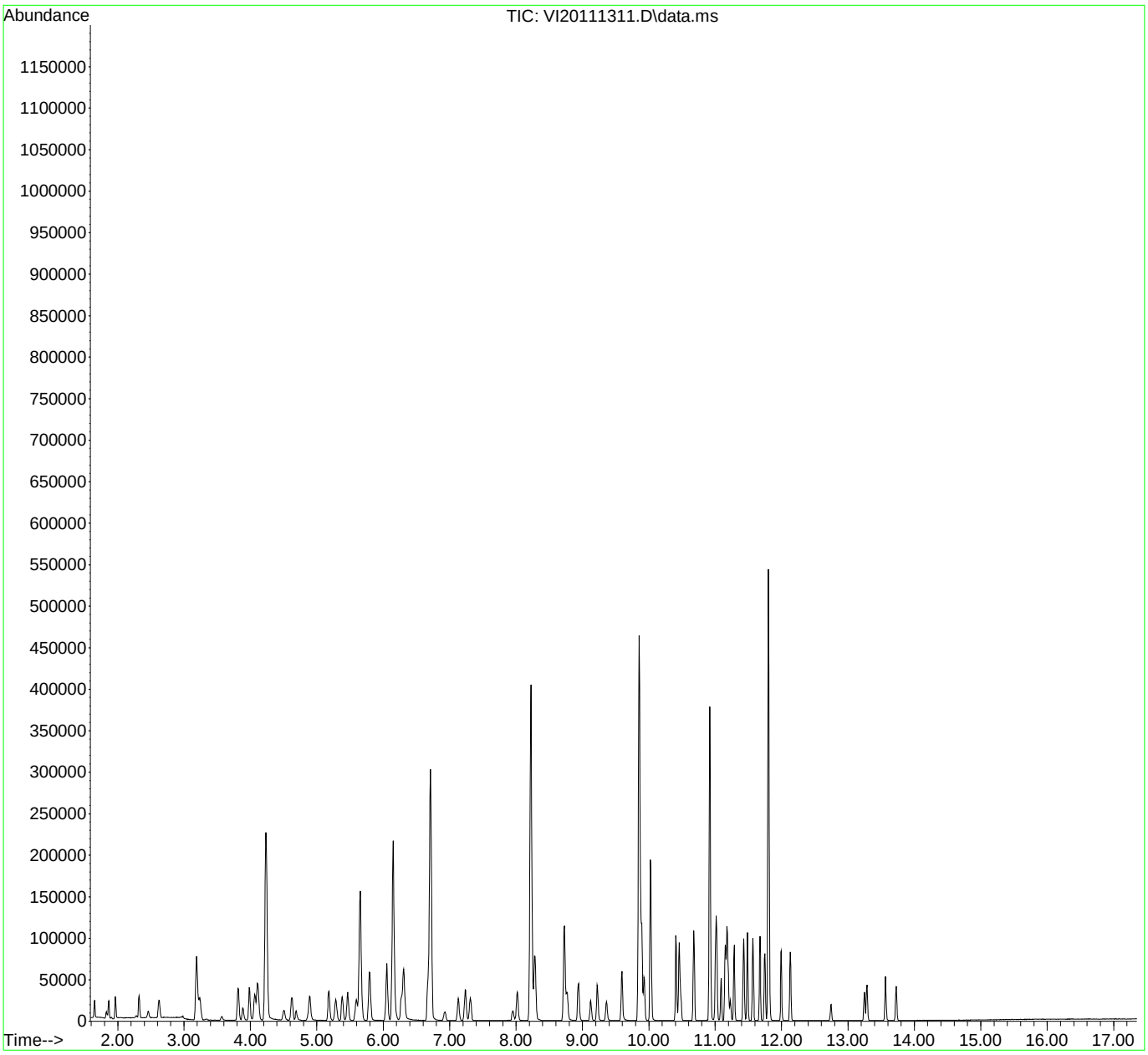
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111311.D
Acq On : 13 Nov 2020 11:28 pm
Operator : TNL
Sample : 0K13048-CAL7
Misc : 1X 5mL 10 PPB VOCR0
ALS Vial : 11 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 15:33:25 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:20:14 2020
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111311.D
Acq On : 13 Nov 2020 11:28 pm
Operator : TNL
Sample : 0K13048-CAL7
Misc : 1X 5mL 10 PPB VOCR0 11/15/20 TNL
ALS Vial : 11 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 15:33:25 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:20:14 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.150	99	89742	50.00	ug/L	#	0.00
45) Chlorobenzene-d5 (I)	9.855	117	241830	50.00	ug/L		0.00
66) 1,4-Dichlorobenzene-d4...	11.802	152	110303	50.00	ug/L		0.00
System Monitoring Compounds							
32) Dibromofluoromethane (S)	5.651	111	85084	49.27	ug/L		0.00
39) 1,4-Difluorobenzene (S)	6.710	114	278968	50.41	ug/L		0.00
48) Toluene-d8 (S)	8.225	98	317300	49.11	ug/L		0.00
67) 4-Bromofluorobenzene (S)	10.920	174	95379	51.59	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.654	85	12256	7.21	ug/L		98
3) Chloromethane	1.867	50	15923	8.93	ug/L		95
4) Vinyl Chloride	1.965	62	17698	9.26	ug/L		96
5) Bromomethane	2.323	96	11957	8.92	ug/L		98
6) Chloroethane	2.463	64	6732	9.40	ug/L		84
7) Trichlorofluoromethane	2.622	101	16973	7.53	ug/L		98
8) Ethanol	3.181	45	31013	755.49	ug/L		86
9) 1,1-Dichloroethene	3.181	61	22717	10.58	ug/L		99
10) Carbon Disulfide	3.199	76	39119	9.95	ug/L		99
11) Freon 113	3.236	101	13638	10.43	ug/L		93
12) Iodomethane	3.333	142	1475	7.74	ug/L	#	85
13) Acrolein	3.571	56	4460	10.96	ug/L		75
14) Methylene Chloride	3.820	84	17580	9.97	ug/L		90
15) Acetone	3.887	43	20301	19.74	ug/L		99
16) t-1,2-Dichloroethene	3.984	61	22041	10.62	ug/L		92
17) n-Hexane	4.069	86	2630	9.62	ug/L	#	95
18) Methyl-tert-butyl-ether	4.106	73	52418	12.17	ug/L		93
19) tert-Butanol (TBA)	4.234	59	308941	839.41	ug/L		83
20) Diisopropyl ether (DIPE)	4.507	45	11990	2.52	ug/L		95
21) 1,1-Dichloroethane	4.623	63	29833	10.48	ug/L		95
22) Acrylonitrile	4.690	53	9810	9.92	ug/L		95
23) Ethyl-tert-butyl ether...	4.872	59	11935	2.89	ug/L		96
24) Vinyl Acetate	4.897	43	39428	14.40	ug/L		97
25) c-1,2-Dichloroethene	5.183	61	22163	10.30	ug/L		90

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111311.D
Acq On : 13 Nov 2020 11:28 pm
Operator : TNL
Sample : 0K13048-CAL7
Misc : 1X 5mL 10 PPB VOCR0
ALS Vial : 11 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 15:33:25 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:20:14 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) 2,2-Dichloropropane	5.286	77	19075	18.05	ug/L		94
27) Bromochloromethane	5.383	130	11352	10.69	ug/L		97
28) Chloroform	5.463	83	29577	10.71	ug/L		98
29) Carbon Tetrachloride	5.596	117	18220	15.03	ug/L		94
30) Tetrahydrofuran	5.639	42	10031	9.71	ug/L		89
31) 1,1,1-Trichloroethane	5.669	97	24668	12.48	ug/L		96
33) 1,1-Dichloropropene	5.797	75	21494	10.46	ug/L		94
34) 2-Butanone (MEK)	5.791	43	30367	20.18	ug/L		98
35) Benzene	6.053	78	66637	10.41	ug/L		98
36) tert-Amyl methyl ether...	6.180	73	11460	3.22	ug/L		96
37) 1,2-Dichloroethane (EDC)	6.272	62	23694	10.56	ug/L		92
38) iso-Butyl Alcohol	6.308	43	46025	315.30	ug/L		96
40) Trichloroethene (TCE)	6.673	130	17684	10.57	ug/L		94
41) Tert-Amyl-Ethyl-Ether ...	6.929	59	7422	3.70	ug/L		89
42) Dibromomethane	7.129	93	11190	10.53	ug/L		97
43) 1,2-Dichloropropane	7.233	63	16855	10.13	ug/L		95
44) Bromodichloromethane	7.312	83	20770	11.01	ug/L		95
46) 2-Chloroethyl Vinyl Ether	7.951	63	6438	7.72	ug/L	#	100
47) c-1,3-Dichloropropene	8.018	75	23724	11.55	ug/L		92
49) Toluene	8.285	91	67328	9.92	ug/L		99
50) Tetrachloroethene (PCE)	8.729	166	16554	10.05	ug/L		95
51) 4-Methyl-2-Pentanone (...	8.729	43	53426	20.64	ug/L		98
52) t-1,3-Dichloropropene	8.772	75	20231	12.53	ug/L		97
53) 1,1,2-Trichloroethane	8.942	97	16169	10.37	ug/L		95
54) Dibromochloromethane	9.125	129	14229	11.35	ug/L		98
55) 1,3-Dichloropropane	9.222	76	26929	10.34	ug/L		97
56) 1,2-Dibromoethane (EDB)	9.362	107	16672	10.52	ug/L		95
57) 2-Hexanone	9.593	43	38843	21.04	ug/L		94
58) Chlorobenzene	9.867	112	43452	10.27	ug/L		96
59) Ethylbenzene	9.891	91	72009	10.31	ug/L		99
60) 1,1,1,2-Tetrachloroethane	9.928	131	13632	12.20	ug/L		96
61) m,p-Xylenes (2)	10.025	91	105303	20.09	ug/L		98
62) o-Xylene	10.409	91	53858	10.41	ug/L		99
63) Styrene	10.457	104	41533	10.17	ug/L		97
64) Bromoform	10.482	173	9970	10.70	ug/L		97
65) Isopropylbenzene	10.676	105	63893	10.61	ug/L		99

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111311.D
Acq On : 13 Nov 2020 11:28 pm
Operator : TNL
Sample : 0K13048-CAL7
Misc : 1X 5mL 10 PPB VOCR0
ALS Vial : 11 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 15:33:25 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:20:14 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
68) Bromobenzene	11.005	156	17497	10.59	ug/L		86
69) n-Propylbenzene	11.017	91	72033	10.26	ug/L		97
70) 1,1,2,2-Tetrachloroethane	11.090	85	14772	10.40	ug/L		94
71) 2-Chlorotoluene	11.151	126	15290	10.97	ug/L		94
72) 1,3,5-Trimethylbenzene	11.175	105	49555	10.75	ug/L		98
73) 1,2,3-Trichloropropane	11.199	110	7800	10.71	ug/L		90
74) t-1,4-Dichloro-2-butene	11.230	53	4653	11.11	ug/L	#	73
75) 4-Chlorotoluene	11.285	91	45388	10.66	ug/L		95
76) tert-Butylbenzene	11.431	91	28884	11.20	ug/L		93
77) 1,2,4-Trimethylbenzene	11.485	105	48901	10.72	ug/L		97
78) sec-Butylbenzene	11.564	105	59481	10.62	ug/L		100
79) 4-Isopropyltoluene	11.674	119	48577	10.60	ug/L		99
80) 1,3-Dichlorobenzene	11.747	146	29374	10.57	ug/L		99
81) 1,4-Dichlorobenzene	11.814	146	30242	9.65	ug/L		96
82) n-Butylbenzene	11.996	91	40346	10.65	ug/L		97
83) 1,2-Dichlorobenzene	12.130	146	28364	10.33	ug/L		98
84) 1,2-Dibromo-3-Chloropr...	12.745	157	5159	11.79	ug/L		83
85) Hexachlorobutadiene	13.243	223	4106	10.14	ug/L		87
86) 1,2,4-Trichlorobenzene	13.286	180	13268	9.79	ug/L		96
87) Naphthalene	13.566	128	40566	8.57	ug/L		98
88) 1,2,3-Trichlorobenzene	13.724	180	12481	8.87	ug/L		94

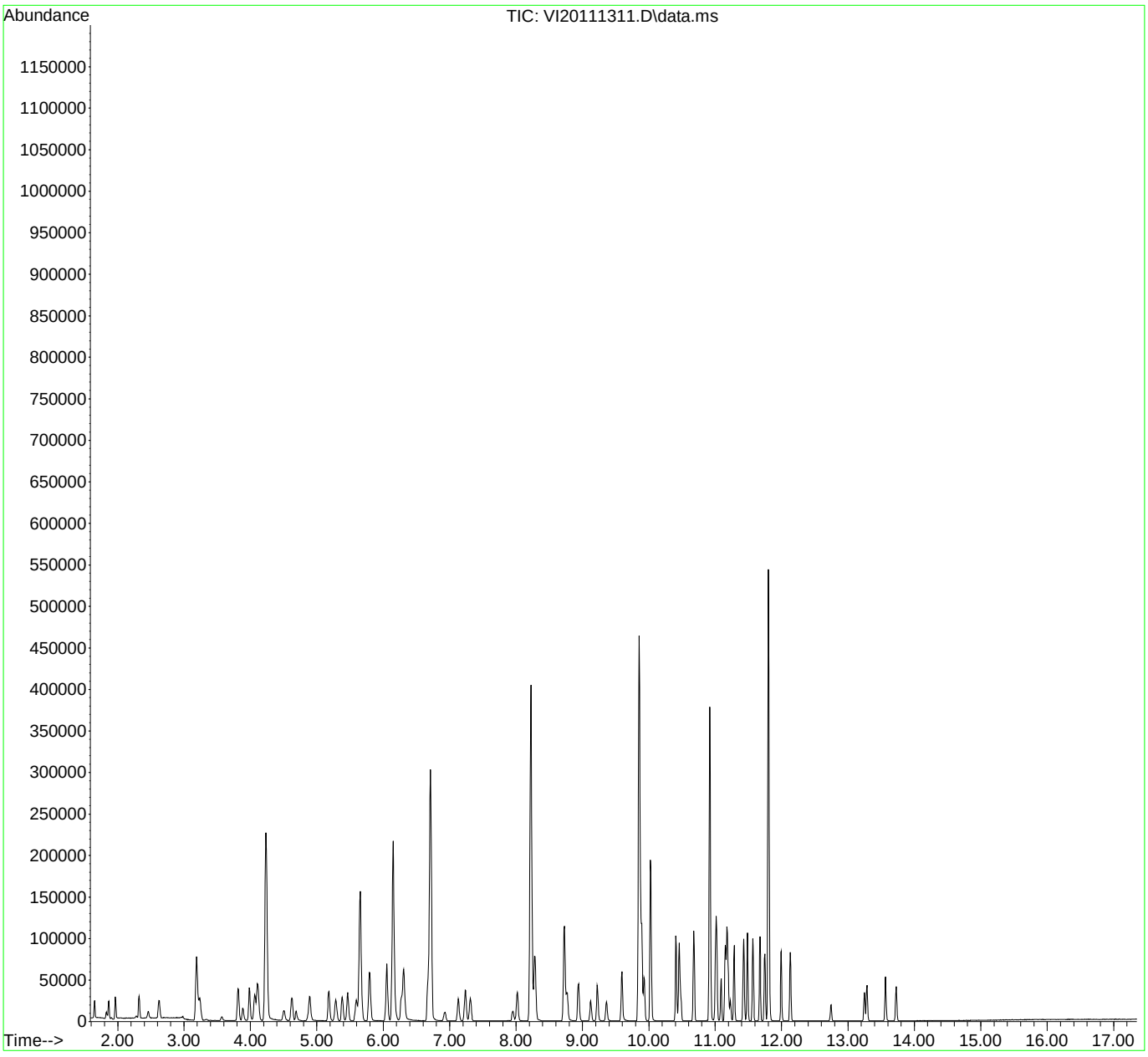
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111311.D
Acq On : 13 Nov 2020 11:28 pm
Operator : TNL
Sample : 0K13048-CAL7
Misc : 1X 5mL 10 PPB VOCR0
ALS Vial : 11 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 15:33:25 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:20:14 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111312.D
Acq On : 13 Nov 2020 11:56 pm
Operator : TNL
Sample : 0K13048-CAL8
Misc : 1X 5mL 20 PPB VOCR0
ALS Vial : 12 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

11/15/20 TNL

Quant Time: Nov 14 15:35:18 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:20:14 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.150	99	89364	50.00	ug/L	#	0.00
45) Chlorobenzene-d5 (I)	9.855	117	243291	50.00	ug/L		0.00
66) 1,4-Dichlorobenzene-d4...	11.802	152	114124	50.00	ug/L		0.00
System Monitoring Compounds							
32) Dibromofluoromethane (S)	5.651	111	84266	49.00	ug/L		0.00
39) 1,4-Difluorobenzene (S)	6.710	114	279513	50.72	ug/L		0.00
48) Toluene-d8 (S)	8.224	98	315549	48.55	ug/L		0.00
67) 4-Bromofluorobenzene (S)	10.919	174	97178	50.80	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.654	85	25418	15.01	ug/L		99
3) Chloromethane	1.867	50	31975	18.00	ug/L		96
4) Vinyl Chloride	1.970	62	35859	18.84	ug/L		95
5) Bromomethane	2.329	96	22109	16.56	ug/L		97
6) Chloroethane	2.457	64	10347	15.03	ug/L		86
7) Trichlorofluoromethane	2.621	101	34357	15.31	ug/L		98
8) Ethanol	3.187	45	62311	1524.34	ug/L		87
9) 1,1-Dichloroethene	3.187	61	46239	21.62	ug/L		95
10) Carbon Disulfide	3.205	76	80040	20.44	ug/L		99
11) Freon 113	3.236	101	28163	21.62	ug/L		98
12) Iodomethane	3.339	142	6178	12.86	ug/L		92
13) Acrolein	3.570	56	9379	23.15	ug/L		75
14) Methylene Chloride	3.820	84	33962	19.35	ug/L		93
15) Acetone	3.887	43	39831	38.90	ug/L		97
16) t-1,2-Dichloroethene	3.984	61	44691	21.63	ug/L		96
17) n-Hexane	4.069	86	5410	19.87	ug/L	#	94
18) Methyl-tert-butyl-ether	4.112	73	105671	24.63	ug/L		94
19) tert-Butanol (TBA)	4.234	59	618225	1642.07	ug/L		83
20) Diisopropyl ether (DIPE)	4.507	45	24319	5.13	ug/L		94
21) 1,1-Dichloroethane	4.629	63	59877	21.12	ug/L		96
22) Acrylonitrile	4.690	53	20267	20.58	ug/L		99
23) Ethyl-tert-butyl ether...	4.878	59	23886	5.81	ug/L		96
24) Vinyl Acetate	4.897	43	81004	29.70	ug/L		98
25) c-1,2-Dichloroethene	5.183	61	45441	21.20	ug/L		95

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111312.D
Acq On : 13 Nov 2020 11:56 pm
Operator : TNL
Sample : 0K13048-CAL8
Misc : 1X 5mL 20 PPB VOCR0
ALS Vial : 12 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 15:35:18 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:20:14 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) 2,2-Dichloropropane	5.286	77	38171	36.26	ug/L		95
27) Bromochloromethane	5.383	130	23157	21.91	ug/L		95
28) Chloroform	5.462	83	59335	21.57	ug/L		98
29) Carbon Tetrachloride	5.596	117	37937	31.42	ug/L		93
30) Tetrahydrofuran	5.633	42	20705	20.13	ug/L		91
31) 1,1,1-Trichloroethane	5.669	97	50616	25.72	ug/L		97
33) 1,1-Dichloropropene	5.797	75	44301	21.64	ug/L		97
34) 2-Butanone (MEK)	5.791	43	61024	40.73	ug/L		99
35) Benzene	6.053	78	134400	21.08	ug/L		97
36) tert-Amyl methyl ether...	6.180	73	23197	6.56	ug/L		92
37) 1,2-Dichloroethane (EDC)	6.272	62	48199	21.58	ug/L		96
38) iso-Butyl Alcohol	6.308	43	94553	630.19	ug/L		94
40) Trichloroethene (TCE)	6.673	130	36762	22.07	ug/L		98
41) Tert-Amyl-Ethyl-Ether ...	6.929	59	15042	7.52	ug/L		84
42) Dibromomethane	7.129	93	23028	21.76	ug/L		96
43) 1,2-Dichloropropane	7.239	63	34397	20.77	ug/L		95
44) Bromodichloromethane	7.312	83	42841	22.81	ug/L		93
46) 2-Chloroethyl Vinyl Ether	7.951	63	14588	17.40	ug/L	#	100
47) c-1,3-Dichloropropene	8.018	75	49749	24.07	ug/L		93
49) Toluene	8.285	91	136982	20.07	ug/L		98
50) Tetrachloroethene (PCE)	8.729	166	34263	20.67	ug/L		93
51) 4-Methyl-2-Pentanone (...	8.729	43	110026	42.24	ug/L		96
52) t-1,3-Dichloropropene	8.766	75	43342	25.54	ug/L		97
53) 1,1,2-Trichloroethane	8.942	97	33033	21.06	ug/L		96
54) Dibromochloromethane	9.125	129	31273	24.79	ug/L		99
55) 1,3-Dichloropropane	9.222	76	55738	21.28	ug/L		95
56) 1,2-Dibromoethane (EDB)	9.362	107	34993	21.96	ug/L		96
57) 2-Hexanone	9.593	43	81022	43.62	ug/L		94
58) Chlorobenzene	9.867	112	88935	20.90	ug/L		96
59) Ethylbenzene	9.891	91	146185	20.81	ug/L		99
60) 1,1,1,2-Tetrachloroethane	9.928	131	28373	24.46	ug/L		97
61) m,p-Xylenes (2)	10.025	91	217739	41.30	ug/L		98
62) o-Xylene	10.408	91	111706	21.46	ug/L		98
63) Styrene	10.457	104	88327	21.51	ug/L		95
64) Bromoform	10.481	173	22022	22.18	ug/L		99
65) Isopropylbenzene	10.676	105	133760	22.08	ug/L		99

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111312.D
Acq On : 13 Nov 2020 11:56 pm
Operator : TNL
Sample : 0K13048-CAL8
Misc : 1X 5mL 20 PPB VOCR0
ALS Vial : 12 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 15:35:18 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:20:14 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) Bromobenzene	11.005	156	36574	21.39	ug/L	88
69) n-Propylbenzene	11.023	91	154056	21.21	ug/L	100
70) 1,1,2,2-Tetrachloroethane	11.090	85	30242	20.59	ug/L	94
71) 2-Chlorotoluene	11.151	126	32294	22.40	ug/L	97
72) 1,3,5-Trimethylbenzene	11.175	105	105694	22.17	ug/L	97
73) 1,2,3-Trichloropropane	11.193	110	15407	20.45	ug/L	99
74) t-1,4-Dichloro-2-butene	11.230	53	10065	23.22	ug/L	81
75) 4-Chlorotoluene	11.284	91	95394	21.65	ug/L	96
76) tert-Butylbenzene	11.430	91	60490	22.66	ug/L	94
77) 1,2,4-Trimethylbenzene	11.485	105	104778	22.21	ug/L	96
78) sec-Butylbenzene	11.564	105	128070	22.11	ug/L	99
79) 4-Isopropyltoluene	11.674	119	105216	22.20	ug/L	99
80) 1,3-Dichlorobenzene	11.747	146	61667	21.44	ug/L	100
81) 1,4-Dichlorobenzene	11.814	146	63508	19.58	ug/L	97
82) n-Butylbenzene	11.996	91	88657	22.63	ug/L	97
83) 1,2-Dichlorobenzene	12.130	146	59641	20.99	ug/L	98
84) 1,2-Dibromo-3-Chloropr...	12.744	157	11148	23.43	ug/L	88
85) Hexachlorobutadiene	13.249	223	9202	21.96	ug/L	95
86) 1,2,4-Trichlorobenzene	13.286	180	31129	22.19	ug/L	96
87) Naphthalene	13.566	128	98380	19.56	ug/L	99
88) 1,2,3-Trichlorobenzene	13.724	180	29513	20.26	ug/L	98

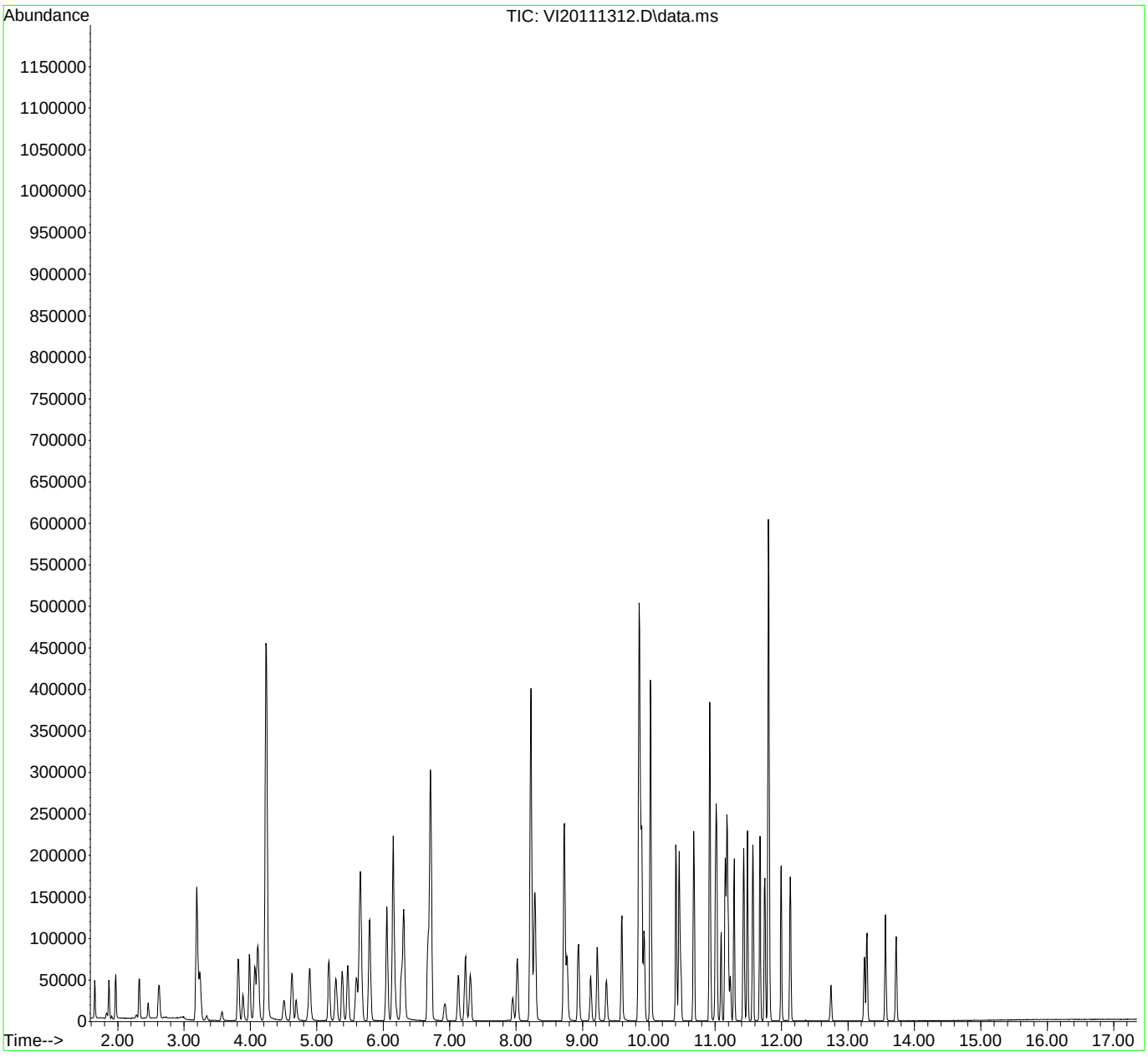
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111312.D
Acq On : 13 Nov 2020 11:56 pm
Operator : TNL
Sample : 0K13048-CAL8
Misc : 1X 5mL 20 PPB VOCR0
ALS Vial : 12 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 15:35:18 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:20:14 2020
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111312.D
Acq On : 13 Nov 2020 11:56 pm
Operator : TNL
Sample : 0K13048-CAL8
Misc : 1X 5mL 20 PPB VOCR0
ALS Vial : 12 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

11/15/20 TNL

Quant Time: Nov 14 15:35:18 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:20:14 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.150	99	89364	50.00	ug/L	#	0.00
45) Chlorobenzene-d5 (I)	9.855	117	243291	50.00	ug/L		0.00
66) 1,4-Dichlorobenzene-d4...	11.802	152	114124	50.00	ug/L		0.00
System Monitoring Compounds							
32) Dibromofluoromethane (S)	5.651	111	84266	49.00	ug/L		0.00
39) 1,4-Difluorobenzene (S)	6.710	114	279513	50.72	ug/L		0.00
48) Toluene-d8 (S)	8.224	98	315549	48.55	ug/L		0.00
67) 4-Bromofluorobenzene (S)	10.919	174	97178	50.80	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.654	85	25418	15.01	ug/L		99
3) Chloromethane	1.867	50	31975	18.00	ug/L		96
4) Vinyl Chloride	1.970	62	35859	18.84	ug/L		95
5) Bromomethane	2.329	96	22109	16.56	ug/L		97
6) Chloroethane	2.457	64	10347	15.03	ug/L		86
7) Trichlorofluoromethane	2.621	101	34357	15.31	ug/L		98
8) Ethanol	3.187	45	62311	1524.34	ug/L		87
9) 1,1-Dichloroethene	3.187	61	46239	21.62	ug/L		95
10) Carbon Disulfide	3.205	76	80040	20.44	ug/L		99
11) Freon 113	3.236	101	28163	21.62	ug/L		98
12) Iodomethane	3.339	142	6178	12.86	ug/L		92
13) Acrolein	3.570	56	9379	23.15	ug/L		75
14) Methylene Chloride	3.820	84	33962	19.35	ug/L		93
15) Acetone	3.887	43	39831	38.90	ug/L		97
16) t-1,2-Dichloroethene	3.984	61	44691	21.63	ug/L		96
17) n-Hexane	4.069	86	5410	19.87	ug/L	#	94
18) Methyl-tert-butyl-ether	4.112	73	105671	24.63	ug/L		94
19) tert-Butanol (TBA)	4.234	59	618225	1642.07	ug/L		83
20) Diisopropyl ether (DIPE)	4.507	45	24319	5.13	ug/L		94
21) 1,1-Dichloroethane	4.629	63	59877	21.12	ug/L		96
22) Acrylonitrile	4.690	53	20267	20.58	ug/L		99
23) Ethyl-tert-butyl ether...	4.878	59	23886	5.81	ug/L		96
24) Vinyl Acetate	4.897	43	81004	29.70	ug/L		98
25) c-1,2-Dichloroethene	5.183	61	45441	21.20	ug/L		95

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111312.D
Acq On : 13 Nov 2020 11:56 pm
Operator : TNL
Sample : 0K13048-CAL8
Misc : 1X 5mL 20 PPB VOCR0
ALS Vial : 12 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 15:35:18 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:20:14 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) 2,2-Dichloropropane	5.286	77	38171	36.26	ug/L		95
27) Bromochloromethane	5.383	130	23157	21.91	ug/L		95
28) Chloroform	5.462	83	59335	21.57	ug/L		98
29) Carbon Tetrachloride	5.596	117	37937	31.42	ug/L		93
30) Tetrahydrofuran	5.633	42	20705	20.13	ug/L		91
31) 1,1,1-Trichloroethane	5.669	97	50616	25.72	ug/L		97
33) 1,1-Dichloropropene	5.797	75	44301	21.64	ug/L		97
34) 2-Butanone (MEK)	5.791	43	61024	40.73	ug/L		99
35) Benzene	6.053	78	134400	21.08	ug/L		97
36) tert-Amyl methyl ether...	6.180	73	23197	6.56	ug/L		92
37) 1,2-Dichloroethane (EDC)	6.272	62	48199	21.58	ug/L		96
38) iso-Butyl Alcohol	6.308	43	94553	630.19	ug/L		94
40) Trichloroethene (TCE)	6.673	130	36762	22.07	ug/L		98
41) Tert-Amyl-Ethyl-Ether ...	6.929	59	15042	7.52	ug/L		84
42) Dibromomethane	7.129	93	23028	21.76	ug/L		96
43) 1,2-Dichloropropane	7.239	63	34397	20.77	ug/L		95
44) Bromodichloromethane	7.312	83	42841	22.81	ug/L		93
46) 2-Chloroethyl Vinyl Ether	7.951	63	14588	17.40	ug/L	#	100
47) c-1,3-Dichloropropene	8.018	75	49749	24.07	ug/L		93
49) Toluene	8.285	91	136982	20.07	ug/L		98
50) Tetrachloroethene (PCE)	8.729	166	34263	20.67	ug/L		93
51) 4-Methyl-2-Pentanone (...	8.729	43	110026	42.24	ug/L		96
52) t-1,3-Dichloropropene	8.766	75	43342	25.54	ug/L		97
53) 1,1,2-Trichloroethane	8.942	97	33033	21.06	ug/L		96
54) Dibromochloromethane	9.125	129	31273	24.79	ug/L		99
55) 1,3-Dichloropropane	9.222	76	55738	21.28	ug/L		95
56) 1,2-Dibromoethane (EDB)	9.362	107	34993	21.96	ug/L		96
57) 2-Hexanone	9.593	43	81022	43.62	ug/L		94
58) Chlorobenzene	9.867	112	88935	20.90	ug/L		96
59) Ethylbenzene	9.891	91	146185	20.81	ug/L		99
60) 1,1,1,2-Tetrachloroethane	9.928	131	28373	24.46	ug/L		97
61) m,p-Xylenes (2)	10.025	91	217739	41.30	ug/L		98
62) o-Xylene	10.408	91	111706	21.46	ug/L		98
63) Styrene	10.457	104	88327	21.51	ug/L		95
64) Bromoform	10.481	173	22022	22.18	ug/L		99
65) Isopropylbenzene	10.676	105	133760	22.08	ug/L		99

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111312.D
Acq On : 13 Nov 2020 11:56 pm
Operator : TNL
Sample : 0K13048-CAL8
Misc : 1X 5mL 20 PPB VOCR0
ALS Vial : 12 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 15:35:18 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:20:14 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) Bromobenzene	11.005	156	36574	21.39	ug/L	88
69) n-Propylbenzene	11.023	91	154056	21.21	ug/L	100
70) 1,1,2,2-Tetrachloroethane	11.090	85	30242	20.59	ug/L	94
71) 2-Chlorotoluene	11.151	126	32294	22.40	ug/L	97
72) 1,3,5-Trimethylbenzene	11.175	105	105694	22.17	ug/L	97
73) 1,2,3-Trichloropropane	11.193	110	15407	20.45	ug/L	99
74) t-1,4-Dichloro-2-butene	11.230	53	10065	23.22	ug/L	81
75) 4-Chlorotoluene	11.284	91	95394	21.65	ug/L	96
76) tert-Butylbenzene	11.430	91	60490	22.66	ug/L	94
77) 1,2,4-Trimethylbenzene	11.485	105	104778	22.21	ug/L	96
78) sec-Butylbenzene	11.564	105	128070	22.11	ug/L	99
79) 4-Isopropyltoluene	11.674	119	105216	22.20	ug/L	99
80) 1,3-Dichlorobenzene	11.747	146	61667	21.44	ug/L	100
81) 1,4-Dichlorobenzene	11.814	146	63508	19.58	ug/L	97
82) n-Butylbenzene	11.996	91	88657	22.63	ug/L	97
83) 1,2-Dichlorobenzene	12.130	146	59641	20.99	ug/L	98
84) 1,2-Dibromo-3-Chloropr...	12.744	157	11148	23.43	ug/L	88
85) Hexachlorobutadiene	13.249	223	9202	21.96	ug/L	95
86) 1,2,4-Trichlorobenzene	13.286	180	31129	22.19	ug/L	96
87) Naphthalene	13.566	128	98380	19.56	ug/L	99
88) 1,2,3-Trichlorobenzene	13.724	180	29513	20.26	ug/L	98

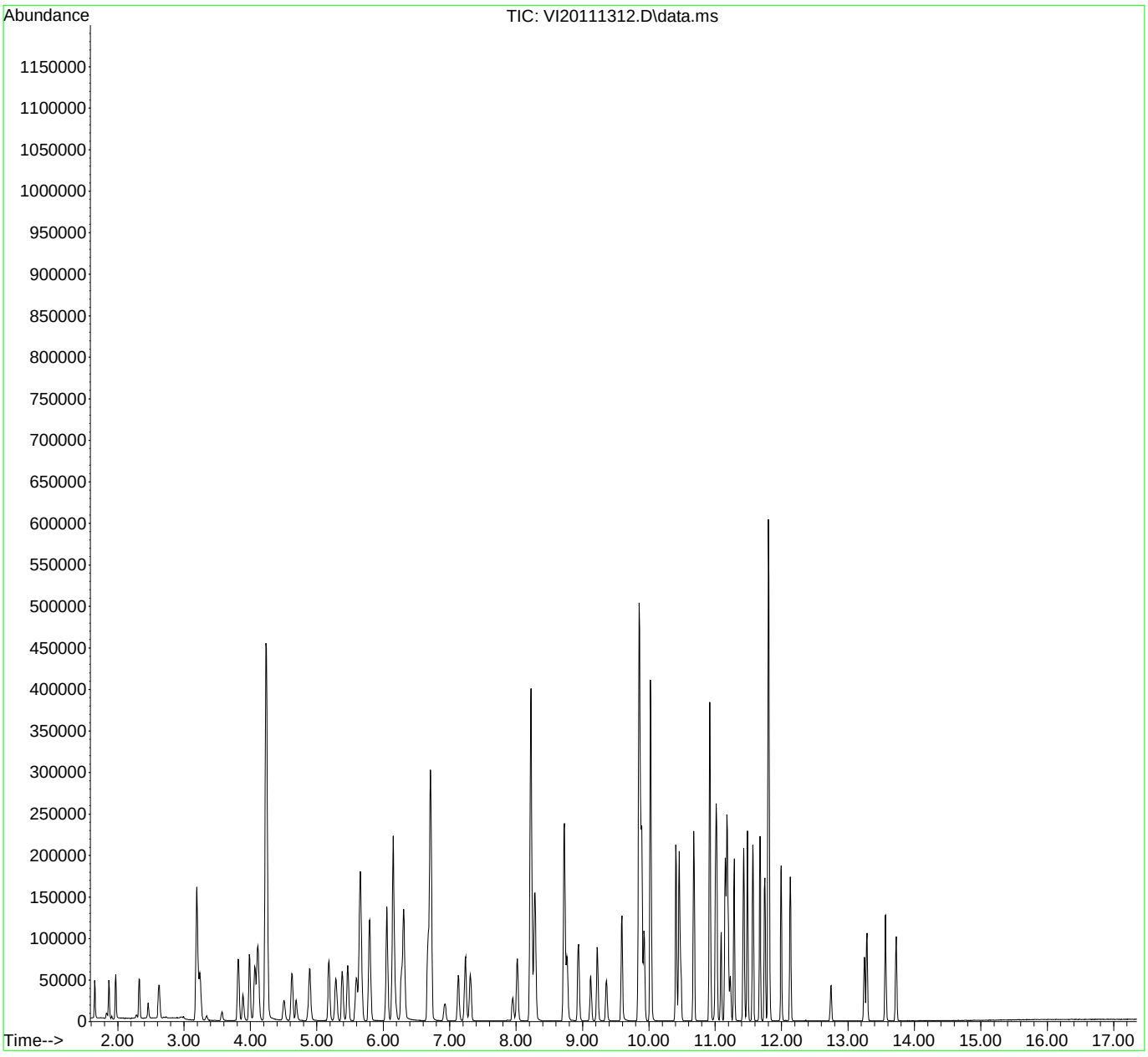
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111312.D
Acq On : 13 Nov 2020 11:56 pm
Operator : TNL
Sample : 0K13048-CAL8
Misc : 1X 5mL 20 PPB VOCR0
ALS Vial : 12 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 15:35:18 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:20:14 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111313.D
Acq On : 14 Nov 2020 12:23 am
Operator : TNL
Sample : 0K13048-CAL9
Misc : 1X 5mL 50 PPB VOCR0
ALS Vial : 13 Sample Multiplier: 1 11/15/20 TNL
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 15:37:15 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:20:14 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (I)	6.150	99	88120	50.00	ug/L	# 0.00
45) Chlorobenzene-d5 (I)	9.855	117	240956	50.00	ug/L	0.00
66) 1,4-Dichlorobenzene-d4...	11.802	152	118220	50.00	ug/L	0.00
System Monitoring Compounds						
32) Dibromofluoromethane (S)	5.651	111	86213	50.84	ug/L	0.00
39) 1,4-Difluorobenzene (S)	6.710	114	279525	51.44	ug/L	0.00
48) Toluene-d8 (S)	8.225	98	312749	48.58	ug/L	0.00
67) 4-Bromofluorobenzene (S)	10.920	174	97925	49.42	ug/L	0.00
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.648	85	88888	53.25	ug/L	99
3) Chloromethane	1.861	50	88996	50.81	ug/L	95
4) Vinyl Chloride	1.965	62	101412	54.02	ug/L	97
5) Bromomethane	2.324	96	52427	39.82	ug/L	97
6) Chloroethane	2.457	64	32311	46.01	ug/L	84
7) Trichlorofluoromethane	2.622	101	89630	40.51	ug/L	96
8) Ethanol	3.187	45	120573	2991.27	ug/L	88
9) 1,1-Dichloroethene	3.181	61	118327	56.11	ug/L	98
10) Carbon Disulfide	3.200	76	210364	54.47	ug/L	99
11) Freon 113	3.236	101	71945	56.02	ug/L	96
12) Iodomethane	3.333	142	43280	48.12	ug/L	93
13) Acrolein	3.565	56	24795	62.07	ug/L	72
14) Methylene Chloride	3.814	84	83401	48.18	ug/L	94
15) Acetone	3.881	43	96291	95.36	ug/L	97
16) t-1,2-Dichloroethene	3.984	61	113877	55.89	ug/L	95
17) n-Hexane	4.063	86	14715	54.81	ug/L	93
18) Methyl-tert-butyl-ether	4.106	73	266647	63.04	ug/L	95
19) tert-Butanol (TBA)	4.234	59	1217666	3137.42	ug/L	82
20) Diisopropyl ether (DIPE)	4.501	45	47934	10.26	ug/L	94
21) 1,1-Dichloroethane	4.623	63	149749	53.56	ug/L	96
22) Acrylonitrile	4.684	53	51964	53.51	ug/L	100
23) Ethyl-tert-butyl ether...	4.879	59	47620	11.75	ug/L	98
24) Vinyl Acetate	4.891	43	209953	78.07	ug/L	98
25) c-1,2-Dichloroethene	5.177	61	114421	54.13	ug/L	97

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111313.D
Acq On : 14 Nov 2020 12:23 am
Operator : TNL
Sample : 0K13048-CAL9
Misc : 1X 5mL 50 PPB VOCR0
ALS Vial : 13 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 15:37:15 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:20:14 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) 2,2-Dichloropropane	5.286	77	94011	90.57	ug/L		94
27) Bromochloromethane	5.384	130	58111	55.75	ug/L		96
28) Chloroform	5.463	83	148631	54.79	ug/L		97
29) Carbon Tetrachloride	5.596	117	97361	81.78	ug/L		95
30) Tetrahydrofuran	5.633	42	51858	51.14	ug/L		88
31) 1,1,1-Trichloroethane	5.669	97	126609	65.25	ug/L		96
33) 1,1-Dichloropropene	5.797	75	110980	54.98	ug/L		95
34) 2-Butanone (MEK)	5.785	43	152793	103.42	ug/L		99
35) Benzene	6.053	78	336336	53.51	ug/L		98
36) tert-Amyl methyl ether...	6.174	73	45262	12.97	ug/L		93
37) 1,2-Dichloroethane (EDC)	6.272	62	119844	54.42	ug/L		92
38) iso-Butyl Alcohol	6.302	43	244161	1573.79	ug/L		93
40) Trichloroethene (TCE)	6.673	130	91434	55.66	ug/L		97
41) Tert-Amyl-Ethyl-Ether ...	6.923	59	27468	13.93	ug/L		87
42) Dibromomethane	7.130	93	58046	55.62	ug/L		97
43) 1,2-Dichloropropane	7.239	63	86368	52.89	ug/L		92
44) Bromodichloromethane	7.312	83	110686	59.77	ug/L		93
46) 2-Chloroethyl Vinyl Ether	7.951	63	38742	46.65	ug/L	#	100
47) c-1,3-Dichloropropene	8.018	75	129364	63.20	ug/L		92
49) Toluene	8.279	91	338804	50.12	ug/L		98
50) Tetrachloroethene (PCE)	8.723	166	84912	51.72	ug/L		89
51) 4-Methyl-2-Pentanone (...	8.723	43	275151	106.66	ug/L		98
52) t-1,3-Dichloropropene	8.766	75	116190	64.37	ug/L		97
53) 1,1,2-Trichloroethane	8.936	97	82459	53.09	ug/L		95
54) Dibromochloromethane	9.125	129	82823	66.30	ug/L		97
55) 1,3-Dichloropropane	9.222	76	138414	53.36	ug/L		96
56) 1,2-Dibromoethane (EDB)	9.362	107	88513	56.08	ug/L		95
57) 2-Hexanone	9.593	43	204160	110.99	ug/L		93
58) Chlorobenzene	9.867	112	217893	51.69	ug/L		97
59) Ethylbenzene	9.891	91	362631	52.12	ug/L		99
60) 1,1,1,2-Tetrachloroethane	9.928	131	74001	60.74	ug/L		97
61) m,p-Xylenes (2)	10.025	91	544810	104.34	ug/L		98
62) o-Xylene	10.409	91	277647	53.86	ug/L		99
63) Styrene	10.457	104	225096	55.34	ug/L		96
64) Bromoform	10.482	173	62340	58.39	ug/L		98
65) Isopropylbenzene	10.676	105	328660	54.77	ug/L		99

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111313.D
Acq On : 14 Nov 2020 12:23 am
Operator : TNL
Sample : 0K13048-CAL9
Misc : 1X 5mL 50 PPB VOCR0
ALS Vial : 13 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 15:37:15 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:20:14 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) Bromobenzene	11.005	156	92498	52.22	ug/L	86
69) n-Propylbenzene	11.023	91	381343	50.67	ug/L	99
70) 1,1,2,2-Tetrachloroethane	11.090	85	76960	50.58	ug/L	95
71) 2-Chlorotoluene	11.151	126	80756	54.08	ug/L	100
72) 1,3,5-Trimethylbenzene	11.175	105	263164	53.28	ug/L	98
73) 1,2,3-Trichloropropane	11.193	110	39064	50.05	ug/L	96
74) t-1,4-Dichloro-2-butene	11.224	53	25316	56.38	ug/L	82
75) 4-Chlorotoluene	11.285	91	237730	52.08	ug/L	98
76) tert-Butylbenzene	11.431	91	148163	53.59	ug/L	96
77) 1,2,4-Trimethylbenzene	11.485	105	264544	54.12	ug/L	97
78) sec-Butylbenzene	11.564	105	317521	52.91	ug/L	99
79) 4-Isopropyltoluene	11.674	119	262673	53.50	ug/L	99
80) 1,3-Dichlorobenzene	11.747	146	156685	52.59	ug/L	99
81) 1,4-Dichlorobenzene	11.814	146	160797	47.87	ug/L	98
82) n-Butylbenzene	11.996	91	224446	55.30	ug/L	99
83) 1,2-Dichlorobenzene	12.130	146	151239	51.38	ug/L	99
84) 1,2-Dibromo-3-Chloropr...	12.745	157	31025	59.02	ug/L	95
85) Hexachlorobutadiene	13.243	223	22461	51.75	ug/L	96
86) 1,2,4-Trichlorobenzene	13.286	180	82615	56.86	ug/L	97
87) Naphthalene	13.566	128	266831	48.70	ug/L	98
88) 1,2,3-Trichlorobenzene	13.724	180	76998	51.03	ug/L	97

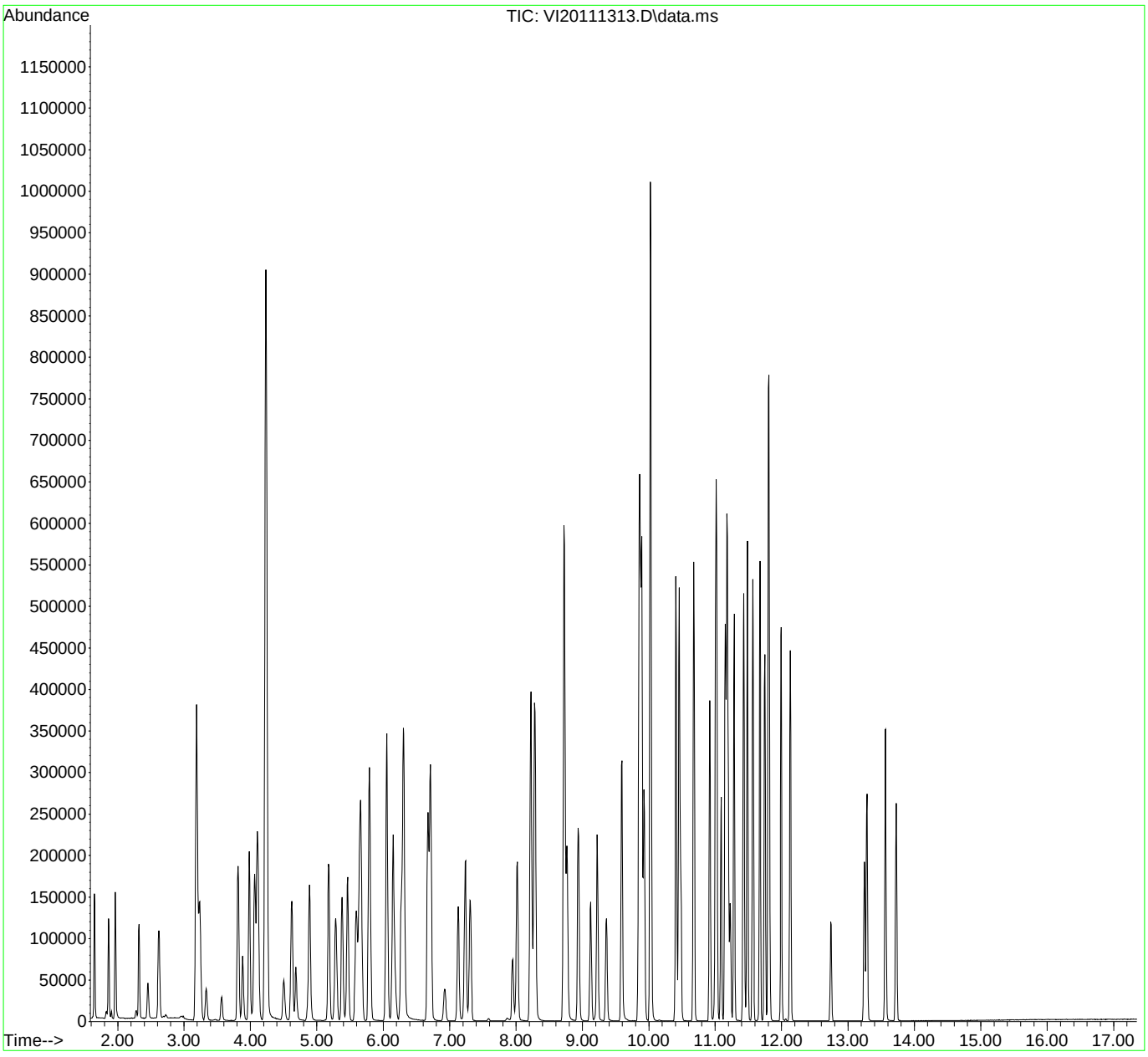
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111313.D
Acq On : 14 Nov 2020 12:23 am
Operator : TNL
Sample : 0K13048-CAL9
Misc : 1X 5mL 50 PPB VOCR0
ALS Vial : 13 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 15:37:15 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:20:14 2020
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111313.D
Acq On : 14 Nov 2020 12:23 am
Operator : TNL
Sample : 0K13048-CAL9
Misc : 1X 5mL 50 PPB VOCR0
ALS Vial : 13 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

11/15/20 TNL

Quant Time: Nov 14 15:37:15 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:20:14 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (I)	6.150	99	88120	50.00	ug/L	# 0.00
45) Chlorobenzene-d5 (I)	9.855	117	240956	50.00	ug/L	0.00
66) 1,4-Dichlorobenzene-d4...	11.802	152	118220	50.00	ug/L	0.00
System Monitoring Compounds						
32) Dibromofluoromethane (S)	5.651	111	86213	50.84	ug/L	0.00
39) 1,4-Difluorobenzene (S)	6.710	114	279525	51.44	ug/L	0.00
48) Toluene-d8 (S)	8.225	98	312749	48.58	ug/L	0.00
67) 4-Bromofluorobenzene (S)	10.920	174	97925	49.42	ug/L	0.00
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.648	85	88888	53.25	ug/L	99
3) Chloromethane	1.861	50	88996	50.81	ug/L	95
4) Vinyl Chloride	1.965	62	101412	54.02	ug/L	97
5) Bromomethane	2.324	96	52427	39.82	ug/L	97
6) Chloroethane	2.457	64	32311	46.01	ug/L	84
7) Trichlorofluoromethane	2.622	101	89630	40.51	ug/L	96
8) Ethanol	3.187	45	120573	2991.27	ug/L	88
9) 1,1-Dichloroethene	3.181	61	118327	56.11	ug/L	98
10) Carbon Disulfide	3.200	76	210364	54.47	ug/L	99
11) Freon 113	3.236	101	71945	56.02	ug/L	96
12) Iodomethane	3.333	142	43280	48.12	ug/L	93
13) Acrolein	3.565	56	24795	62.07	ug/L	72
14) Methylene Chloride	3.814	84	83401	48.18	ug/L	94
15) Acetone	3.881	43	96291	95.36	ug/L	97
16) t-1,2-Dichloroethene	3.984	61	113877	55.89	ug/L	95
17) n-Hexane	4.063	86	14715	54.81	ug/L	93
18) Methyl-tert-butyl-ether	4.106	73	266647	63.04	ug/L	95
19) tert-Butanol (TBA)	4.234	59	1217666	3137.42	ug/L	82
20) Diisopropyl ether (DIPE)	4.501	45	47934	10.26	ug/L	94
21) 1,1-Dichloroethane	4.623	63	149749	53.56	ug/L	96
22) Acrylonitrile	4.684	53	51964	53.51	ug/L	100
23) Ethyl-tert-butyl ether...	4.879	59	47620	11.75	ug/L	98
24) Vinyl Acetate	4.891	43	209953	78.07	ug/L	98
25) c-1,2-Dichloroethene	5.177	61	114421	54.13	ug/L	97

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111313.D
Acq On : 14 Nov 2020 12:23 am
Operator : TNL
Sample : 0K13048-CAL9
Misc : 1X 5mL 50 PPB VOCR0
ALS Vial : 13 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 15:37:15 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:20:14 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) 2,2-Dichloropropane	5.286	77	94011	90.57	ug/L		94
27) Bromochloromethane	5.384	130	58111	55.75	ug/L		96
28) Chloroform	5.463	83	148631	54.79	ug/L		97
29) Carbon Tetrachloride	5.596	117	97361	81.78	ug/L		95
30) Tetrahydrofuran	5.633	42	51858	51.14	ug/L		88
31) 1,1,1-Trichloroethane	5.669	97	126609	65.25	ug/L		96
33) 1,1-Dichloropropene	5.797	75	110980	54.98	ug/L		95
34) 2-Butanone (MEK)	5.785	43	152793	103.42	ug/L		99
35) Benzene	6.053	78	336336	53.51	ug/L		98
36) tert-Amyl methyl ether...	6.174	73	45262	12.97	ug/L		93
37) 1,2-Dichloroethane (EDC)	6.272	62	119844	54.42	ug/L		92
38) iso-Butyl Alcohol	6.302	43	244161	1573.79	ug/L		93
40) Trichloroethene (TCE)	6.673	130	91434	55.66	ug/L		97
41) Tert-Amyl-Ethyl-Ether ...	6.923	59	27468	13.93	ug/L		87
42) Dibromomethane	7.130	93	58046	55.62	ug/L		97
43) 1,2-Dichloropropane	7.239	63	86368	52.89	ug/L		92
44) Bromodichloromethane	7.312	83	110686	59.77	ug/L		93
46) 2-Chloroethyl Vinyl Ether	7.951	63	38742	46.65	ug/L	#	100
47) c-1,3-Dichloropropene	8.018	75	129364	63.20	ug/L		92
49) Toluene	8.279	91	338804	50.12	ug/L		98
50) Tetrachloroethene (PCE)	8.723	166	84912	51.72	ug/L		89
51) 4-Methyl-2-Pentanone (...	8.723	43	275151	106.66	ug/L		98
52) t-1,3-Dichloropropene	8.766	75	116190	64.37	ug/L		97
53) 1,1,2-Trichloroethane	8.936	97	82459	53.09	ug/L		95
54) Dibromochloromethane	9.125	129	82823	66.30	ug/L		97
55) 1,3-Dichloropropane	9.222	76	138414	53.36	ug/L		96
56) 1,2-Dibromoethane (EDB)	9.362	107	88513	56.08	ug/L		95
57) 2-Hexanone	9.593	43	204160	110.99	ug/L		93
58) Chlorobenzene	9.867	112	217893	51.69	ug/L		97
59) Ethylbenzene	9.891	91	362631	52.12	ug/L		99
60) 1,1,1,2-Tetrachloroethane	9.928	131	74001	60.74	ug/L		97
61) m,p-Xylenes (2)	10.025	91	544810	104.34	ug/L		98
62) o-Xylene	10.409	91	277647	53.86	ug/L		99
63) Styrene	10.457	104	225096	55.34	ug/L		96
64) Bromoform	10.482	173	62340	58.39	ug/L		98
65) Isopropylbenzene	10.676	105	328660	54.77	ug/L		99

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111313.D
Acq On : 14 Nov 2020 12:23 am
Operator : TNL
Sample : 0K13048-CAL9
Misc : 1X 5mL 50 PPB VOCR0
ALS Vial : 13 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 15:37:15 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:20:14 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) Bromobenzene	11.005	156	92498	52.22	ug/L	86
69) n-Propylbenzene	11.023	91	381343	50.67	ug/L	99
70) 1,1,2,2-Tetrachloroethane	11.090	85	76960	50.58	ug/L	95
71) 2-Chlorotoluene	11.151	126	80756	54.08	ug/L	100
72) 1,3,5-Trimethylbenzene	11.175	105	263164	53.28	ug/L	98
73) 1,2,3-Trichloropropane	11.193	110	39064	50.05	ug/L	96
74) t-1,4-Dichloro-2-butene	11.224	53	25316	56.38	ug/L	82
75) 4-Chlorotoluene	11.285	91	237730	52.08	ug/L	98
76) tert-Butylbenzene	11.431	91	148163	53.59	ug/L	96
77) 1,2,4-Trimethylbenzene	11.485	105	264544	54.12	ug/L	97
78) sec-Butylbenzene	11.564	105	317521	52.91	ug/L	99
79) 4-Isopropyltoluene	11.674	119	262673	53.50	ug/L	99
80) 1,3-Dichlorobenzene	11.747	146	156685	52.59	ug/L	99
81) 1,4-Dichlorobenzene	11.814	146	160797	47.87	ug/L	98
82) n-Butylbenzene	11.996	91	224446	55.30	ug/L	99
83) 1,2-Dichlorobenzene	12.130	146	151239	51.38	ug/L	99
84) 1,2-Dibromo-3-Chloropr...	12.745	157	31025	59.02	ug/L	95
85) Hexachlorobutadiene	13.243	223	22461	51.75	ug/L	96
86) 1,2,4-Trichlorobenzene	13.286	180	82615	56.86	ug/L	97
87) Naphthalene	13.566	128	266831	48.70	ug/L	98
88) 1,2,3-Trichlorobenzene	13.724	180	76998	51.03	ug/L	97

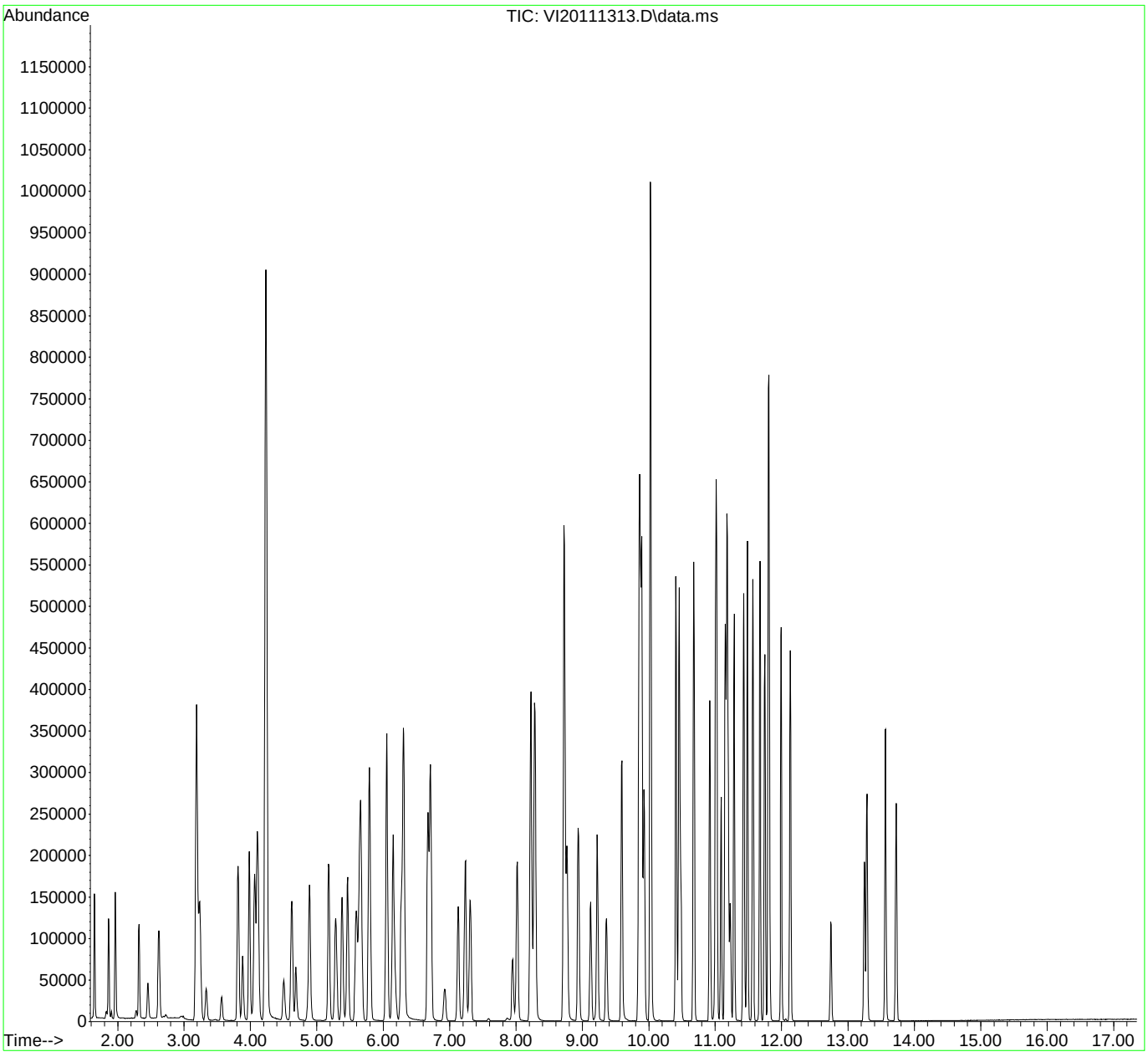
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111313.D
Acq On : 14 Nov 2020 12:23 am
Operator : TNL
Sample : 0K13048-CAL9
Misc : 1X 5mL 50 PPB VOCR0
ALS Vial : 13 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 15:37:15 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:20:14 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111314.D
Acq On : 14 Nov 2020 12:50 am
Operator : TNL 11/15/20 TNL
Sample : 0K13048-IBL2
Misc : 1X 5mL DI
ALS Vial : 14 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 15 09:41:49 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 16:47:50 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.150	99	85635	50.00	ug/L	#	0.00
45) Chlorobenzene-d5 (I)	9.855	117	221677	50.00	ug/L		0.00
66) 1,4-Dichlorobenzene-d4...	11.802	152	92073	50.00	ug/L		0.00
System Monitoring Compounds							
32) Dibromofluoromethane (S)	5.651	111	80544	49.12	ug/L		0.00
39) 1,4-Difluorobenzene (S)	6.710	114	265711	49.58	ug/L		0.00
48) Toluene-d8 (S)	8.225	98	296028	50.91	ug/L		0.00
67) 4-Bromofluorobenzene (S)	10.920	174	82889	52.20	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.654	85	168	0.34	ug/L	#	49
3) Chloromethane	1.861	50	239	0.15	ug/L	#	47
5) Bromomethane	2.330	96	211	0.19	ug/L	#	62
10) Carbon Disulfide	3.206	76	1513	0.38	ug/L		78
14) Methylene Chloride	3.820	84	472	0.28	ug/L		90
15) Acetone	3.887	43	1447	1.47	ug/L	#	44
19) tert-Butanol (TBA)	4.240	59	276	0.59	ug/L		46
50) Tetrachloroethene (PCE)	8.729	166	176	0.12	ug/L	#	25
61) m,p-Xylenes (2)	10.031	91	825	0.17	ug/L		84
69) n-Propylbenzene	11.023	91	937	0.16	ug/L		58
72) 1,3,5-Trimethylbenzene	11.181	105	430	0.11	ug/L		93
75) 4-Chlorotoluene	11.285	91	555	0.15	ug/L	#	45
76) tert-Butylbenzene	11.431	91	357	0.16	ug/L	#	83
77) 1,2,4-Trimethylbenzene	11.485	105	470	0.12	ug/L		91
78) sec-Butylbenzene	11.564	105	950	0.19	ug/L		59
79) 4-Isopropyltoluene	11.680	119	789	0.20	ug/L		90
80) 1,3-Dichlorobenzene	11.747	146	376	0.16	ug/L	#	72
81) 1,4-Dichlorobenzene	11.814	146	602	0.24	ug/L	#	54
82) n-Butylbenzene	11.996	91	921	0.28	ug/L		99
83) 1,2-Dichlorobenzene	12.130	146	268	0.12	ug/L	#	69
86) 1,2,4-Trichlorobenzene	13.292	180	688	0.61	ug/L		84
87) Naphthalene	13.566	128	2791	1.01	ug/L		81
88) 1,2,3-Trichlorobenzene	13.724	180	658	0.65	ug/L		84

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111314.D
Acq On : 14 Nov 2020 12:50 am
Operator : TNL
Sample : 0K13048-IBL2
Misc : 1X 5mL DI
ALS Vial : 14 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 15 09:41:49 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 16:47:50 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

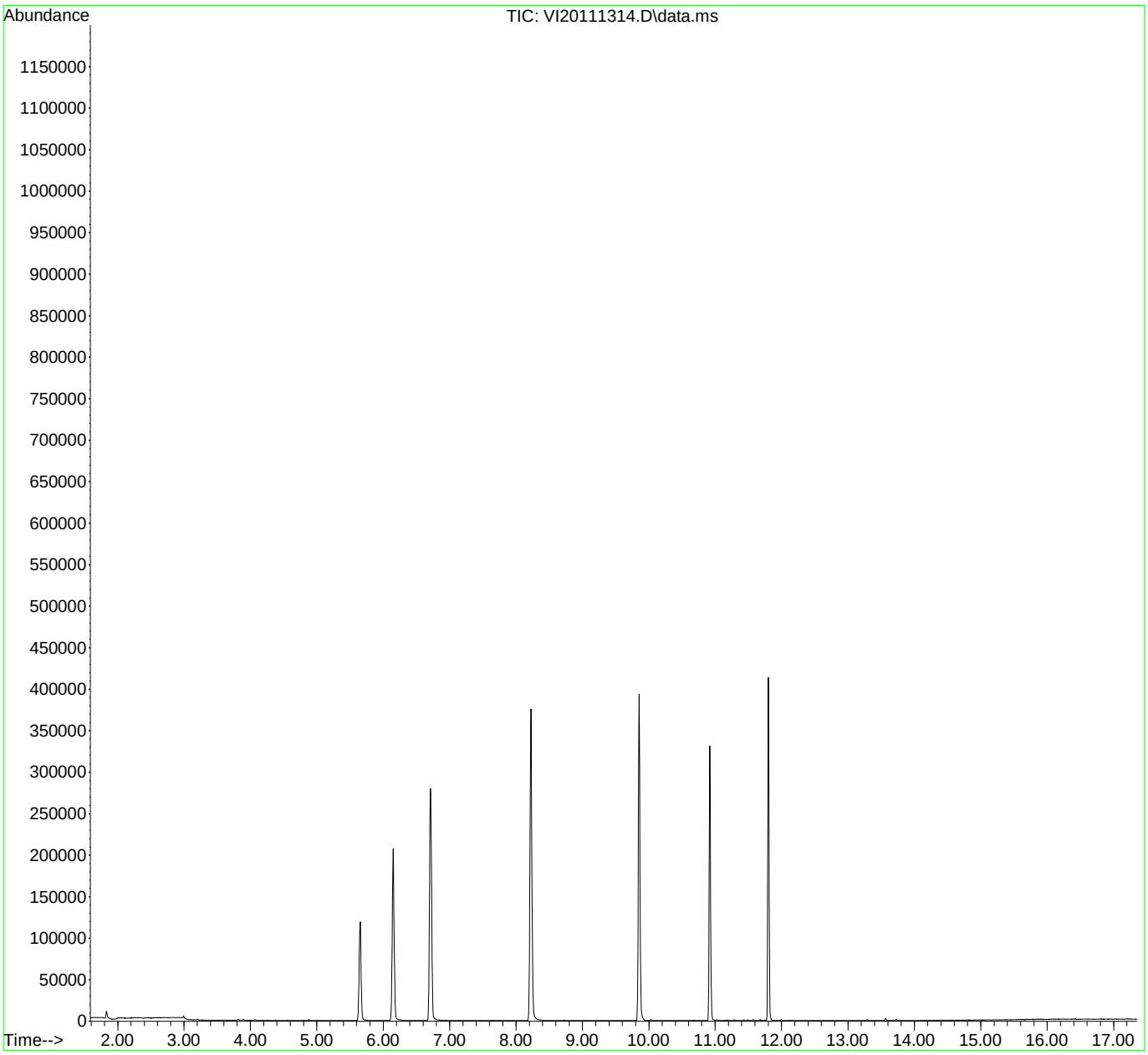
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111314.D
Acq On : 14 Nov 2020 12:50 am
Operator : TNL
Sample : 0K13048-IBL2
Misc : 1X 5mL DI
ALS Vial : 14 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 15 09:41:49 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 16:47:50 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111315.D
Acq On : 14 Nov 2020 1:17 am
Operator : TNL
Sample : 0K13048-CALA 11/15/20 TNL
Misc : 1X 5mL 100 PPB VOCR0
ALS Vial : 15 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 15:41:43 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:20:14 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.150	99	88064	50.00	ug/L	#	0.00
45) Chlorobenzene-d5 (I)	9.855	117	245190	50.00	ug/L		0.00
66) 1,4-Dichlorobenzene-d4...	11.802	152	123086	50.00	ug/L		0.00
System Monitoring Compounds							
32) Dibromofluoromethane (S)	5.651	111	86300	50.93	ug/L		0.00
39) 1,4-Difluorobenzene (S)	6.716	114	277255	51.05	ug/L		0.00
48) Toluene-d8 (S)	8.225	98	312178	47.66	ug/L		0.00
67) 4-Bromofluorobenzene (S)	10.920	174	98220	47.61	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.654	85	172346	103.31	ug/L		100
3) Chloromethane	1.867	50	172986	98.83	ug/L		96
4) Vinyl Chloride	1.971	62	200141	106.68	ug/L		97
5) Bromomethane	2.330	96	95638	72.69	ug/L		97
6) Chloroethane	2.457	64	28662	41.28	ug/L		88
7) Trichlorofluoromethane	2.622	101	174582	78.97	ug/L		98
8) Ethanol	3.193	45	248506	6169.05	ug/L		88
9) 1,1-Dichloroethene	3.187	61	232585	110.35	ug/L		94
10) Carbon Disulfide	3.199	76	417677	108.21	ug/L		98
11) Freon 113	3.236	101	139433	108.64	ug/L		96
12) Iodomethane	3.339	142	126398	107.48	ug/L		93
13) Acrolein	3.571	56	51368	128.68	ug/L		74
14) Methylene Chloride	3.820	84	164010	94.81	ug/L		93
15) Acetone	3.887	43	189253	187.55	ug/L		98
16) t-1,2-Dichloroethene	3.984	61	228499	112.23	ug/L		97
17) n-Hexane	4.063	86	28218	105.17	ug/L	#	84
18) Methyl-tert-butyl-ether	4.112	73	532019	125.85	ug/L		94
19) tert-Butanol (TBA)	4.240	59	2448970	5861.07	ug/L		82
20) Diisopropyl ether (DIPE)	4.507	45	99898	21.40	ug/L		93
21) 1,1-Dichloroethane	4.623	63	299961	107.36	ug/L		97
22) Acrylonitrile	4.690	53	103530	106.68	ug/L		96
23) Ethyl-tert-butyl ether...	4.879	59	98327	24.28	ug/L		97
24) Vinyl Acetate	4.897	43	424872	158.09	ug/L		97
25) c-1,2-Dichloroethene	5.183	61	228210	108.04	ug/L		94

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111315.D
Acq On : 14 Nov 2020 1:17 am
Operator : TNL
Sample : 0K13048-CALA
Misc : 1X 5mL 100 PPB VOCR0
ALS Vial : 15 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 15:41:43 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:20:14 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) 2,2-Dichloropropane	5.286	77	187276	180.54	ug/L		94
27) Bromochloromethane	5.383	130	112906	108.40	ug/L		95
28) Chloroform	5.463	83	296707	109.45	ug/L		97
29) Carbon Tetrachloride	5.596	117	196709	165.33	ug/L		95
30) Tetrahydrofuran	5.633	42	103090	101.72	ug/L		89
31) 1,1,1-Trichloroethane	5.669	97	252188	130.06	ug/L		96
33) 1,1-Dichloropropene	5.797	75	220778	109.44	ug/L		96
34) 2-Butanone (MEK)	5.785	43	310996	210.64	ug/L		97
35) Benzene	6.053	78	668370	106.40	ug/L		98
36) tert-Amyl methyl ether...	6.180	73	93921	26.93	ug/L		92
37) 1,2-Dichloroethane (EDC)	6.272	62	239958	109.03	ug/L		92
38) iso-Butyl Alcohol	6.308	43	481581	2944.00	ug/L		92
40) Trichloroethene (TCE)	6.673	130	181229	110.39	ug/L		97
41) Tert-Amyl-Ethyl-Ether ...	6.929	59	56464	28.66	ug/L		87
42) Dibromomethane	7.129	93	116510	111.72	ug/L		98
43) 1,2-Dichloropropane	7.239	63	172626	105.78	ug/L		93
44) Bromodichloromethane	7.312	83	226288	122.28	ug/L		95
46) 2-Chloroethyl Vinyl Ether	7.951	63	82059	97.10	ug/L	#	100
47) c-1,3-Dichloropropene	8.018	75	260834	125.22	ug/L		92
49) Toluene	8.285	91	683403	99.35	ug/L		99
50) Tetrachloroethene (PCE)	8.729	166	172050	102.98	ug/L		95
51) 4-Methyl-2-Pentanone (...	8.729	43	554729	211.33	ug/L		97
52) t-1,3-Dichloropropene	8.766	75	237738	119.39	ug/L		97
53) 1,1,2-Trichloroethane	8.942	97	164943	104.35	ug/L		95
54) Dibromochloromethane	9.125	129	170999	134.52	ug/L		99
55) 1,3-Dichloropropane	9.222	76	278910	105.66	ug/L		96
56) 1,2-Dibromoethane (EDB)	9.362	107	179841	111.97	ug/L		95
57) 2-Hexanone	9.587	43	410486	219.30	ug/L		93
58) Chlorobenzene	9.867	112	444921	103.73	ug/L		97
59) Ethylbenzene	9.891	91	740065	104.52	ug/L		99
60) 1,1,1,2-Tetrachloroethane	9.928	131	155809	116.49	ug/L		97
61) m,p-Xylenes (2)	10.025	91	1125177	211.76	ug/L		98
62) o-Xylene	10.409	91	568355	108.35	ug/L		98
63) Styrene	10.457	104	466046	112.59	ug/L		95
64) Bromoform	10.482	173	135667	113.79	ug/L		99
65) Isopropylbenzene	10.676	105	668797	109.53	ug/L		99

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111315.D
Acq On : 14 Nov 2020 1:17 am
Operator : TNL
Sample : 0K13048-CALA
Misc : 1X 5mL 100 PPB VOCR0
ALS Vial : 15 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 15:41:43 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:20:14 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) Bromobenzene	11.005	156	189898	102.98	ug/L	89
69) n-Propylbenzene	11.017	91	784675	100.15	ug/L	98
70) 1,1,2,2-Tetrachloroethane	11.090	85	155166	97.94	ug/L	94
71) 2-Chlorotoluene	11.151	126	165818	106.66	ug/L	97
72) 1,3,5-Trimethylbenzene	11.175	105	550786	107.11	ug/L	98
73) 1,2,3-Trichloropropane	11.193	110	78851	97.02	ug/L	95
74) t-1,4-Dichloro-2-butene	11.230	53	50928	108.93	ug/L	89
75) 4-Chlorotoluene	11.285	91	492489	103.62	ug/L	97
76) tert-Butylbenzene	11.431	91	301162	104.62	ug/L	96
77) 1,2,4-Trimethylbenzene	11.485	105	550246	108.13	ug/L	97
78) sec-Butylbenzene	11.564	105	646461	103.46	ug/L	100
79) 4-Isopropyltoluene	11.674	119	544580	106.53	ug/L	98
80) 1,3-Dichlorobenzene	11.747	146	324689	104.66	ug/L	99
81) 1,4-Dichlorobenzene	11.814	146	331071	94.66	ug/L	97
82) n-Butylbenzene	11.996	91	467121	110.54	ug/L	99
83) 1,2-Dichlorobenzene	12.130	146	311049	101.49	ug/L	98
84) 1,2-Dibromo-3-Chloropr...	12.745	157	66001	112.62	ug/L	95
85) Hexachlorobutadiene	13.243	223	45767	101.28	ug/L	93
86) 1,2,4-Trichlorobenzene	13.286	180	188607	124.67	ug/L	97
87) Naphthalene	13.560	128	631788	102.14	ug/L	97
88) 1,2,3-Trichlorobenzene	13.724	180	182309	116.06	ug/L	97

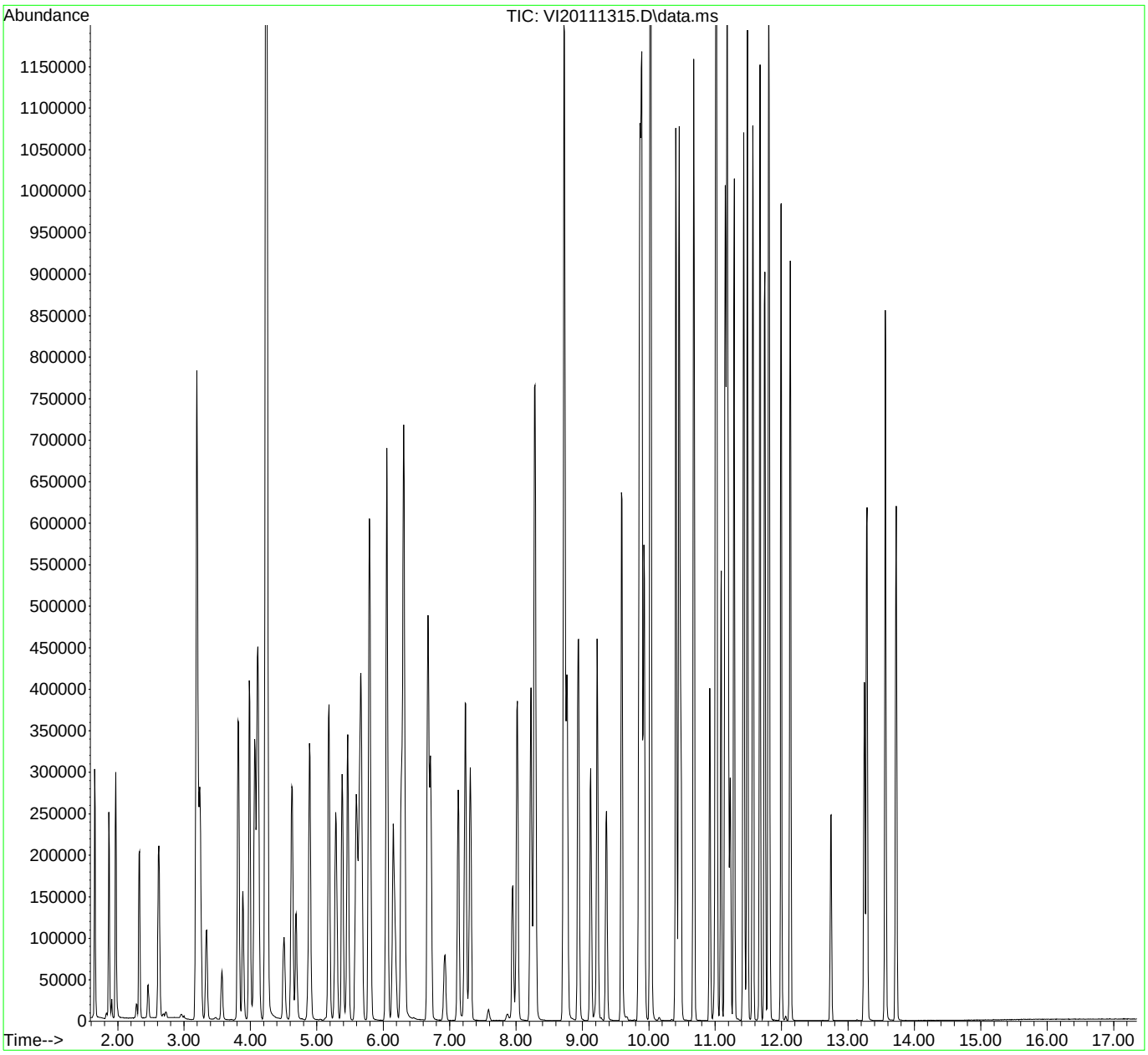
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111315.D
Acq On : 14 Nov 2020 1:17 am
Operator : TNL
Sample : 0K13048-CALA
Misc : 1X 5mL 100 PPB VOCR0
ALS Vial : 15 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 15:41:43 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:20:14 2020
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111315.D
Acq On : 14 Nov 2020 1:17 am
Operator : TNL
Sample : 0K13048-CALA
Misc : 1X 5mL 100 PPB VOCR0
ALS Vial : 15 Sample Multiplier: 1 11/15/20 TNL
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 15:41:43 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:20:14 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.150	99	88064	50.00	ug/L	#	0.00
45) Chlorobenzene-d5 (I)	9.855	117	245190	50.00	ug/L		0.00
66) 1,4-Dichlorobenzene-d4...	11.802	152	123086	50.00	ug/L		0.00
System Monitoring Compounds							
32) Dibromofluoromethane (S)	5.651	111	86300	50.93	ug/L		0.00
39) 1,4-Difluorobenzene (S)	6.716	114	277255	51.05	ug/L		0.00
48) Toluene-d8 (S)	8.225	98	312178	47.66	ug/L		0.00
67) 4-Bromofluorobenzene (S)	10.920	174	98220	47.61	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.654	85	172346	103.31	ug/L		100
3) Chloromethane	1.867	50	172986	98.83	ug/L		96
4) Vinyl Chloride	1.971	62	200141	106.68	ug/L		97
5) Bromomethane	2.330	96	95638	72.69	ug/L		97
6) Chloroethane	2.457	64	28662	41.28	ug/L		88
7) Trichlorofluoromethane	2.622	101	174582	78.97	ug/L		98
8) Ethanol	3.193	45	248506	6169.05	ug/L		88
9) 1,1-Dichloroethene	3.187	61	232585	110.35	ug/L		94
10) Carbon Disulfide	3.199	76	417677	108.21	ug/L		98
11) Freon 113	3.236	101	139433	108.64	ug/L		96
12) Iodomethane	3.339	142	126398	107.48	ug/L		93
13) Acrolein	3.571	56	51368	128.68	ug/L		74
14) Methylene Chloride	3.820	84	164010	94.81	ug/L		93
15) Acetone	3.887	43	189253	187.55	ug/L		98
16) t-1,2-Dichloroethene	3.984	61	228499	112.23	ug/L		97
17) n-Hexane	4.063	86	28218	105.17	ug/L	#	84
18) Methyl-tert-butyl-ether	4.112	73	532019	125.85	ug/L		94
19) tert-Butanol (TBA)	4.240	59	2448970	5861.07	ug/L		82
20) Diisopropyl ether (DIPE)	4.507	45	99898	21.40	ug/L		93
21) 1,1-Dichloroethane	4.623	63	299961	107.36	ug/L		97
22) Acrylonitrile	4.690	53	103530	106.68	ug/L		96
23) Ethyl-tert-butyl ether...	4.879	59	98327	24.28	ug/L		97
24) Vinyl Acetate	4.897	43	424872	158.09	ug/L		97
25) c-1,2-Dichloroethene	5.183	61	228210	108.04	ug/L		94

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111315.D
Acq On : 14 Nov 2020 1:17 am
Operator : TNL
Sample : 0K13048-CALA
Misc : 1X 5mL 100 PPB VOCR0
ALS Vial : 15 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 15:41:43 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:20:14 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) 2,2-Dichloropropane	5.286	77	187276	180.54	ug/L		94
27) Bromochloromethane	5.383	130	112906	108.40	ug/L		95
28) Chloroform	5.463	83	296707	109.45	ug/L		97
29) Carbon Tetrachloride	5.596	117	196709	165.33	ug/L		95
30) Tetrahydrofuran	5.633	42	103090	101.72	ug/L		89
31) 1,1,1-Trichloroethane	5.669	97	252188	130.06	ug/L		96
33) 1,1-Dichloropropene	5.797	75	220778	109.44	ug/L		96
34) 2-Butanone (MEK)	5.785	43	310996	210.64	ug/L		97
35) Benzene	6.053	78	668370	106.40	ug/L		98
36) tert-Amyl methyl ether...	6.180	73	93921	26.93	ug/L		92
37) 1,2-Dichloroethane (EDC)	6.272	62	239958	109.03	ug/L		92
38) iso-Butyl Alcohol	6.308	43	481581	2944.00	ug/L		92
40) Trichloroethene (TCE)	6.673	130	181229	110.39	ug/L		97
41) Tert-Amyl-Ethyl-Ether ...	6.929	59	56464	28.66	ug/L		87
42) Dibromomethane	7.129	93	116510	111.72	ug/L		98
43) 1,2-Dichloropropane	7.239	63	172626	105.78	ug/L		93
44) Bromodichloromethane	7.312	83	226288	122.28	ug/L		95
46) 2-Chloroethyl Vinyl Ether	7.951	63	82059	97.10	ug/L	#	100
47) c-1,3-Dichloropropene	8.018	75	260834	125.22	ug/L		92
49) Toluene	8.285	91	683403	99.35	ug/L		99
50) Tetrachloroethene (PCE)	8.729	166	172050	102.98	ug/L		95
51) 4-Methyl-2-Pentanone (...	8.729	43	554729	211.33	ug/L		97
52) t-1,3-Dichloropropene	8.766	75	237738	119.39	ug/L		97
53) 1,1,2-Trichloroethane	8.942	97	164943	104.35	ug/L		95
54) Dibromochloromethane	9.125	129	170999	134.52	ug/L		99
55) 1,3-Dichloropropane	9.222	76	278910	105.66	ug/L		96
56) 1,2-Dibromoethane (EDB)	9.362	107	179841	111.97	ug/L		95
57) 2-Hexanone	9.587	43	410486	219.30	ug/L		93
58) Chlorobenzene	9.867	112	444921	103.73	ug/L		97
59) Ethylbenzene	9.891	91	740065	104.52	ug/L		99
60) 1,1,1,2-Tetrachloroethane	9.928	131	155809	116.49	ug/L		97
61) m,p-Xylenes (2)	10.025	91	1125177	211.76	ug/L		98
62) o-Xylene	10.409	91	568355	108.35	ug/L		98
63) Styrene	10.457	104	466046	112.59	ug/L		95
64) Bromoform	10.482	173	135667	113.79	ug/L		99
65) Isopropylbenzene	10.676	105	668797	109.53	ug/L		99

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111315.D
Acq On : 14 Nov 2020 1:17 am
Operator : TNL
Sample : 0K13048-CALA
Misc : 1X 5mL 100 PPB VOCR0
ALS Vial : 15 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 15:41:43 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:20:14 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) Bromobenzene	11.005	156	189898	102.98	ug/L	89
69) n-Propylbenzene	11.017	91	784675	100.15	ug/L	98
70) 1,1,2,2-Tetrachloroethane	11.090	85	155166	97.94	ug/L	94
71) 2-Chlorotoluene	11.151	126	165818	106.66	ug/L	97
72) 1,3,5-Trimethylbenzene	11.175	105	550786	107.11	ug/L	98
73) 1,2,3-Trichloropropane	11.193	110	78851	97.02	ug/L	95
74) t-1,4-Dichloro-2-butene	11.230	53	50928	108.93	ug/L	89
75) 4-Chlorotoluene	11.285	91	492489	103.62	ug/L	97
76) tert-Butylbenzene	11.431	91	301162	104.62	ug/L	96
77) 1,2,4-Trimethylbenzene	11.485	105	550246	108.13	ug/L	97
78) sec-Butylbenzene	11.564	105	646461	103.46	ug/L	100
79) 4-Isopropyltoluene	11.674	119	544580	106.53	ug/L	98
80) 1,3-Dichlorobenzene	11.747	146	324689	104.66	ug/L	99
81) 1,4-Dichlorobenzene	11.814	146	331071	94.66	ug/L	97
82) n-Butylbenzene	11.996	91	467121	110.54	ug/L	99
83) 1,2-Dichlorobenzene	12.130	146	311049	101.49	ug/L	98
84) 1,2-Dibromo-3-Chloropr...	12.745	157	66001	112.62	ug/L	95
85) Hexachlorobutadiene	13.243	223	45767	101.28	ug/L	93
86) 1,2,4-Trichlorobenzene	13.286	180	188607	124.67	ug/L	97
87) Naphthalene	13.560	128	631788	102.14	ug/L	97
88) 1,2,3-Trichlorobenzene	13.724	180	182309	116.06	ug/L	97

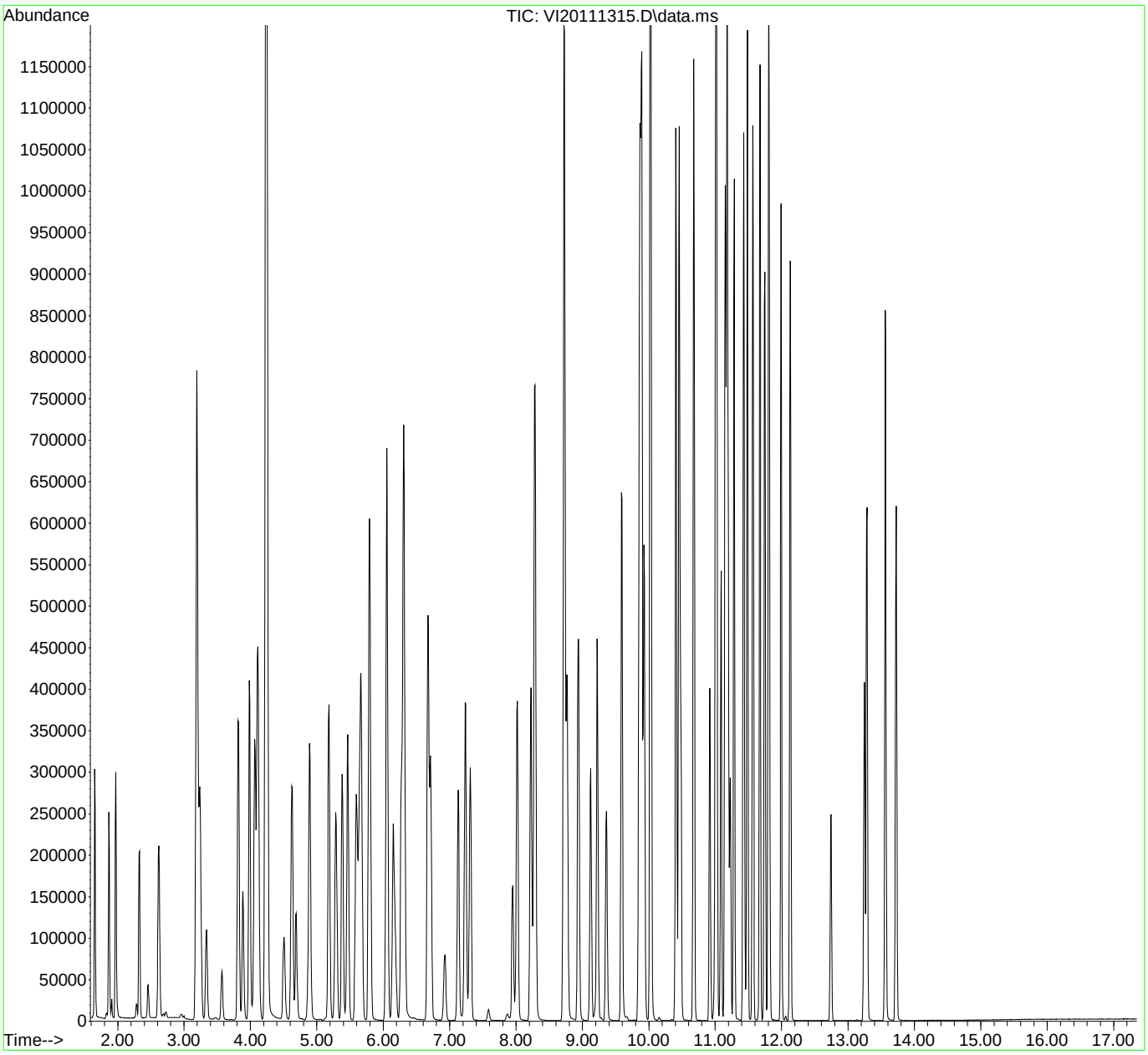
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111315.D
Acq On : 14 Nov 2020 1:17 am
Operator : TNL
Sample : 0K13048-CALA
Misc : 1X 5mL 100 PPB VOCR0
ALS Vial : 15 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 15:41:43 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:20:14 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111316.D
Acq On : 14 Nov 2020 1:44 am
Operator : TNL
Sample : 0K13048-IBL3 11/15/20 TNL
Misc : 1X 5mL DI
ALS Vial : 16 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 15 09:42:25 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 16:47:50 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.150	99	86271	50.00	ug/L	#	0.00
45) Chlorobenzene-d5 (I)	9.855	117	219792	50.00	ug/L		0.00
66) 1,4-Dichlorobenzene-d4...	11.802	152	91680	50.00	ug/L		0.00
System Monitoring Compounds							
32) Dibromofluoromethane (S)	5.651	111	81338	49.24	ug/L		0.00
39) 1,4-Difluorobenzene (S)	6.710	114	266062	49.28	ug/L		0.00
48) Toluene-d8 (S)	8.224	98	297839	51.66	ug/L		0.00
67) 4-Bromofluorobenzene (S)	10.919	174	83335	52.70	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.654	85	361	0.47	ug/L		88
3) Chloromethane	1.867	50	348	0.21	ug/L	#	47
5) Bromomethane	2.329	96	285	0.26	ug/L	#	57
7) Trichlorofluoromethane	2.628	101	182	0.11	ug/L	#	27
8) Ethanol	3.199	45	181	3.64	ug/L	#	29
9) 1,1-Dichloroethene	3.181	61	219	0.10	ug/L	#	28
10) Carbon Disulfide	3.205	76	2725	0.69	ug/L		95
11) Freon 113	3.236	101	214	0.16	ug/L	#	19
14) Methylene Chloride	3.820	84	1739	1.02	ug/L		90
15) Acetone	3.893	43	2365	2.38	ug/L		94
16) t-1,2-Dichloroethene	3.990	61	478	0.23	ug/L	#	71
19) tert-Butanol (TBA)	4.240	59	1132	2.41	ug/L		97
33) 1,1-Dichloropropene	5.797	75	269	0.13	ug/L	#	43
49) Toluene	8.285	91	631	0.10	ug/L		92
50) Tetrachloroethene (PCE)	8.735	166	406	0.27	ug/L	#	76
58) Chlorobenzene	9.873	112	590	0.15	ug/L	#	32
59) Ethylbenzene	9.891	91	887	0.13	ug/L		88
61) m,p-Xylenes (2)	10.031	91	1586	0.33	ug/L		95
65) Isopropylbenzene	10.682	105	986	0.17	ug/L		82
69) n-Propylbenzene	11.023	91	1764	0.30	ug/L		93
71) 2-Chlorotoluene	11.157	126	125	0.10	ug/L	#	82
72) 1,3,5-Trimethylbenzene	11.181	105	893	0.22	ug/L		84
75) 4-Chlorotoluene	11.291	91	1090	0.30	ug/L		90
76) tert-Butylbenzene	11.430	91	644	0.28	ug/L		99

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111316.D
Acq On : 14 Nov 2020 1:44 am
Operator : TNL
Sample : 0K13048-IBL3
Misc : 1X 5mL DI
ALS Vial : 16 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 15 09:42:25 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 16:47:50 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
77) 1,2,4-Trimethylbenzene	11.491	105	828	0.22	ug/L	91
78) sec-Butylbenzene	11.570	105	1551	0.32	ug/L	95
79) 4-Isopropyltoluene	11.674	119	1296	0.34	ug/L	95
80) 1,3-Dichlorobenzene	11.747	146	846	0.36	ug/L	88
81) 1,4-Dichlorobenzene	11.814	146	980	0.39	ug/L #	59
82) n-Butylbenzene	11.996	91	1501	0.46	ug/L	94
83) 1,2-Dichlorobenzene	12.136	146	528	0.23	ug/L #	67
85) Hexachlorobutadiene	13.249	223	214	0.64	ug/L	91
86) 1,2,4-Trichlorobenzene	13.292	180	979	0.88	ug/L	90
87) Naphthalene	13.566	128	4093	1.34	ug/L	94
88) 1,2,3-Trichlorobenzene	13.724	180	1002	1.00	ug/L	92

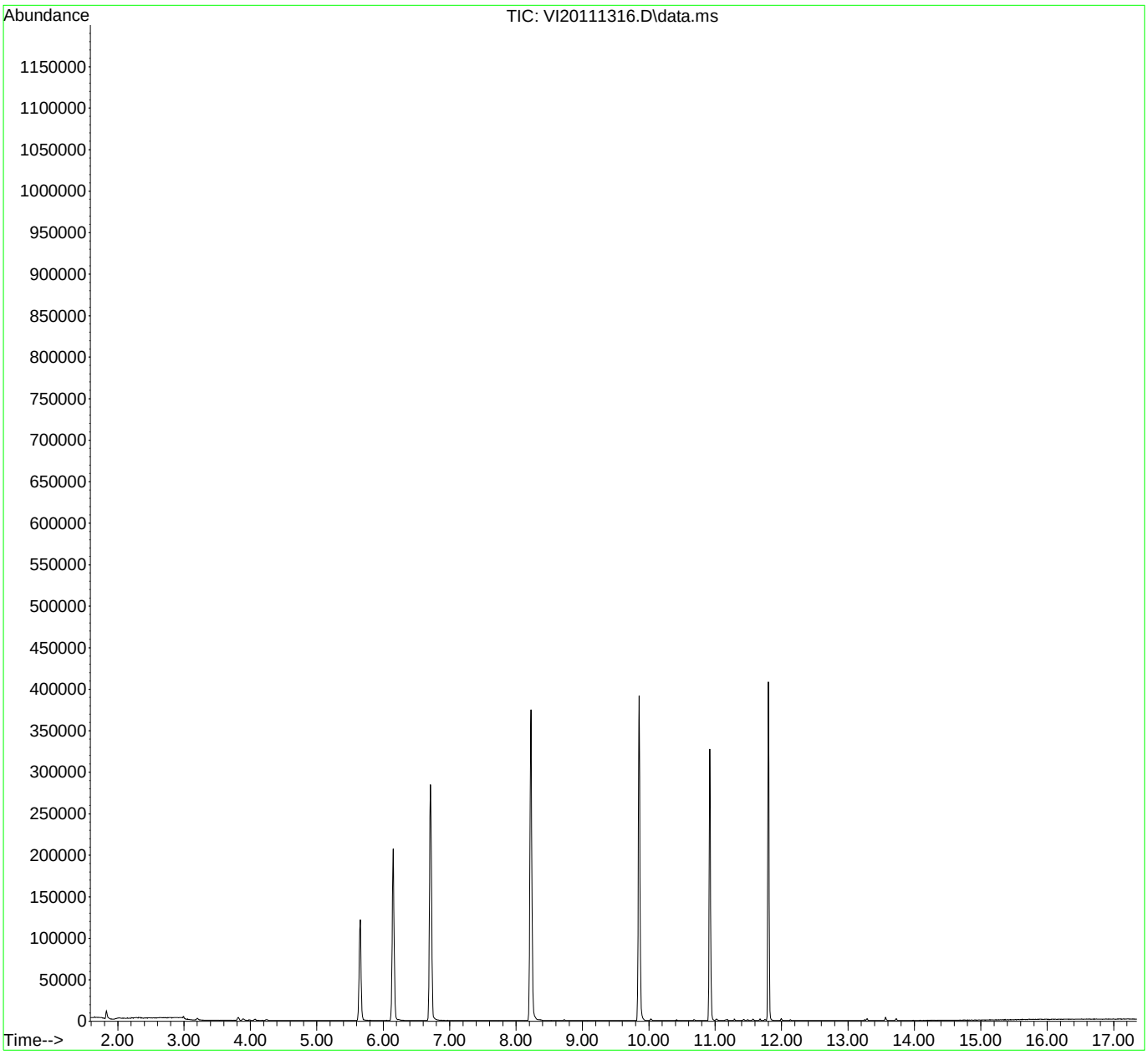
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111316.D
Acq On : 14 Nov 2020 1:44 am
Operator : TNL
Sample : 0K13048-IBL3
Misc : 1X 5mL DI
ALS Vial : 16 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 15 09:42:25 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 16:47:50 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111317.D
Acq On : 14 Nov 2020 2:11 am
Operator : TNL
Sample : 0K13048-CALB
Misc : 1X 5mL 200 PPB VOCR0
ALS Vial : 17 Sample Multiplier: 1 11/15/20 TNL
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 15:44:19 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:20:14 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.144	99	90807	50.00	ug/L	#	0.00
45) Chlorobenzene-d5 (I)	9.855	117	254045	50.00	ug/L		0.00
66) 1,4-Dichlorobenzene-d4...	11.802	152	128906	50.00	ug/L		0.00
System Monitoring Compounds							
32) Dibromofluoromethane (S)	5.645	111	89821	51.40	ug/L		0.00
39) 1,4-Difluorobenzene (S)	6.710	114	288330	51.49	ug/L		0.00
48) Toluene-d8 (S)	8.224	98	322603	47.53	ug/L		0.00
67) 4-Bromofluorobenzene (S)	10.919	174	101920	47.17	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.648	85	357472	207.80	ug/L		99
3) Chloromethane	1.861	50	362722	200.96	ug/L		96
4) Vinyl Chloride	1.958	62	409456	211.65	ug/L		97
5) Bromomethane	2.317	96	190882	140.70	ug/L		97
6) Chloroethane	2.445	64	46359	61.69	ug/L		86
7) Trichlorofluoromethane	2.603	101	357762	156.93	ug/L		97
8) Ethanol	3.193	45	2737	65.89	ug/L	#	1
9) 1,1-Dichloroethene	3.175	61	487581	224.35	ug/L		95
10) Carbon Disulfide	3.193	76	880325	221.19	ug/L		98
11) Freon 113	3.230	101	303596	229.41	ug/L		94
12) Iodomethane	3.327	142	310593	197.24	ug/L		93
13) Acrolein	3.558	56	105518	256.35	ug/L		72
14) Methylene Chloride	3.808	84	336542	188.67	ug/L		93
15) Acetone	3.881	43	385405	370.40	ug/L		97
16) t-1,2-Dichloroethene	3.978	61	474794	226.15	ug/L		95
17) n-Hexane	4.057	86	62377	225.47	ug/L	#	90
18) Methyl-tert-butyl-ether	4.106	73	1111301	254.94	ug/L		95
19) tert-Butanol (TBA)	4.246	59	1554	9.58	ug/L		78
20) Diisopropyl ether (DIPE)	0.000		0	N.D.			
21) 1,1-Dichloroethane	4.617	63	619587	215.05	ug/L		96
22) Acrylonitrile	4.684	53	214475	214.33	ug/L		97
23) Ethyl-tert-butyl ether...	4.769	59	1816	0.43	ug/L	#	38
24) Vinyl Acetate	4.891	43	839448	302.92	ug/L		97
25) c-1,2-Dichloroethene	5.176	61	471961	216.69	ug/L		93

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111317.D
Acq On : 14 Nov 2020 2:11 am
Operator : TNL
Sample : 0K13048-CALB
Misc : 1X 5mL 200 PPB VOCR0
ALS Vial : 17 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 15:44:19 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:20:14 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) 2,2-Dichloropropane	5.280	77	395966	370.20	ug/L		93
27) Bromochloromethane	5.377	130	227943	212.23	ug/L		95
28) Chloroform	5.462	83	616521	220.55	ug/L		97
29) Carbon Tetrachloride	5.590	117	434628	354.27	ug/L		96
30) Tetrahydrofuran	5.627	42	212266	203.12	ug/L		89
31) 1,1,1-Trichloroethane	5.663	97	541340	270.75	ug/L		97
33) 1,1-Dichloropropene	5.791	75	469067	225.50	ug/L		96
34) 2-Butanone (MEK)	5.779	43	625547	410.89	ug/L		98
35) Benzene	6.053	78	1396654	215.62	ug/L		98
36) tert-Amyl methyl ether...	6.053	73	22960	6.39	ug/L	#	46
37) 1,2-Dichloroethane (EDC)	6.265	62	490343	216.07	ug/L		93
38) iso-Butyl Alcohol	6.308	43	926503	5093.31	ug/L		92
40) Trichloroethene (TCE)	6.673	130	382974	226.24	ug/L		96
41) Tert-Amyl-Ethyl-Ether ...	0.000		0	N.D.			
42) Dibromomethane	7.123	93	244109	227.00	ug/L		98
43) 1,2-Dichloropropane	7.233	63	360313	214.11	ug/L		93
44) Bromodichloromethane	7.306	83	475198	249.03	ug/L		95
46) 2-Chloroethyl Vinyl Ether	7.951	63	174439	199.21	ug/L	#	100
47) c-1,3-Dichloropropene	8.018	75	560819	259.86	ug/L		90
49) Toluene	8.279	91	1433017	201.05	ug/L		99
50) Tetrachloroethene (PCE)	8.723	166	377192	217.90	ug/L		94
51) 4-Methyl-2-Pentanone (...	8.723	43	1080260	397.19	ug/L		95
52) t-1,3-Dichloropropene	8.766	75	497926	213.75	ug/L		98
53) 1,1,2-Trichloroethane	8.936	97	342523	209.15	ug/L		95
54) Dibromochloromethane	9.125	129	363766	276.19	ug/L		98
55) 1,3-Dichloropropane	9.222	76	573184	209.57	ug/L		95
56) 1,2-Dibromoethane (EDB)	9.356	107	373274	224.31	ug/L		97
57) 2-Hexanone	9.587	43	804833	414.98	ug/L		93
58) Chlorobenzene	9.867	112	930648	209.42	ug/L		97
59) Ethylbenzene	9.891	91	1575922	214.82	ug/L		98
60) 1,1,1,2-Tetrachloroethane	9.928	131	336229	215.29	ug/L		96
61) m,p-Xylenes (2)	10.025	91	2418364	439.28	ug/L		99
62) o-Xylene	10.408	91	1215418	223.62	ug/L		99
63) Styrene	10.457	104	995765	232.18	ug/L		97
64) Bromoform	10.481	173	298528	210.43	ug/L		99
65) Isopropylbenzene	10.676	105	1442998	228.08	ug/L		99

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111317.D
Acq On : 14 Nov 2020 2:11 am
Operator : TNL
Sample : 0K13048-CALB
Misc : 1X 5mL 200 PPB VOCR0
ALS Vial : 17 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 15:44:19 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:20:14 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) Bromobenzene	11.005	156	398319	206.25	ug/L	90
69) n-Propylbenzene	11.017	91	1682300	205.01	ug/L	98
70) 1,1,2,2-Tetrachloroethane	11.090	85	316023	190.46	ug/L	94
71) 2-Chlorotoluene	11.151	126	355566	218.38	ug/L	98
72) 1,3,5-Trimethylbenzene	11.175	105	1197024	222.28	ug/L	98
73) 1,2,3-Trichloropropane	11.193	110	162615	191.06	ug/L	93
74) t-1,4-Dichloro-2-butene	11.224	53	105075	214.60	ug/L	89
75) 4-Chlorotoluene	11.284	91	1036721	208.28	ug/L	98
76) tert-Butylbenzene	11.430	91	649493	215.43	ug/L	96
77) 1,2,4-Trimethylbenzene	11.485	105	1186152	222.56	ug/L	98
78) sec-Butylbenzene	11.564	105	1413009	215.93	ug/L	99
79) 4-Isopropyltoluene	11.674	119	1194135	223.06	ug/L	98
80) 1,3-Dichlorobenzene	11.747	146	692225	213.06	ug/L	99
81) 1,4-Dichlorobenzene	11.814	146	701734	191.59	ug/L	97
82) n-Butylbenzene	11.990	91	1018522	230.15	ug/L	98
83) 1,2-Dichlorobenzene	12.130	146	657903	204.97	ug/L	98
84) 1,2-Dibromo-3-Chloropr...	12.744	157	140963	207.06	ug/L	94
85) Hexachlorobutadiene	13.243	223	101942	215.41	ug/L	95
86) 1,2,4-Trichlorobenzene	13.286	180	425340	268.46	ug/L	98
87) Naphthalene	13.560	128	1402207	191.75	ug/L	97
88) 1,2,3-Trichlorobenzene	13.724	180	414214	251.78	ug/L	98

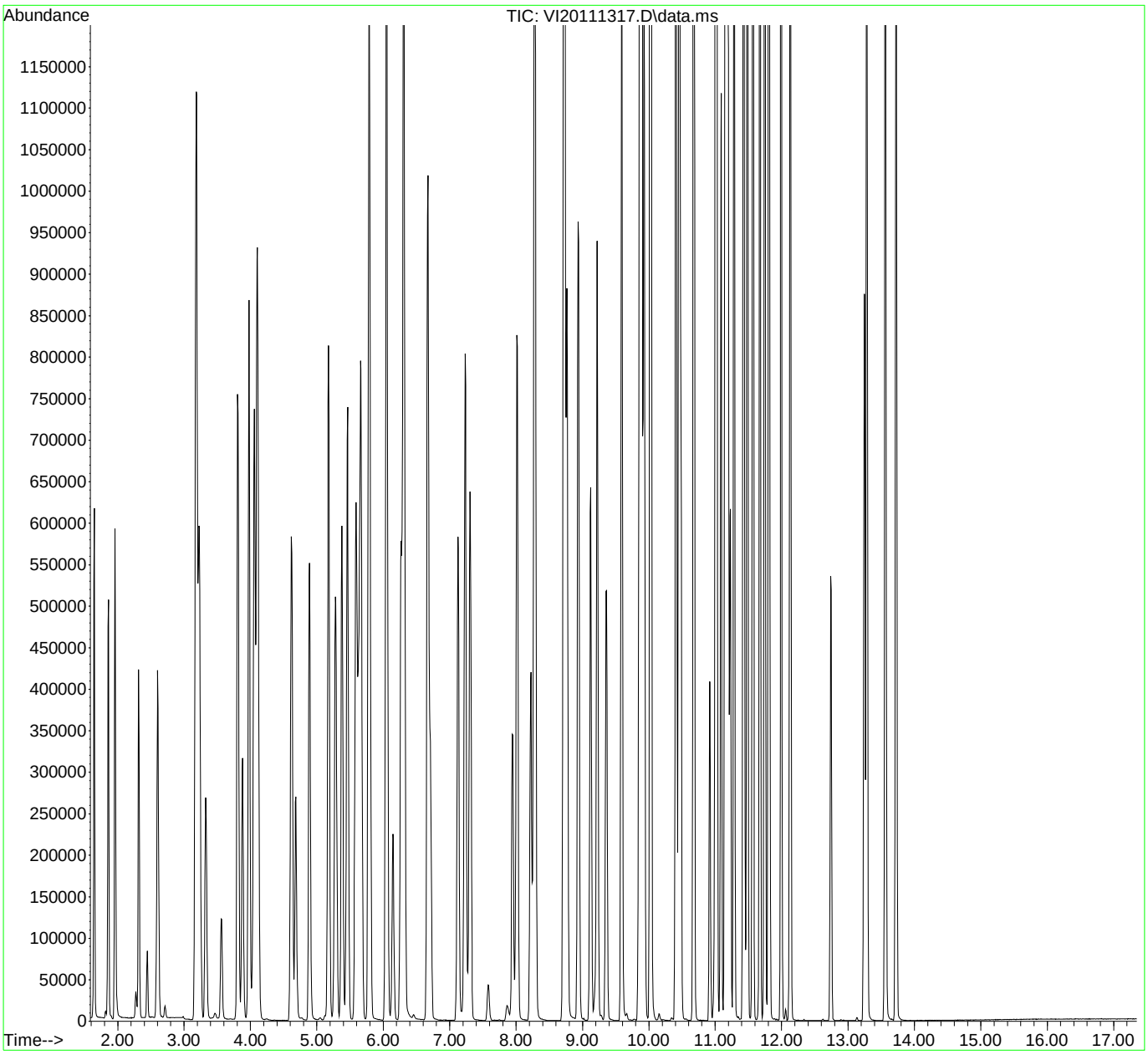
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111317.D
Acq On : 14 Nov 2020 2:11 am
Operator : TNL
Sample : 0K13048-CALB
Misc : 1X 5mL 200 PPB VOCR0
ALS Vial : 17 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 15:44:19 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:20:14 2020
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111317.D
Acq On : 14 Nov 2020 2:11 am
Operator : TNL
Sample : 0K13048-CALB
Misc : 1X 5mL 200 PPB VOCR0
ALS Vial : 17 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

11/15/20 TNL

Quant Time: Nov 14 15:46:07 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:44:58 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.144	99	90807	50.00	ug/L	#	0.00
45) Chlorobenzene-d5 (I)	9.855	117	254045	50.00	ug/L		0.00
66) 1,4-Dichlorobenzene-d4...	11.802	152	128906	50.00	ug/L		0.00
System Monitoring Compounds							
32) Dibromofluoromethane (S)	5.645	111	89821	51.40	ug/L		0.00
39) 1,4-Difluorobenzene (S)	6.710	114	288330	51.49	ug/L		0.00
48) Toluene-d8 (S)	8.224	98	322603	47.53	ug/L		0.00
67) 4-Bromofluorobenzene (S)	10.919	174	101920	47.17	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.648	85	357472	207.80	ug/L		99
3) Chloromethane	1.861	50	362722	200.96	ug/L		96
4) Vinyl Chloride	1.958	62	409456	211.65	ug/L		97
5) Bromomethane	2.317	96	190882	140.70	ug/L		97
6) Chloroethane	2.445	64	46359	61.69	ug/L		86
7) Trichlorofluoromethane	2.603	101	357762	156.93	ug/L		97
8) Ethanol	3.193	45	2737	65.89	ug/L	#	1
9) 1,1-Dichloroethene	3.175	61	487582	224.35	ug/L		95
10) Carbon Disulfide	3.193	76	880325	221.19	ug/L		98
11) Freon 113	3.230	101	303596	229.41	ug/L		94
12) Iodomethane	3.327	142	310593	197.24	ug/L		93
13) Acrolein	3.558	56	105518	256.35	ug/L		72
14) Methylene Chloride	3.808	84	336542	188.67	ug/L		93
15) Acetone	3.881	43	385666	370.65	ug/L		97
16) t-1,2-Dichloroethene	3.978	61	474794	226.15	ug/L		95
17) n-Hexane	4.057	86	62377	225.47	ug/L	#	90
18) Methyl-tert-butyl-ether	4.106	73	1111301	254.94	ug/L		95
19) tert-Butanol (TBA)	0.000		0	N.D.	d		
20) Diisopropyl ether (DIPE)	0.000		0	N.D.			
21) 1,1-Dichloroethane	4.617	63	619587	215.05	ug/L		96
22) Acrylonitrile	4.684	53	214475	214.33	ug/L		97
23) Ethyl-tert-butyl ether...	0.000		0	N.D.	d		
24) Vinyl Acetate	4.891	43	838927	302.73	ug/L		97
25) c-1,2-Dichloroethene	5.176	61	471961	216.69	ug/L		93

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111317.D
Acq On : 14 Nov 2020 2:11 am
Operator : TNL
Sample : 0K13048-CALB
Misc : 1X 5mL 200 PPB VOCR0
ALS Vial : 17 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 15:46:07 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:44:58 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) 2,2-Dichloropropane	5.280	77	395966	370.20	ug/L		93
27) Bromochloromethane	5.377	130	227943	212.23	ug/L		95
28) Chloroform	5.462	83	616521	220.55	ug/L		97
29) Carbon Tetrachloride	5.590	117	434628	354.27	ug/L		96
30) Tetrahydrofuran	5.627	42	212266	203.12	ug/L		89
31) 1,1,1-Trichloroethane	5.663	97	541340	270.75	ug/L		97
33) 1,1-Dichloropropene	5.791	75	469067	225.50	ug/L		96
34) 2-Butanone (MEK)	5.779	43	625015	410.54	ug/L		98
35) Benzene	6.053	78	1396547	215.60	ug/L		98
36) tert-Amyl methyl ether...	0.000		0	N.D.	d		
37) 1,2-Dichloroethane (EDC)	6.265	62	490114	215.97	ug/L		93
38) iso-Butyl Alcohol	6.308	43	925976	5090.84	ug/L		92
40) Trichloroethene (TCE)	6.673	130	382974	226.24	ug/L		96
41) Tert-Amyl-Ethyl-Ether ...	0.000		0	N.D.			
42) Dibromomethane	7.123	93	244109	227.00	ug/L		98
43) 1,2-Dichloropropane	7.233	63	360313	214.11	ug/L		93
44) Bromodichloromethane	7.306	83	475169	249.02	ug/L		95
46) 2-Chloroethyl Vinyl Ether	7.951	63	174439	199.21	ug/L	#	100
47) c-1,3-Dichloropropene	8.018	75	560875	259.88	ug/L		90
49) Toluene	8.279	91	1432944	201.04	ug/L		99
50) Tetrachloroethene (PCE)	8.723	166	377192	217.90	ug/L		94
51) 4-Methyl-2-Pentanone (...	8.723	43	1080260	397.19	ug/L		95
52) t-1,3-Dichloropropene	8.766	75	497926	213.75	ug/L		98
53) 1,1,2-Trichloroethane	8.936	97	342523	209.15	ug/L		95
54) Dibromochloromethane	9.125	129	363766	276.19	ug/L		98
55) 1,3-Dichloropropane	9.222	76	573184	209.57	ug/L		95
56) 1,2-Dibromoethane (EDB)	9.356	107	373274	224.31	ug/L		97
57) 2-Hexanone	9.587	43	804833	414.98	ug/L		93
58) Chlorobenzene	9.867	112	930648	209.42	ug/L		97
59) Ethylbenzene	9.891	91	1575922	214.82	ug/L		98
60) 1,1,1,2-Tetrachloroethane	9.928	131	336229	215.29	ug/L		96
61) m,p-Xylenes (2)	10.025	91	2419225	439.43	ug/L		99
62) o-Xylene	10.408	91	1215418	223.62	ug/L		99
63) Styrene	10.457	104	995765	232.18	ug/L		97
64) Bromoform	10.481	173	298528	210.43	ug/L		99
65) Isopropylbenzene	10.676	105	1442998	228.08	ug/L		99

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111317.D
Acq On : 14 Nov 2020 2:11 am
Operator : TNL
Sample : 0K13048-CALB
Misc : 1X 5mL 200 PPB VOCR0
ALS Vial : 17 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 15:46:07 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:44:58 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) Bromobenzene	11.005	156	398319	206.25	ug/L	90
69) n-Propylbenzene	11.017	91	1682300	205.01	ug/L	98
70) 1,1,2,2-Tetrachloroethane	11.090	85	316023	190.46	ug/L	94
71) 2-Chlorotoluene	11.151	126	355566	218.38	ug/L	98
72) 1,3,5-Trimethylbenzene	11.175	105	1197024	222.28	ug/L	98
73) 1,2,3-Trichloropropane	11.193	110	162615	191.06	ug/L	93
74) t-1,4-Dichloro-2-butene	11.224	53	105075	214.60	ug/L	89
75) 4-Chlorotoluene	11.284	91	1036721	208.28	ug/L	98
76) tert-Butylbenzene	11.430	91	649493	215.43	ug/L	96
77) 1,2,4-Trimethylbenzene	11.485	105	1186152	222.56	ug/L	98
78) sec-Butylbenzene	11.564	105	1413009	215.93	ug/L	99
79) 4-Isopropyltoluene	11.674	119	1194135	223.06	ug/L	98
80) 1,3-Dichlorobenzene	11.747	146	692225	213.06	ug/L	99
81) 1,4-Dichlorobenzene	11.814	146	701734	191.59	ug/L	97
82) n-Butylbenzene	11.990	91	1018522	230.15	ug/L	98
83) 1,2-Dichlorobenzene	12.130	146	657903	204.97	ug/L	98
84) 1,2-Dibromo-3-Chloropr...	12.744	157	140963	207.06	ug/L	94
85) Hexachlorobutadiene	13.243	223	101942	215.41	ug/L	95
86) 1,2,4-Trichlorobenzene	13.286	180	425340	268.46	ug/L	98
87) Naphthalene	13.560	128	1402207	191.75	ug/L	97
88) 1,2,3-Trichlorobenzene	13.724	180	414214	251.78	ug/L	98

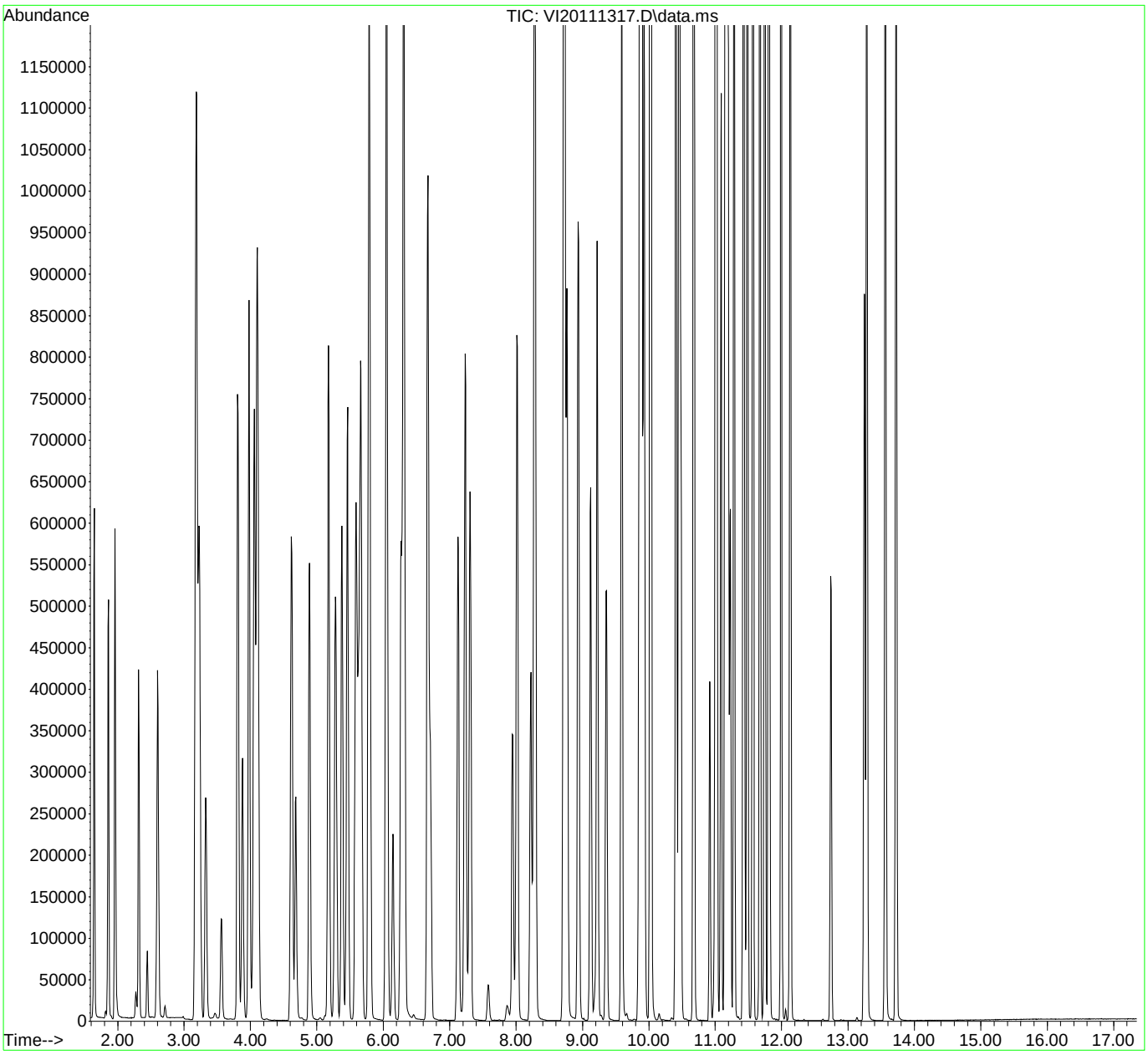
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111317.D
Acq On : 14 Nov 2020 2:11 am
Operator : TNL
Sample : 0K13048-CALB
Misc : 1X 5mL 200 PPB VOCR0
ALS Vial : 17 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 15:46:07 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 15:44:58 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111318.D
Acq On : 14 Nov 2020 2:38 am
Operator : TNL
Sample : 0K13048-IBL4 11/15/20 TNL
Misc : 1X 5mL DI
ALS Vial : 18 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 15 09:43:15 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 16:47:50 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.150	99	88722	50.00	ug/L	#	0.00
45) Chlorobenzene-d5 (I)	9.855	117	232090	50.00	ug/L		0.00
66) 1,4-Dichlorobenzene-d4...	11.802	152	99115	50.00	ug/L		0.00
System Monitoring Compounds							
32) Dibromofluoromethane (S)	5.651	111	84238	49.59	ug/L		0.00
39) 1,4-Difluorobenzene (S)	6.710	114	277465	49.97	ug/L		0.00
48) Toluene-d8 (S)	8.225	98	308693	50.71	ug/L		0.00
67) 4-Bromofluorobenzene (S)	10.920	174	88683	51.88	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.648	85	827	0.76	ug/L		89
3) Chloromethane	1.861	50	513	0.30	ug/L		84
4) Vinyl Chloride	1.965	62	388	0.21	ug/L		67
5) Bromomethane	2.323	96	310	0.28	ug/L		79
7) Trichlorofluoromethane	2.628	101	465	0.28	ug/L		85
9) 1,1-Dichloroethene	3.187	61	627	0.28	ug/L		86
10) Carbon Disulfide	3.200	76	5672	1.39	ug/L		96
11) Freon 113	3.236	101	763	0.56	ug/L		93
14) Methylene Chloride	3.814	84	2264	1.29	ug/L		91
15) Acetone	3.887	43	2419	2.37	ug/L		93
16) t-1,2-Dichloroethene	3.984	61	1092	0.51	ug/L		98
19) tert-Butanol (TBA)	4.246	59	1141	2.36	ug/L		96
25) c-1,2-Dichloroethene	5.189	61	381	0.17	ug/L	#	62
33) 1,1-Dichloropropene	5.803	75	771	0.36	ug/L		68
35) Benzene	6.059	78	841	0.13	ug/L		55
40) Trichloroethene (TCE)	6.673	130	477	0.27	ug/L		91
49) Toluene	8.285	91	1363	0.20	ug/L		94
50) Tetrachloroethene (PCE)	8.729	166	942	0.59	ug/L		94
57) 2-Hexanone	9.606	43	359	0.21	ug/L	#	35
58) Chlorobenzene	9.867	112	996	0.24	ug/L	#	30
59) Ethylbenzene	9.898	91	1879	0.27	ug/L		92
61) m,p-Xylenes (2)	10.025	91	3273	0.64	ug/L		94
62) o-Xylene	10.415	91	977	0.19	ug/L		91
63) Styrene	10.463	104	743	0.19	ug/L		83

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111318.D
Acq On : 14 Nov 2020 2:38 am
Operator : TNL
Sample : 0K13048-IBL4
Misc : 1X 5mL DI
ALS Vial : 18 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 15 09:43:15 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 16:47:50 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
65) Isopropylbenzene	10.676	105	1836	0.30	ug/L		100
68) Bromobenzene	11.011	156	421	0.28	ug/L		87
69) n-Propylbenzene	11.023	91	3365	0.53	ug/L		98
71) 2-Chlorotoluene	11.151	126	450	0.33	ug/L	#	90
72) 1,3,5-Trimethylbenzene	11.181	105	1726	0.40	ug/L		96
75) 4-Chlorotoluene	11.291	91	2019	0.51	ug/L		97
76) tert-Butylbenzene	11.431	91	1217	0.50	ug/L		95
77) 1,2,4-Trimethylbenzene	11.485	105	1770	0.43	ug/L		93
78) sec-Butylbenzene	11.570	105	3277	0.62	ug/L		97
79) 4-Isopropyltoluene	11.674	119	2601	0.62	ug/L		94
80) 1,3-Dichlorobenzene	11.747	146	1641	0.64	ug/L		95
81) 1,4-Dichlorobenzene	11.814	146	1875	0.69	ug/L		72
82) n-Butylbenzene	11.996	91	3061	0.87	ug/L		98
83) 1,2-Dichlorobenzene	12.136	146	1114	0.46	ug/L		96
85) Hexachlorobutadiene	13.250	223	538	1.49	ug/L		96
86) 1,2,4-Trichlorobenzene	13.286	180	1713	1.42	ug/L		98
87) Naphthalene	13.566	128	6283	1.77	ug/L		96
88) 1,2,3-Trichlorobenzene	13.724	180	1723	1.59	ug/L		95

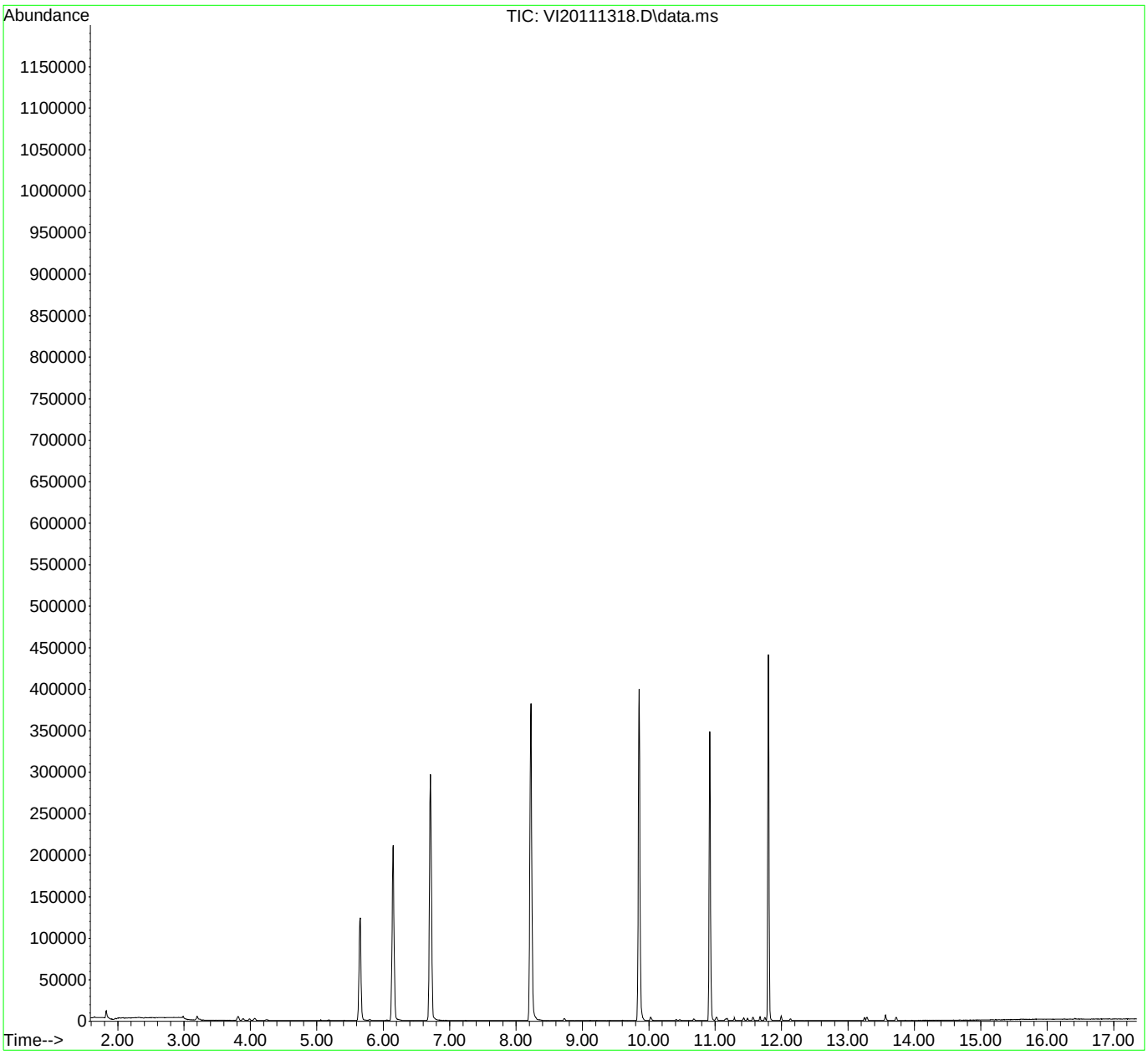
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111318.D
Acq On : 14 Nov 2020 2:38 am
Operator : TNL
Sample : 0K13048-IBL4
Misc : 1X 5mL DI
ALS Vial : 18 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 15 09:43:15 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 16:47:50 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111319.D
Acq On : 14 Nov 2020 3:05 am
Operator : TNL
Sample : 0K13048-IBL5
Misc : 1X 5mL DI 11/15/20 TNL
ALS Vial : 19 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 15 09:43:18 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 16:47:50 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.150	99	87923	50.00	ug/L	#	0.00
45) Chlorobenzene-d5 (I)	9.855	117	227832	50.00	ug/L		0.00
66) 1,4-Dichlorobenzene-d4...	11.801	152	97363	50.00	ug/L		0.00
System Monitoring Compounds							
32) Dibromofluoromethane (S)	5.651	111	82704	49.13	ug/L		0.00
39) 1,4-Difluorobenzene (S)	6.710	114	273177	49.65	ug/L		0.00
48) Toluene-d8 (S)	8.224	98	303791	50.83	ug/L		0.00
67) 4-Bromofluorobenzene (S)	10.919	174	87323	52.00	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.654	85	314	0.43	ug/L	#	49
3) Chloromethane	1.867	50	268	0.16	ug/L	#	47
5) Bromomethane	2.323	96	261	0.23	ug/L	#	45
10) Carbon Disulfide	3.205	76	2241	0.55	ug/L		92
11) Freon 113	3.242	101	194	0.14	ug/L	#	19
14) Methylene Chloride	3.814	84	1705	0.98	ug/L		99
15) Acetone	3.893	43	1706	1.68	ug/L		99
16) t-1,2-Dichloroethene	3.990	61	291	0.14	ug/L	#	70
19) tert-Butanol (TBA)	4.252	59	508	1.06	ug/L		46
33) 1,1-Dichloropropene	5.797	75	258	0.12	ug/L	#	43
50) Tetrachloroethene (PCE)	8.723	166	406	0.26	ug/L	#	76
59) Ethylbenzene	9.891	91	673	0.10	ug/L		82
61) m,p-Xylenes (2)	10.031	91	1181	0.24	ug/L		91
69) n-Propylbenzene	11.023	91	1209	0.19	ug/L		91
72) 1,3,5-Trimethylbenzene	11.181	105	580	0.14	ug/L		94
75) 4-Chlorotoluene	11.290	91	701	0.18	ug/L		90
76) tert-Butylbenzene	11.430	91	314	0.13	ug/L	#	69
77) 1,2,4-Trimethylbenzene	11.485	105	565	0.14	ug/L		91
78) sec-Butylbenzene	11.570	105	1035	0.20	ug/L		81
79) 4-Isopropyltoluene	11.674	119	864	0.21	ug/L		86
80) 1,3-Dichlorobenzene	11.747	146	529	0.21	ug/L		89
81) 1,4-Dichlorobenzene	11.814	146	717	0.27	ug/L	#	44
82) n-Butylbenzene	11.996	91	1141	0.33	ug/L		91
83) 1,2-Dichlorobenzene	12.136	146	299	0.12	ug/L	#	70

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111319.D
Acq On : 14 Nov 2020 3:05 am
Operator : TNL
Sample : 0K13048-IBL5
Misc : 1X 5mL DI
ALS Vial : 19 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 15 09:43:18 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 16:47:50 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
86) 1,2,4-Trichlorobenzene	13.292	180	534	0.45	ug/L	88
87) Naphthalene	13.572	128	1479	0.66	ug/L	81
88) 1,2,3-Trichlorobenzene	13.724	180	400	0.37	ug/L	79

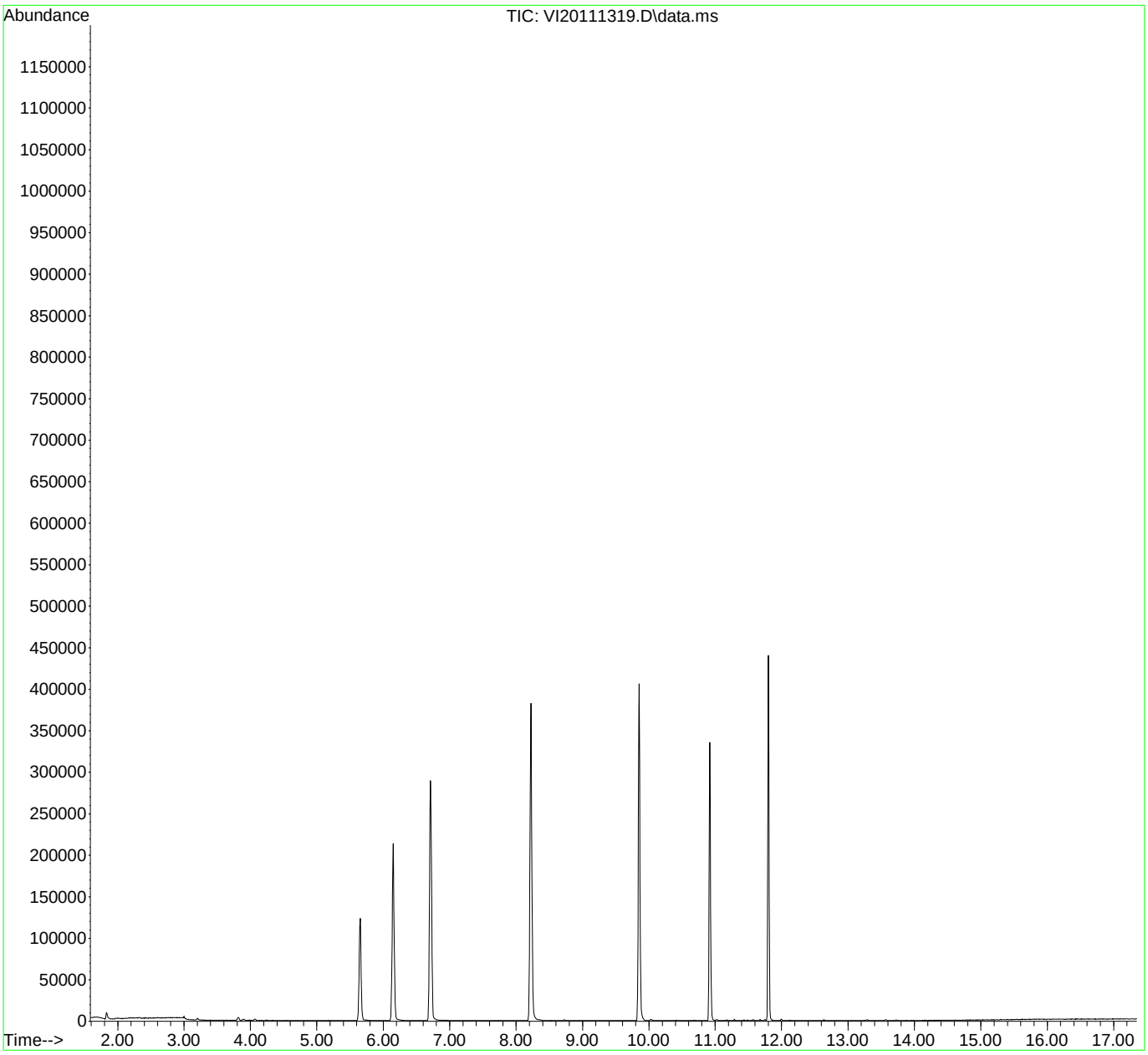
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111319.D
Acq On : 14 Nov 2020 3:05 am
Operator : TNL
Sample : 0K13048-IBL5
Misc : 1X 5mL DI
ALS Vial : 19 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 15 09:43:18 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 16:47:50 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111320.D
Acq On : 14 Nov 2020 3:32 am
Operator : TNL
Sample : 0K13048-ICV1
Misc : 1X 5mL 20/40PPB VOCRO
ALS Vial : 20 Sample Multiplier: 1 11/15/20 TNL
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 15 09:43:21 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 16:47:50 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.144	99	88607	50.00	ug/L		0.00
45) Chlorobenzene-d5 (I)	9.855	117	238482	50.00	ug/L		0.00
66) 1,4-Dichlorobenzene-d4...	11.802	152	113137	50.00	ug/L		0.00
System Monitoring Compounds							
32) Dibromofluoromethane (S)	5.645	111	85322	50.29	ug/L		0.00
39) 1,4-Difluorobenzene (S)	6.710	114	277697	50.08	ug/L		0.00
48) Toluene-d8 (S)	8.224	98	311420	49.78	ug/L		0.00
67) 4-Bromofluorobenzene (S)	10.919	174	95011	48.69	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.648	85	40848	25.79	ug/L		98
3) Chloromethane	1.861	50	39450	23.40	ug/L		96
4) Vinyl Chloride	1.964	62	41884	22.64	ug/L		97
5) Bromomethane	2.323	96	21334	18.97	ug/L		99
6) Chloroethane	2.457	64	12833	21.65	ug/L		83
7) Trichlorofluoromethane	2.622	101	37131	22.14	ug/L		97
8) Ethanol	3.181	45	61039	1194.17	ug/L		86
9) 1,1-Dichloroethene	3.181	61	47810	21.00	ug/L		98
10) Carbon Disulfide	3.199	76	87402	21.47	ug/L		99
11) Freon 113	3.236	101	29599	21.83	ug/L		95
13) Acrolein	3.564	56	9654	20.68	ug/L		69
14) Methylene Chloride	3.814	84	34252	19.59	ug/L		92
15) Acetone	3.881	43	39928	39.10	ug/L		98
16) t-1,2-Dichloroethene	3.984	61	45734	21.27	ug/L		95
17) n-Hexane	4.063	86	5749	21.23	ug/L	#	90
18) Methyl-tert-butyl-ether	4.106	73	106089	20.84	ug/L		94
19) tert-Butanol (TBA)	4.234	59	613412	1269.19	ug/L		83
20) Diisopropyl ether (DIPE)	4.501	45	24864	5.18	ug/L		95
21) 1,1-Dichloroethane	4.623	63	59948	20.18	ug/L		96
22) Acrylonitrile	4.684	53	20204	20.85	ug/L		99
23) Ethyl-tert-butyl ether...	4.879	59	24420	5.29	ug/L		98
24) Vinyl Acetate	4.891	43	82639	21.51	ug/L		98
25) c-1,2-Dichloroethene	5.177	61	45354	20.40	ug/L		95
26) 2,2-Dichloropropane	5.286	77	37886	20.35	ug/L		96

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111320.D
Acq On : 14 Nov 2020 3:32 am
Operator : TNL
Sample : 0K13048-ICV1
Misc : 1X 5mL 20/40PPB VOCRO
ALS Vial : 20 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 15 09:43:21 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 16:47:50 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Bromochloromethane	5.383	130	23181	21.57	ug/L		95
28) Chloroform	5.463	83	59107	20.68	ug/L		98
29) Carbon Tetrachloride	5.590	117	38399	20.85	ug/L		96
30) Tetrahydrofuran	5.633	42	20684	20.77	ug/L		90
31) 1,1,1-Trichloroethane	5.663	97	50631	20.47	ug/L		98
33) 1,1-Dichloropropene	5.797	75	45833	21.28	ug/L		96
34) 2-Butanone (MEK)	5.785	43	60656	40.98	ug/L		98
35) Benzene	6.053	78	135700	20.40	ug/L		99
36) tert-Amyl methyl ether...	6.053	73	2063	0.45	ug/L	#	46
37) 1,2-Dichloroethane (EDC)	6.272	62	46604	20.44	ug/L		91
38) iso-Butyl Alcohol	6.308	43	95337	530.12	ug/L		95
40) Trichloroethene (TCE)	6.673	130	36418	20.33	ug/L		93
41) Tert-Amyl-Ethyl-Ether ...	6.929	59	15456	5.58	ug/L		88
42) Dibromomethane	7.129	93	22602	21.18	ug/L		96
43) 1,2-Dichloropropane	7.239	63	34108	20.30	ug/L		94
44) Bromodichloromethane	7.312	83	42355	20.46	ug/L		93
46) 2-Chloroethyl Vinyl Ether	7.951	63	14467	20.26	ug/L	#	100
47) c-1,3-Dichloropropene	8.018	75	48419	21.05	ug/L		93
49) Toluene	8.279	91	136317	19.88	ug/L		99
50) Tetrachloroethene (PCE)	8.723	166	33571	20.44	ug/L		89
51) 4-Methyl-2-Pentanone (...	8.723	43	107173	41.50	ug/L		98
52) t-1,3-Dichloropropene	8.766	75	42838	21.15	ug/L		97
53) 1,1,2-Trichloroethane	8.942	97	32057	20.83	ug/L		93
54) Dibromochloromethane	9.125	129	30234	20.36	ug/L		98
55) 1,3-Dichloropropane	9.222	76	54617	20.97	ug/L		98
56) 1,2-Dibromoethane (EDB)	9.362	107	34195	19.88	ug/L		95
57) 2-Hexanone	9.593	43	78813	43.84	ug/L		92
58) Chlorobenzene	9.867	112	86355	20.35	ug/L		97
59) Ethylbenzene	9.891	91	142853	19.89	ug/L		99
60) 1,1,1,2-Tetrachloroethane	9.928	131	28165	21.14	ug/L		96
61) m,p-Xylenes (2)	10.025	91	214550	41.11	ug/L		98
62) o-Xylene	10.408	91	110468	20.98	ug/L		97
63) Styrene	10.457	104	85548	21.36	ug/L		96
64) Bromoform	10.481	173	21749	18.89	ug/L		98
65) Isopropylbenzene	10.676	105	132569	21.22	ug/L		100
68) Bromobenzene	11.005	156	36583	21.11	ug/L		89

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111320.D
Acq On : 14 Nov 2020 3:32 am
Operator : TNL
Sample : 0K13048-ICV1
Misc : 1X 5mL 20/40PPB VOCRO
ALS Vial : 20 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 15 09:43:21 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 16:47:50 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) n-Propylbenzene	11.017	91	150068	20.71	ug/L	98
70) 1,1,2,2-Tetrachloroethane	11.090	85	29864	20.76	ug/L	96
71) 2-Chlorotoluene	11.151	126	31875	20.70	ug/L	98
72) 1,3,5-Trimethylbenzene	11.175	105	103426	21.09	ug/L	98
73) 1,2,3-Trichloropropane	11.193	110	15361	20.34	ug/L	95
74) t-1,4-Dichloro-2-butene	11.230	53	9375	20.77	ug/L	80
75) 4-Chlorotoluene	11.285	91	91932	20.31	ug/L	97
76) tert-Butylbenzene	11.431	91	58854	20.97	ug/L	97
77) 1,2,4-Trimethylbenzene	11.485	105	102533	21.78	ug/L	97
78) sec-Butylbenzene	11.564	105	126152	20.93	ug/L	99
79) 4-Isopropyltoluene	11.674	119	102657	21.58	ug/L	99
80) 1,3-Dichlorobenzene	11.747	146	60129	20.65	ug/L	100
81) 1,4-Dichlorobenzene	11.814	146	62093	20.08	ug/L	97
82) n-Butylbenzene	11.990	91	86307	21.60	ug/L	97
83) 1,2-Dichlorobenzene	12.130	146	58856	21.11	ug/L	98
84) 1,2-Dibromo-3-Chloropr...	12.745	157	10829	19.83	ug/L	94
85) Hexachlorobutadiene	13.250	223	9017	21.89	ug/L	99
86) 1,2,4-Trichlorobenzene	13.286	180	30400	22.11	ug/L	95
87) Naphthalene	13.560	128	91525	18.65	ug/L	96
88) 1,2,3-Trichlorobenzene	13.724	180	27951	22.53	ug/L	98

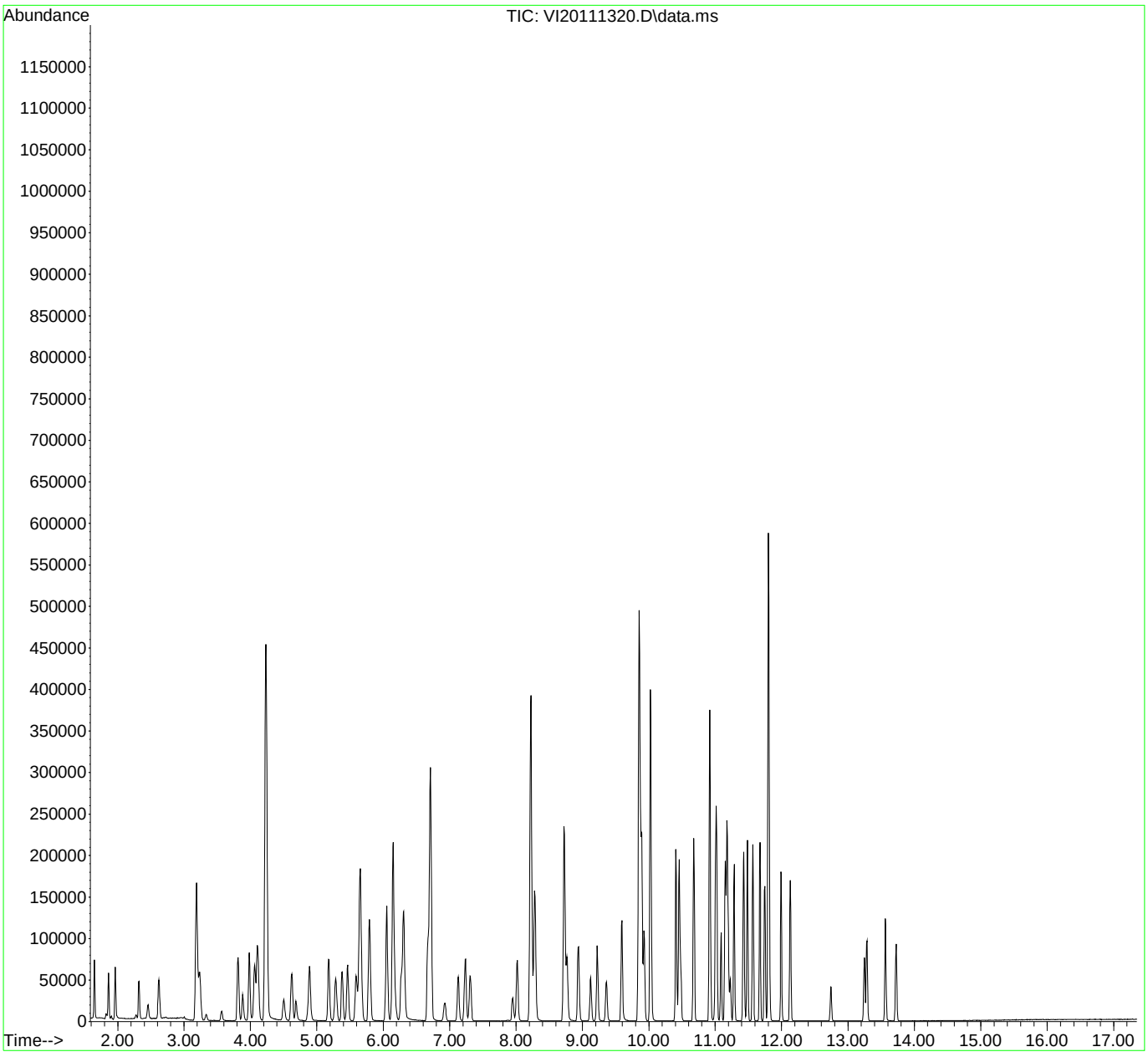
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111320.D
Acq On : 14 Nov 2020 3:32 am
Operator : TNL
Sample : 0K13048-ICV1
Misc : 1X 5mL 20/40PPB VOCRO
ALS Vial : 20 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 15 09:43:21 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 16:47:50 2020
Response via : Initial Calibration

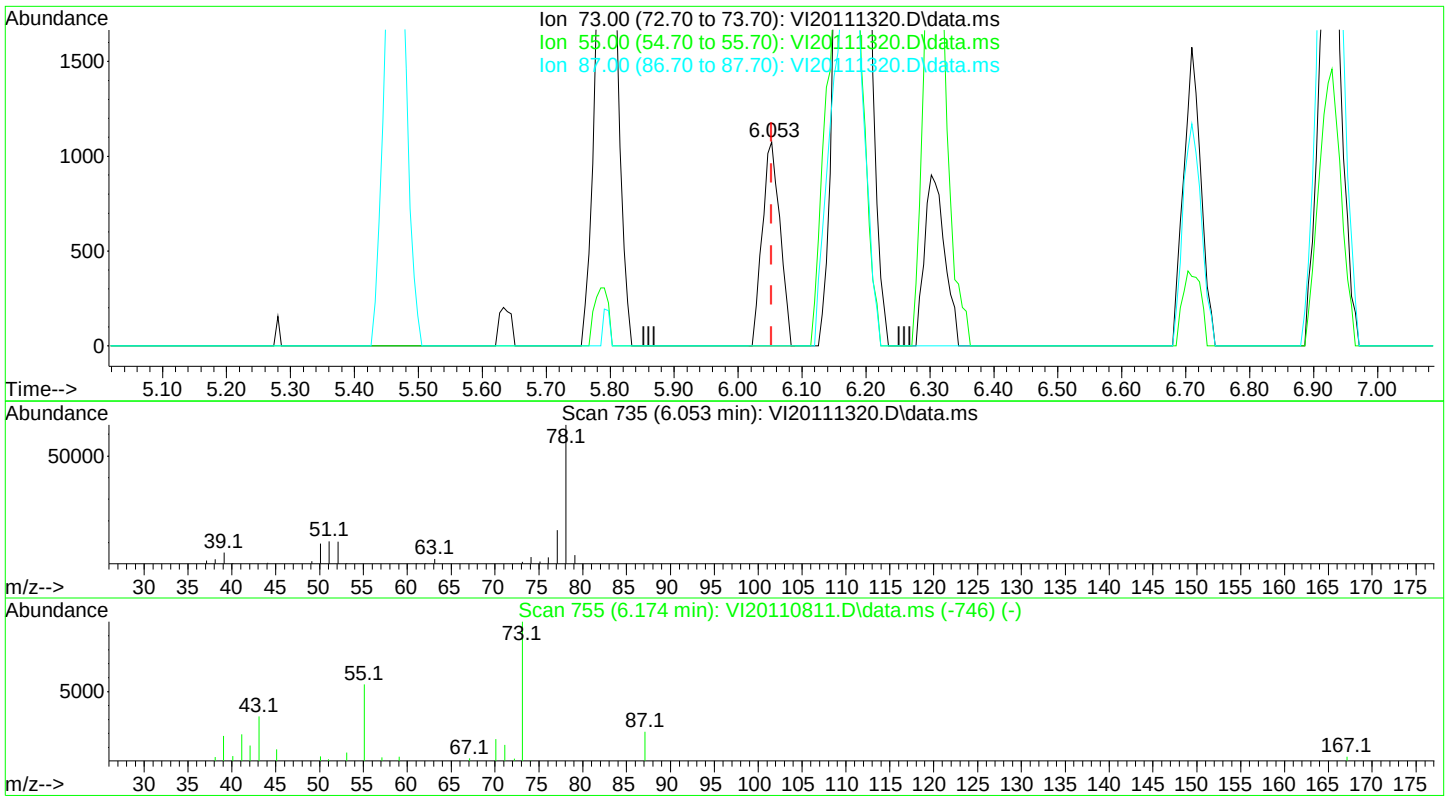


Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111320.D
Acq On : 14 Nov 2020 3:32 am
Operator : TNL
Sample : 0K13048-ICV1
Misc : 1X 5mL 20/40PPB VOCRO
ALS Vial : 20 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 15 09:43:21 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 16:47:50 2020
Response via : Initial Calibration



TIC: VI20111320.D\data.ms

(36) tert-Amyl methyl ether (TAME)

6.053min (+ 0.001) 0.45 ug/L

response 2063

Ion	Exp%	Act%
73.00	100.00	100.00
55.00	32.20	0.00#
87.00	24.60	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111320.D
Acq On : 14 Nov 2020 3:32 am
Operator : TNL
Sample : 0K13048-ICV1
Misc : 1X 5mL 20/40PPB VOCRO
ALS Vial : 20 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

11/15/20 TNL

Quant Time: Nov 15 09:45:03 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sun Nov 15 09:44:54 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.144	99	88607	50.00	ug/L		0.00
45) Chlorobenzene-d5 (I)	9.855	117	238482	50.00	ug/L		0.00
66) 1,4-Dichlorobenzene-d4...	11.802	152	113137	50.00	ug/L		0.00
System Monitoring Compounds							
32) Dibromofluoromethane (S)	5.645	111	85322	50.29	ug/L		0.00
39) 1,4-Difluorobenzene (S)	6.710	114	277697	50.08	ug/L		0.00
48) Toluene-d8 (S)	8.224	98	311420	49.78	ug/L		0.00
67) 4-Bromofluorobenzene (S)	10.919	174	95011	48.69	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.648	85	40848	25.79	ug/L		98
3) Chloromethane	1.861	50	39450	23.40	ug/L		96
4) Vinyl Chloride	1.964	62	41884	22.64	ug/L		97
5) Bromomethane	2.323	96	21334	18.97	ug/L		99
6) Chloroethane	2.457	64	12833	21.65	ug/L		83
7) Trichlorofluoromethane	2.622	101	37131	22.14	ug/L		97
8) Ethanol	3.181	45	61039	1194.17	ug/L		86
9) 1,1-Dichloroethene	3.181	61	47810	21.00	ug/L		98
10) Carbon Disulfide	3.199	76	87402	21.47	ug/L		99
11) Freon 113	3.236	101	29599	21.83	ug/L		95
13) Acrolein	3.564	56	9654	20.68	ug/L		69
14) Methylene Chloride	3.814	84	34252	19.59	ug/L		92
15) Acetone	3.881	43	39928	39.10	ug/L		98
16) t-1,2-Dichloroethene	3.984	61	45734	21.27	ug/L		95
17) n-Hexane	4.063	86	5749	21.23	ug/L	#	90
18) Methyl-tert-butyl-ether	4.106	73	106089	20.84	ug/L		94
19) tert-Butanol (TBA)	4.234	59	613412	1269.19	ug/L		83
20) Diisopropyl ether (DIPE)	4.501	45	24864	5.18	ug/L		95
21) 1,1-Dichloroethane	4.623	63	59948	20.18	ug/L		96
22) Acrylonitrile	4.684	53	20204	20.85	ug/L		99
23) Ethyl-tert-butyl ether...	4.879	59	24420	5.29	ug/L		98
24) Vinyl Acetate	4.891	43	82639	21.51	ug/L		98
25) c-1,2-Dichloroethene	5.177	61	45354	20.40	ug/L		95
26) 2,2-Dichloropropane	5.286	77	37886	20.35	ug/L		96

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111320.D
Acq On : 14 Nov 2020 3:32 am
Operator : TNL
Sample : 0K13048-ICV1
Misc : 1X 5mL 20/40PPB VOCRO
ALS Vial : 20 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 15 09:45:03 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sun Nov 15 09:44:54 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Bromochloromethane	5.383	130	23181	21.57	ug/L		95
28) Chloroform	5.463	83	59107	20.68	ug/L		98
29) Carbon Tetrachloride	5.590	117	38399	20.85	ug/L		96
30) Tetrahydrofuran	5.633	42	20684	20.77	ug/L		90
31) 1,1,1-Trichloroethane	5.663	97	50631	20.47	ug/L		98
33) 1,1-Dichloropropene	5.797	75	45833	21.28	ug/L		96
34) 2-Butanone (MEK)	5.785	43	60775	41.06	ug/L		98
35) Benzene	6.053	78	135700	20.40	ug/L		99
36) tert-Amyl methyl ether...	6.180	73	22474	4.88	ug/L		94
37) 1,2-Dichloroethane (EDC)	6.272	62	46604	20.44	ug/L		91
38) iso-Butyl Alcohol	6.308	43	94975	528.11	ug/L		95
40) Trichloroethene (TCE)	6.673	130	36418	20.33	ug/L		93
41) Tert-Amyl-Ethyl-Ether ...	6.929	59	15456	5.58	ug/L		88
42) Dibromomethane	7.129	93	22602	21.18	ug/L		96
43) 1,2-Dichloropropane	7.239	63	34108	20.30	ug/L		94
44) Bromodichloromethane	7.312	83	42355	20.46	ug/L		93
46) 2-Chloroethyl Vinyl Ether	7.951	63	14467	20.26	ug/L	#	100
47) c-1,3-Dichloropropene	8.018	75	48419	21.05	ug/L		93
49) Toluene	8.279	91	136317	19.88	ug/L		99
50) Tetrachloroethene (PCE)	8.723	166	33571	20.44	ug/L		89
51) 4-Methyl-2-Pentanone (...	8.723	43	107173	41.50	ug/L		98
52) t-1,3-Dichloropropene	8.766	75	42838	21.15	ug/L		97
53) 1,1,2-Trichloroethane	8.942	97	32057	20.83	ug/L		93
54) Dibromochloromethane	9.125	129	30234	20.36	ug/L		98
55) 1,3-Dichloropropane	9.222	76	54617	20.97	ug/L		98
56) 1,2-Dibromoethane (EDB)	9.362	107	34195	19.88	ug/L		95
57) 2-Hexanone	9.593	43	78813	43.84	ug/L		92
58) Chlorobenzene	9.867	112	86355	20.35	ug/L		97
59) Ethylbenzene	9.891	91	142853	19.89	ug/L		99
60) 1,1,1,2-Tetrachloroethane	9.928	131	28165	21.14	ug/L		96
61) m,p-Xylenes (2)	10.025	91	214550	41.11	ug/L		98
62) o-Xylene	10.408	91	110468	20.98	ug/L		97
63) Styrene	10.457	104	85548	21.36	ug/L		96
64) Bromoform	10.481	173	21749	18.89	ug/L		98
65) Isopropylbenzene	10.676	105	132569	21.22	ug/L		100
68) Bromobenzene	11.005	156	36583	21.11	ug/L		89

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111320.D
Acq On : 14 Nov 2020 3:32 am
Operator : TNL
Sample : 0K13048-ICV1
Misc : 1X 5mL 20/40PPB VOCRO
ALS Vial : 20 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 15 09:45:03 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sun Nov 15 09:44:54 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) n-Propylbenzene	11.017	91	150068	20.71	ug/L	98
70) 1,1,2,2-Tetrachloroethane	11.090	85	29864	20.76	ug/L	96
71) 2-Chlorotoluene	11.151	126	31875	20.70	ug/L	98
72) 1,3,5-Trimethylbenzene	11.175	105	103426	21.09	ug/L	98
73) 1,2,3-Trichloropropane	11.193	110	15361	20.34	ug/L	95
74) t-1,4-Dichloro-2-butene	11.230	53	9375	20.77	ug/L	80
75) 4-Chlorotoluene	11.285	91	91932	20.31	ug/L	97
76) tert-Butylbenzene	11.431	91	58854	20.97	ug/L	97
77) 1,2,4-Trimethylbenzene	11.485	105	102533	21.78	ug/L	97
78) sec-Butylbenzene	11.564	105	126152	20.93	ug/L	99
79) 4-Isopropyltoluene	11.674	119	102657	21.58	ug/L	99
80) 1,3-Dichlorobenzene	11.747	146	60129	20.65	ug/L	100
81) 1,4-Dichlorobenzene	11.814	146	62093	20.08	ug/L	97
82) n-Butylbenzene	11.990	91	86307	21.60	ug/L	97
83) 1,2-Dichlorobenzene	12.130	146	58856	21.11	ug/L	98
84) 1,2-Dibromo-3-Chloropr...	12.745	157	10829	19.83	ug/L	94
85) Hexachlorobutadiene	13.250	223	9017	21.89	ug/L	99
86) 1,2,4-Trichlorobenzene	13.286	180	30400	22.11	ug/L	95
87) Naphthalene	13.560	128	91525	18.65	ug/L	96
88) 1,2,3-Trichlorobenzene	13.724	180	27951	22.53	ug/L	98

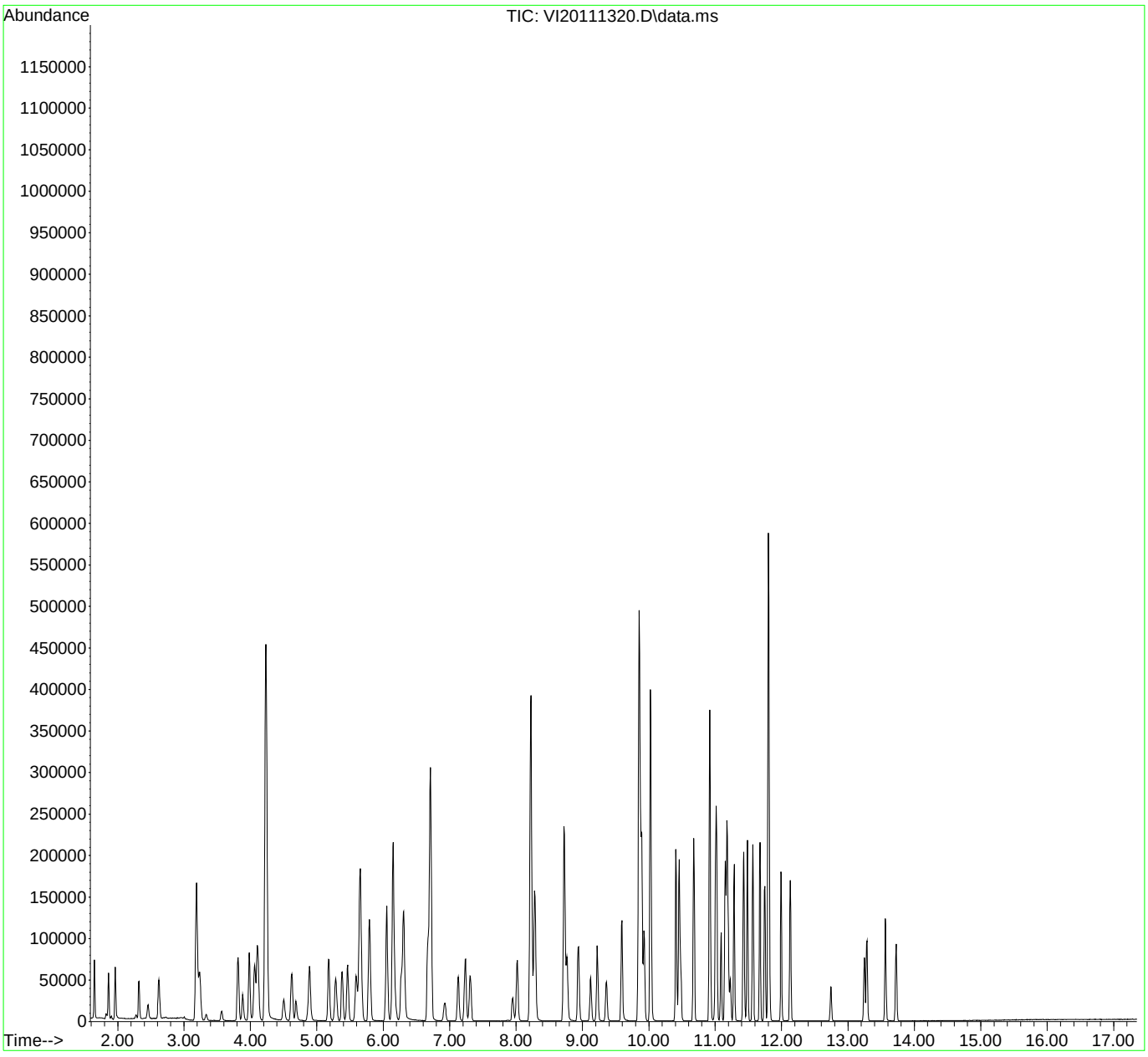
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111320.D
Acq On : 14 Nov 2020 3:32 am
Operator : TNL
Sample : 0K13048-ICV1
Misc : 1X 5mL 20/40PPB VOCRO
ALS Vial : 20 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 15 09:45:03 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sun Nov 15 09:44:54 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111321.D
Acq On : 14 Nov 2020 4:00 am
Operator : TNL
Sample : 0K13048-IBL6
Misc : 1X 5mL DI
ALS Vial : 21 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

11/15/20 TNL

Quant Time: Nov 15 09:43:24 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 16:47:50 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.150	99	84771	50.00	ug/L	#	0.00
45) Chlorobenzene-d5 (I)	9.855	117	218733	50.00	ug/L		0.00
66) 1,4-Dichlorobenzene-d4...	11.802	152	92910	50.00	ug/L		0.00
System Monitoring Compounds							
32) Dibromofluoromethane (S)	5.651	111	80111	49.36	ug/L		0.00
39) 1,4-Difluorobenzene (S)	6.716	114	265847	50.11	ug/L		0.00
48) Toluene-d8 (S)	8.224	98	293285	51.12	ug/L		0.00
67) 4-Bromofluorobenzene (S)	10.919	174	83484	52.10	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.660	85	148	0.33	ug/L	#	49
3) Chloromethane	1.873	50	249	0.15	ug/L	#	47
10) Carbon Disulfide	3.212	76	1456	0.37	ug/L		78
14) Methylene Chloride	3.826	84	3236	1.93	ug/L		89
15) Acetone	3.893	43	2982	3.05	ug/L		95
19) tert-Butanol (TBA)	4.252	59	1024	2.21	ug/L		82
61) m,p-Xylenes (2)	10.037	91	756	0.16	ug/L		90
69) n-Propylbenzene	11.029	91	817	0.14	ug/L		58
72) 1,3,5-Trimethylbenzene	11.175	105	415	0.10	ug/L	#	35
75) 4-Chlorotoluene	11.291	91	500	0.13	ug/L	#	45
77) 1,2,4-Trimethylbenzene	11.485	105	380	0.10	ug/L		93
78) sec-Butylbenzene	11.570	105	706	0.14	ug/L		59
79) 4-Isopropyltoluene	11.674	119	699	0.18	ug/L		70
80) 1,3-Dichlorobenzene	11.753	146	320	0.13	ug/L	#	75
81) 1,4-Dichlorobenzene	11.814	146	537	0.21	ug/L	#	49
82) n-Butylbenzene	11.996	91	749	0.23	ug/L		95
86) 1,2,4-Trichlorobenzene	13.286	180	412	0.36	ug/L		88
87) Naphthalene	13.572	128	1686	0.72	ug/L		81
88) 1,2,3-Trichlorobenzene	13.724	180	416	0.41	ug/L		87

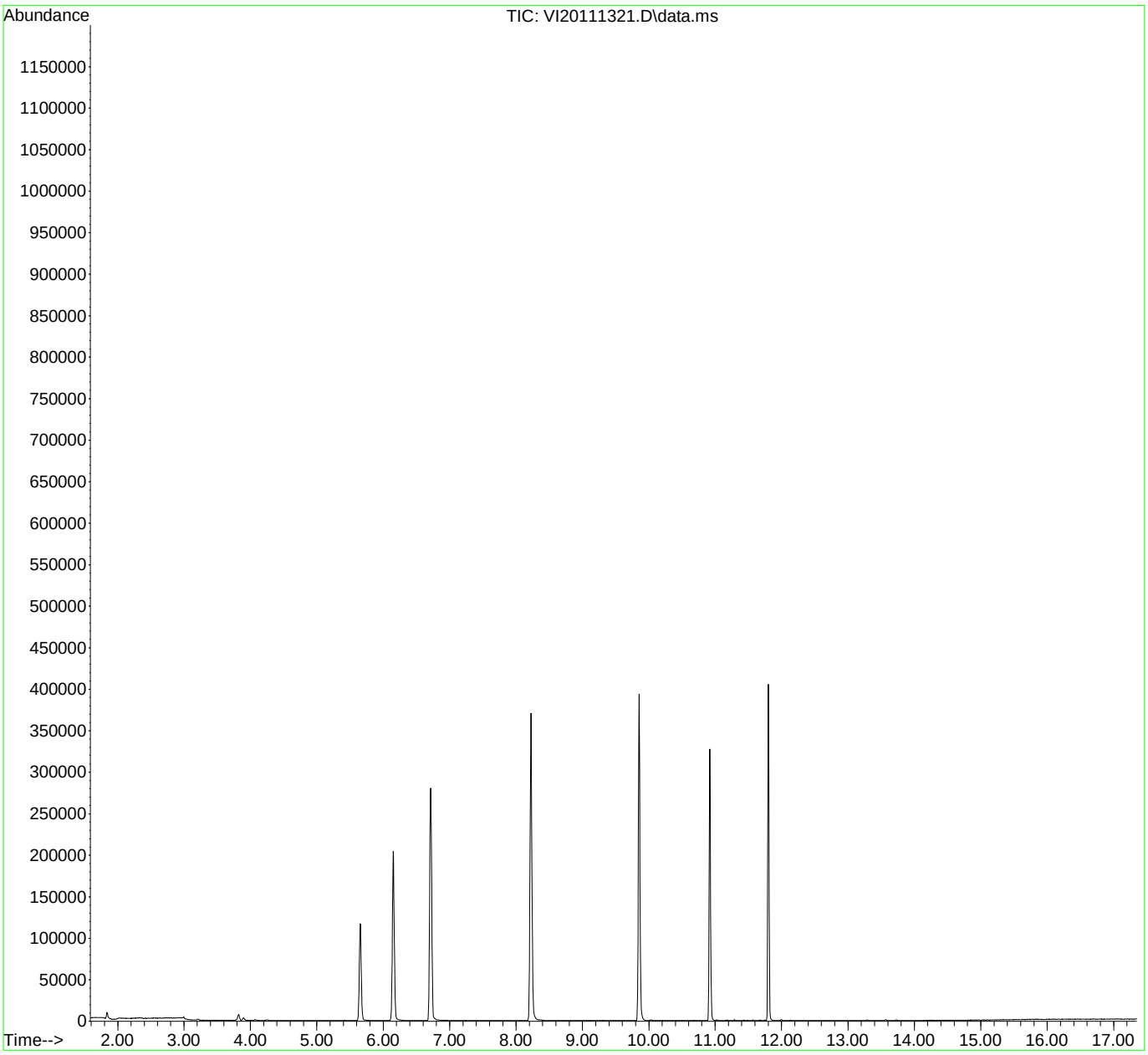
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111321.D
Acq On : 14 Nov 2020 4:00 am
Operator : TNL
Sample : 0K13048-IBL6
Misc : 1X 5mL DI
ALS Vial : 21 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 15 09:43:24 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 16:47:50 2020
Response via : Initial Calibration

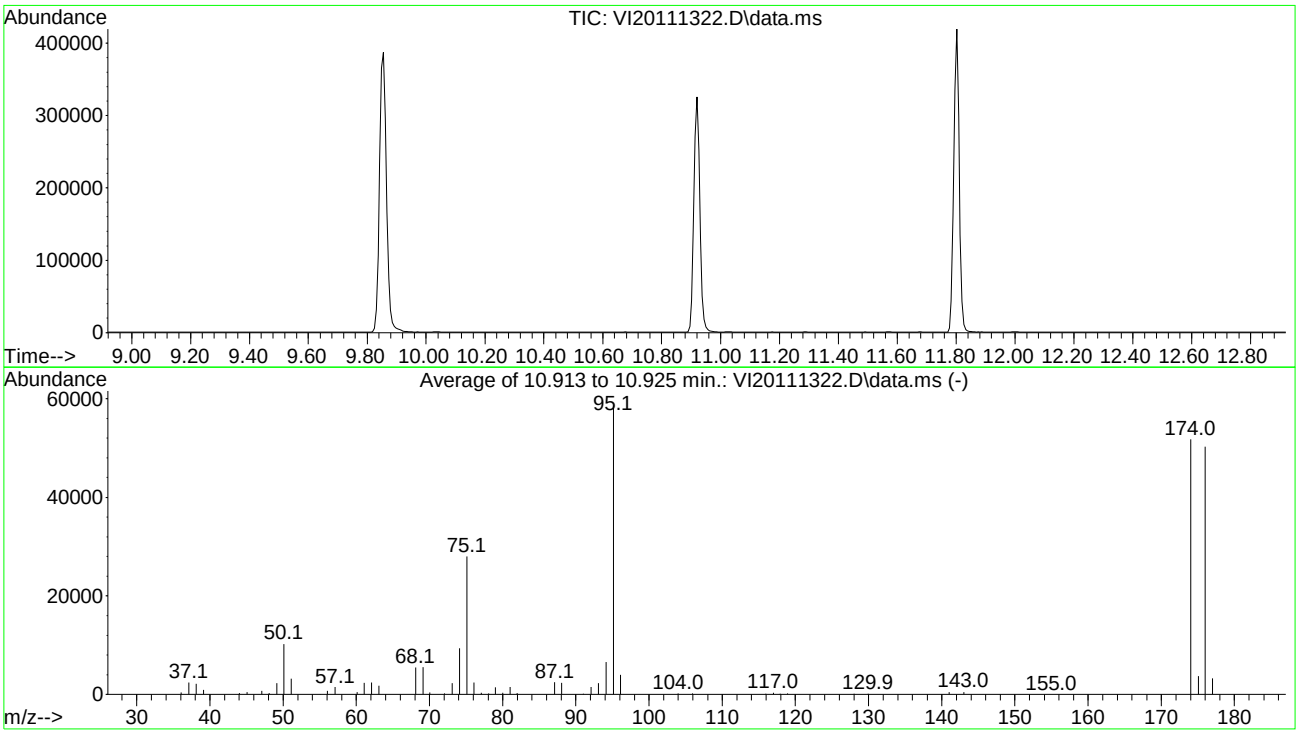


Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111322.D
Acq On : 14 Nov 2020 4:27 am
Operator : TNL
Sample : 0K13048-TUN2
Misc : A20I023 5mL BFB (IS/SURR)
ALS Vial : 22 Sample Multiplier: 1

11/15/20 TNL

Integration File: RTEINT.P

Method : C:\msdchem\1\methods\VI201114W.M
Title : EPA 8260: Volatile Organic Compounds
Last Update : Sun Nov 15 09:44:54 2020



AutoFind: Scans 1534, 1535, 1536; Background Corrected with Scan 1527

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	174	50	200	113.3	58611	PASS
96	95	5	9	6.9	4015	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	200	88.3	51747	PASS
175	174	5	9	7.2	3747	PASS
176	174	95	105	97.2	50285	PASS
177	176	5	10	6.6	3304	PASS

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111322.D
Acq On : 14 Nov 2020 4:27 am
Operator : TNL
Sample : 0K13048-TUN2
Misc : A20I023 5mL BFB (IS/SURR)
ALS Vial : 22 Sample Multiplier: 1 11/15/20 TNL
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 15 09:43:28 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 16:47:50 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (I)	6.144	99	86000	50.00	ug/L	# 0.00
45) Chlorobenzene-d5 (I)	9.855	117	221094	50.00	ug/L	0.00
66) 1,4-Dichlorobenzene-d4...	11.802	152	92224	50.00	ug/L	0.00
System Monitoring Compounds						
32) Dibromofluoromethane (S)	5.651	111	81275	49.36	ug/L	0.00
39) 1,4-Difluorobenzene (S)	6.710	114	267633	49.73	ug/L	0.00
48) Toluene-d8 (S)	8.224	98	297725	51.34	ug/L	0.00
67) 4-Bromofluorobenzene (S)	10.919	174	84031	52.83	ug/L	0.00
Target Compounds						Qvalue
3) Chloromethane	1.861	50	219	0.13	ug/L	# 47
5) Bromomethane	2.323	96	159	0.15	ug/L	86
10) Carbon Disulfide	3.199	76	806	0.20	ug/L	78
14) Methylene Chloride	3.814	84	1982	1.17	ug/L	95
15) Acetone	3.887	43	1917	1.93	ug/L	92
19) tert-Butanol (TBA)	4.246	59	694	1.48	ug/L	46
80) 1,3-Dichlorobenzene	11.814	146	227	0.10	ug/L	# 9
81) 1,4-Dichlorobenzene	11.814	146	227	0.09	ug/L	# 4
82) n-Butylbenzene	11.996	91	355	0.11	ug/L	77
87) Naphthalene	13.566	128	529	0.44	ug/L	81

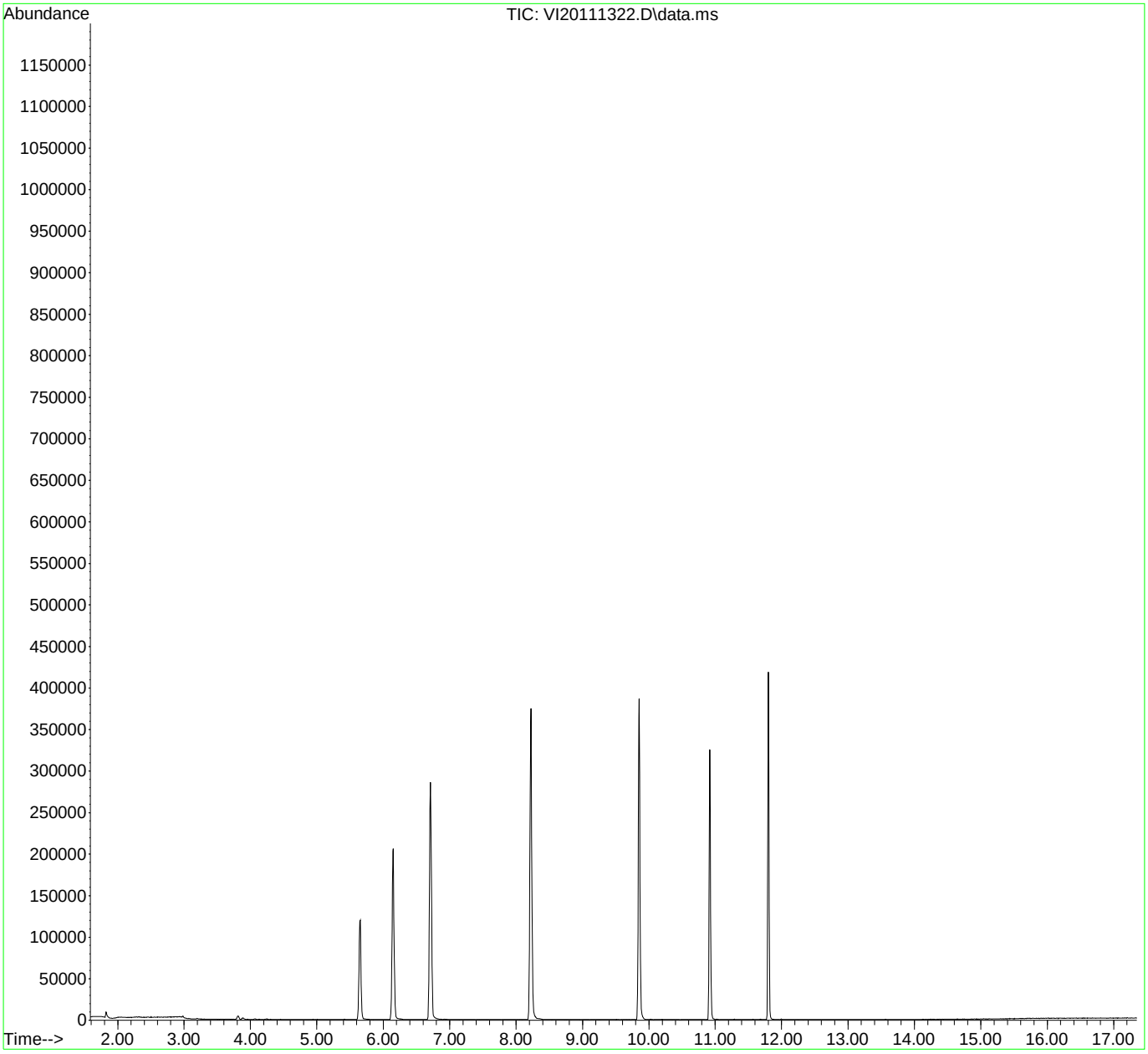
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111322.D
Acq On : 14 Nov 2020 4:27 am
Operator : TNL
Sample : 0K13048-TUN2
Misc : A20I023 5mL BFB (IS/SURR)
ALS Vial : 22 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 15 09:43:28 2020
Quant Method : C:\msdchem\1\methods\VI201114W.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Sat Nov 14 16:47:50 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111323.D
Acq On : 14 Nov 2020 4:54 am
Operator : TNL
Sample : 0K13048-ICB2
Misc : 1X 5mL DI
ALS Vial : 23 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

11/15/20 TNL

Quant Time: Nov 15 09:46:15 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:27:50 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.150	168	173881	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.710	114	274971	49.31	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.919	174	86516	46.80	ug/L	0.00
9) Toluene-d8 (NR)	8.224	98	306222	0.00	ug/L	0.00
11) Chlorobenzene-d5 (NR)	9.855	117	226696	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.801	150	149480	0.00	ug/L	0.00
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.890	TIC	-24050m	23.75	ug/L	
5) TPHg (C5-C9)	9.890	TIC	-214376m	32.47	ug/L	
6) TPHg (C6-C10)	9.890	TIC	-233834m	45.49	ug/L	
7) CA-LUFT (C5-C12)	9.890	TIC	254562m	36.23	ug/L	

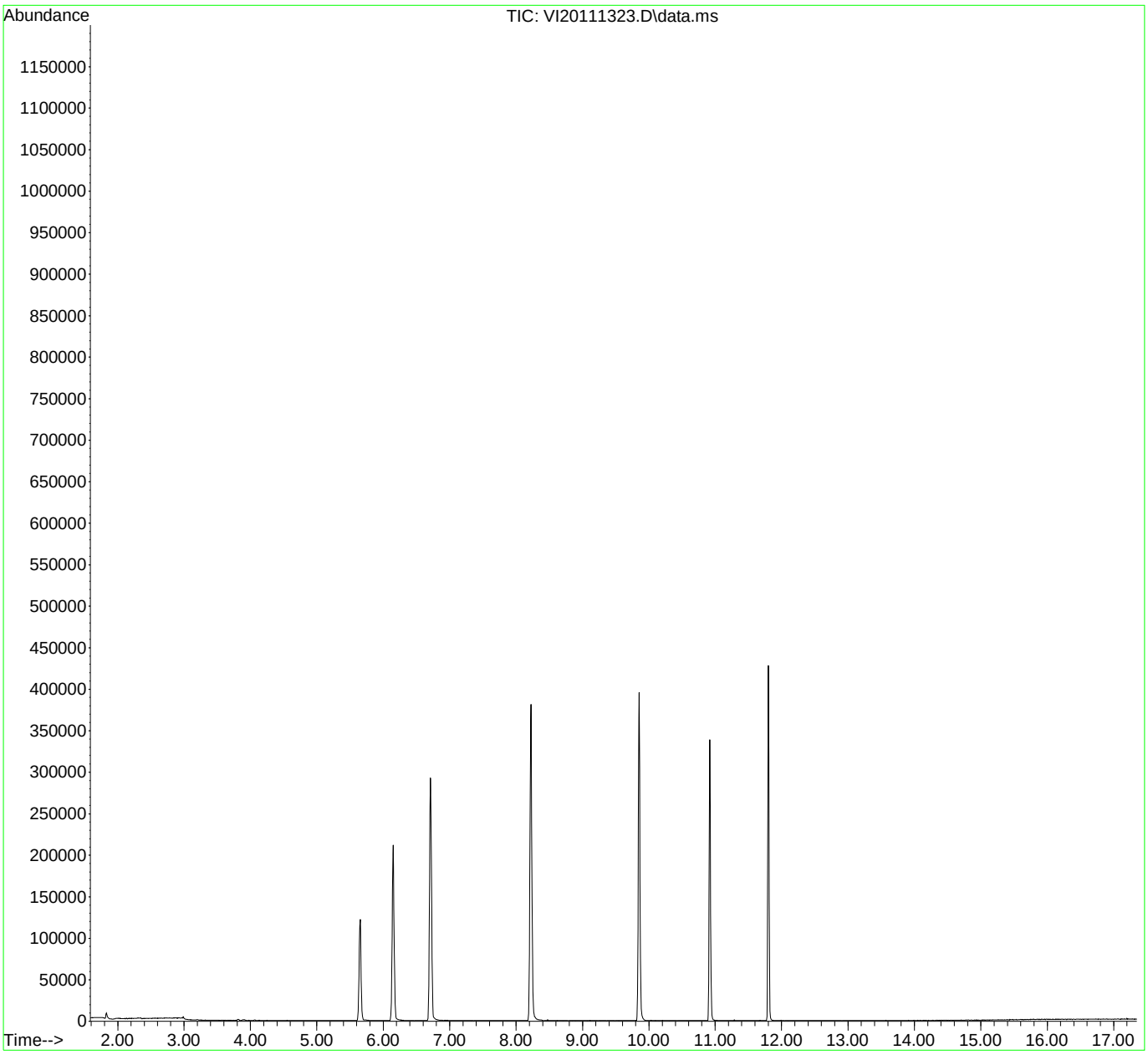
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111323.D
Acq On : 14 Nov 2020 4:54 am
Operator : TNL
Sample : 0K13048-ICB2
Misc : 1X 5mL DI
ALS Vial : 23 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 15 09:46:15 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:27:50 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111324.D
Acq On : 14 Nov 2020 5:21 am
Operator : TNL 11/15/20 TNL
Sample : 0K13048-RT1
Misc : 1X 5mL A20I121
ALS Vial : 24 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 15 09:46:18 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:27:50 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.150	168	174028	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.710	114	276496	49.54	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.920	174	91935	49.69	ug/L	0.00
9) Toluene-d8 (NR)	8.218	98	312162	0.00	ug/L	0.00
11) Chlorobenzene-d5 (NR)	9.855	117	235134	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.802	150	167732	0.00	ug/L	0.00
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.890	TIC	1809593m	389.20	ug/L	
5) TPHg (C5-C9)	9.890	TIC	887192m	203.71	ug/L	
6) TPHg (C6-C10)	9.890	TIC	741480m	216.75	ug/L	
7) CA-LUFT (C5-C12)	9.890	TIC	2090637m	272.71	ug/L	

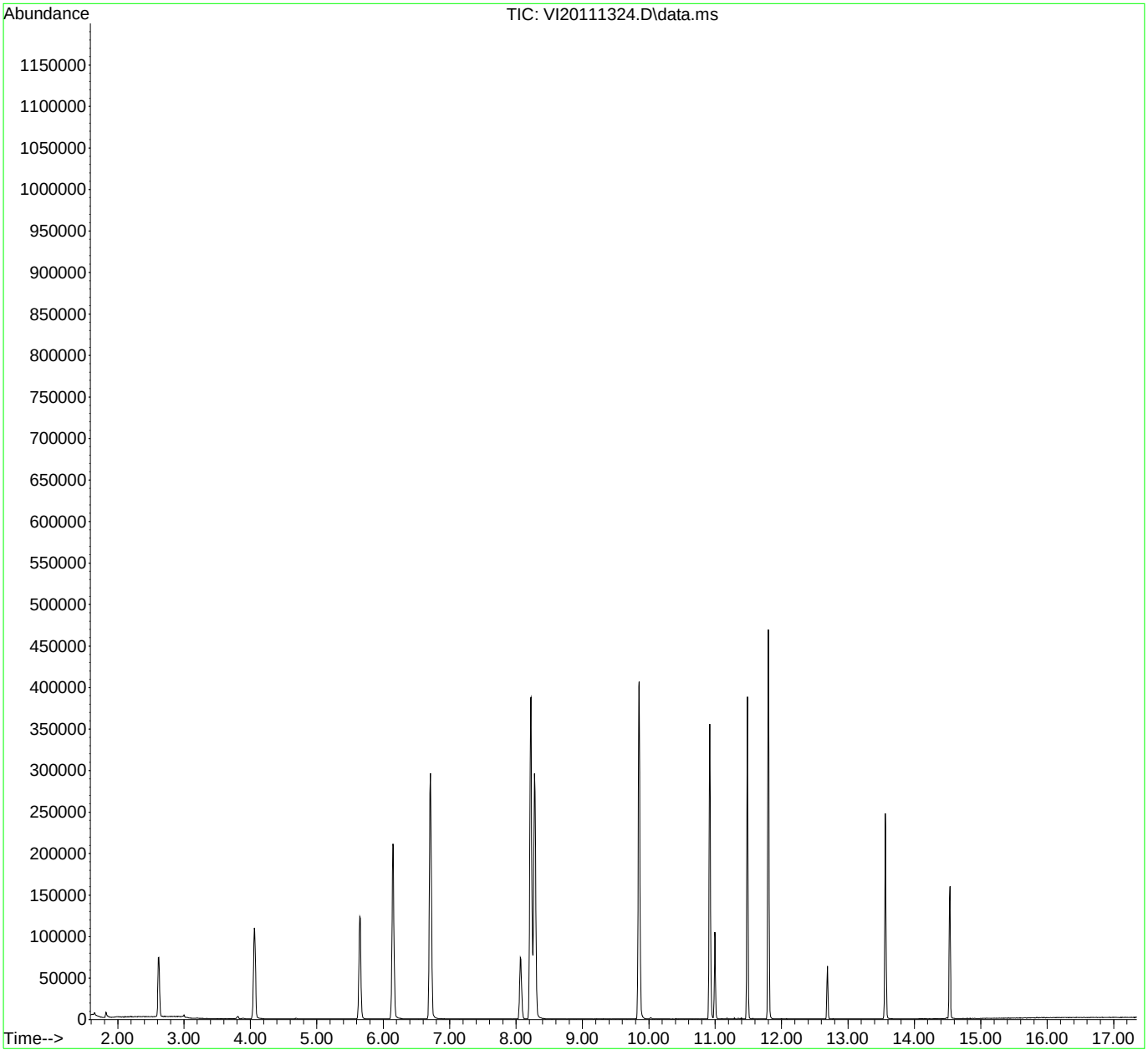
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111324.D
Acq On : 14 Nov 2020 5:21 am
Operator : TNL
Sample : 0K13048-RT1
Misc : 1X 5mL A20I121
ALS Vial : 24 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 15 09:46:18 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:27:50 2020
Response via : Initial Calibration

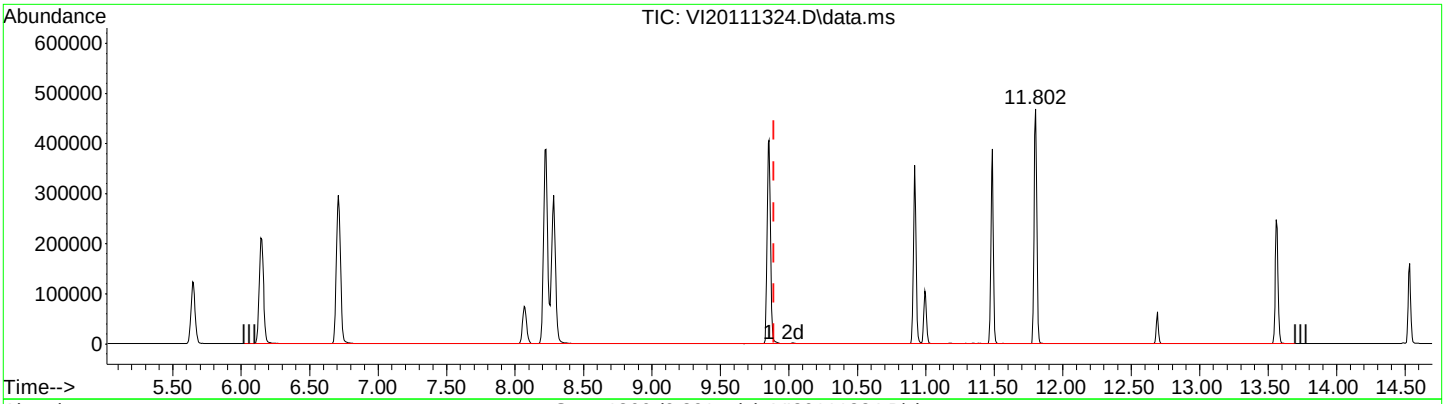


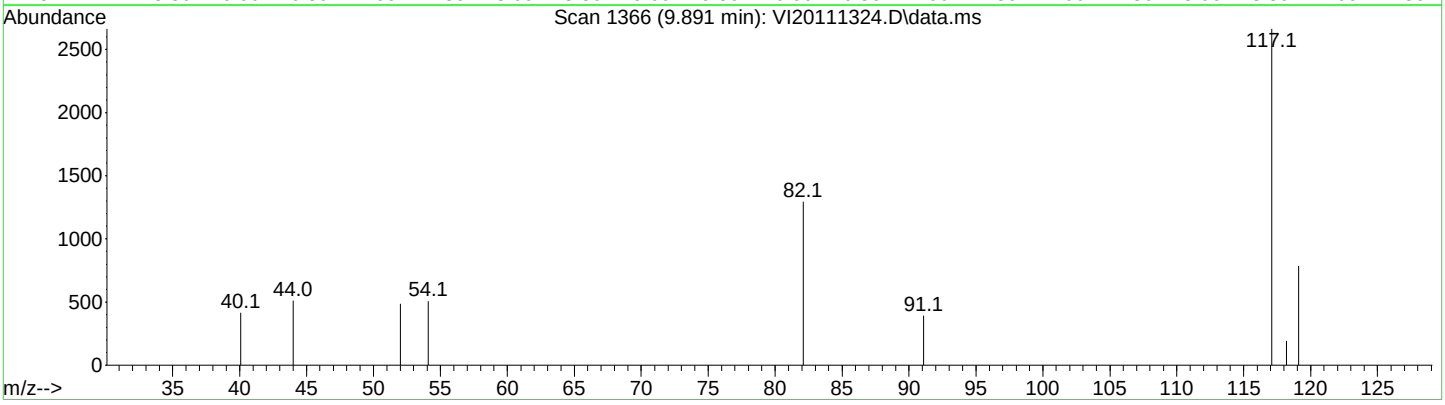
Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111324.D
Acq On : 14 Nov 2020 5:21 am
Operator : TNL
Sample : 0K13048-RT1
Misc : 1X 5mL A20I121
ALS Vial : 24 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 15 09:46:18 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:27:50 2020
Response via : Initial Calibration





TIC: VI20111324.D\data.ms

(4) NWTPH-Gx (TPH) (H)
9.890min (0.000) 389.20 ug/L m
response 1809593

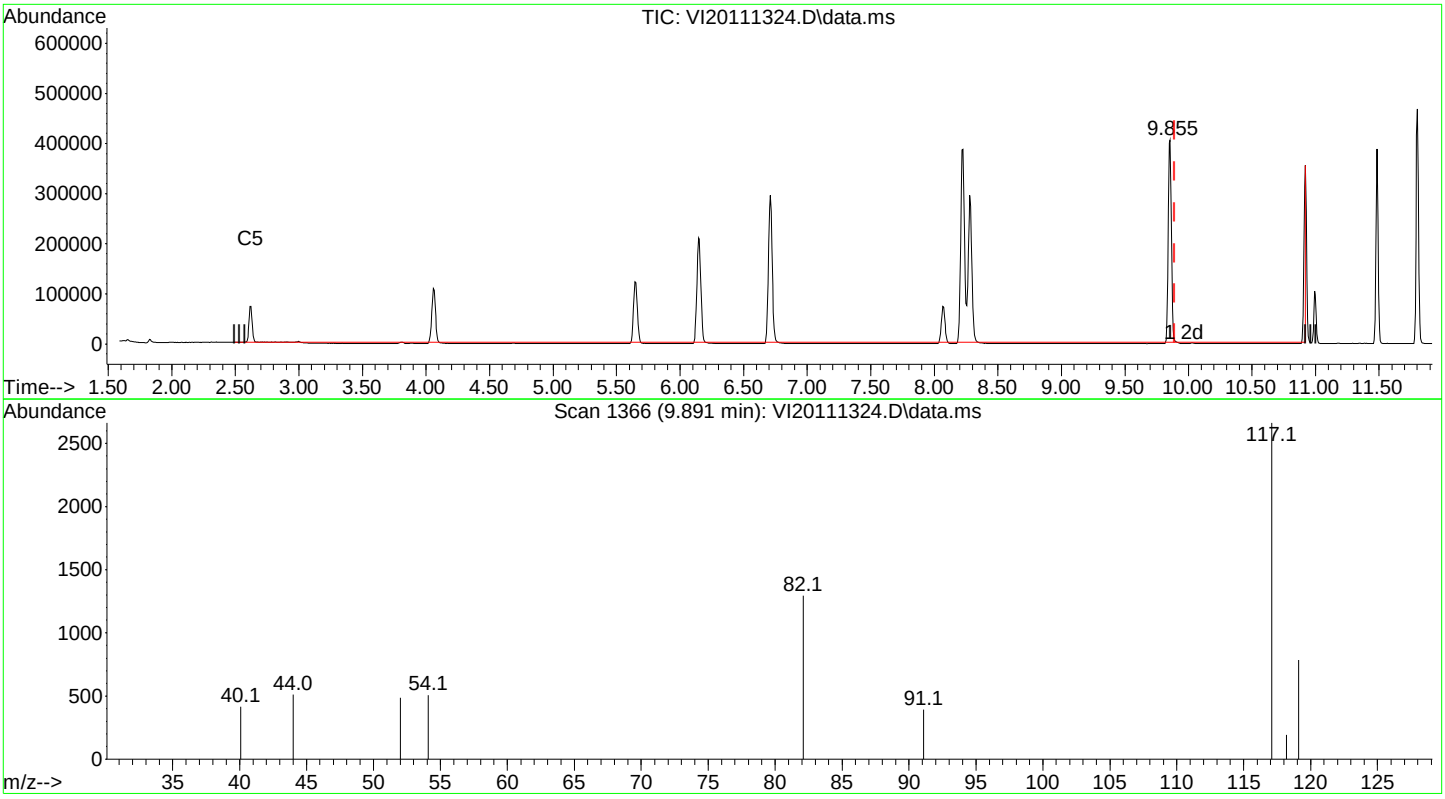
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.82#
0.00	0.00	0.58#
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111324.D
Acq On : 14 Nov 2020 5:21 am
Operator : TNL
Sample : 0K13048-RT1
Misc : 1X 5mL A20I121
ALS Vial : 24 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 15 09:46:18 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:27:50 2020
Response via : Initial Calibration



TIC: VI20111324.D\data.ms

(5) TPHg (C5-C9) (H)
9.890min (0.000) 203.71 ug/L m
response 887192

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	1.67#
0.00	0.00	1.19#
0.00	0.00	0.00

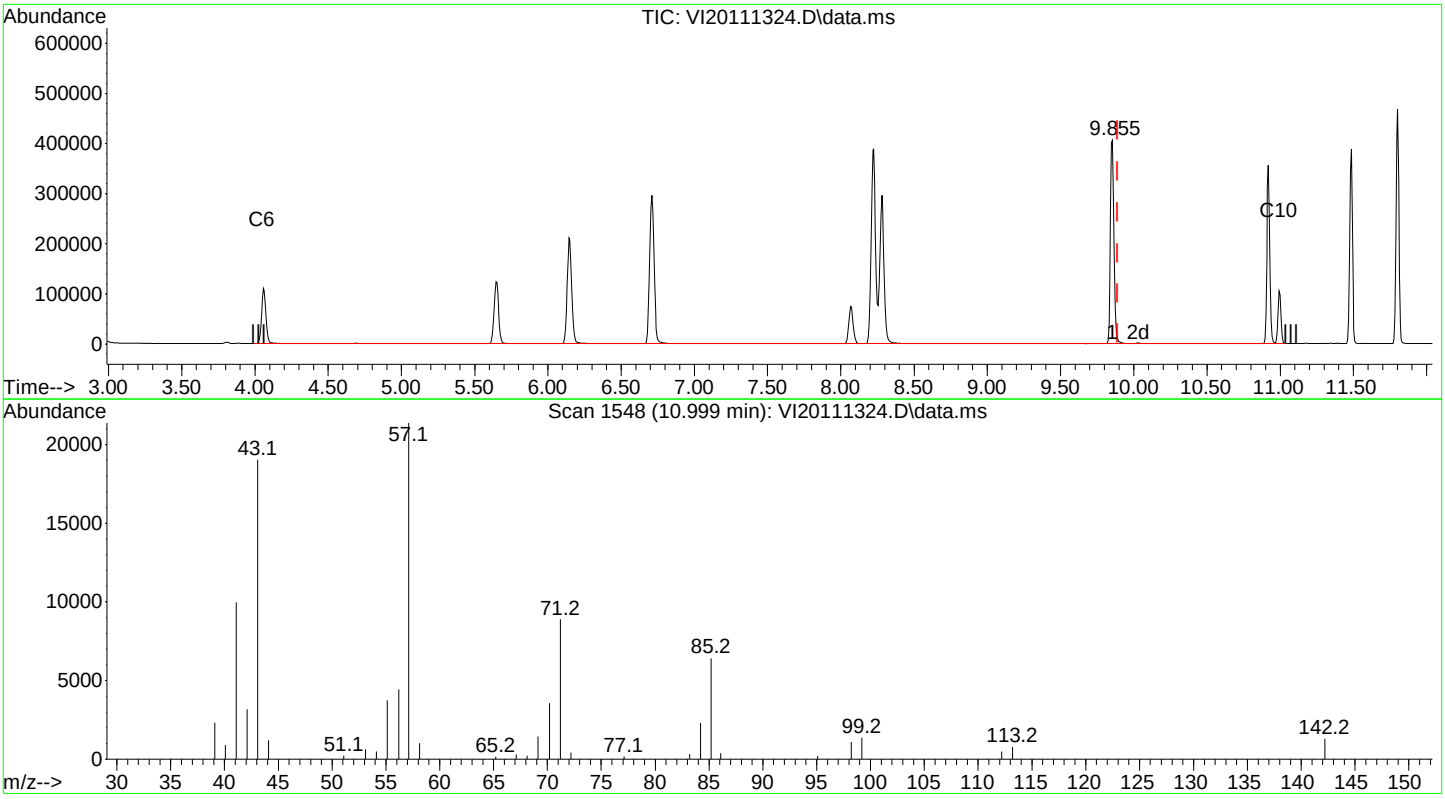
rt window wrong
mm

Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111324.D
Acq On : 14 Nov 2020 5:21 am
Operator : TNL
Sample : 0K13048-RT1
Misc : 1X 5mL A20I121
ALS Vial : 24 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 15 09:49:33 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:27:50 2020
Response via : Initial Calibration



TIC: VI20111324.D\data.ms

(6) TPHg (C6-C10) (H)
9.890min (0.000) 326.98 ug/L m
response 1372599

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	1.08#
0.00	0.00	0.77#
0.00	0.00	0.00

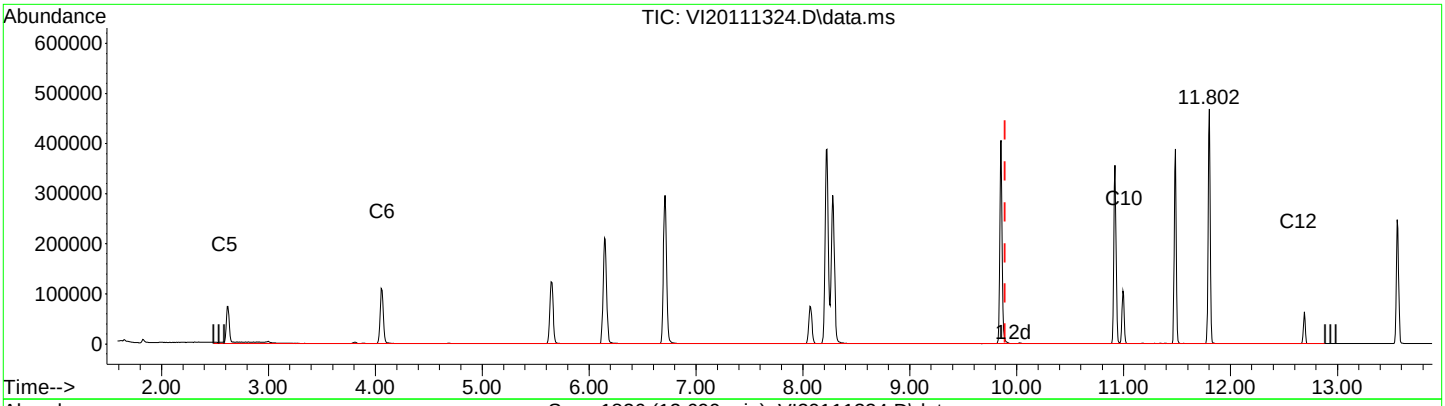
wrong rt window
mm

Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111324.D
Acq On : 14 Nov 2020 5:21 am
Operator : TNL
Sample : 0K13048-RT1
Misc : 1X 5mL A20I121
ALS Vial : 24 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 15 09:49:33 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:27:50 2020
Response via : Initial Calibration



TIC: VI20111324.D\data.ms

(7) CA-LUFT (C5-C12) (H)
9.890min (0.000) 272.71 ug/L m
response 2090637

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.71#
0.00	0.00	0.51#
0.00	0.00	0.00

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111325.D
Acq On : 14 Nov 2020 5:48 am
Operator : TNL
Sample : 0K13048-IBL7
Misc : 1X 5mL DI
ALS Vial : 25 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

11/15/20 TNL

Quant Time: Nov 15 09:46:21 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:27:50 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.150	168	162537	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.716	114	258138	49.53	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.919	174	79655	46.09	ug/L	0.00
9) Toluene-d8 (NR)	8.224	98	291068	0.00	ug/L	0.00
11) Chlorobenzene-d5 (NR)	9.855	117	214634	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.802	150	138506	0.00	ug/L	0.00
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.890	TIC	-24626m	23.28	ug/L	
5) TPHg (C5-C9)	9.890	TIC	-198052m	32.86	ug/L	
6) TPHg (C6-C10)	9.890	TIC	-220902m	45.05	ug/L	
7) CA-LUFT (C5-C12)	9.890	TIC	242210m	36.83	ug/L	

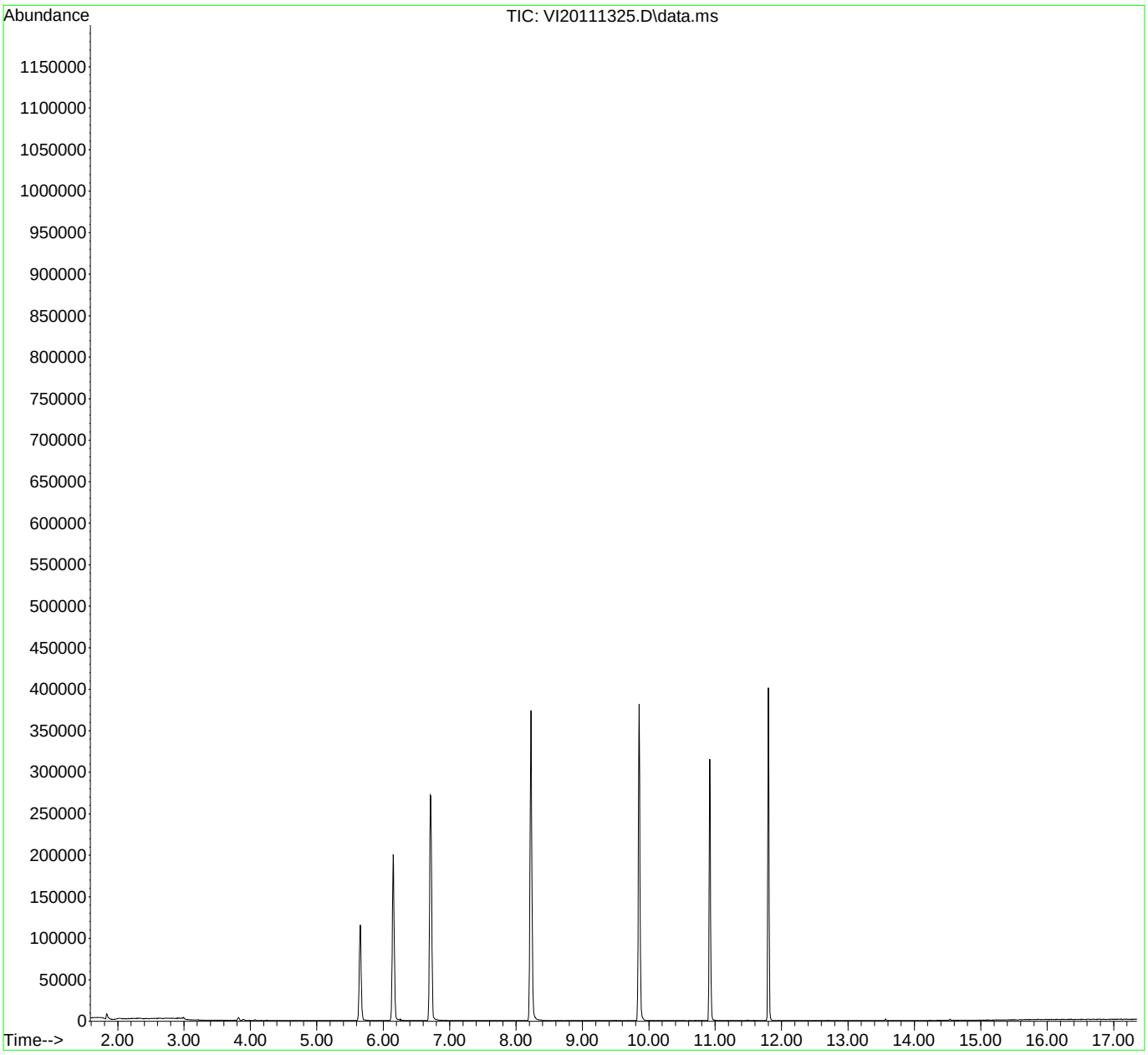
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111325.D
Acq On : 14 Nov 2020 5:48 am
Operator : TNL
Sample : 0K13048-IBL7
Misc : 1X 5mL DI
ALS Vial : 25 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 15 09:46:21 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:27:50 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111326.D
Acq On : 14 Nov 2020 6:15 am
Operator : TNL
Sample : 0K13048-CALC
Misc : 1X 5mL 50 PPB GX
ALS Vial : 26 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

11/15/20 TNL

Quant Time: Nov 14 17:20:17 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:20:04 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.150	168	165118	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.710	114	260922	49.76	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.919	174	82875	48.92	ug/L	0.00
9) Toluene-d8 (NR)	8.224	98	293677	0.00	ug/L	0.00
11) Chlorobenzene-d5 (NR)	9.855	117	217765	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.802	150	146223	0.00	ug/L	0.00
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.890	TIC	140256m	59.27	ug/L	
5) TPHg (C5-C9)	9.890	TIC	48036m	Below	Cal	
6) TPHg (C6-C10)	9.890	TIC	-38688m	Below	Cal	
7) CA-LUFT (C5-C12)	9.890	TIC	529946m	60.46	ug/L	

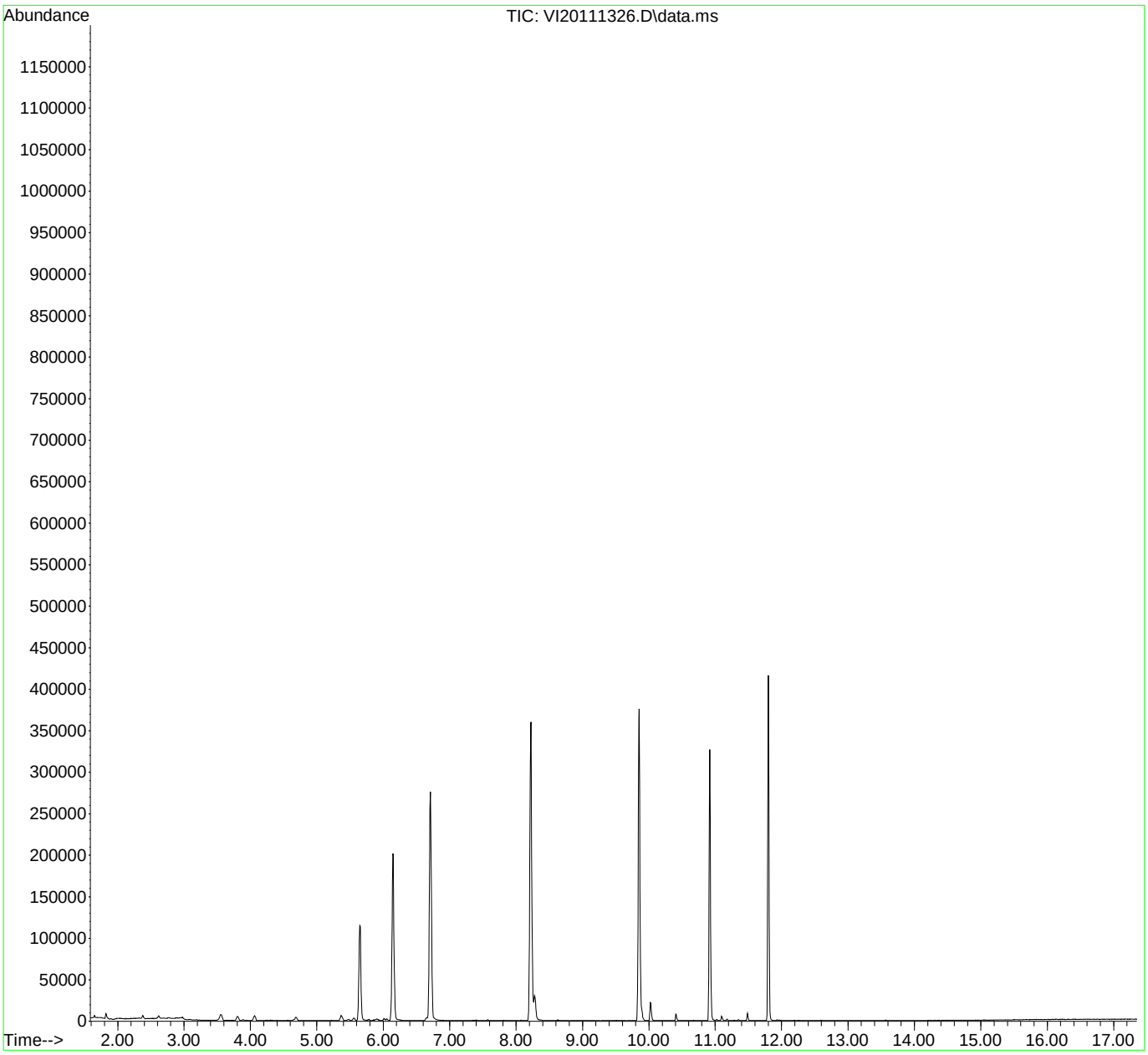
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111326.D
Acq On : 14 Nov 2020 6:15 am
Operator : TNL
Sample : 0K13048-CALC
Misc : 1X 5mL 50 PPB GX
ALS Vial : 26 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 17:20:17 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:20:04 2020
Response via : Initial Calibration

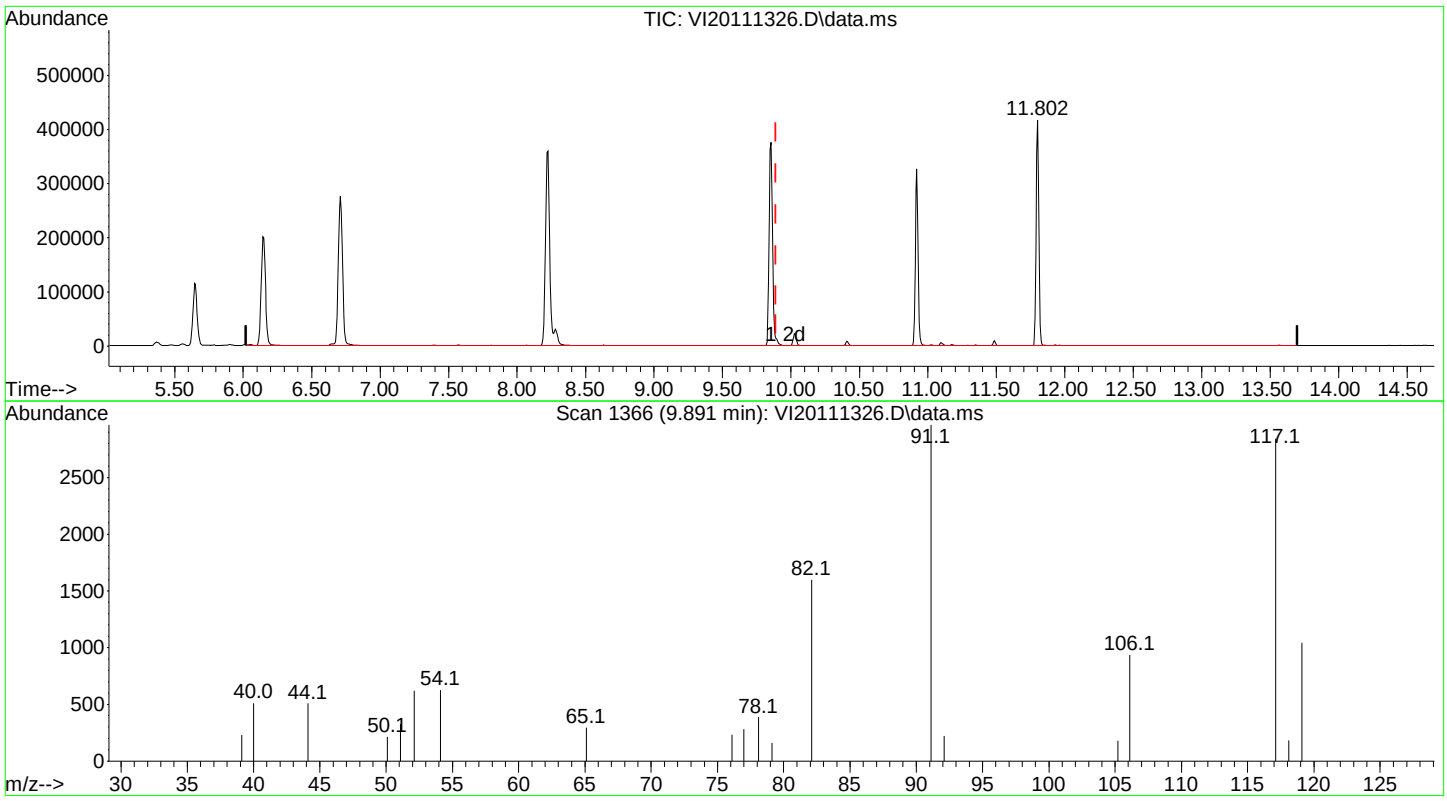


Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111326.D
Acq On : 14 Nov 2020 6:15 am
Operator : TNL
Sample : 0K13048-CALC
Misc : 1X 5mL 50 PPB GX
ALS Vial : 26 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 17:20:17 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:20:04 2020
Response via : Initial Calibration



TIC: VI20111326.D\data.ms

(4) NWTPH-Gx (TPH) (H)

9.890min (0.000) 59.27 ug/L m

response 140256

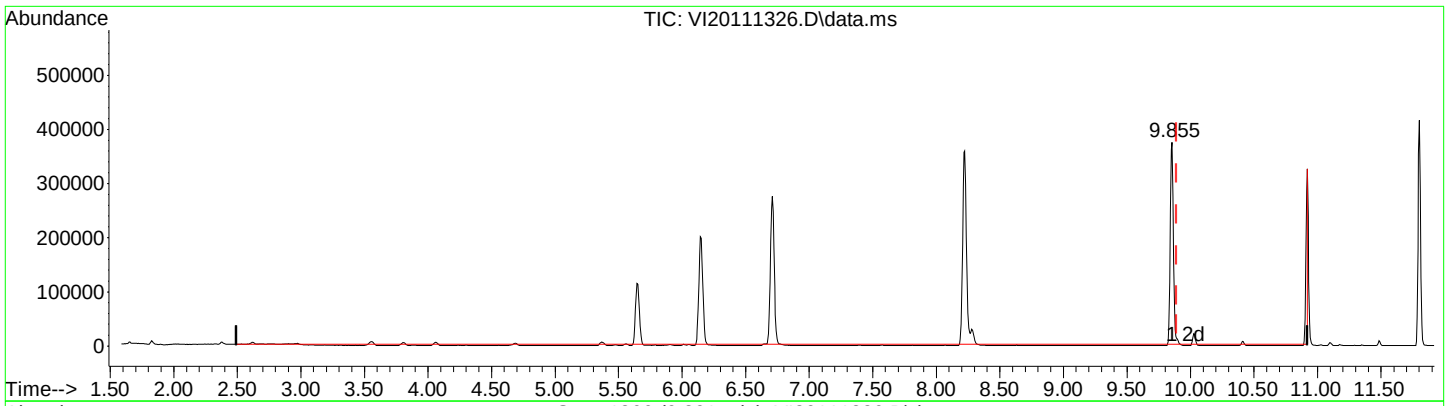
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

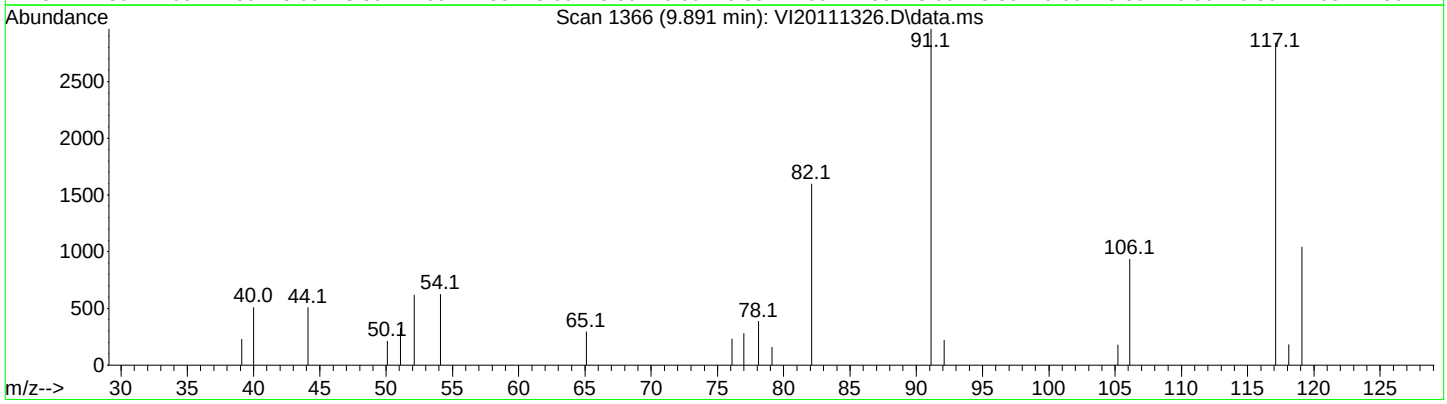
Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111326.D
Acq On : 14 Nov 2020 6:15 am
Operator : TNL
Sample : 0K13048-CALC
Misc : 1X 5mL 50 PPB GX
ALS Vial : 26 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 17:20:17 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:20:04 2020
Response via : Initial Calibration





TIC: VI20111326.D\data.ms

(5) TPHg (C5-C9) (H)

9.890min (0.000) -1.00 ug/L m

response 48036

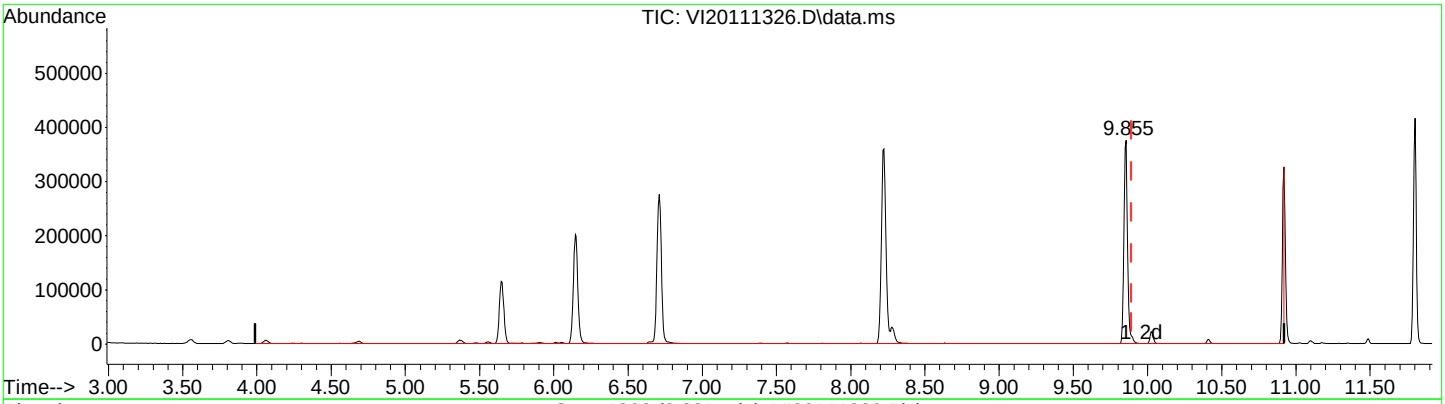
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

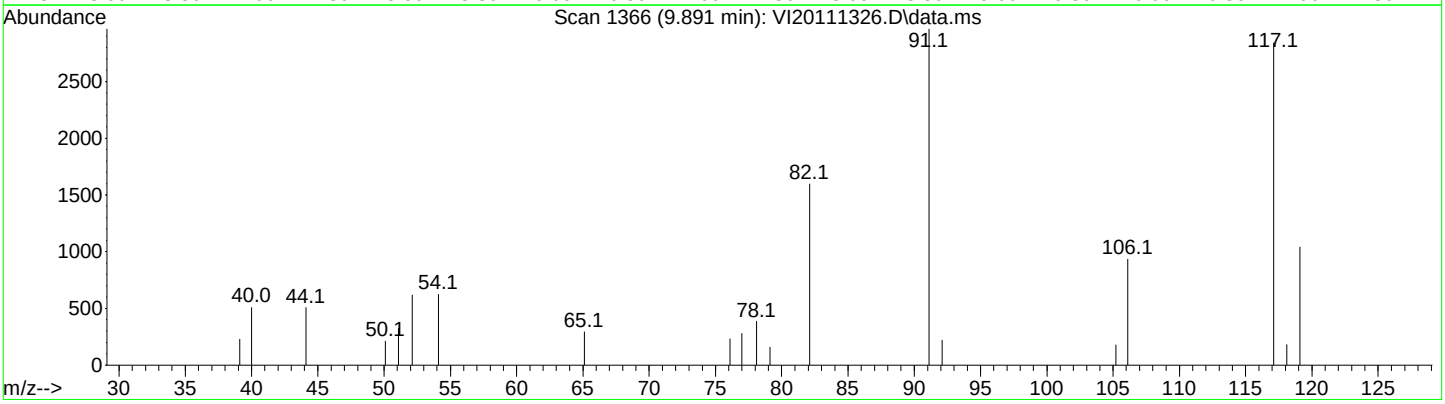
Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111326.D
Acq On : 14 Nov 2020 6:15 am
Operator : TNL
Sample : 0K13048-CALC
Misc : 1X 5mL 50 PPB GX
ALS Vial : 26 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 17:20:17 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:20:04 2020
Response via : Initial Calibration





TIC: VI20111326.D\data.ms

(6) TPHg (C6-C10) (H)

9.890min (0.000) -1.00 ug/L m

response -38688

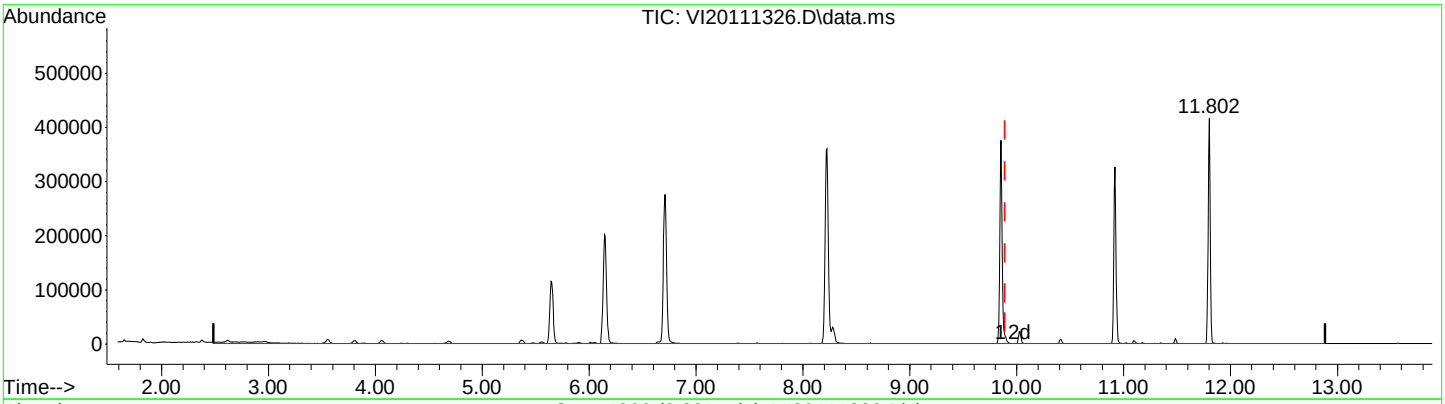
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	-0.00
0.00	0.00	-0.00
0.00	0.00	-0.00

Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111326.D
Acq On : 14 Nov 2020 6:15 am
Operator : TNL
Sample : 0K13048-CALC
Misc : 1X 5mL 50 PPB GX
ALS Vial : 26 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 17:20:17 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:20:04 2020
Response via : Initial Calibration



TIC: VI20111326.D\data.ms

(7) CA-LUFT (C5-C12) (H)
9.890min (0.000) 60.46 ug/L m
response 529946

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111326.D
Acq On : 14 Nov 2020 6:15 am
Operator : TNL
Sample : 0K13048-CALC
Misc : 1X 5mL 50 PPB GX
ALS Vial : 26 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

11/15/20 TNL

Quant Time: Nov 14 17:20:17 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:20:04 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.150	168	165118	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.710	114	260922	49.76	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.919	174	82875	48.92	ug/L	0.00
9) Toluene-d8 (NR)	8.224	98	293677	0.00	ug/L	0.00
11) Chlorobenzene-d5 (NR)	9.855	117	217765	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.802	150	146223	0.00	ug/L	0.00
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.890	TIC	140256m	59.27	ug/L	
5) TPHg (C5-C9)	9.890	TIC	48036m	Below Cal		
6) TPHg (C6-C10)	9.890	TIC	-38688m	Below Cal		
7) CA-LUFT (C5-C12)	9.890	TIC	529946m	60.46	ug/L	

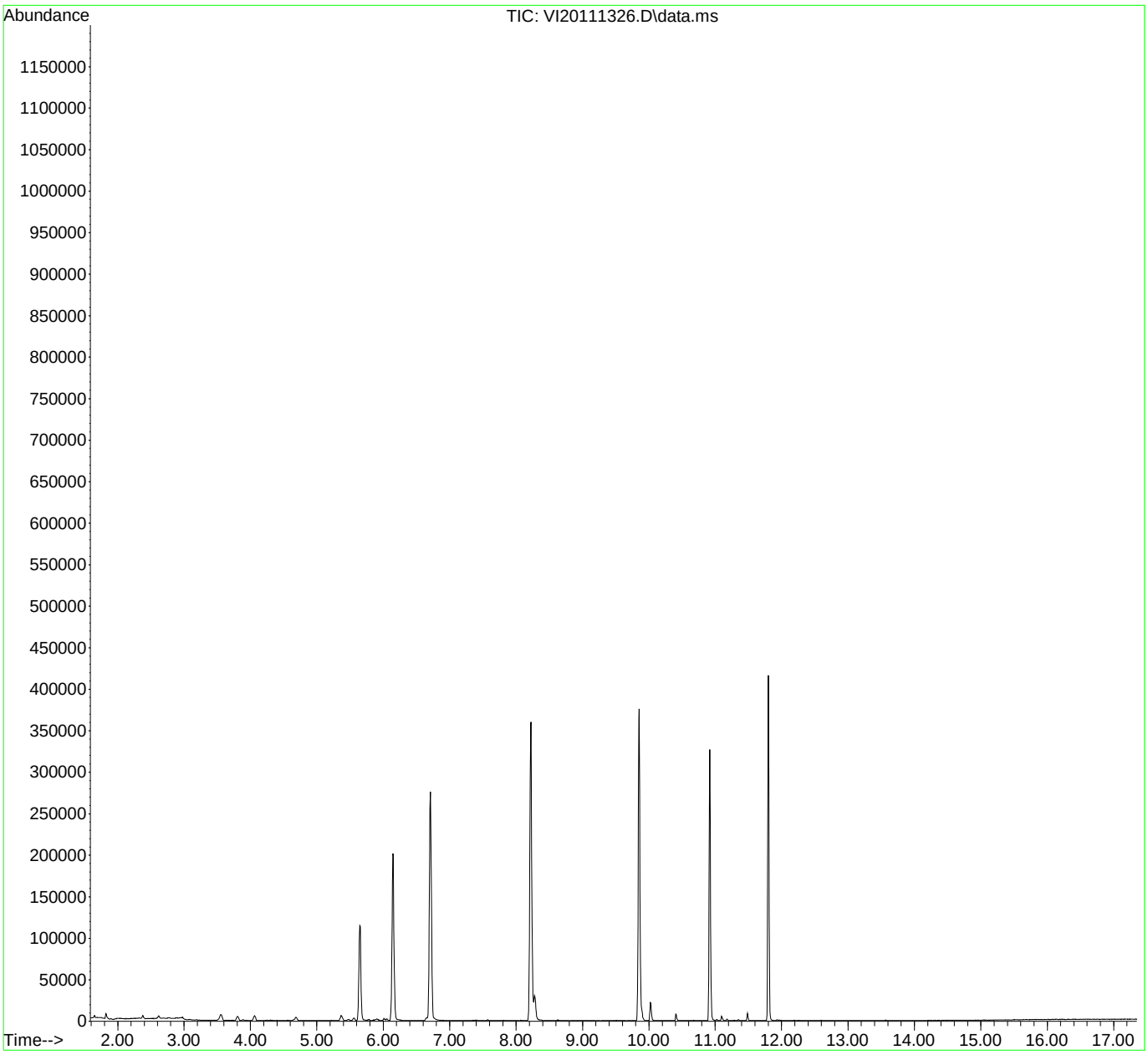
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111326.D
Acq On : 14 Nov 2020 6:15 am
Operator : TNL
Sample : 0K13048-CALC
Misc : 1X 5mL 50 PPB GX
ALS Vial : 26 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 17:20:17 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:20:04 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111327.D
Acq On : 14 Nov 2020 6:42 am
Operator : TNL
Sample : 0K13048-CALD 11/15/20 TNL
Misc : 1X 5mL 100 PPB GX
ALS Vial : 27 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 17:21:07 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:20:04 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.150	168	167859	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.710	114	266617	50.01	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.920	174	83882	48.70	ug/L	0.00
9) Toluene-d8 (NR)	8.225	98	296620	0.00	ug/L	0.00
11) Chlorobenzene-d5 (NR)	9.855	117	219889	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.802	150	149498	0.00	ug/L	0.00
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.890	TIC	315665m	91.03	ug/L	
5) TPHg (C5-C9)	9.890	TIC	255481m	24.67	ug/L	
6) TPHg (C6-C10)	9.890	TIC	173984m	16.66	ug/L	
7) CA-LUFT (C5-C12)	9.890	TIC	781522m	89.79	ug/L	

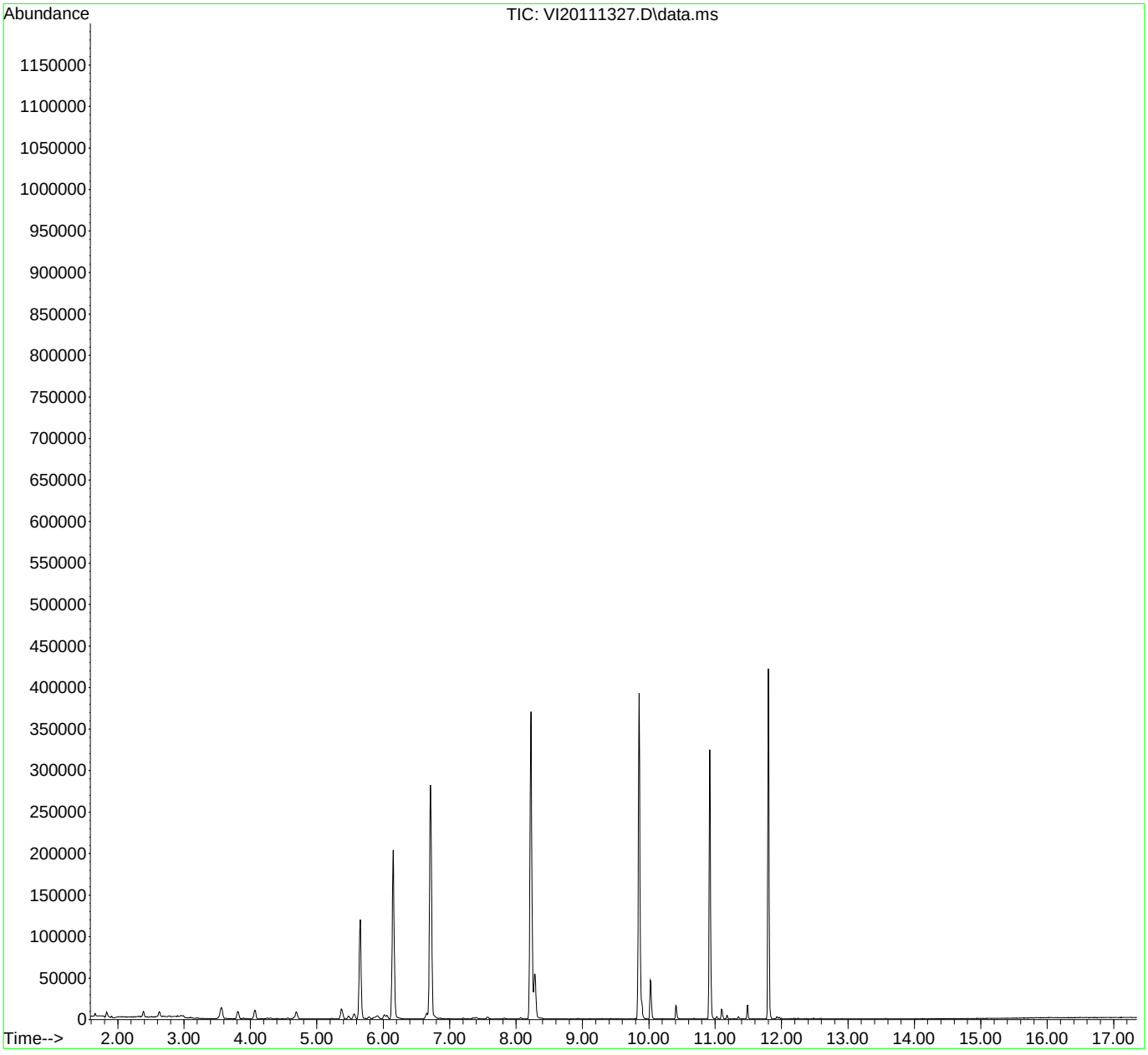
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111327.D
Acq On : 14 Nov 2020 6:42 am
Operator : TNL
Sample : 0K13048-CALD
Misc : 1X 5mL 100 PPB GX
ALS Vial : 27 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 17:21:07 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:20:04 2020
Response via : Initial Calibration

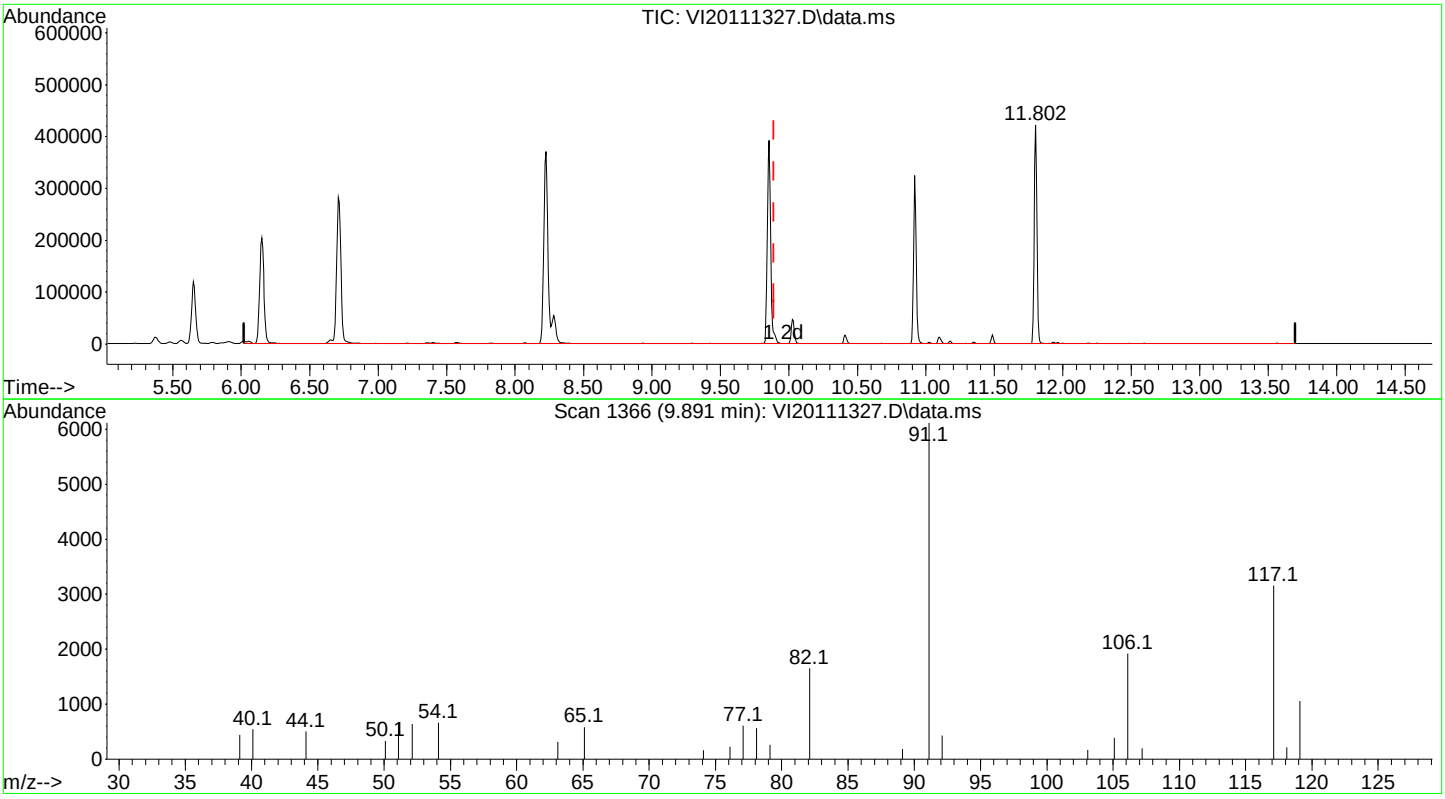


Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111327.D
Acq On : 14 Nov 2020 6:42 am
Operator : TNL
Sample : 0K13048-CALD
Misc : 1X 5mL 100 PPB GX
ALS Vial : 27 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 17:21:07 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:20:04 2020
Response via : Initial Calibration



TIC: VI20111327.D\data.ms

(4) NWTPH-Gx (TPH) (H)

9.890min (0.000) 91.03 ug/L m

response 315665

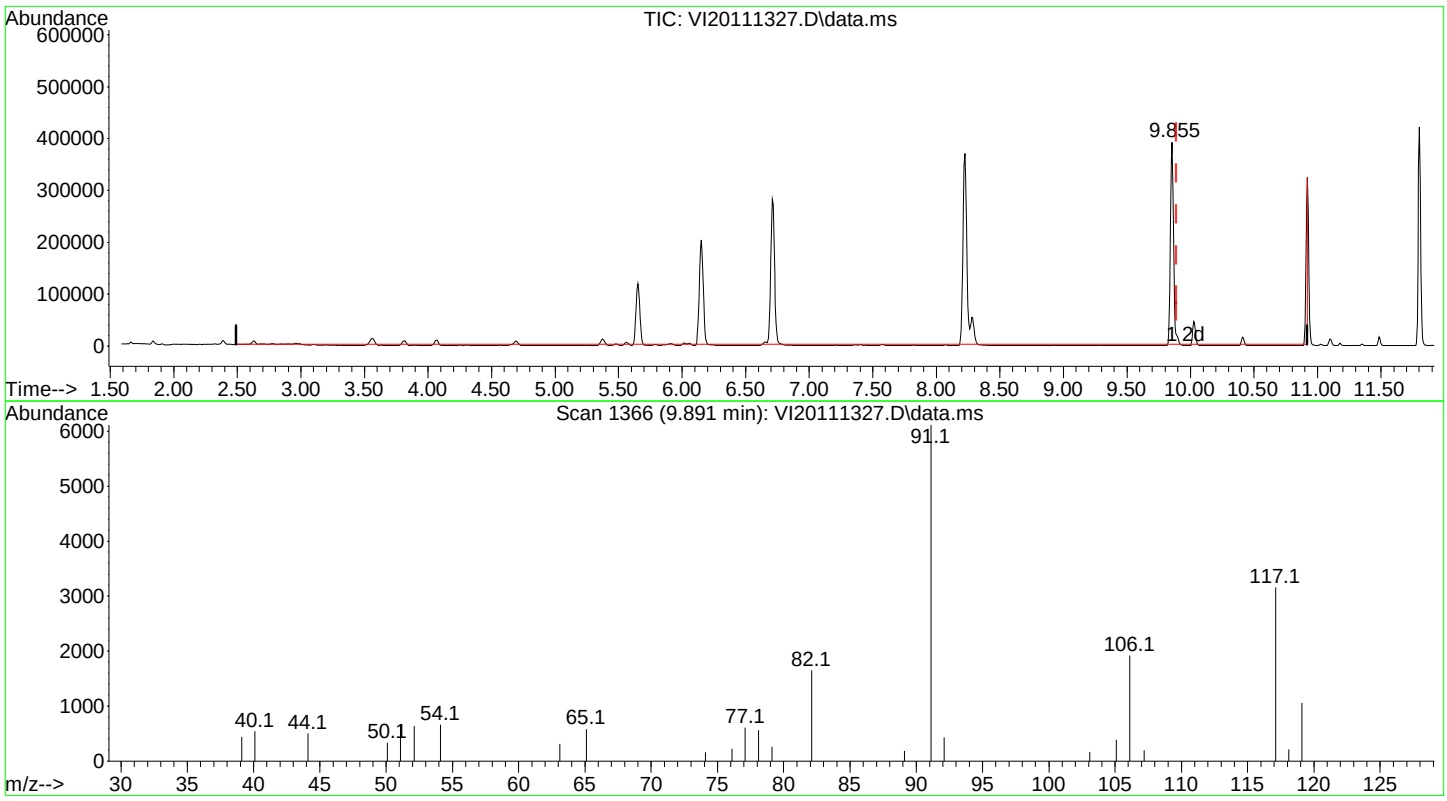
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111327.D
Acq On : 14 Nov 2020 6:42 am
Operator : TNL
Sample : 0K13048-CALD
Misc : 1X 5mL 100 PPB GX
ALS Vial : 27 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 17:21:07 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:20:04 2020
Response via : Initial Calibration



TIC: VI20111327.D\data.ms

(5) TPHg (C5-C9) (H)

9.890min (0.000) 24.67 ug/L m

response 255481

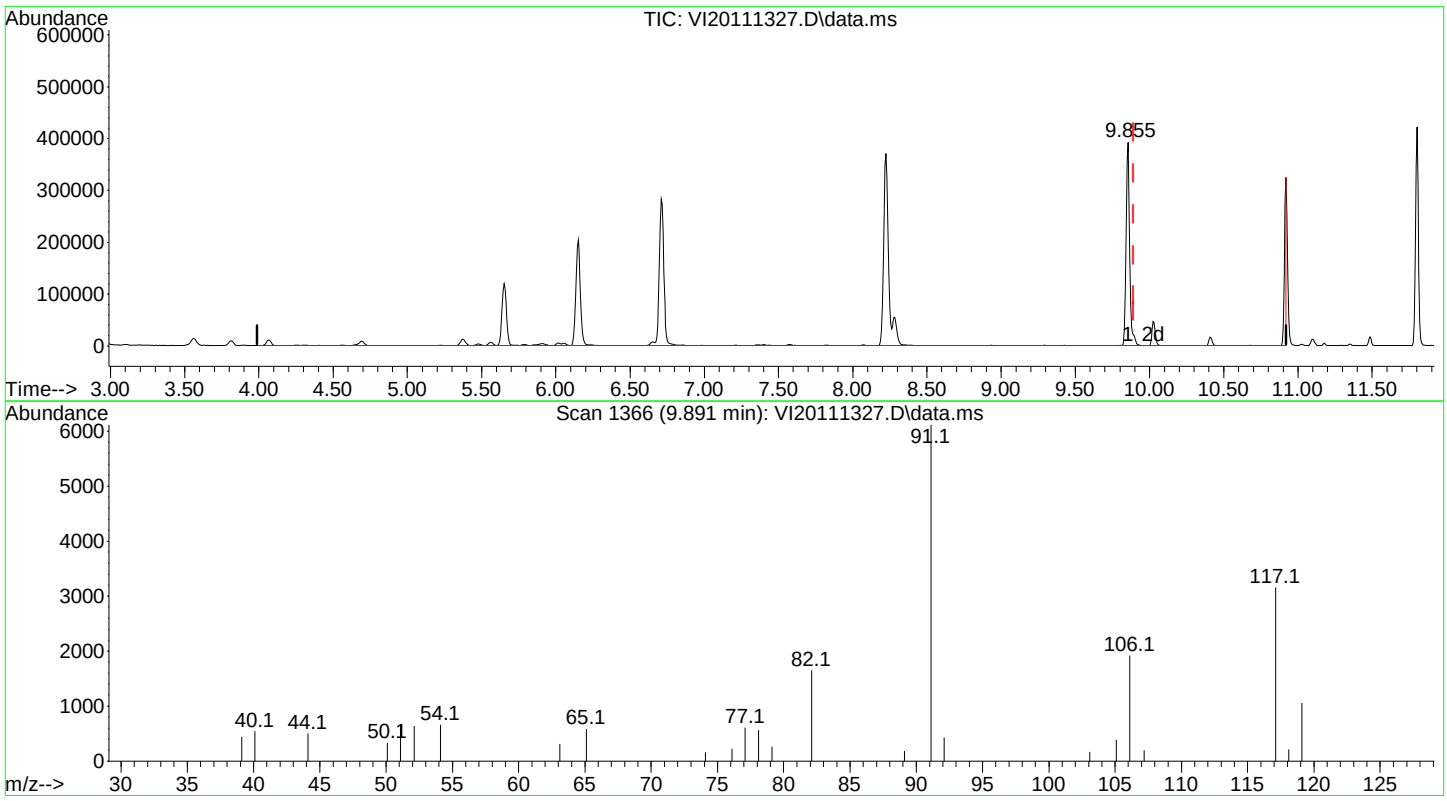
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111327.D
Acq On : 14 Nov 2020 6:42 am
Operator : TNL
Sample : 0K13048-CALD
Misc : 1X 5mL 100 PPB GX
ALS Vial : 27 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 17:21:07 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:20:04 2020
Response via : Initial Calibration



TIC: VI20111327.D\data.ms

(6) TPHg (C6-C10) (H)

9.890min (0.000) 16.66 ug/L m

response 173984

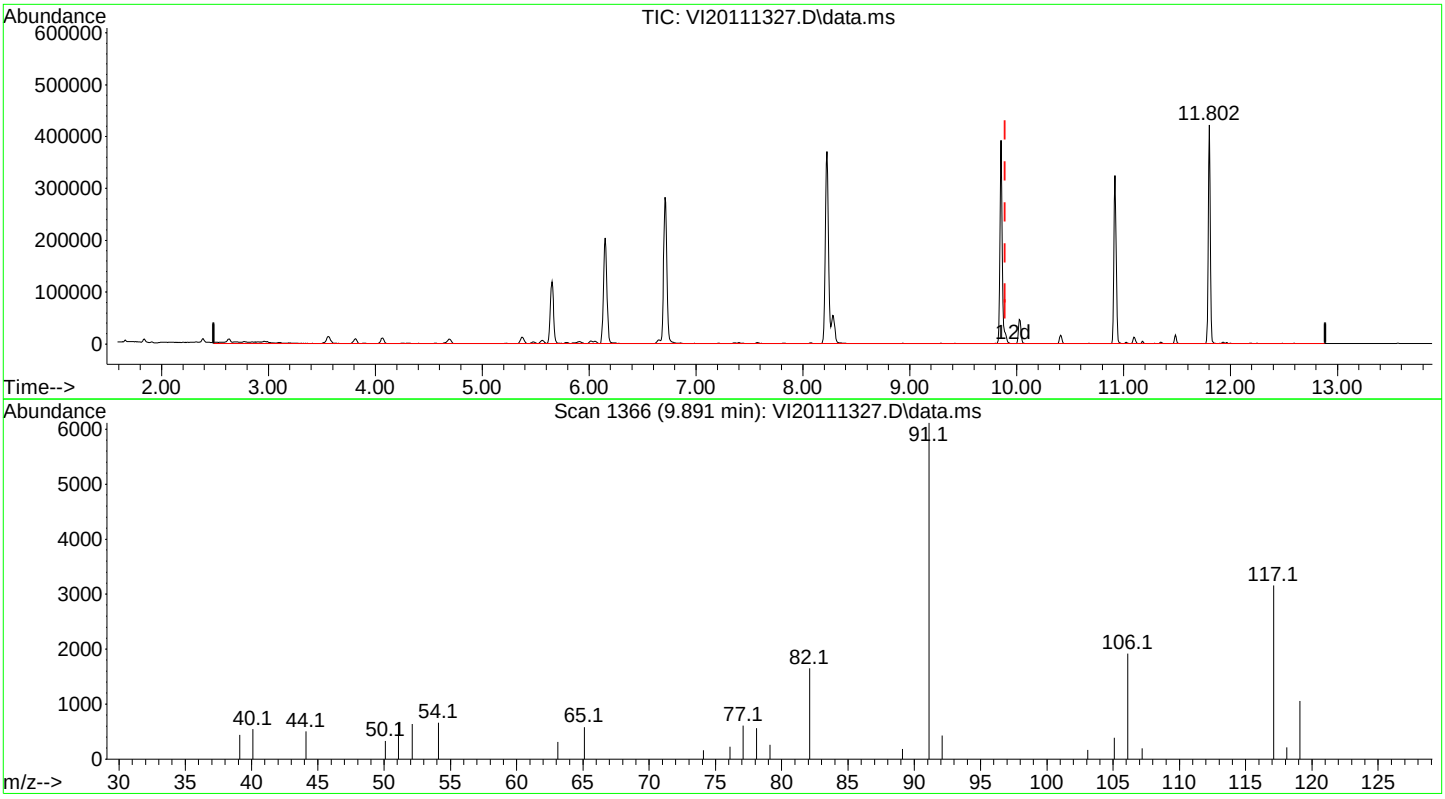
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111327.D
Acq On : 14 Nov 2020 6:42 am
Operator : TNL
Sample : 0K13048-CALD
Misc : 1X 5mL 100 PPB GX
ALS Vial : 27 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 17:21:07 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:20:04 2020
Response via : Initial Calibration



TIC: VI20111327.D\data.ms

(7) CA-LUFT (C5-C12) (H)

9.890min (0.000) 89.79 ug/L m

response 781522

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111327.D
Acq On : 14 Nov 2020 6:42 am
Operator : TNL
Sample : 0K13048-CALD
Misc : 1X 5mL 100 PPB GX
ALS Vial : 27 Sample Multiplier: 1 11/15/20 TNL
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 17:21:07 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:20:04 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.150	168	167859	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.710	114	266617	50.01	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.920	174	83882	48.70	ug/L	0.00
9) Toluene-d8 (NR)	8.225	98	296620	0.00	ug/L	0.00
11) Chlorobenzene-d5 (NR)	9.855	117	219889	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.802	150	149498	0.00	ug/L	0.00
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.890	TIC	315665m	91.03	ug/L	
5) TPHg (C5-C9)	9.890	TIC	255481m	24.67	ug/L	
6) TPHg (C6-C10)	9.890	TIC	173984m	16.66	ug/L	
7) CA-LUFT (C5-C12)	9.890	TIC	781522m	89.79	ug/L	

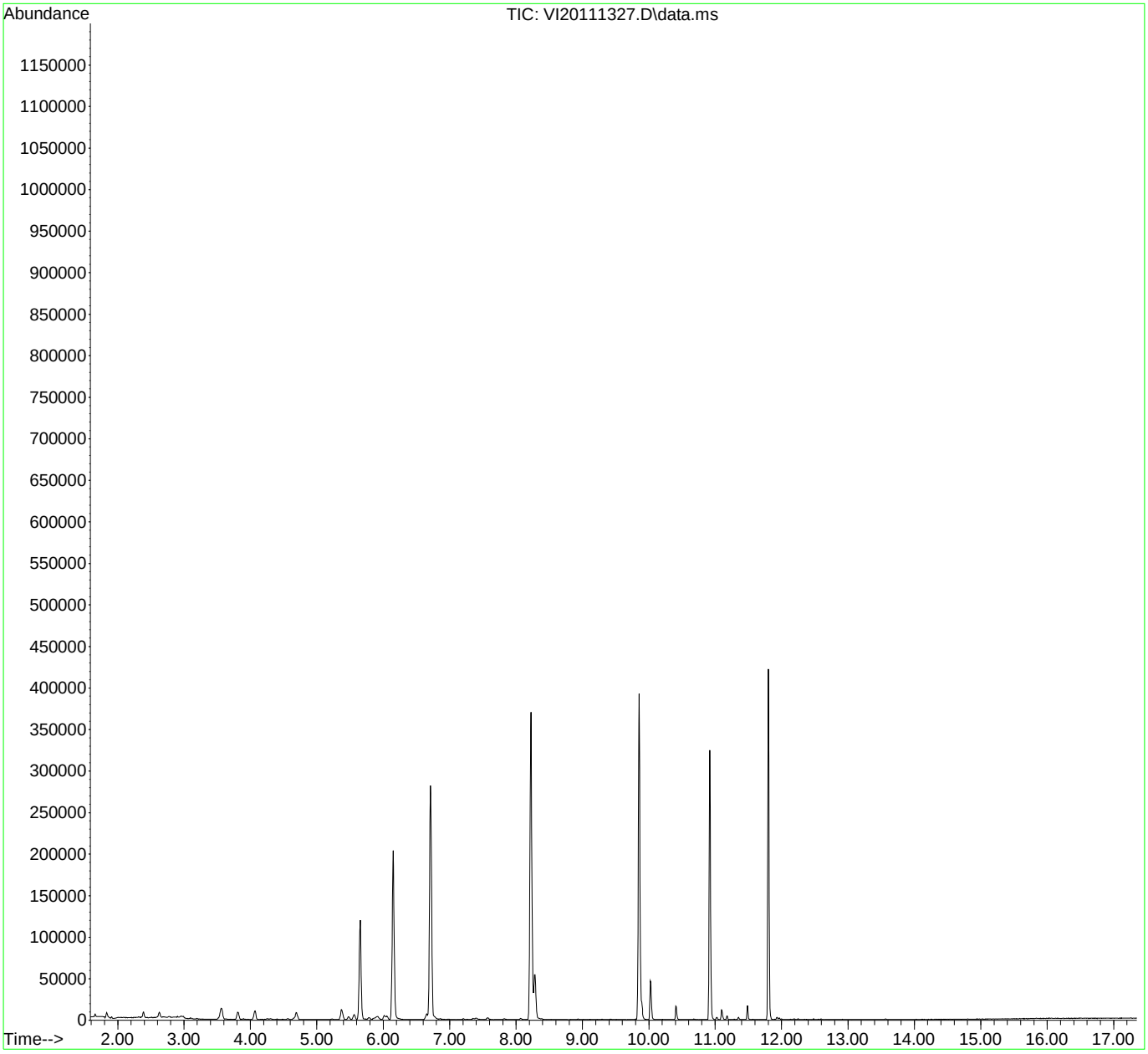
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111327.D
Acq On : 14 Nov 2020 6:42 am
Operator : TNL
Sample : 0K13048-CALD
Misc : 1X 5mL 100 PPB GX
ALS Vial : 27 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 17:21:07 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:20:04 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111328.D
Acq On : 14 Nov 2020 7:09 am
Operator : TNL
Sample : 0K13048-CALE
Misc : 1X 5mL 250 PPB GX
ALS Vial : 28 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

11/15/20 TNL

Quant Time: Nov 14 17:21:42 2020
Quant Method : C:\msdchem\1\methods\~~VI201114G.M~~
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:20:04 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.150	168	165904	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.710	114	263048	49.92	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.919	174	84066	49.38	ug/L	0.00
9) Toluene-d8 (NR)	8.224	98	295312	0.00	ug/L	0.00
11) Chlorobenzene-d5 (NR)	9.855	117	220398	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.802	150	152225	0.00	ug/L	0.00
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.890	TIC	935238m	206.63	ug/L	
5) TPHg (C5-C9)	9.890	TIC	1053719m	143.06	ug/L	
6) TPHg (C6-C10)	9.890	TIC	866533m	135.11	ug/L	
7) CA-LUFT (C5-C12)	9.890	TIC	1719677m	205.55	ug/L	

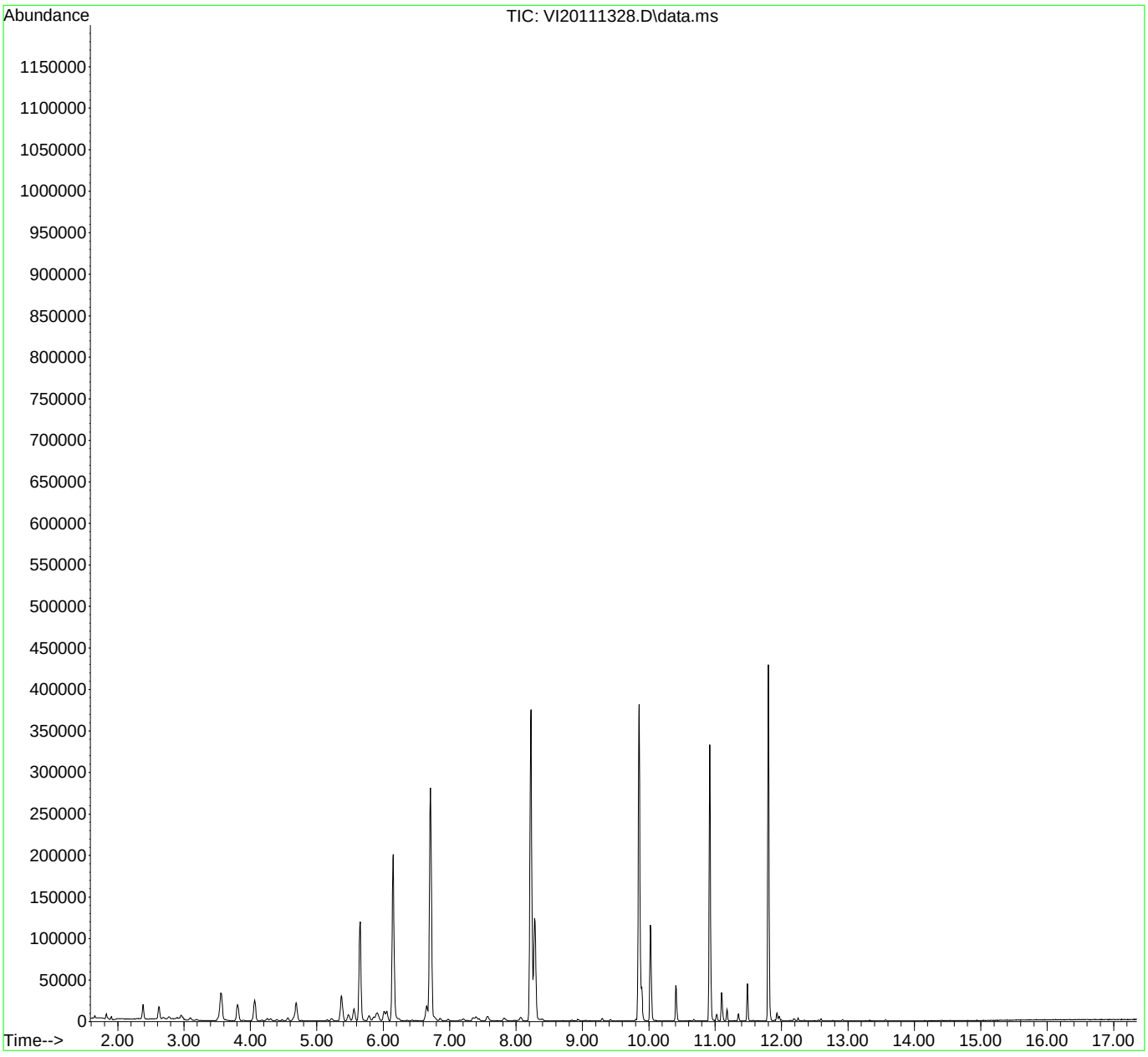
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111328.D
Acq On : 14 Nov 2020 7:09 am
Operator : TNL
Sample : 0K13048-CALE
Misc : 1X 5mL 250 PPB GX
ALS Vial : 28 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 17:21:42 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:20:04 2020
Response via : Initial Calibration

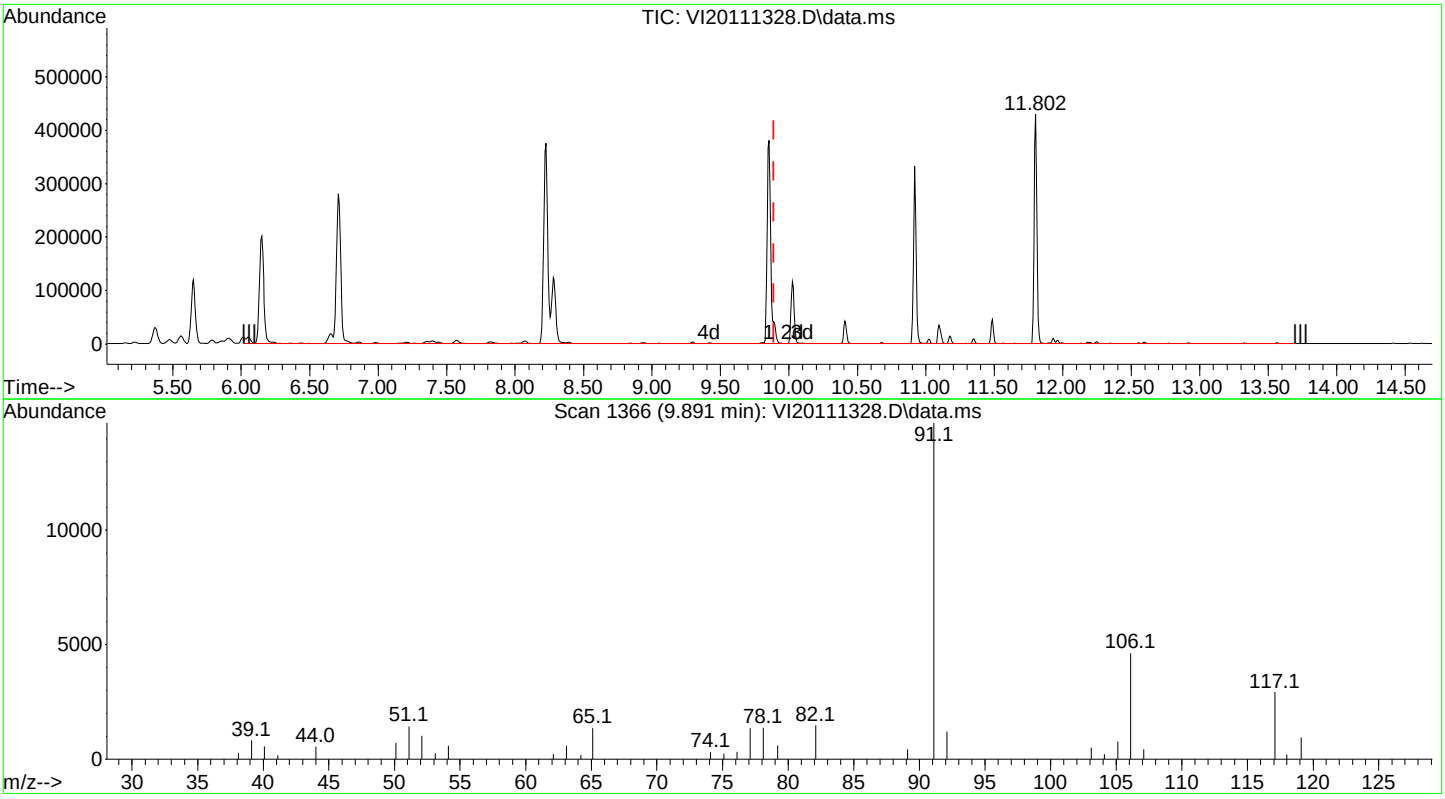


Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111328.D
Acq On : 14 Nov 2020 7:09 am
Operator : TNL
Sample : 0K13048-CALE
Misc : 1X 5mL 250 PPB GX
ALS Vial : 28 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 17:21:42 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:20:04 2020
Response via : Initial Calibration



TIC: VI20111328.D\data.ms

(4) NWTPH-Gx (TPH) (H)

9.890min (0.000) 206.63 ug/L m

response 935238

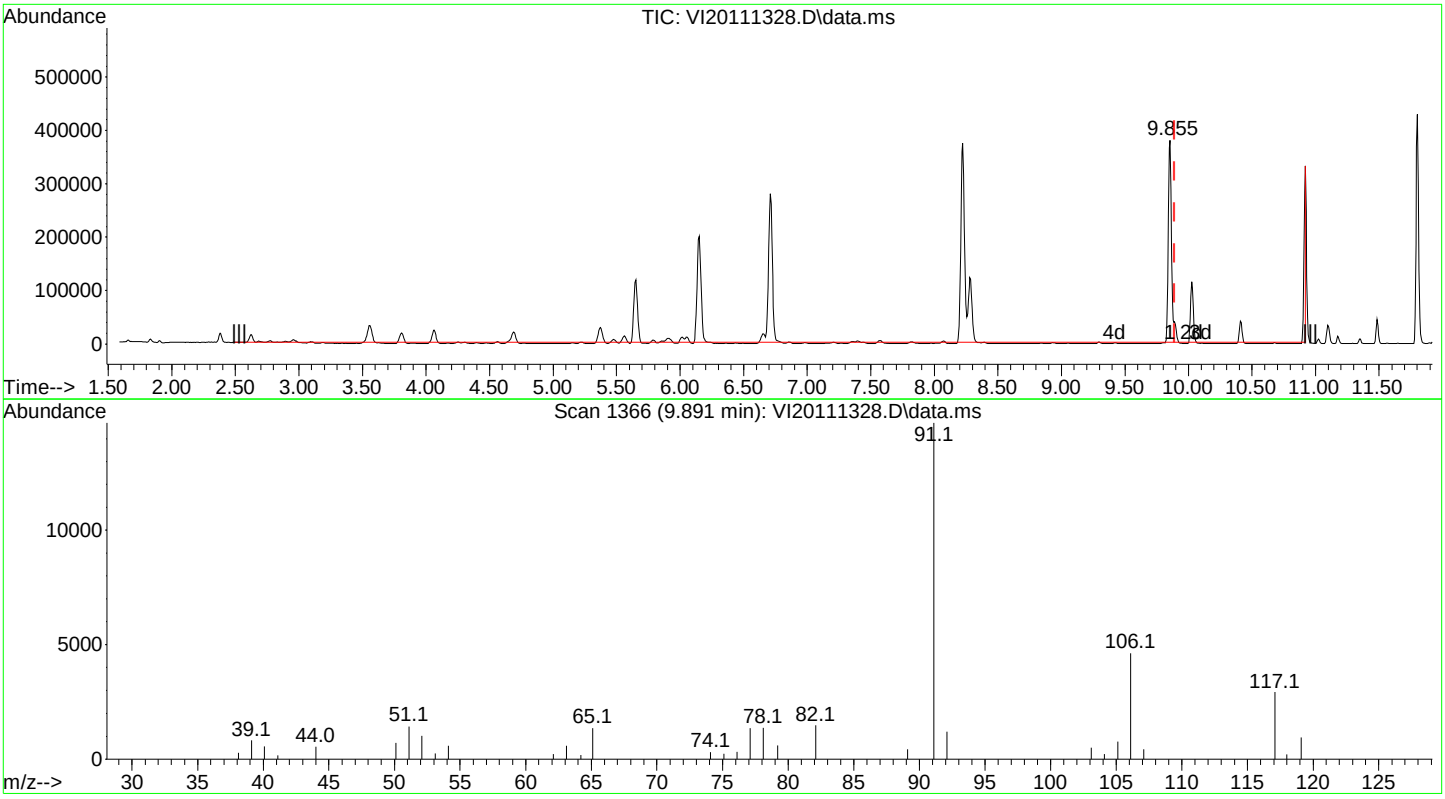
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111328.D
Acq On : 14 Nov 2020 7:09 am
Operator : TNL
Sample : 0K13048-CALE
Misc : 1X 5mL 250 PPB GX
ALS Vial : 28 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 17:21:42 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:20:04 2020
Response via : Initial Calibration



TIC: VI20111328.D\data.ms

(5) TPHg (C5-C9) (H)

9.890min (0.000) 143.06 ug/L m

response 1053719

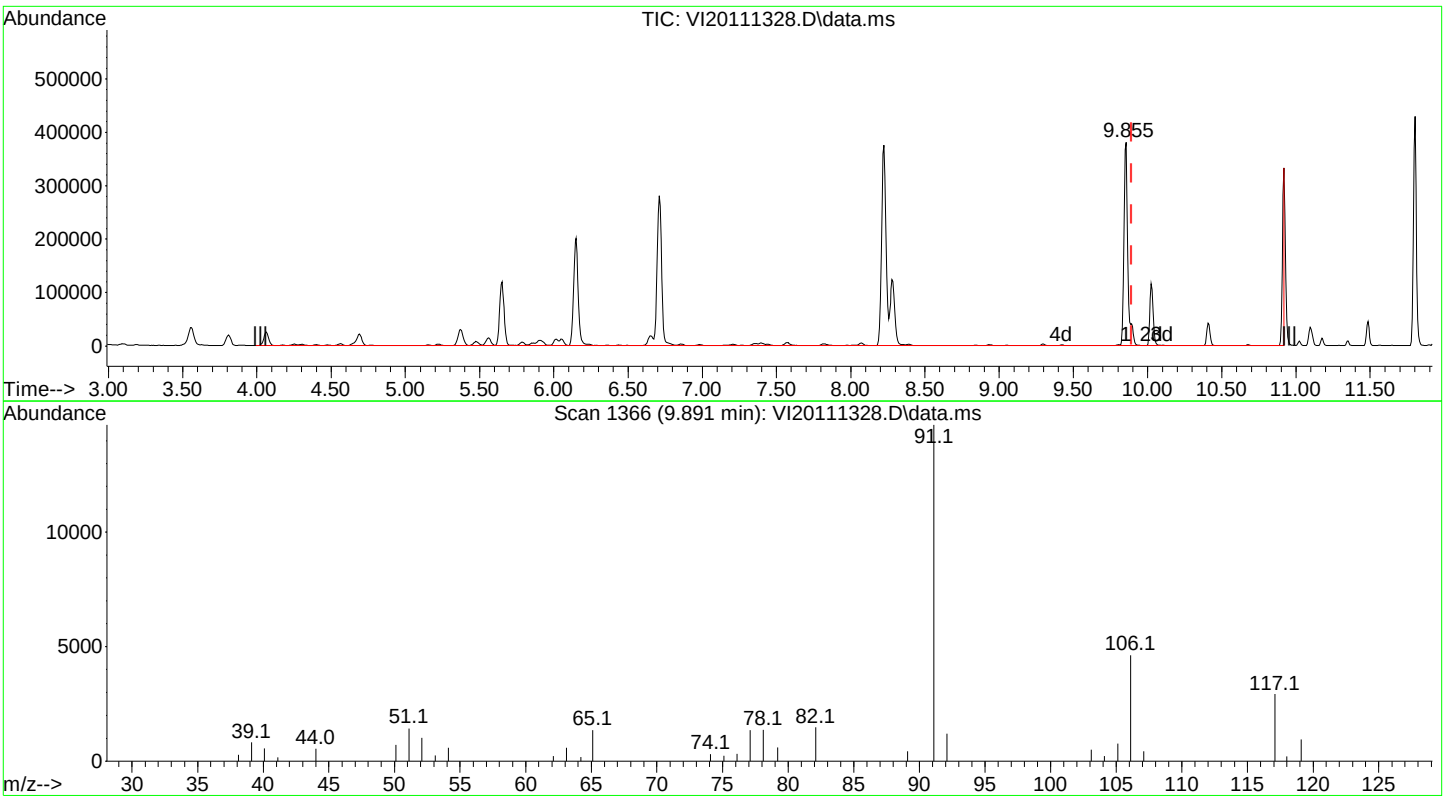
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111328.D
Acq On : 14 Nov 2020 7:09 am
Operator : TNL
Sample : 0K13048-CALE
Misc : 1X 5mL 250 PPB GX
ALS Vial : 28 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 17:21:42 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:20:04 2020
Response via : Initial Calibration



TIC: VI20111328.D\data.ms

(6) TPHg (C6-C10) (H)

9.890min (0.000) 135.11 ug/L m

response 866533

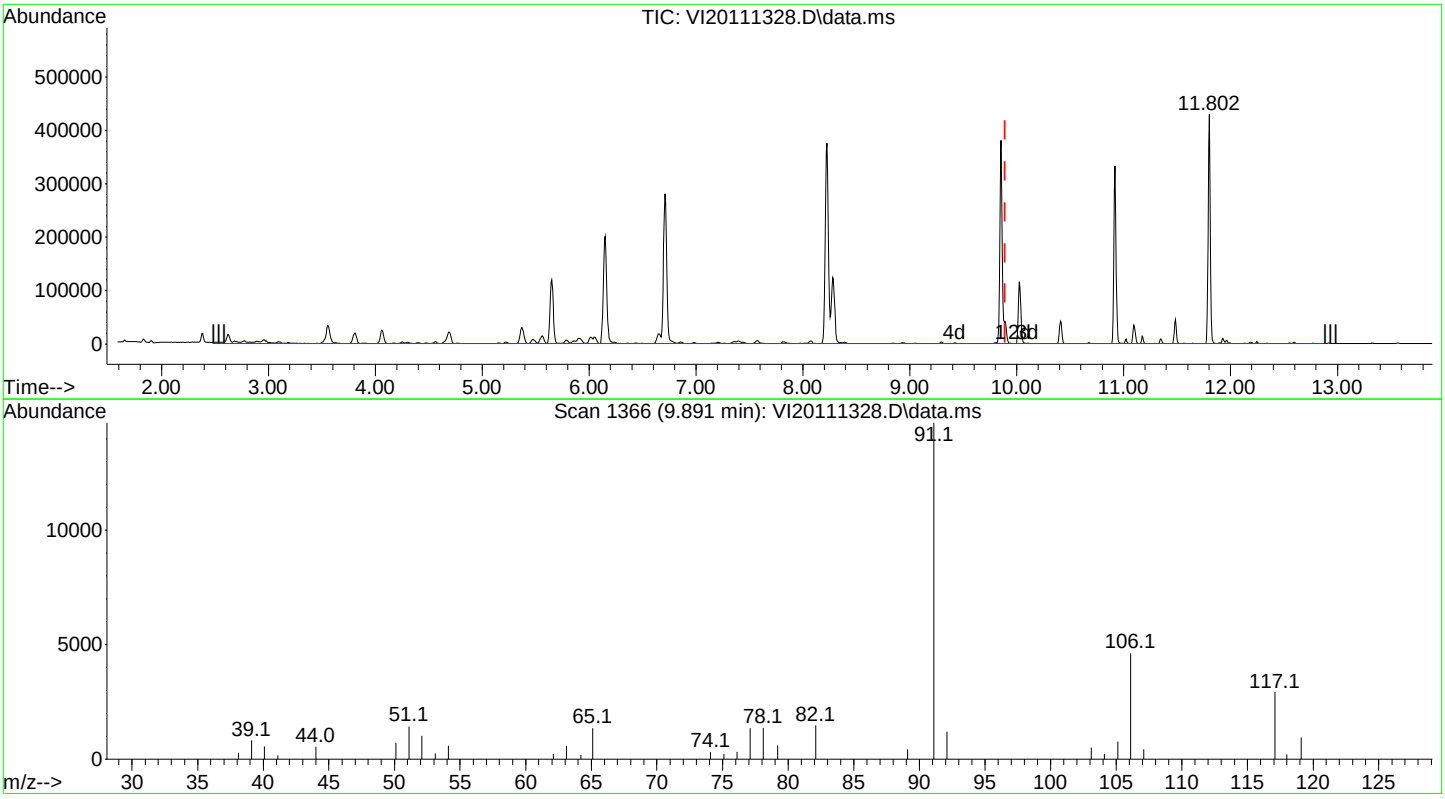
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111328.D
Acq On : 14 Nov 2020 7:09 am
Operator : TNL
Sample : 0K13048-CALE
Misc : 1X 5mL 250 PPB GX
ALS Vial : 28 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 17:21:42 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:20:04 2020
Response via : Initial Calibration



TIC: VI20111328.D\data.ms

(7) CA-LUFT (C5-C12) (H)
9.890min (0.000) 205.55 ug/L m
response 1719677

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111328.D
Acq On : 14 Nov 2020 7:09 am
Operator : TNL
Sample : 0K13048-CALE
Misc : 1X 5mL 250 PPB GX
ALS Vial : 28 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

11/15/20 TNL

Quant Time: Nov 14 17:21:42 2020
Quant Method : C:\msdchem\1\methods\~~VI201114G.M~~
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:20:04 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.150	168	165904	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.710	114	263048	49.92	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.919	174	84066	49.38	ug/L	0.00
9) Toluene-d8 (NR)	8.224	98	295312	0.00	ug/L	0.00
11) Chlorobenzene-d5 (NR)	9.855	117	220398	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.802	150	152225	0.00	ug/L	0.00
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.890	TIC	935238m	206.63	ug/L	
5) TPHg (C5-C9)	9.890	TIC	1053719m	143.06	ug/L	
6) TPHg (C6-C10)	9.890	TIC	866533m	135.11	ug/L	
7) CA-LUFT (C5-C12)	9.890	TIC	1719677m	205.55	ug/L	

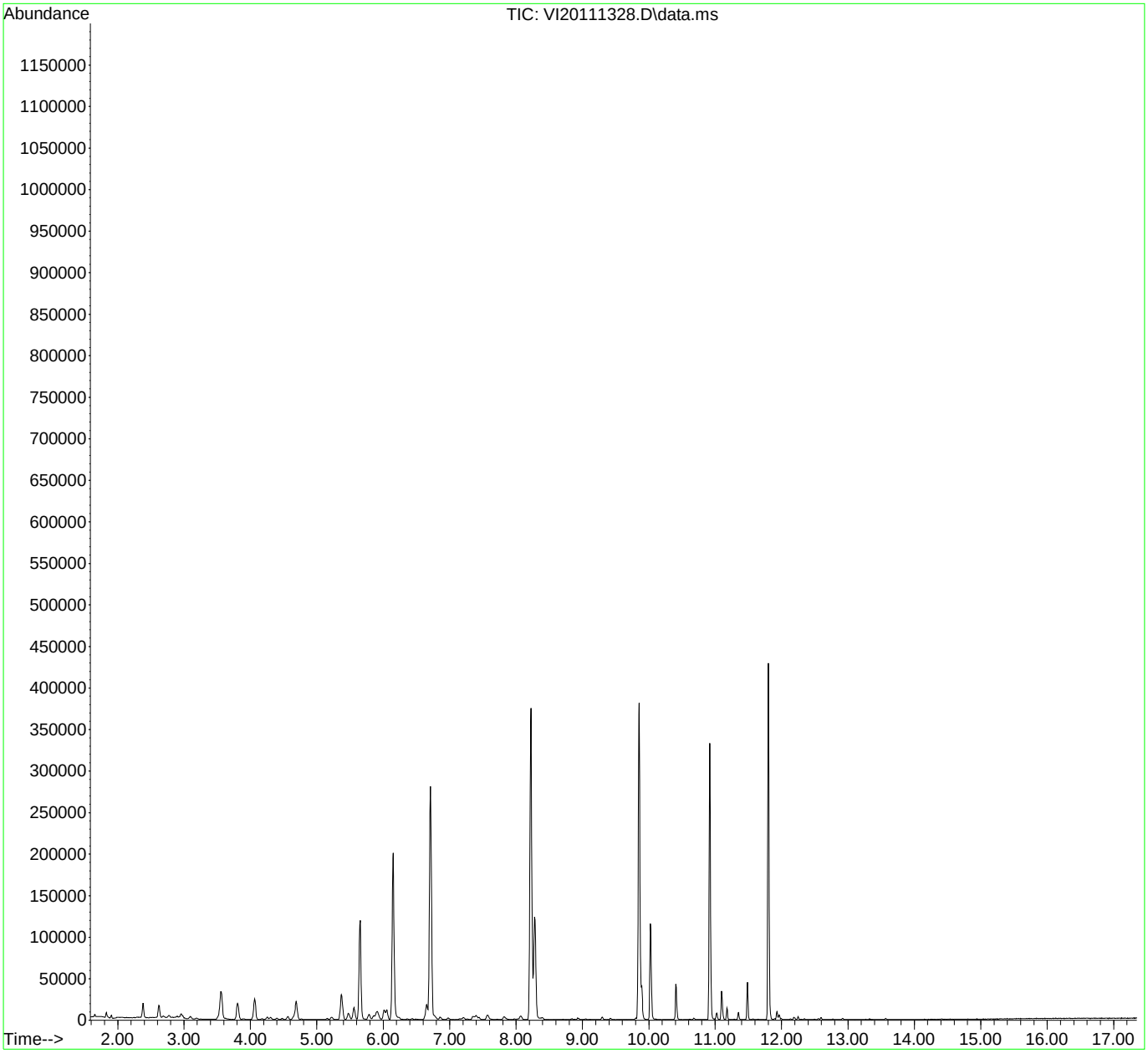
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111328.D
Acq On : 14 Nov 2020 7:09 am
Operator : TNL
Sample : 0K13048-CALE
Misc : 1X 5mL 250 PPB GX
ALS Vial : 28 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 17:21:42 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:20:04 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111329.D
Acq On : 14 Nov 2020 7:36 am
Operator : TNL
Sample : 0K13048-CALF
Misc : 1X 5mL 500 PPB GX
ALS Vial : 29 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

11/15/20 TNL

Quant Time: Nov 14 17:22:23 2020
Quant Method : C:\msdchem\1\methods\~~VI201114G.M~~
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:20:04 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.150	168	167182	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.710	114	266578	50.21	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.920	174	85605	49.90	ug/L	0.00
9) Toluene-d8 (NR)	8.225	98	300104	0.00	ug/L	0.00
11) Chlorobenzene-d5 (NR)	9.855	117	223665	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.802	150	151928	0.00	ug/L	0.00
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.890	TIC	2158738m	430.03	ug/L	
5) TPHg (C5-C9)	9.890	TIC	2581847m	366.18	ug/L	
6) TPHg (C6-C10)	9.890	TIC	2204160m	360.44	ug/L	
7) CA-LUFT (C5-C12)	9.890	TIC	3553565m	426.34	ug/L	

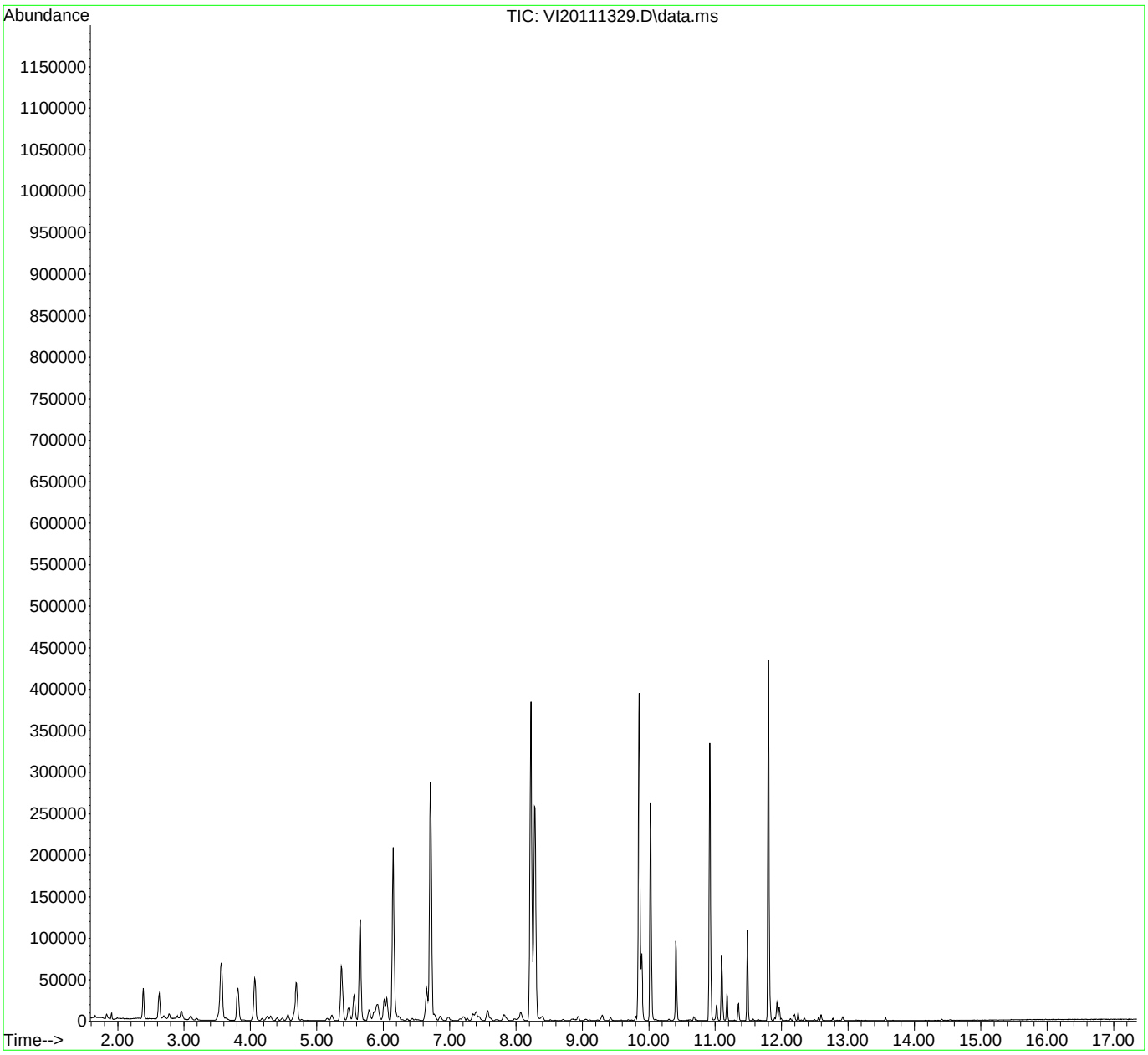
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111329.D
Acq On : 14 Nov 2020 7:36 am
Operator : TNL
Sample : 0K13048-CALF
Misc : 1X 5mL 500 PPB GX
ALS Vial : 29 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 17:22:23 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:20:04 2020
Response via : Initial Calibration

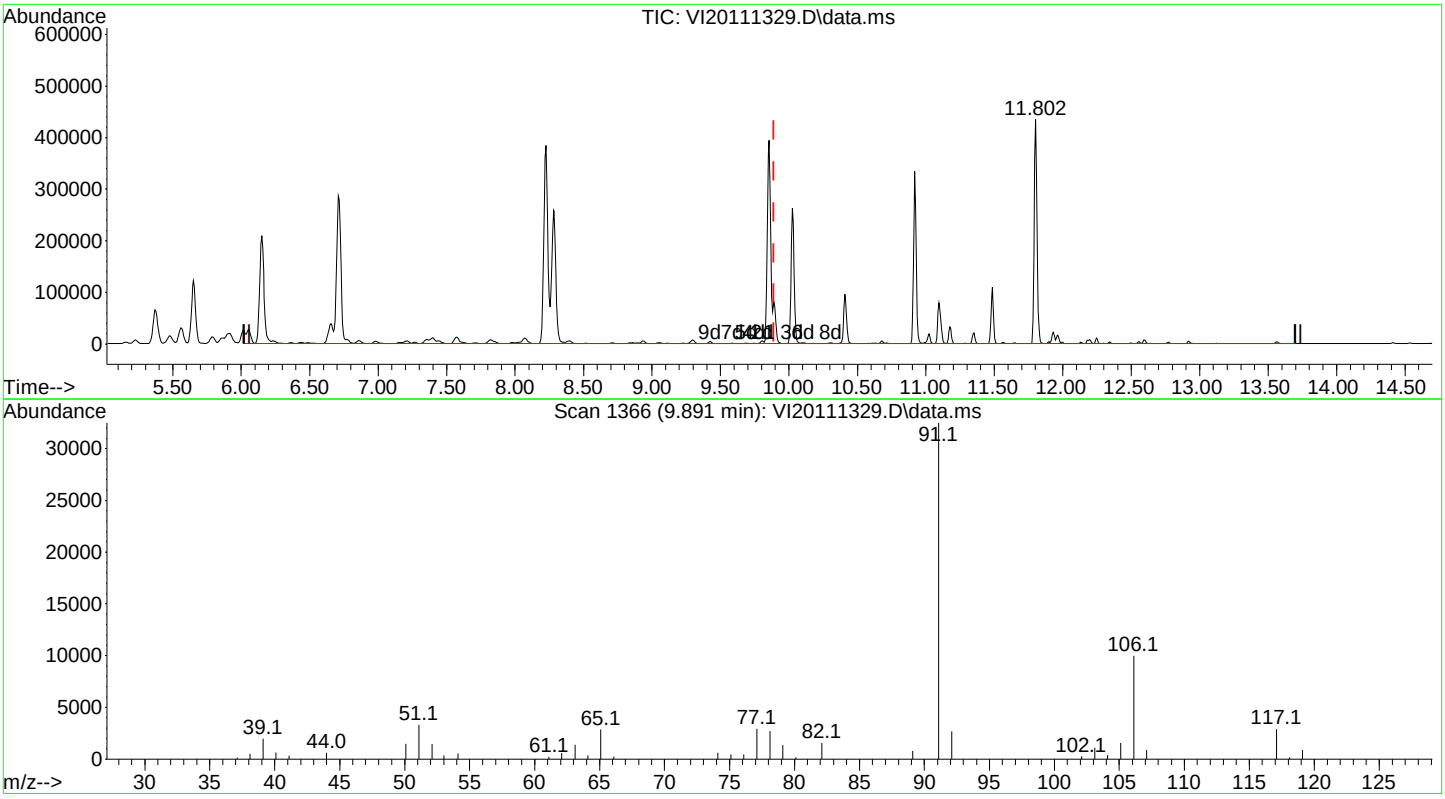


Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111329.D
Acq On : 14 Nov 2020 7:36 am
Operator : TNL
Sample : 0K13048-CALF
Misc : 1X 5mL 500 PPB GX
ALS Vial : 29 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 17:22:23 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:20:04 2020
Response via : Initial Calibration



TIC: VI20111329.D\data.ms

(4) NWTPH-Gx (TPH) (H)

9.890min (0.000) 430.03 ug/L m

response 2158738

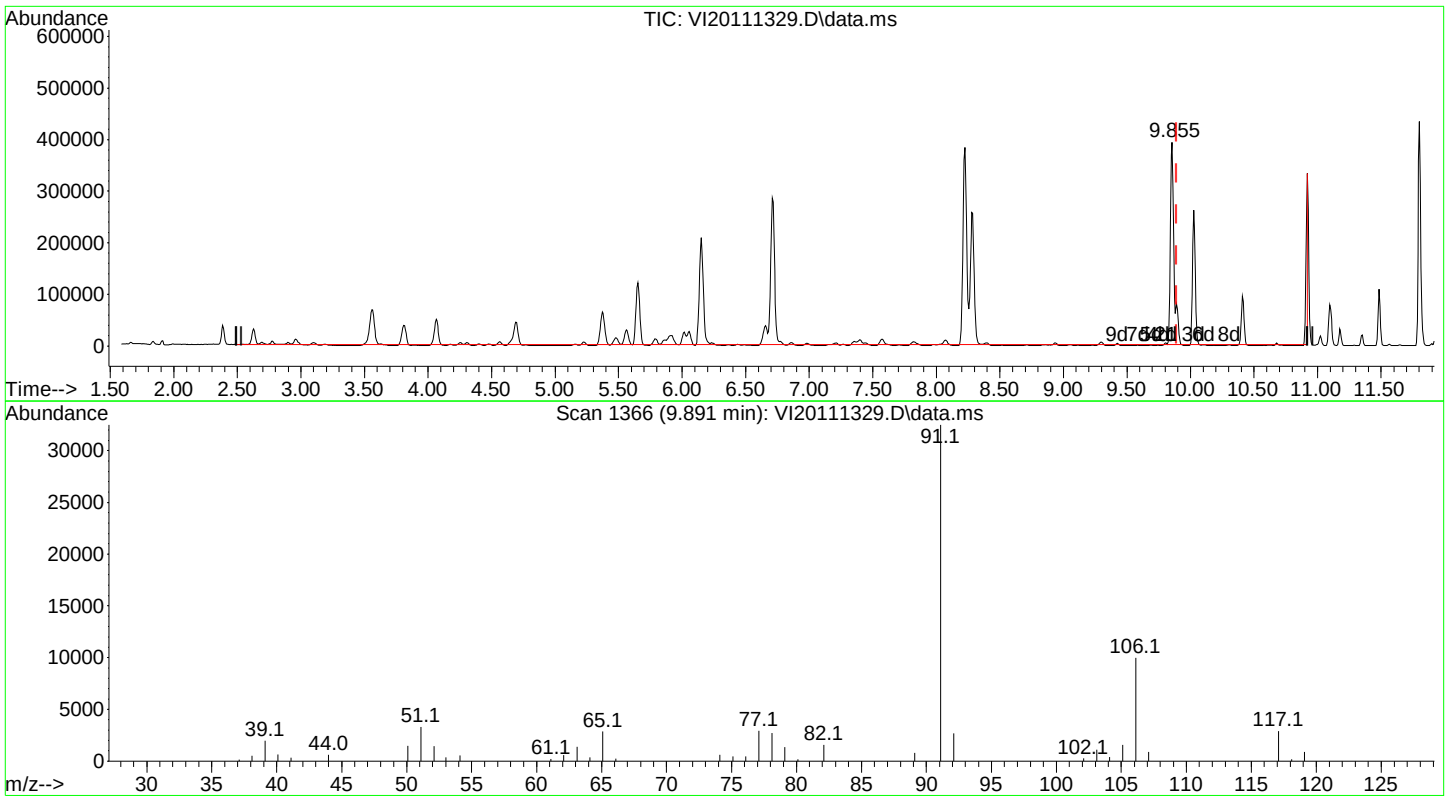
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.01#
0.00	0.00	0.01#
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111329.D
Acq On : 14 Nov 2020 7:36 am
Operator : TNL
Sample : 0K13048-CALF
Misc : 1X 5mL 500 PPB GX
ALS Vial : 29 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 17:22:23 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:20:04 2020
Response via : Initial Calibration



TIC: VI20111329.D\data.ms

(5) TPHg (C5-C9) (H)

9.890min (0.000) 366.18 ug/L m

response 2581847

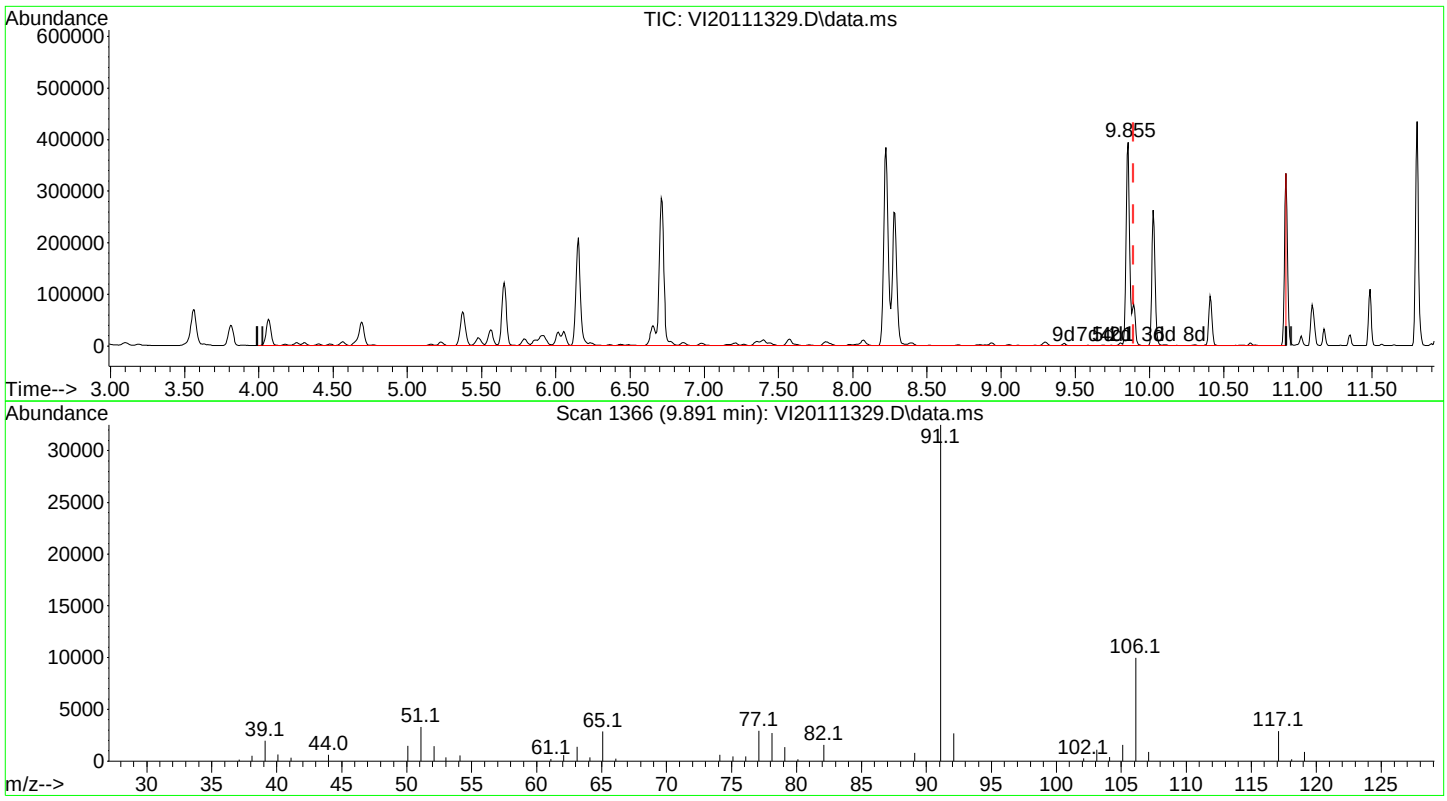
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.01#
0.00	0.00	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111329.D
Acq On : 14 Nov 2020 7:36 am
Operator : TNL
Sample : 0K13048-CALF
Misc : 1X 5mL 500 PPB GX
ALS Vial : 29 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 17:22:23 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:20:04 2020
Response via : Initial Calibration



TIC: VI20111329.D\data.ms

(6) TPHg (C6-C10) (H)
9.890min (0.000) 360.44 ug/L m
response 2204160

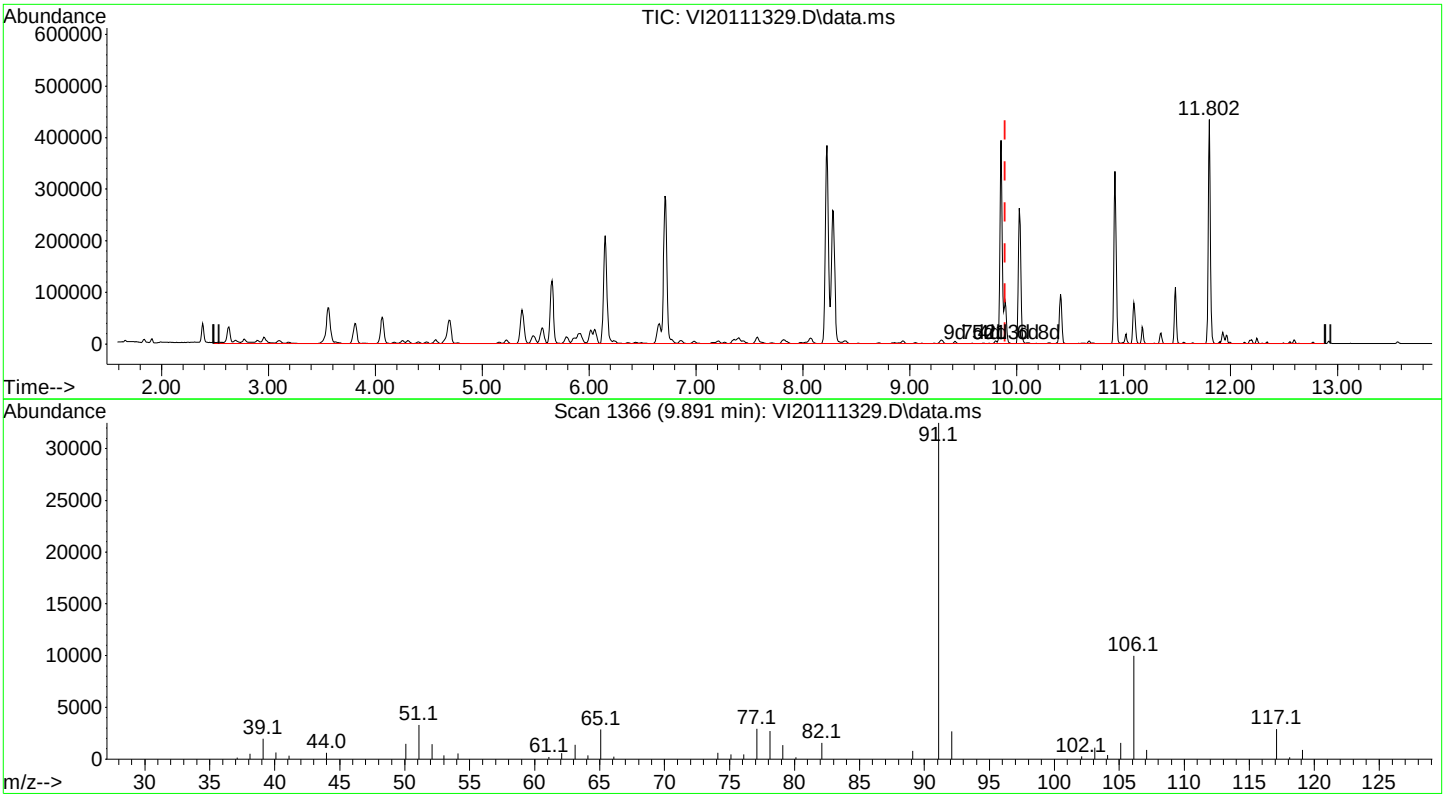
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.01#
0.00	0.00	0.01#
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111329.D
Acq On : 14 Nov 2020 7:36 am
Operator : TNL
Sample : 0K13048-CALF
Misc : 1X 5mL 500 PPB GX
ALS Vial : 29 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 17:22:23 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:20:04 2020
Response via : Initial Calibration



TIC: VI20111329.D\data.ms

(7) CA-LUFT (C5-C12) (H)
9.890min (0.000) 426.34 ug/L m
response 3553565

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00#
0.00	0.00	0.00#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111329.D
Acq On : 14 Nov 2020 7:36 am
Operator : TNL
Sample : 0K13048-CALF
Misc : 1X 5mL 500 PPB GX
ALS Vial : 29 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

11/15/20 TNL

Quant Time: Nov 14 17:22:23 2020
Quant Method : C:\msdchem\1\methods\~~VI201114G.M~~
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:20:04 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.150	168	167182	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.710	114	266578	50.21	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.920	174	85605	49.90	ug/L	0.00
9) Toluene-d8 (NR)	8.225	98	300104	0.00	ug/L	0.00
11) Chlorobenzene-d5 (NR)	9.855	117	223665	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.802	150	151928	0.00	ug/L	0.00
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.890	TIC	2158738m	430.03	ug/L	
5) TPHg (C5-C9)	9.890	TIC	2581847m	366.18	ug/L	
6) TPHg (C6-C10)	9.890	TIC	2204160m	360.44	ug/L	
7) CA-LUFT (C5-C12)	9.890	TIC	3553565m	426.34	ug/L	

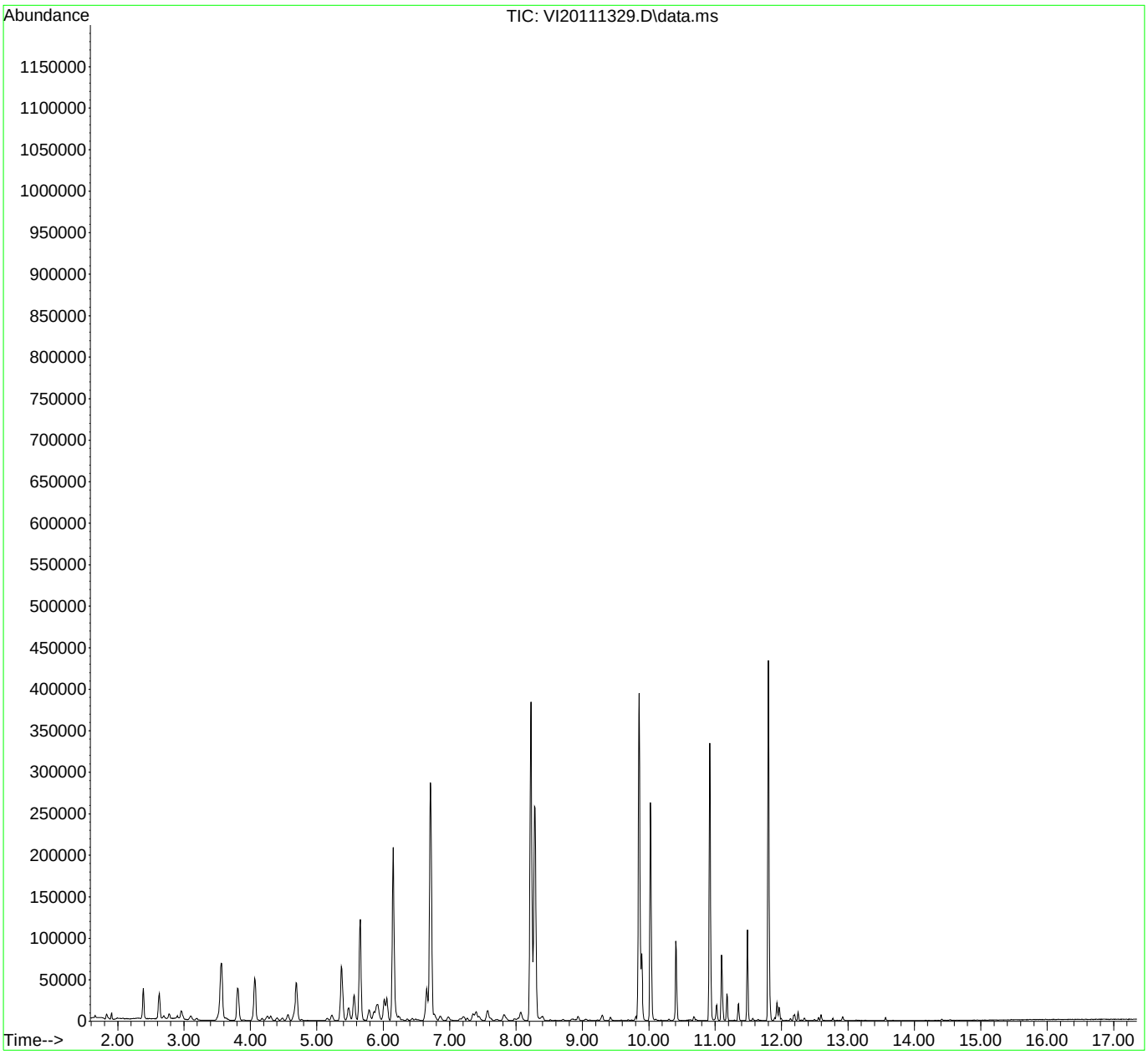
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111329.D
Acq On : 14 Nov 2020 7:36 am
Operator : TNL
Sample : 0K13048-CALF
Misc : 1X 5mL 500 PPB GX
ALS Vial : 29 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 17:22:23 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:20:04 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111330.D
Acq On : 14 Nov 2020 9:27 am
Operator : TNL
Sample : 0K13048-CALG
Misc : 1X 5mL 1000 PPB GX 11/15/20 TNL
ALS Vial : 30 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 17:22:56 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:20:04 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.150	168	163081	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.716	114	267084	51.57	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.919	174	89168	53.29	ug/L	0.00
9) Toluene-d8 (NR)	8.224	98	290625	0.00	ug/L	0.00
11) Chlorobenzene-d5 (NR)	9.855	117	220992	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.802	150	166007	0.00	ug/L	0.00
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.890	TIC	4760462m	927.67	ug/L	
5) TPHg (C5-C9)	9.890	TIC	5662120m	840.21	ug/L	
6) TPHg (C6-C10)	9.890	TIC	4898826m	837.96	ug/L	
7) CA-LUFT (C5-C12)	9.890	TIC	7366907m	911.22	ug/L	

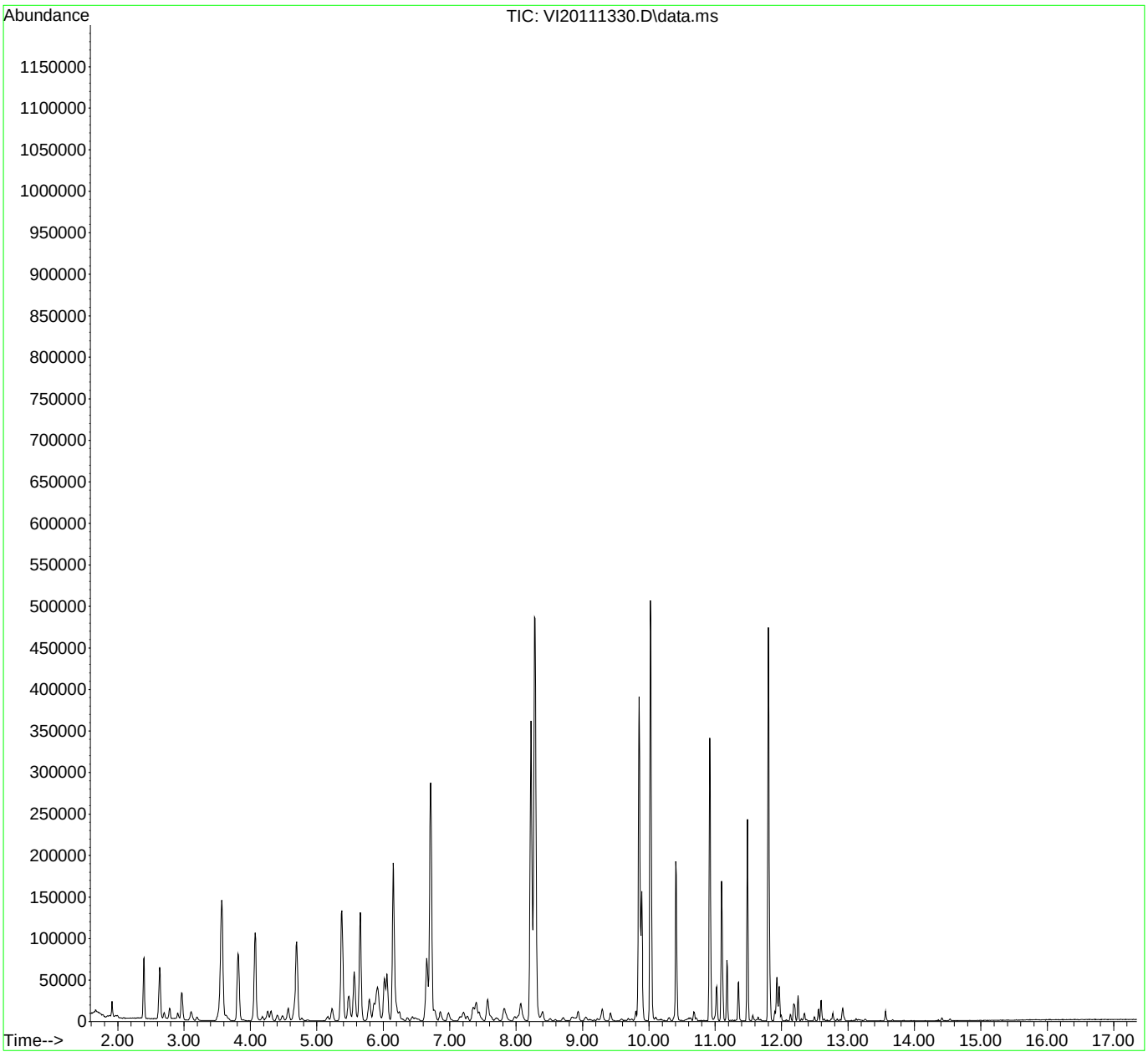
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111330.D
Acq On : 14 Nov 2020 9:27 am
Operator : TNL
Sample : 0K13048-CALG
Misc : 1X 5mL 1000 PPB GX
ALS Vial : 30 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 17:22:56 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:20:04 2020
Response via : Initial Calibration

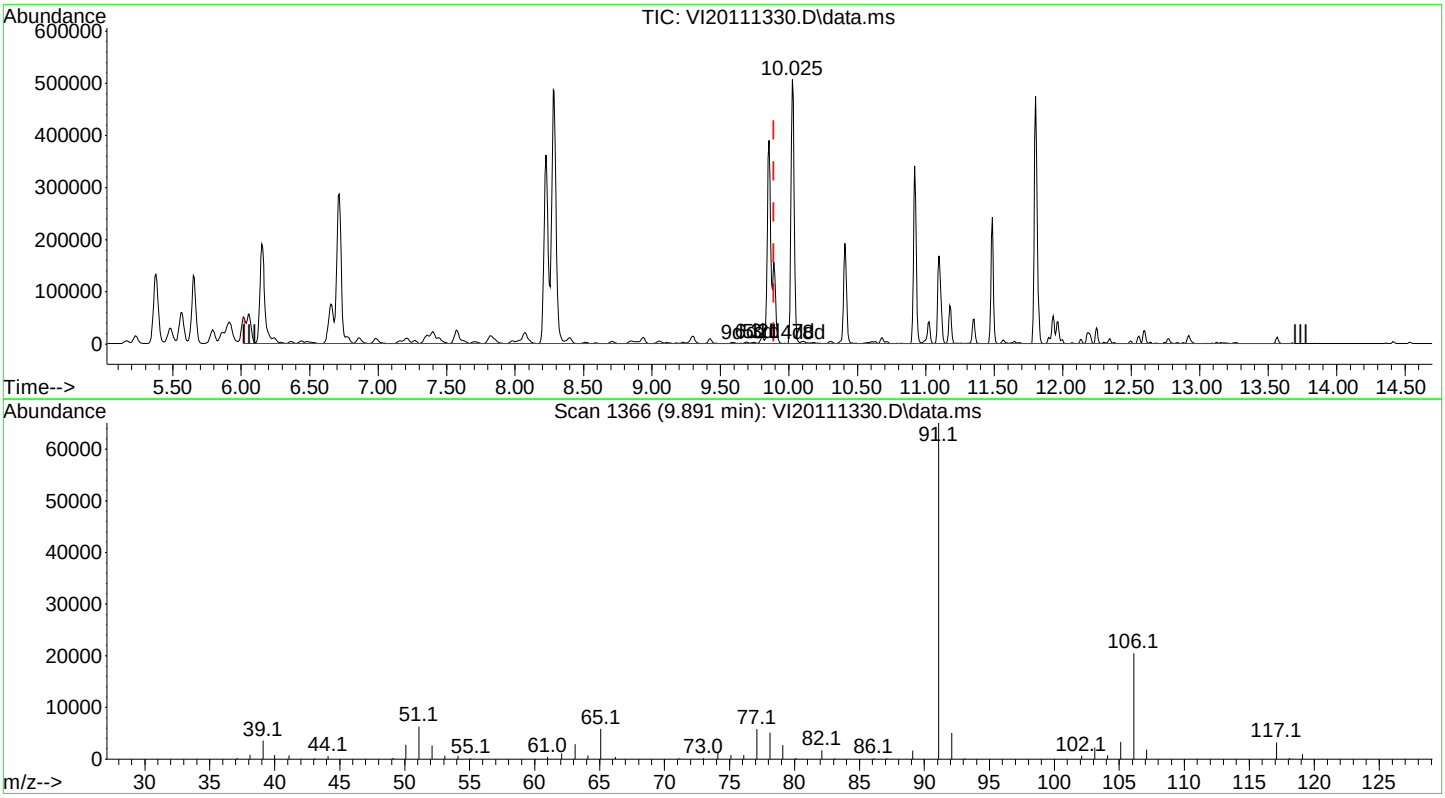


Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111330.D
Acq On : 14 Nov 2020 9:27 am
Operator : TNL
Sample : 0K13048-CALG
Misc : 1X 5mL 1000 PPB GX
ALS Vial : 30 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 17:22:56 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:20:04 2020
Response via : Initial Calibration



TIC: VI20111330.D\data.ms

(4) NWTPH-Gx (TPH) (H)

9.890min (0.000) 927.67 ug/L m

response 4760462

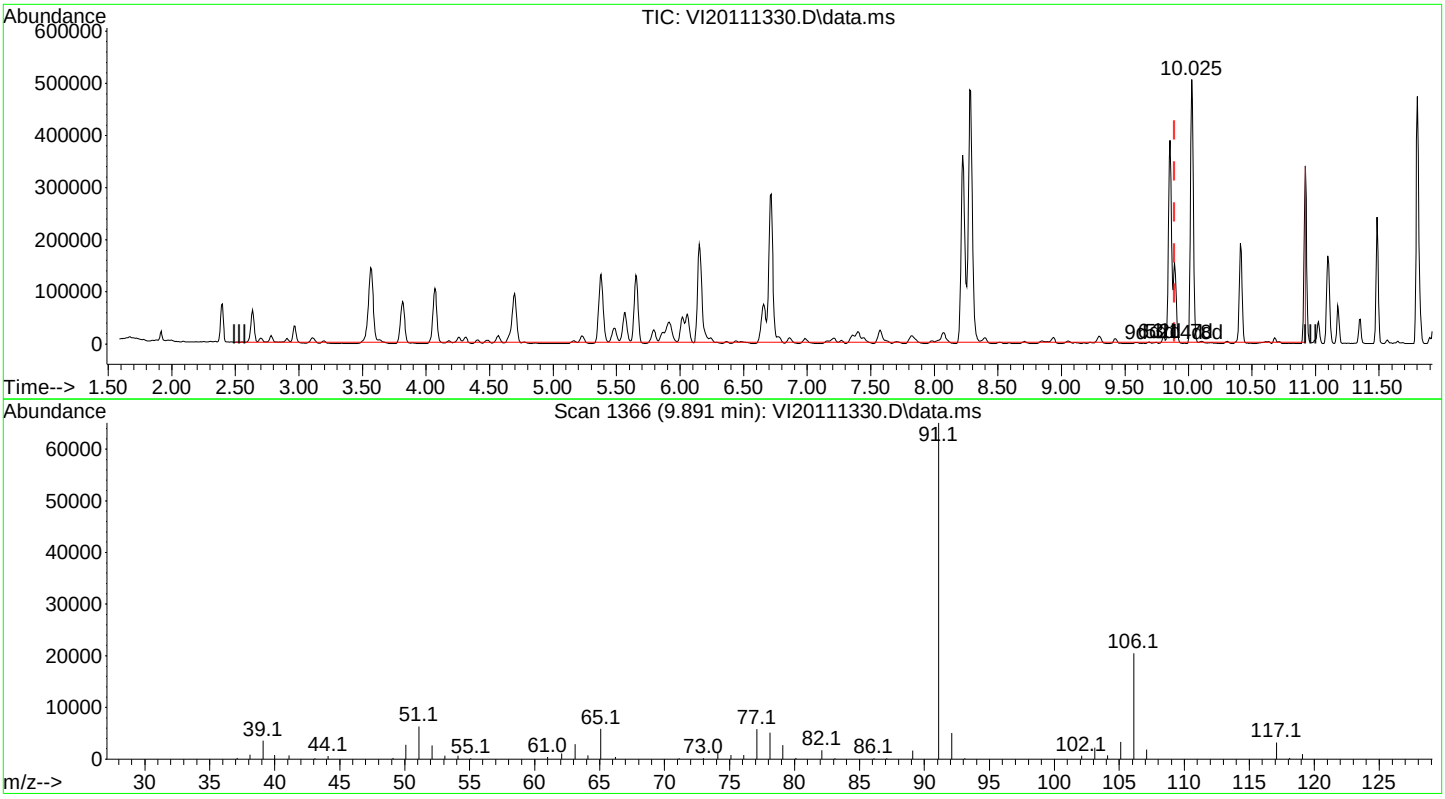
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.01#
0.00	0.00	0.01#
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111330.D
Acq On : 14 Nov 2020 9:27 am
Operator : TNL
Sample : 0K13048-CALG
Misc : 1X 5mL 1000 PPB GX
ALS Vial : 30 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 17:22:56 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:20:04 2020
Response via : Initial Calibration



TIC: VI20111330.D\data.ms

(5) TPHg (C5-C9) (H)

9.890min (0.000) 840.21 ug/L m

response 5662120

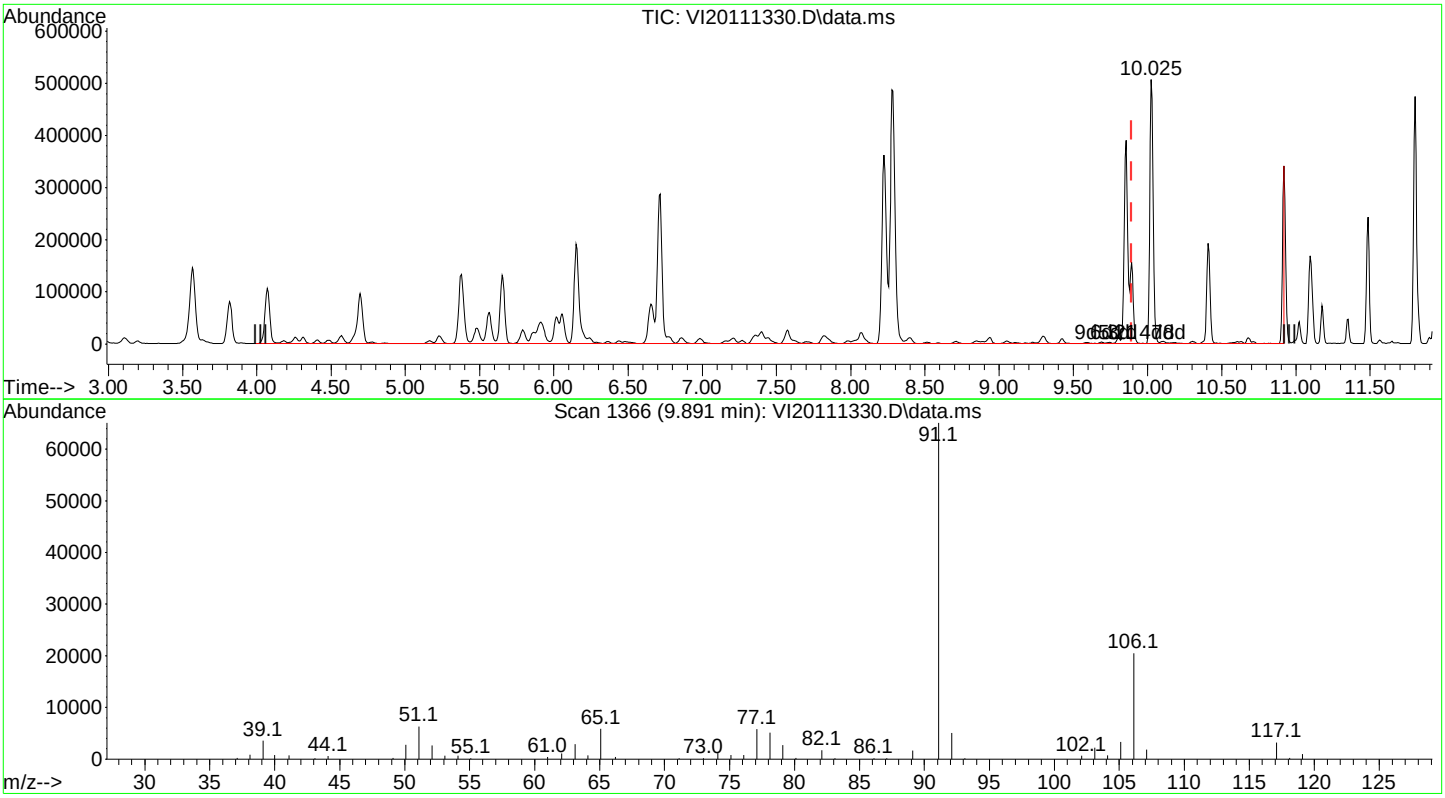
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.01#
0.00	0.00	0.01#
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111330.D
Acq On : 14 Nov 2020 9:27 am
Operator : TNL
Sample : 0K13048-CALG
Misc : 1X 5mL 1000 PPB GX
ALS Vial : 30 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 17:22:56 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:20:04 2020
Response via : Initial Calibration



TIC: VI20111330.D\data.ms

(6) TPHg (C6-C10) (H)

9.890min (0.000) 837.96 ug/L m

response 4898826

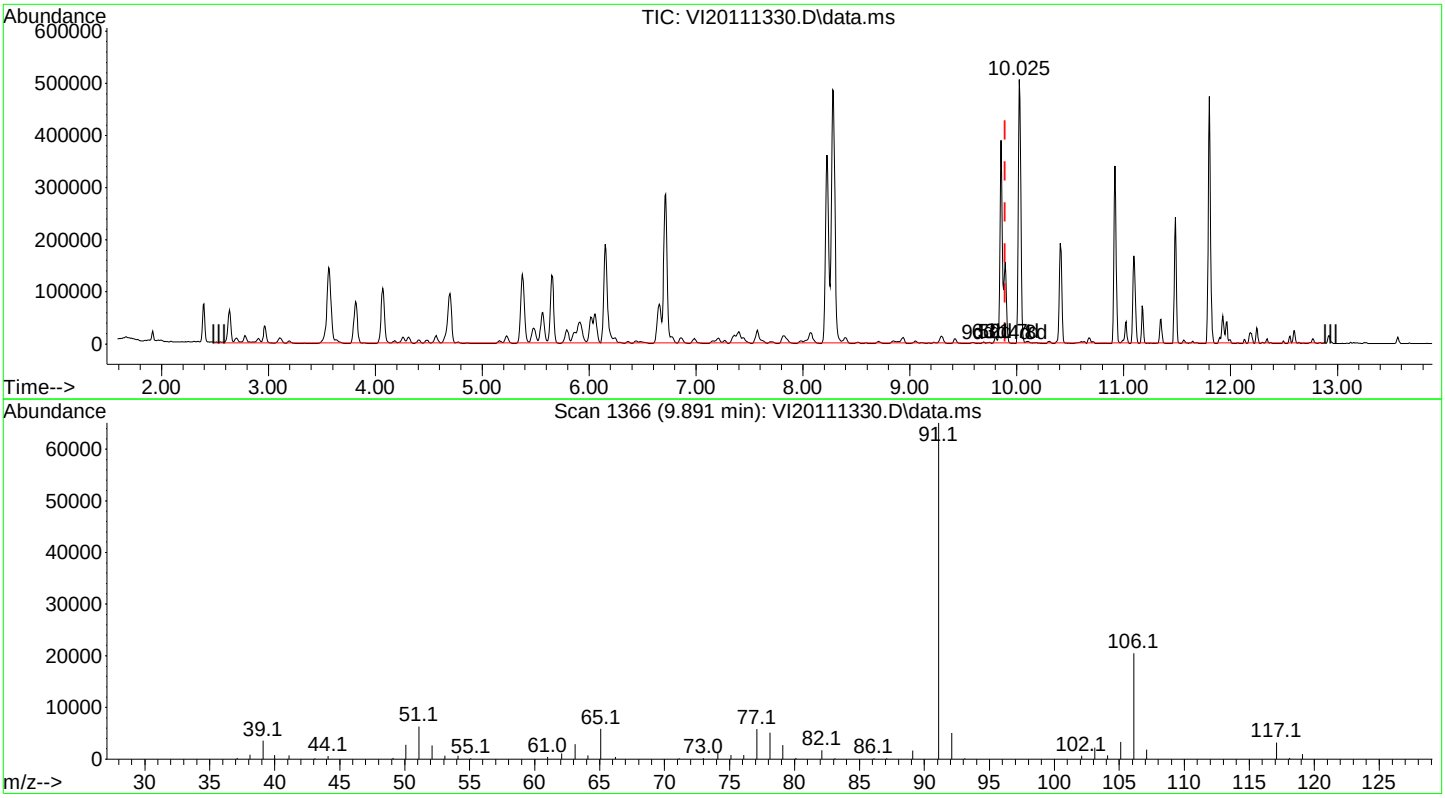
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.01#
0.00	0.00	0.01#
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111330.D
Acq On : 14 Nov 2020 9:27 am
Operator : TNL
Sample : 0K13048-CALG
Misc : 1X 5mL 1000 PPB GX
ALS Vial : 30 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 17:22:56 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:20:04 2020
Response via : Initial Calibration



TIC: VI20111330.D\data.ms

(7) CA-LUFT (C5-C12) (H)
9.890min (0.000) 911.22 ug/L m
response 7366907

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.01#
0.00	0.00	0.01#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111330.D
Acq On : 14 Nov 2020 9:27 am
Operator : TNL
Sample : 0K13048-CALG
Misc : 1X 5mL 1000 PPB GX
ALS Vial : 30 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

11/15/20 TNL

Quant Time: Nov 14 17:22:56 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:20:04 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.150	168	163081	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.716	114	267084	51.57	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.919	174	89168	53.29	ug/L	0.00
9) Toluene-d8 (NR)	8.224	98	290625	0.00	ug/L	0.00
11) Chlorobenzene-d5 (NR)	9.855	117	220992	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.802	150	166007	0.00	ug/L	0.00
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.890	TIC	4760462m	927.67	ug/L	
5) TPHg (C5-C9)	9.890	TIC	5662120m	840.21	ug/L	
6) TPHg (C6-C10)	9.890	TIC	4898826m	837.96	ug/L	
7) CA-LUFT (C5-C12)	9.890	TIC	7366907m	911.22	ug/L	

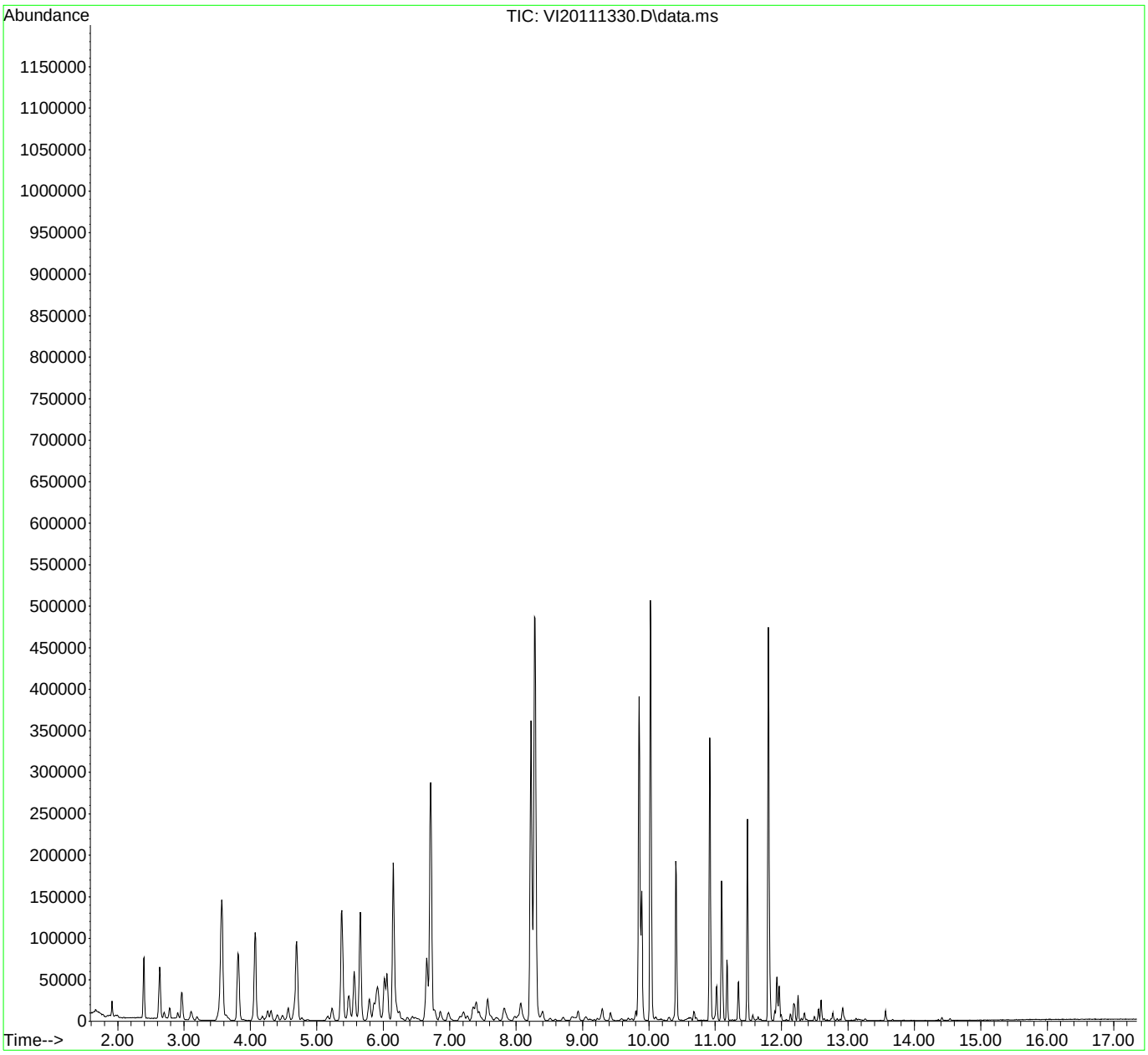
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111330.D
Acq On : 14 Nov 2020 9:27 am
Operator : TNL
Sample : 0K13048-CALG
Misc : 1X 5mL 1000 PPB GX
ALS Vial : 30 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 17:22:56 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:20:04 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111331.D
Acq On : 14 Nov 2020 9:54 am
Operator : TNL
Sample : 0K13048-CALH
Misc : 1X 5mL 2500 PPB GX
ALS Vial : 31 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

11/15/20 TNL

Quant Time: Nov 14 17:24:07 2020
Quant Method : C:\msdchem\1\methods\~~VI201114G.M~~
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:20:04 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.150	168	171282	50.00	ug/L	-0.04
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.716	114	275891	50.72	ug/L	-0.03
3) 4-Bromofluorobenzene (...	10.919	174	93221	53.04	ug/L	-0.03
9) Toluene-d8 (NR)	8.224	98	308585	0.00	ug/L	-0.04
11) Chlorobenzene-d5 (NR)	9.855	117	232684	0.00	ug/L	-0.03
12) 1,4-Dichlorobenzene-d4...	11.801	150	171288	0.00	ug/L	-0.03
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.890	TIC	13825269m	2483.07	ug/L	
5) TPHg (C5-C9)	9.890	TIC	16232364m	2325.67	ug/L	
6) TPHg (C6-C10)	9.890	TIC	14164905m	2333.82	ug/L	
7) CA-LUFT (C5-C12)	9.890	TIC	20562432m	2428.88	ug/L	

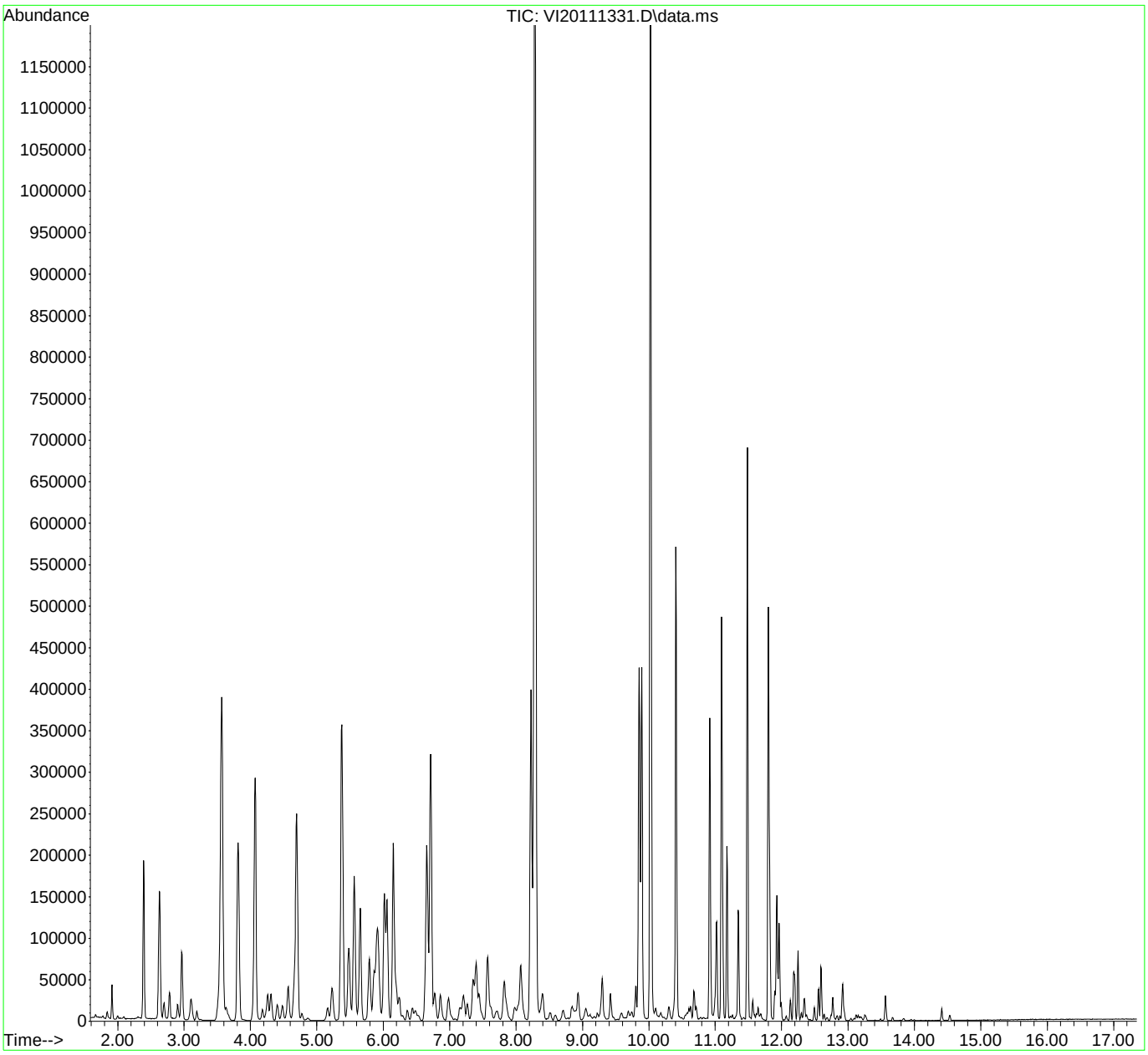
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111331.D
Acq On : 14 Nov 2020 9:54 am
Operator : TNL
Sample : 0K13048-CALH
Misc : 1X 5mL 2500 PPB GX
ALS Vial : 31 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 17:24:07 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:20:04 2020
Response via : Initial Calibration

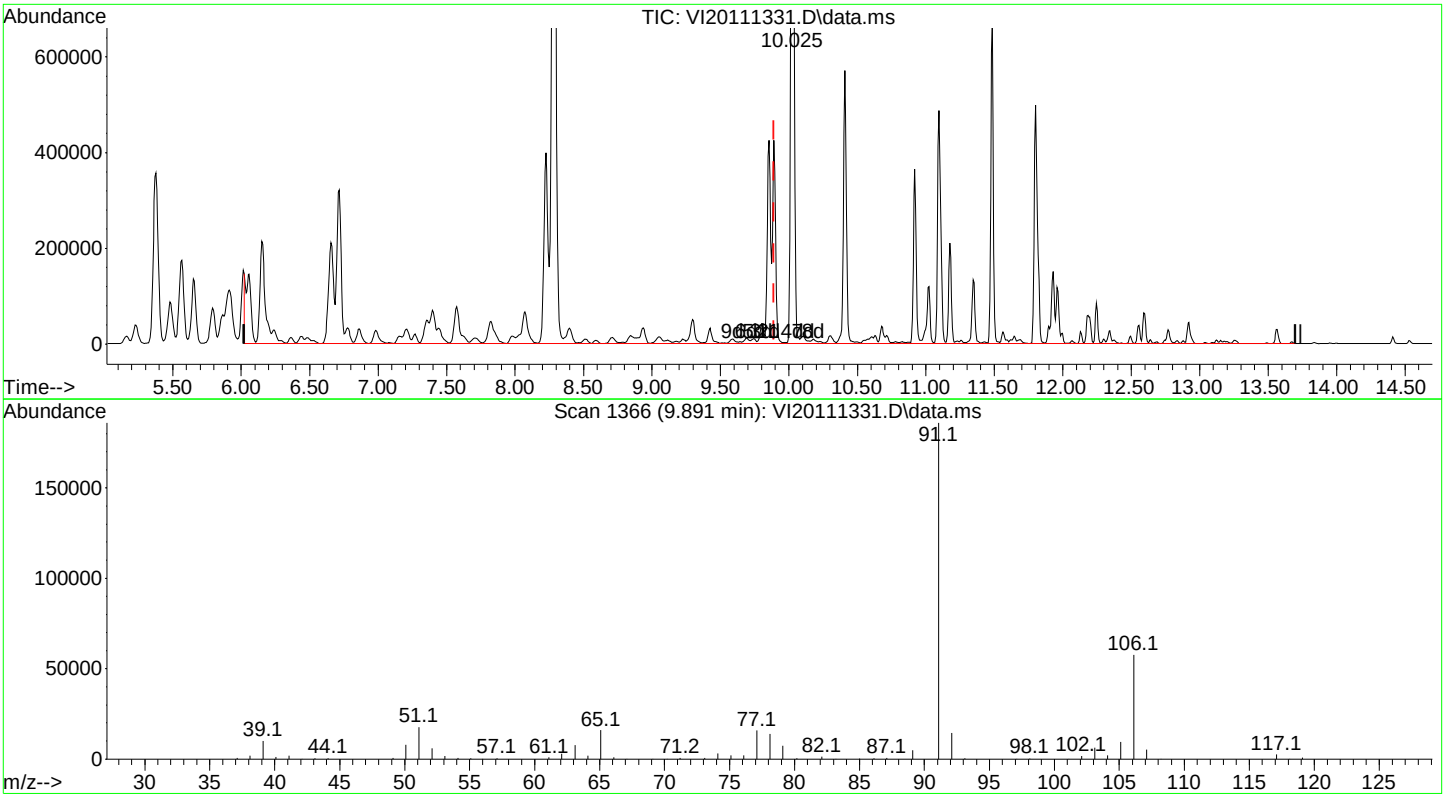


Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111331.D
Acq On : 14 Nov 2020 9:54 am
Operator : TNL
Sample : 0K13048-CALH
Misc : 1X 5mL 2500 PPB GX
ALS Vial : 31 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 17:24:35 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:24:25 2020
Response via : Initial Calibration



TIC: VI20111331.D\data.ms

(4) NWTPH-Gx (TPH) (H)
9.890min (0.000) 2483.07 ug/L m
response 13825269

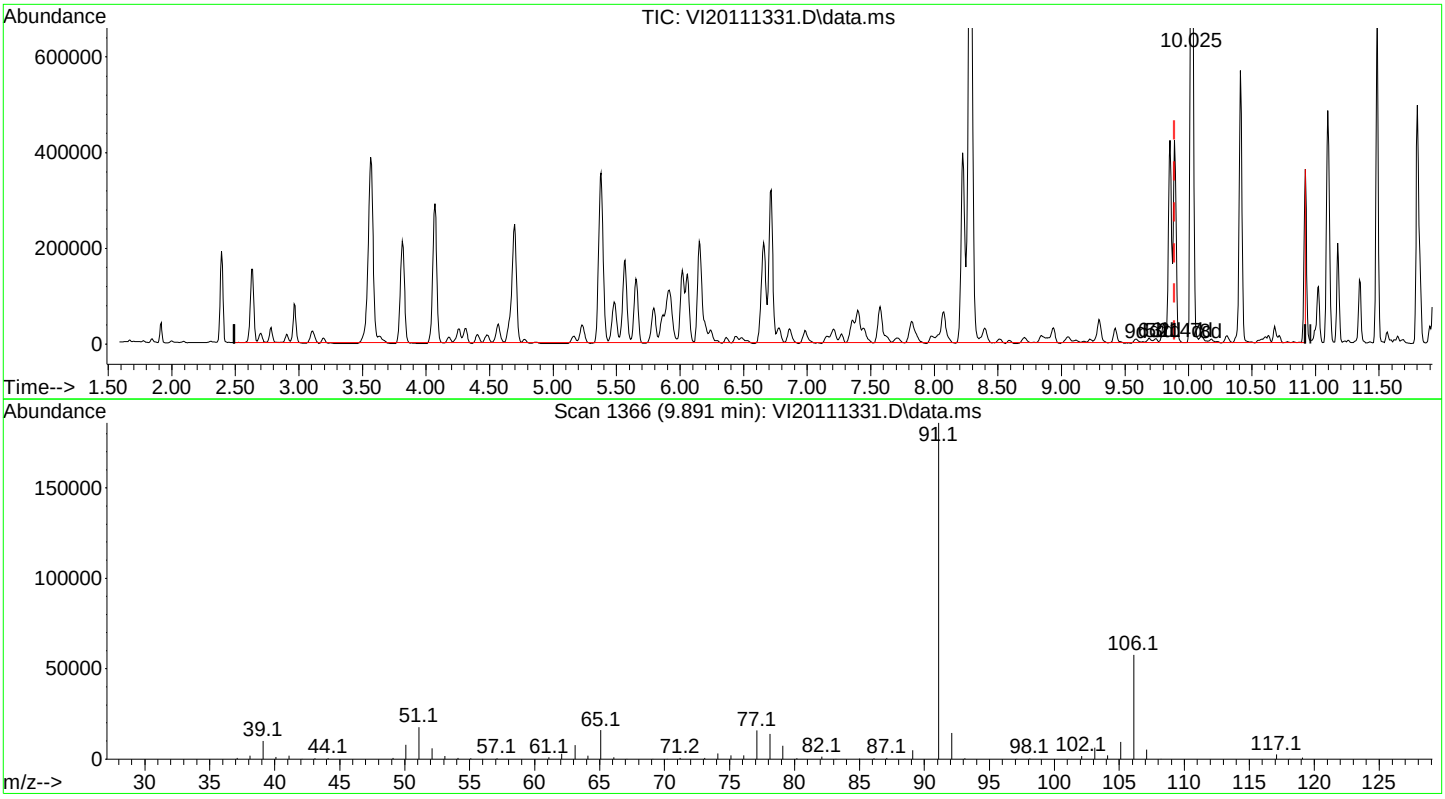
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.01#
0.00	0.00	0.01#
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111331.D
Acq On : 14 Nov 2020 9:54 am
Operator : TNL
Sample : 0K13048-CALH
Misc : 1X 5mL 2500 PPB GX
ALS Vial : 31 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 17:24:35 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:24:25 2020
Response via : Initial Calibration



TIC: VI20111331.D\data.ms

(5) TPHg (C5-C9) (H)

9.890min (0.000) 2325.67 ug/L m

response 16232364

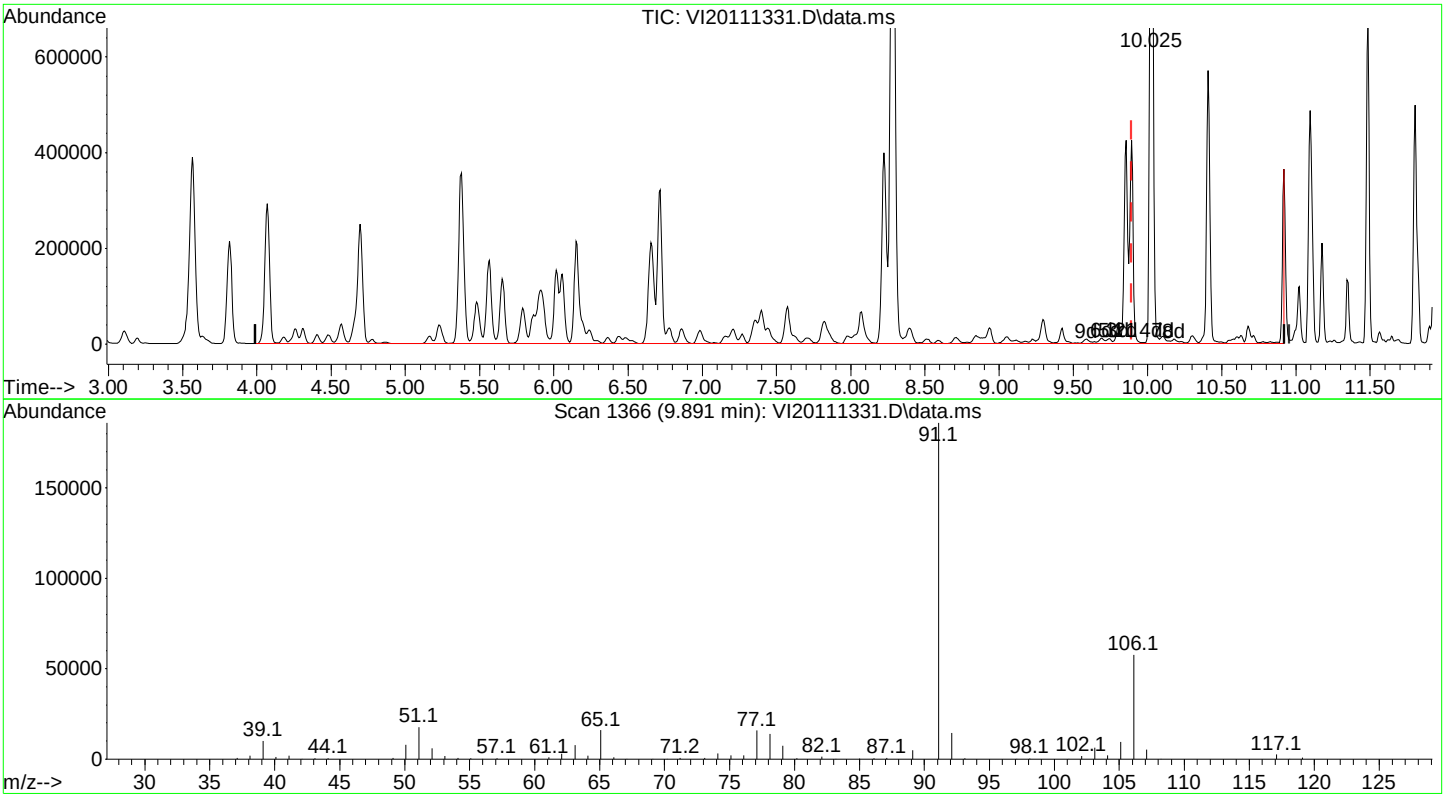
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.01#
0.00	0.00	0.01#
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111331.D
Acq On : 14 Nov 2020 9:54 am
Operator : TNL
Sample : 0K13048-CALH
Misc : 1X 5mL 2500 PPB GX
ALS Vial : 31 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 17:24:35 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:24:25 2020
Response via : Initial Calibration



TIC: VI20111331.D\data.ms

(6) TPHg (C6-C10) (H)
9.890min (0.000) 2333.82 ug/L m
response 14164905

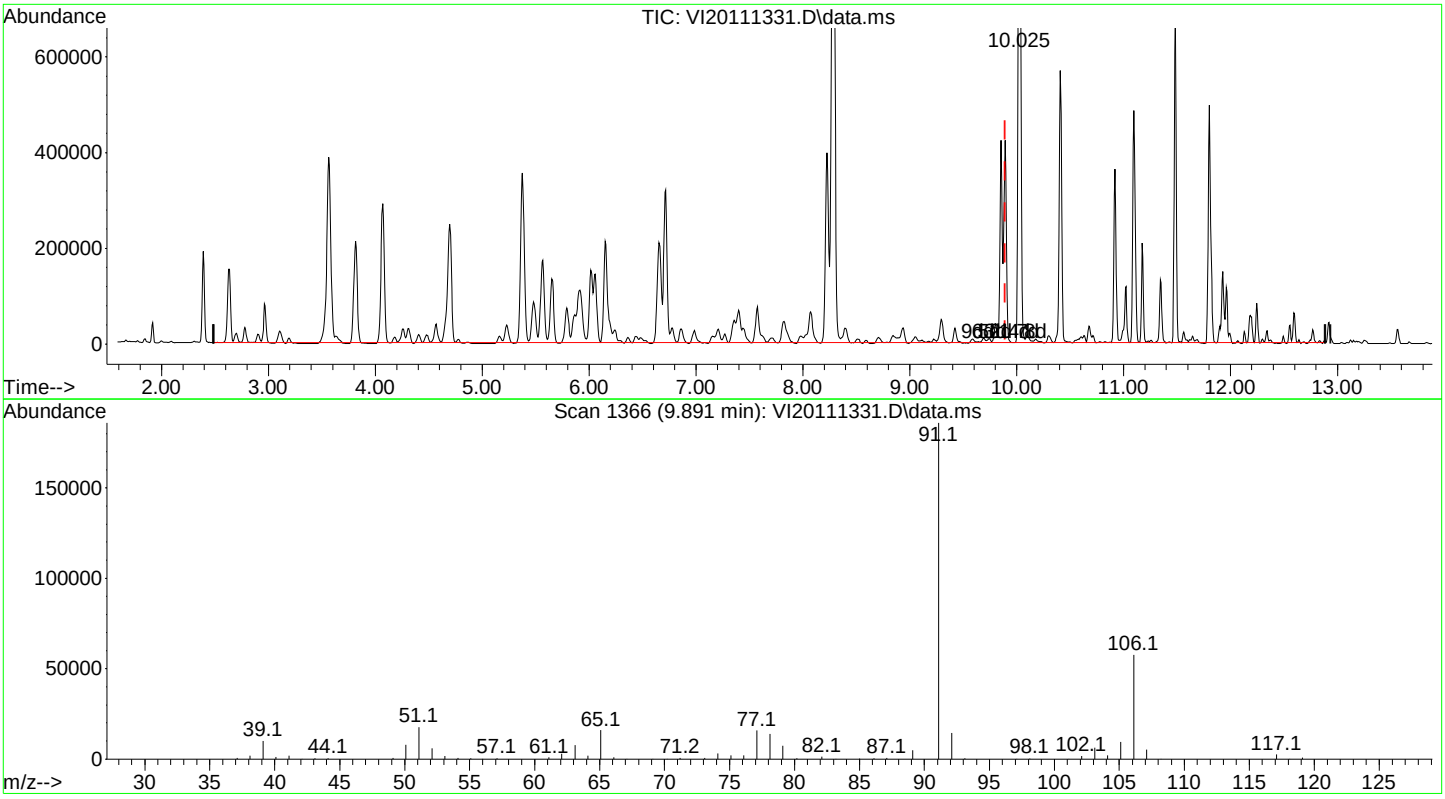
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.01#
0.00	0.00	0.01#
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111331.D
Acq On : 14 Nov 2020 9:54 am
Operator : TNL
Sample : 0K13048-CALH
Misc : 1X 5mL 2500 PPB GX
ALS Vial : 31 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 17:24:35 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:24:25 2020
Response via : Initial Calibration



TIC: VI20111331.D\data.ms

(7) CA-LUFT (C5-C12) (H)
9.890min (0.000) 2428.88 ug/L m
response 20562432

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.01#
0.00	0.00	0.01#
0.00	0.00	0.00

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111332.D
Acq On : 14 Nov 2020 10:21 am
Operator : TNL
Sample : 0K13048-CALI
Misc : 1X 5mL 5000 PPB GX
ALS Vial : 32 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

11/15/20 TNL

Quant Time: Nov 14 17:25:12 2020
Quant Method : C:\msdchem\1\methods\~~VI201114G.M~~
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:24:25 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.150	168	164376	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.710	114	266221	50.99	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.920	174	92954	55.11	ug/L	0.00
9) Toluene-d8 (NR)	8.225	98	299796	0.00	ug/L	0.00
11) Chlorobenzene-d5 (NR)	9.855	117	229258	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.802	150	173342	0.00	ug/L	0.00
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.890	TIC	28805738m	5262.92	ug/L	
5) TPHg (C5-C9)	9.890	TIC	32894479m	4964.52	ug/L	
6) TPHg (C6-C10)	9.890	TIC	28772366m	4971.48	ug/L	
7) CA-LUFT (C5-C12)	9.890	TIC	42277648m	5207.51	ug/L	

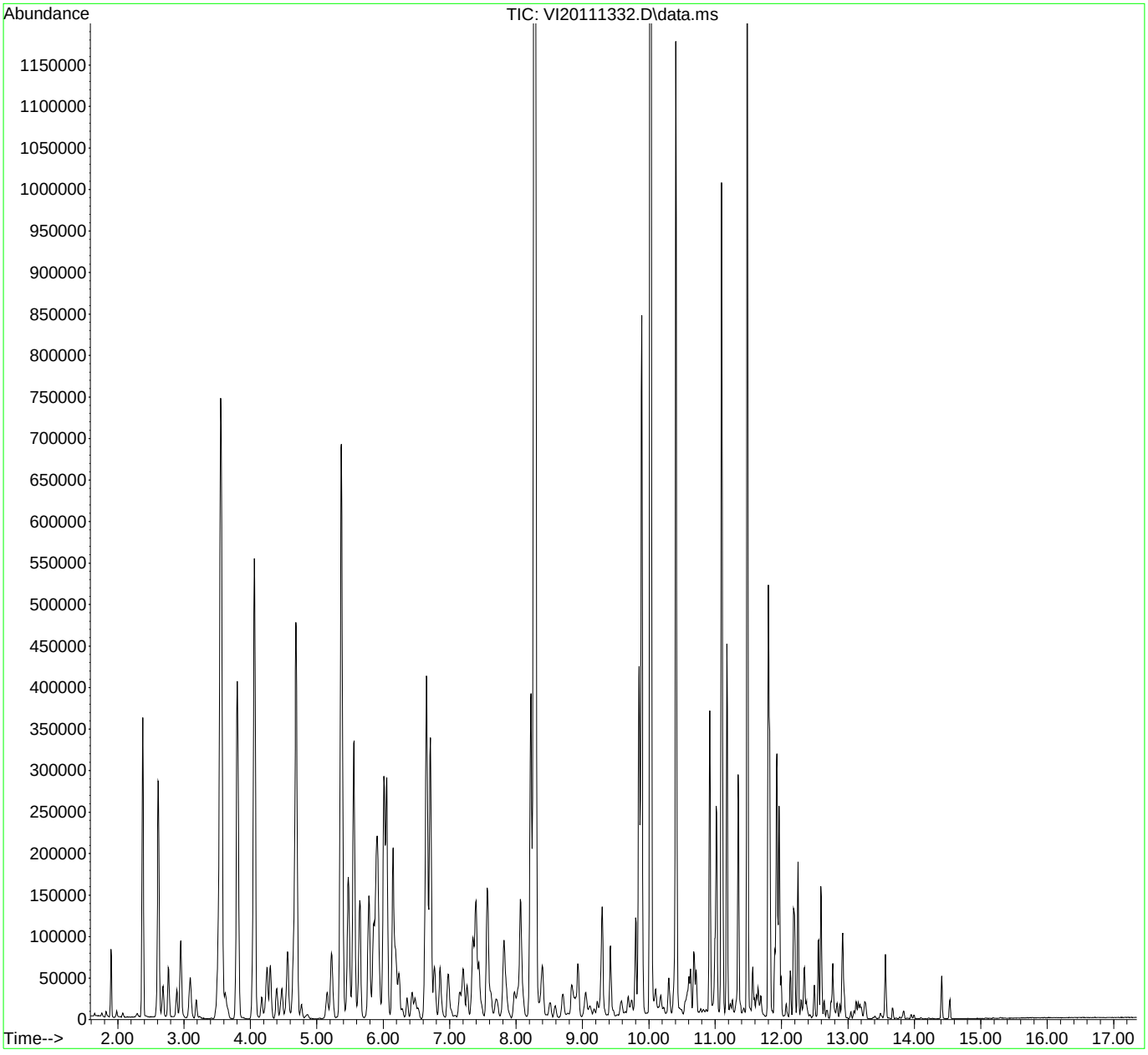
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111332.D
Acq On : 14 Nov 2020 10:21 am
Operator : TNL
Sample : 0K13048-CALI
Misc : 1X 5mL 5000 PPB GX
ALS Vial : 32 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 17:25:12 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:24:25 2020
Response via : Initial Calibration

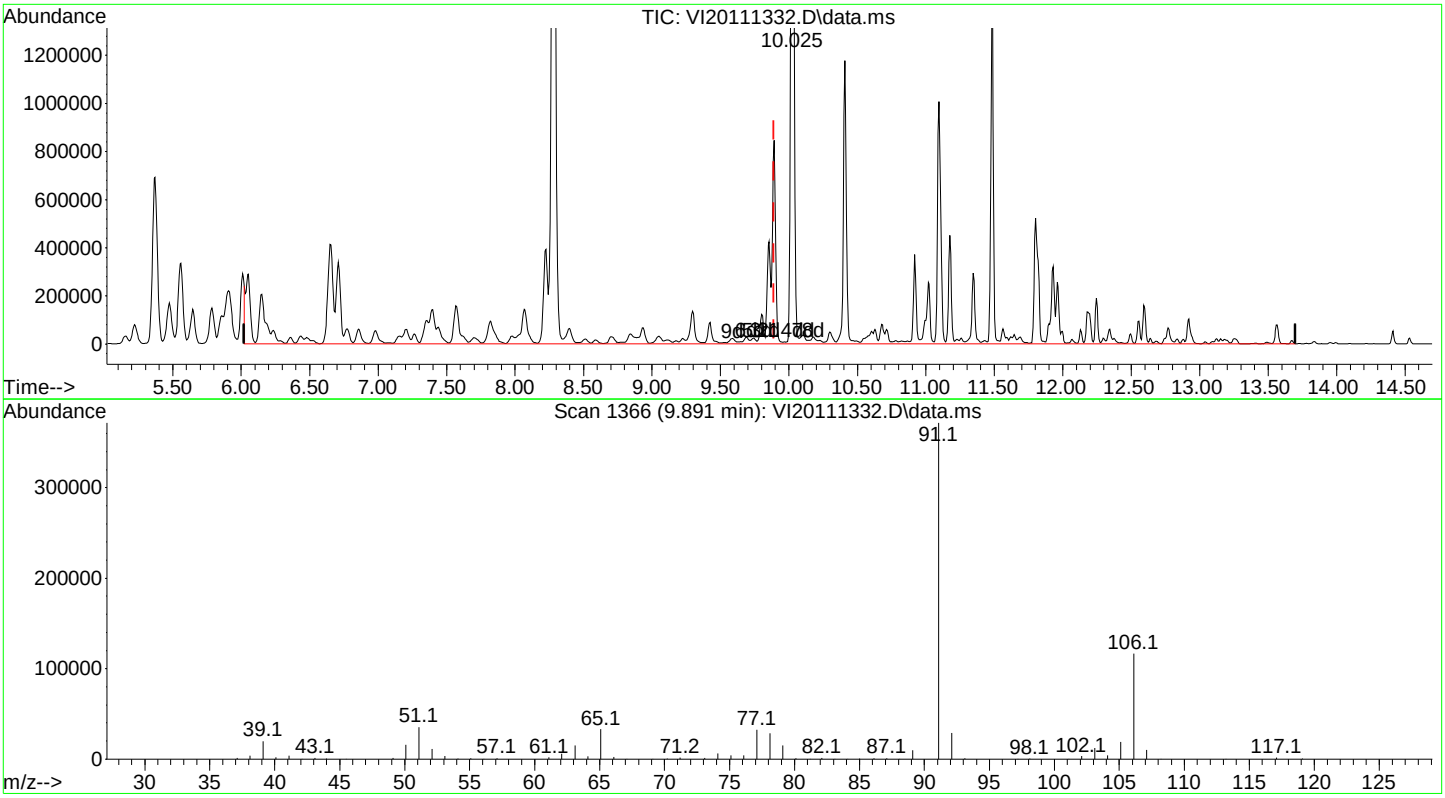


Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111332.D
Acq On : 14 Nov 2020 10:21 am
Operator : TNL
Sample : 0K13048-CALI
Misc : 1X 5mL 5000 PPB GX
ALS Vial : 32 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 17:25:12 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:24:25 2020
Response via : Initial Calibration



TIC: VI20111332.D\data.ms

(4) NWTPH-Gx (TPH) (H)

9.890min (0.000) 5262.92 ug/L m

response 28805738

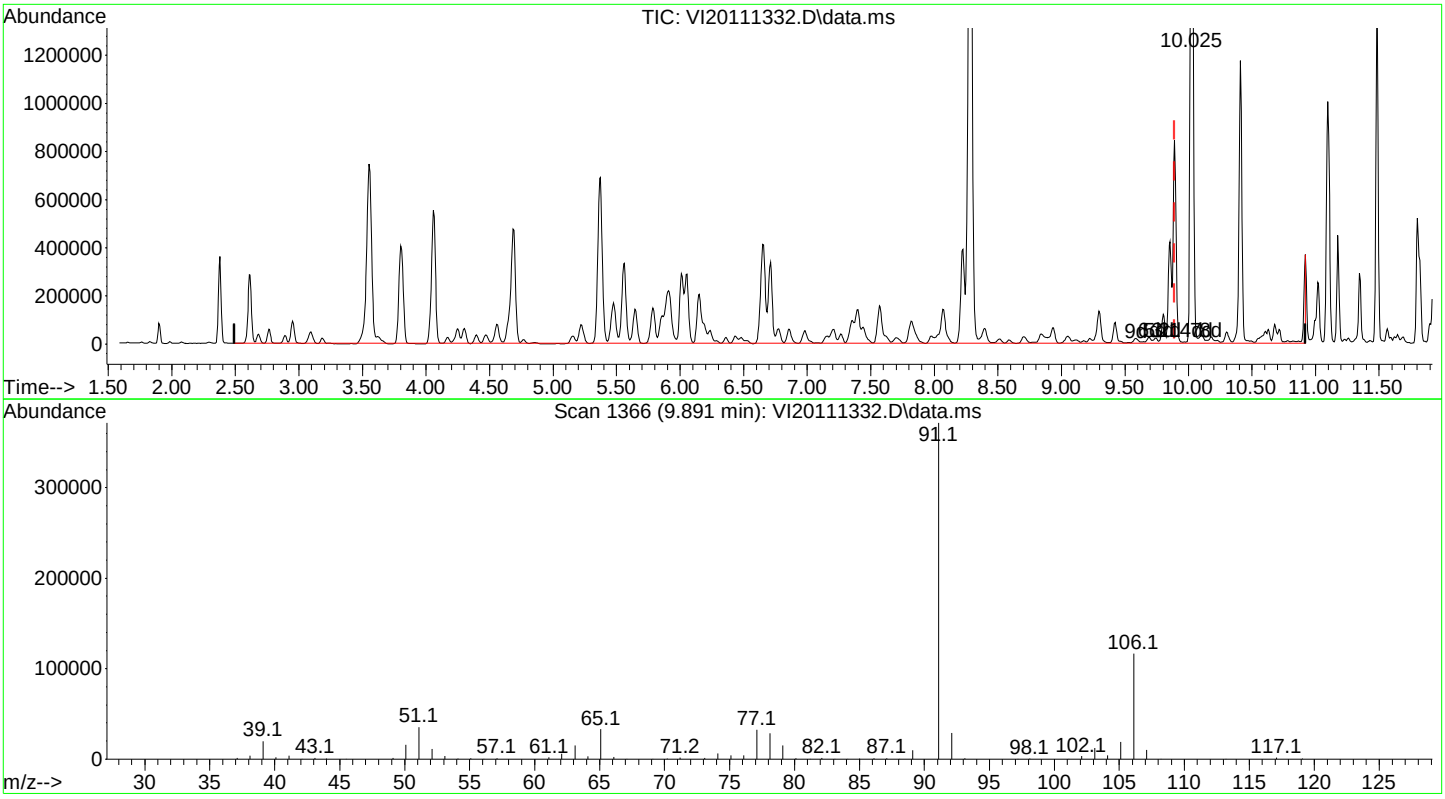
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.02#
0.00	0.00	0.01#
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111332.D
Acq On : 14 Nov 2020 10:21 am
Operator : TNL
Sample : 0K13048-CALI
Misc : 1X 5mL 5000 PPB GX
ALS Vial : 32 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 17:25:12 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:24:25 2020
Response via : Initial Calibration



TIC: VI20111332.D\data.ms

(5) TPHg (C5-C9) (H)

9.890min (0.000) 4964.52 ug/L m

response 32894479

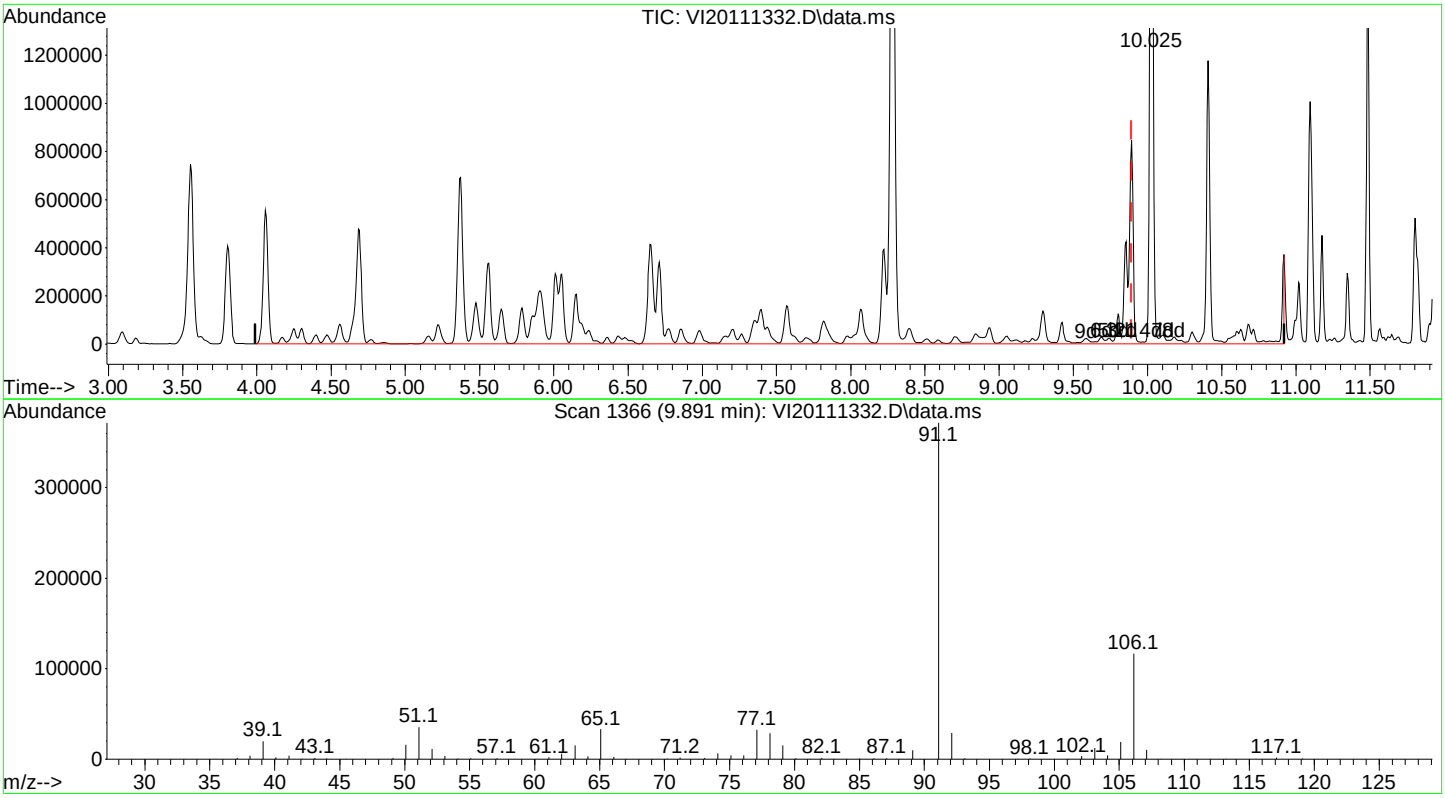
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.01#
0.00	0.00	0.01#
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111332.D
Acq On : 14 Nov 2020 10:21 am
Operator : TNL
Sample : 0K13048-CALI
Misc : 1X 5mL 5000 PPB GX
ALS Vial : 32 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 17:25:12 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:24:25 2020
Response via : Initial Calibration



TIC: VI20111332.D\data.ms

(6) TPHg (C6-C10) (H)

9.890min (0.000) 4971.48 ug/L m

response 28772366

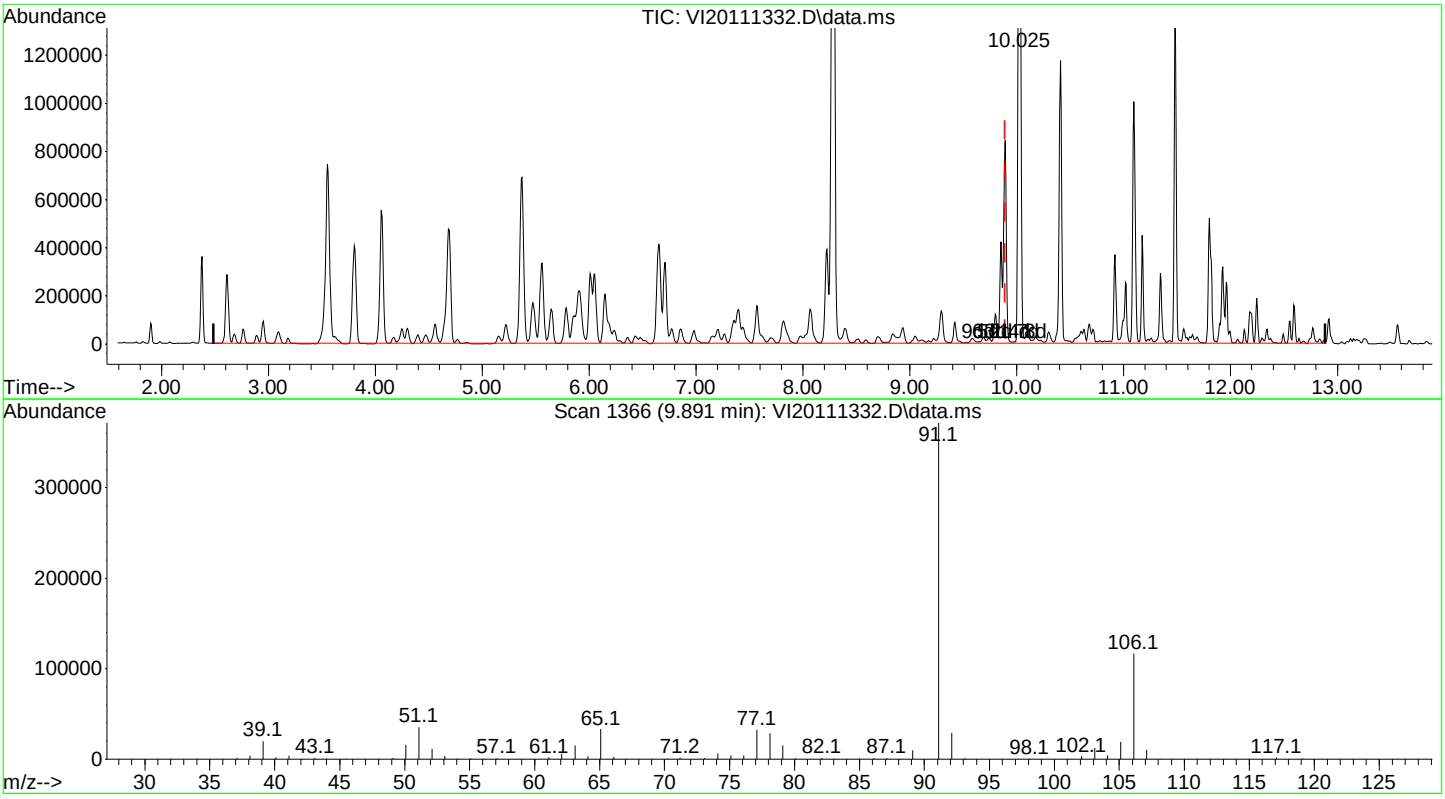
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.02#
0.00	0.00	0.01#
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111332.D
Acq On : 14 Nov 2020 10:21 am
Operator : TNL
Sample : 0K13048-CALI
Misc : 1X 5mL 5000 PPB GX
ALS Vial : 32 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 17:25:12 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:24:25 2020
Response via : Initial Calibration



TIC: VI20111332.D\data.ms

(7) CA-LUFT (C5-C12) (H)
9.890min (0.000) 5207.51 ug/L m
response 42277648

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.01#
0.00	0.00	0.01#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111332.D
Acq On : 14 Nov 2020 10:21 am
Operator : TNL
Sample : 0K13048-CALI
Misc : 1X 5mL 5000 PPB GX
ALS Vial : 32 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

11/15/20 TNL

Quant Time: Nov 14 17:25:12 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:24:25 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.150	168	164376	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.710	114	266221	50.99	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.920	174	92954	55.11	ug/L	0.00
9) Toluene-d8 (NR)	8.225	98	299796	0.00	ug/L	0.00
11) Chlorobenzene-d5 (NR)	9.855	117	229258	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.802	150	173342	0.00	ug/L	0.00
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.890	TIC	28805738m	5262.92	ug/L	
5) TPHg (C5-C9)	9.890	TIC	32894479m	4964.52	ug/L	
6) TPHg (C6-C10)	9.890	TIC	28772366m	4971.48	ug/L	
7) CA-LUFT (C5-C12)	9.890	TIC	42277648m	5207.51	ug/L	

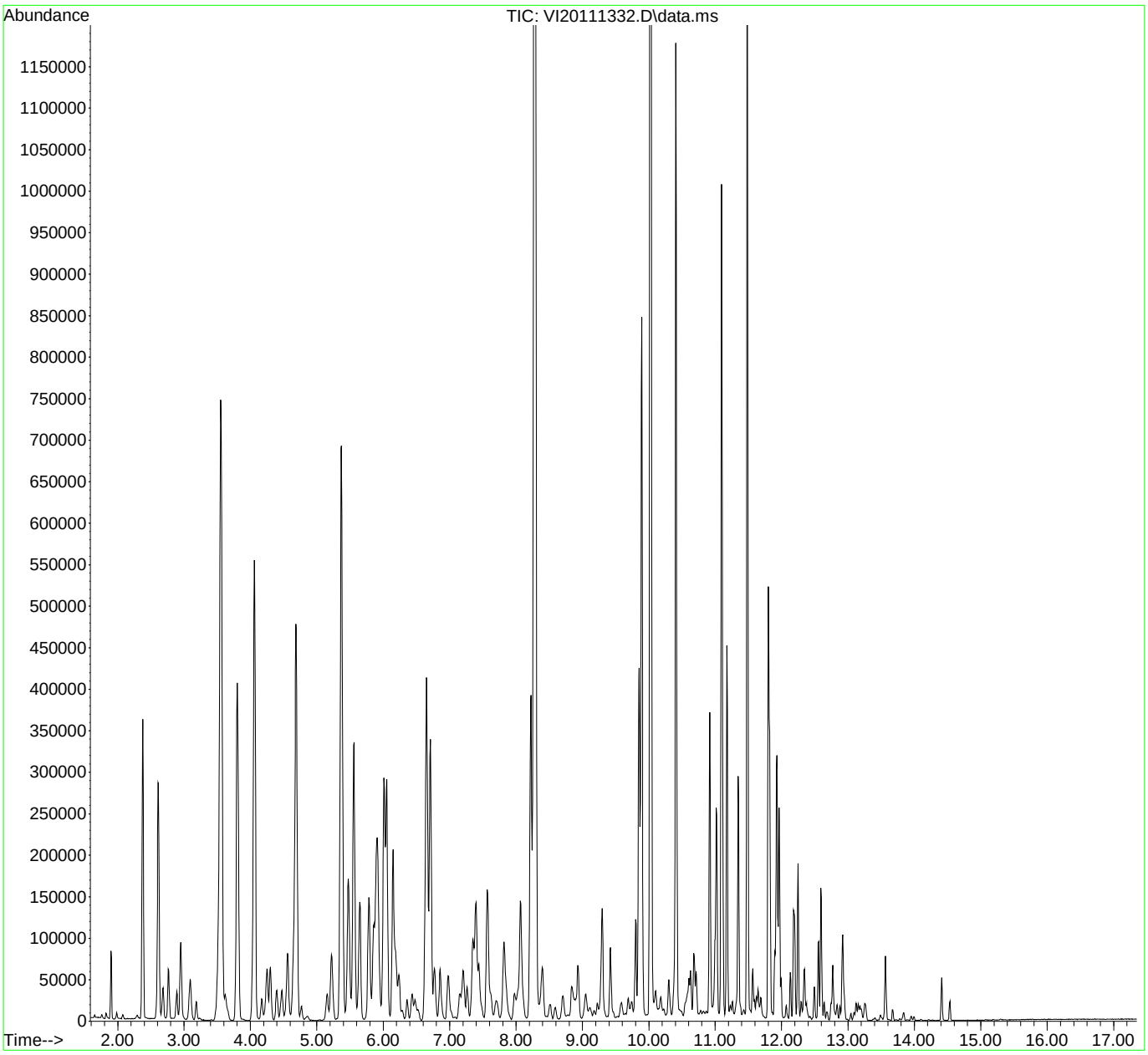
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111332.D
Acq On : 14 Nov 2020 10:21 am
Operator : TNL
Sample : 0K13048-CALI
Misc : 1X 5mL 5000 PPB GX
ALS Vial : 32 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 17:25:12 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:24:25 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111333.D
Acq On : 14 Nov 2020 10:48 am
Operator : TNL
Sample : 0K13048-CALJ
Misc : 1X 5mL 10000 PPB GX
ALS Vial : 33 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

11/15/20 TNL

Quant Time: Nov 14 17:25:44 2020
Quant Method : C:\msdchem\1\methods\~~VI201114G.M~~
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:24:25 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.150	168	174056	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.710	114	280319	50.71	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.919	174	100267	56.14	ug/L	0.00
9) Toluene-d8 (NR)	8.224	98	316886	0.00	ug/L	0.00
11) Chlorobenzene-d5 (NR)	9.855	117	243102	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.802	150	186745	0.00	ug/L	0.00
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.890	TIC	53398634m	8987.32	ug/L	
5) TPHg (C5-C9)	9.890	TIC	54616280m	7860.85	ug/L	
6) TPHg (C6-C10)	9.890	TIC	48761155m	7996.90	ug/L	
7) CA-LUFT (C5-C12)	9.890	TIC	71280172m	8291.66	ug/L	

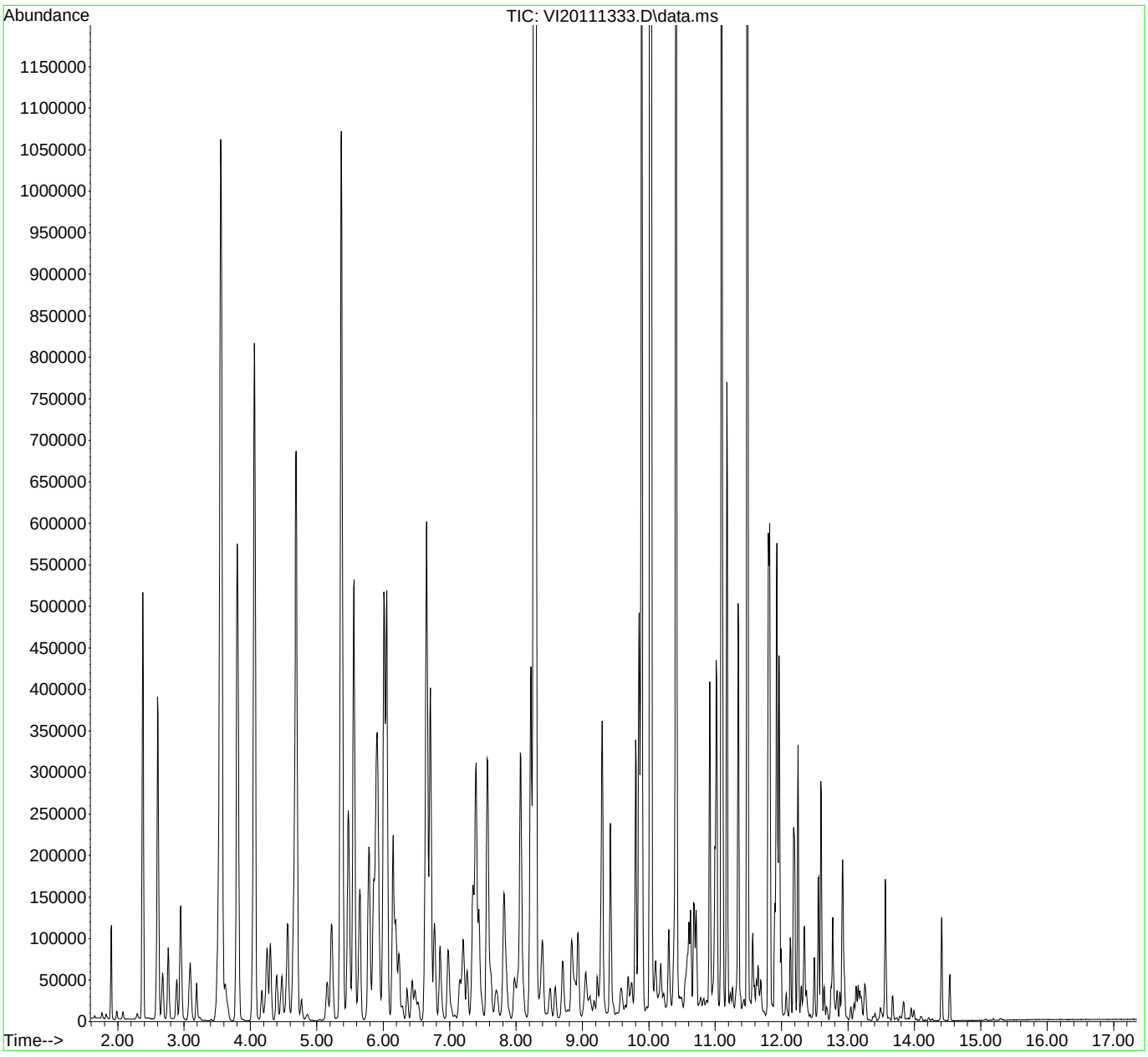
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111333.D
Acq On : 14 Nov 2020 10:48 am
Operator : TNL
Sample : 0K13048-CALJ
Misc : 1X 5mL 10000 PPB GX
ALS Vial : 33 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 17:25:44 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:24:25 2020
Response via : Initial Calibration

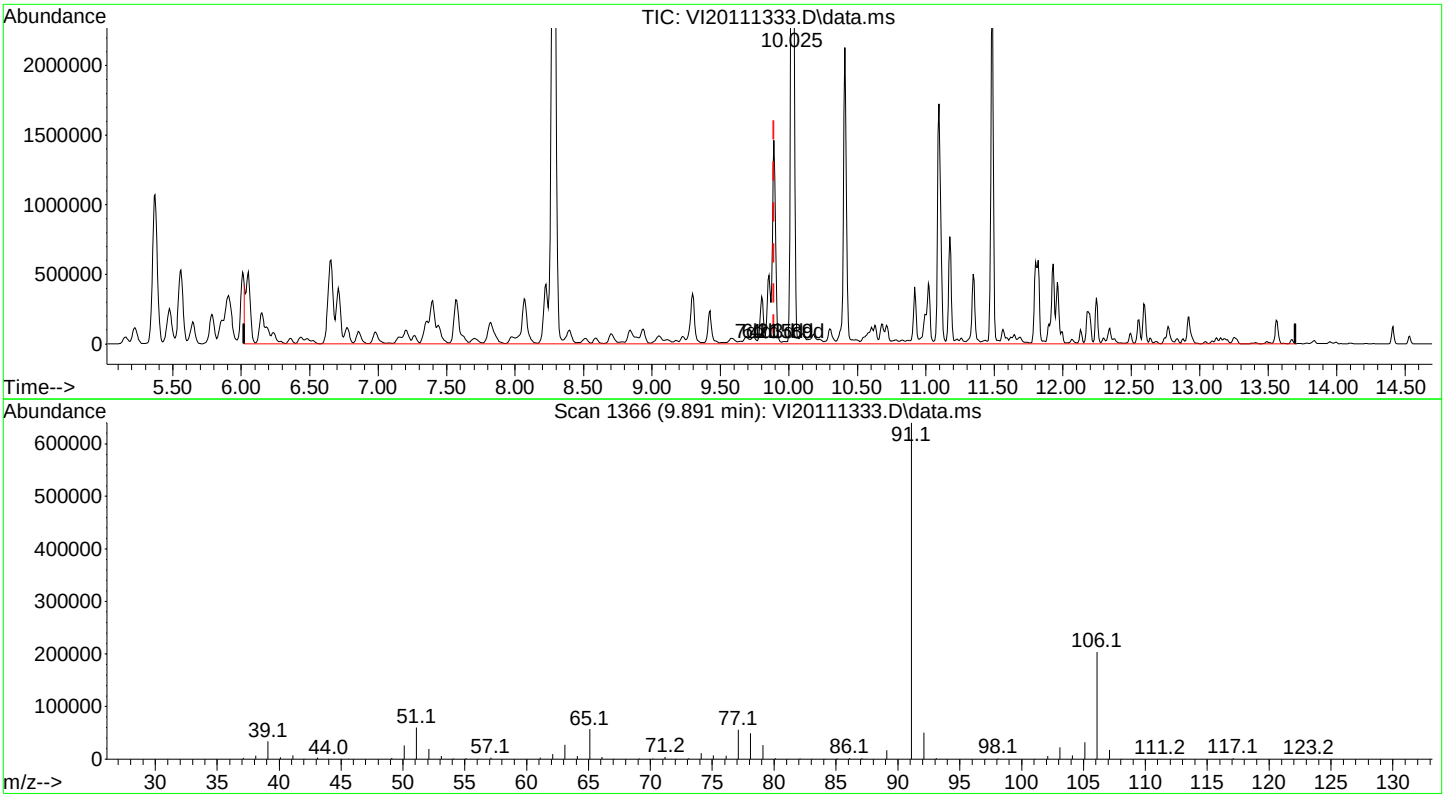


Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111333.D
Acq On : 14 Nov 2020 10:48 am
Operator : TNL
Sample : 0K13048-CALJ
Misc : 1X 5mL 10000 PPB GX
ALS Vial : 33 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 17:25:44 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:24:25 2020
Response via : Initial Calibration



TIC: VI20111333.D\data.ms

(4) NWTPH-Gx (TPH) (H)

9.890min (0.000) 8987.32 ug/L m

response 53398634

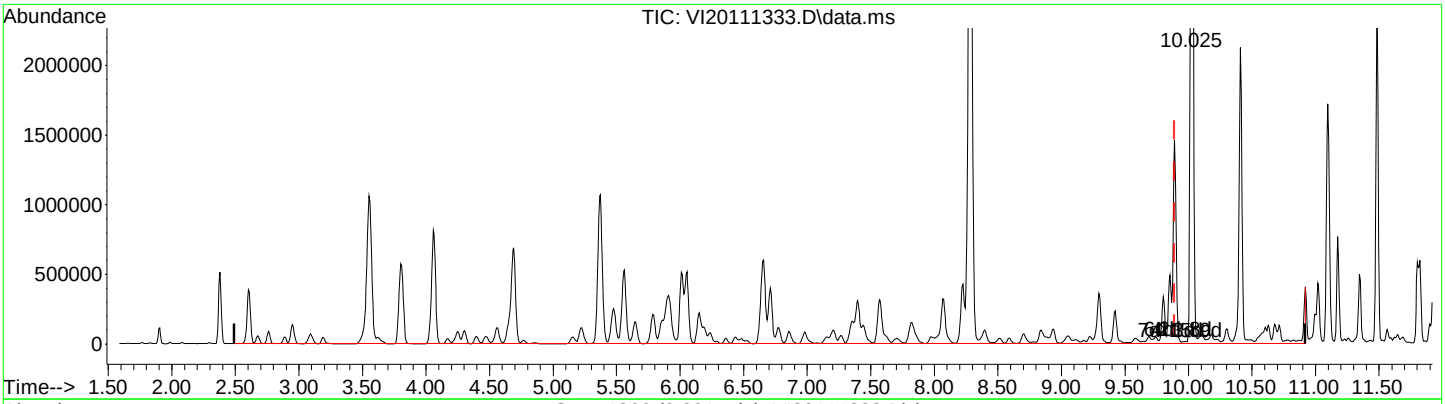
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.02#
0.00	0.00	0.01#
0.00	0.00	0.00

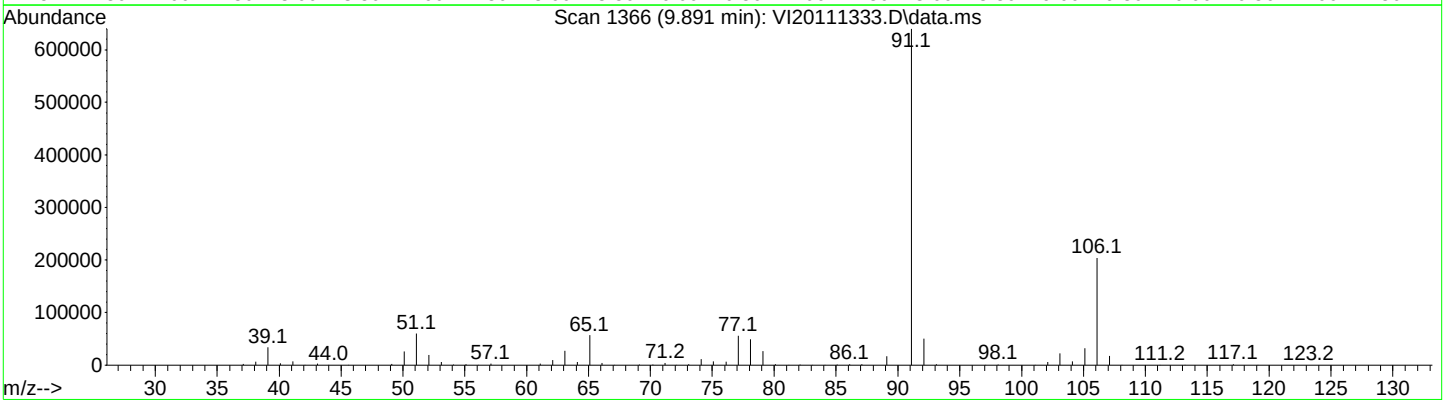
Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111333.D
Acq On : 14 Nov 2020 10:48 am
Operator : TNL
Sample : 0K13048-CALJ
Misc : 1X 5mL 10000 PPB GX
ALS Vial : 33 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 17:25:44 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:24:25 2020
Response via : Initial Calibration





TIC: VI20111333.D\data.ms

(5) TPHg (C5-C9) (H)

9.890min (0.000) 7860.85 ug/L m

response 54616280

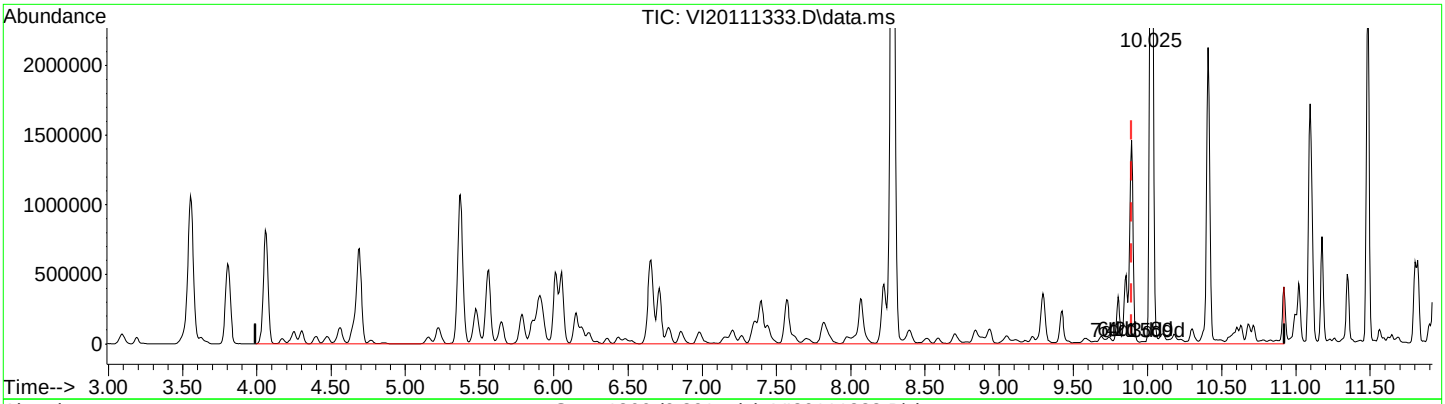
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.02#
0.00	0.00	0.01#
0.00	0.00	0.00

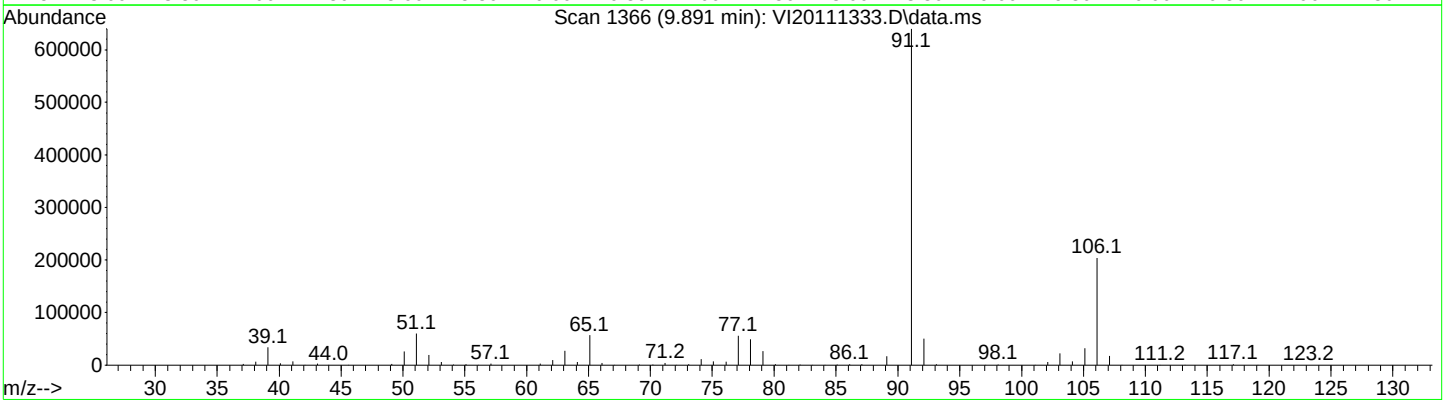
Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111333.D
Acq On : 14 Nov 2020 10:48 am
Operator : TNL
Sample : 0K13048-CALJ
Misc : 1X 5mL 10000 PPB GX
ALS Vial : 33 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 17:25:44 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:24:25 2020
Response via : Initial Calibration





TIC: VI20111333.D\data.ms

(6) TPHg (C6-C10) (H)
9.890min (0.000) 7996.90 ug/L m
response 48761155

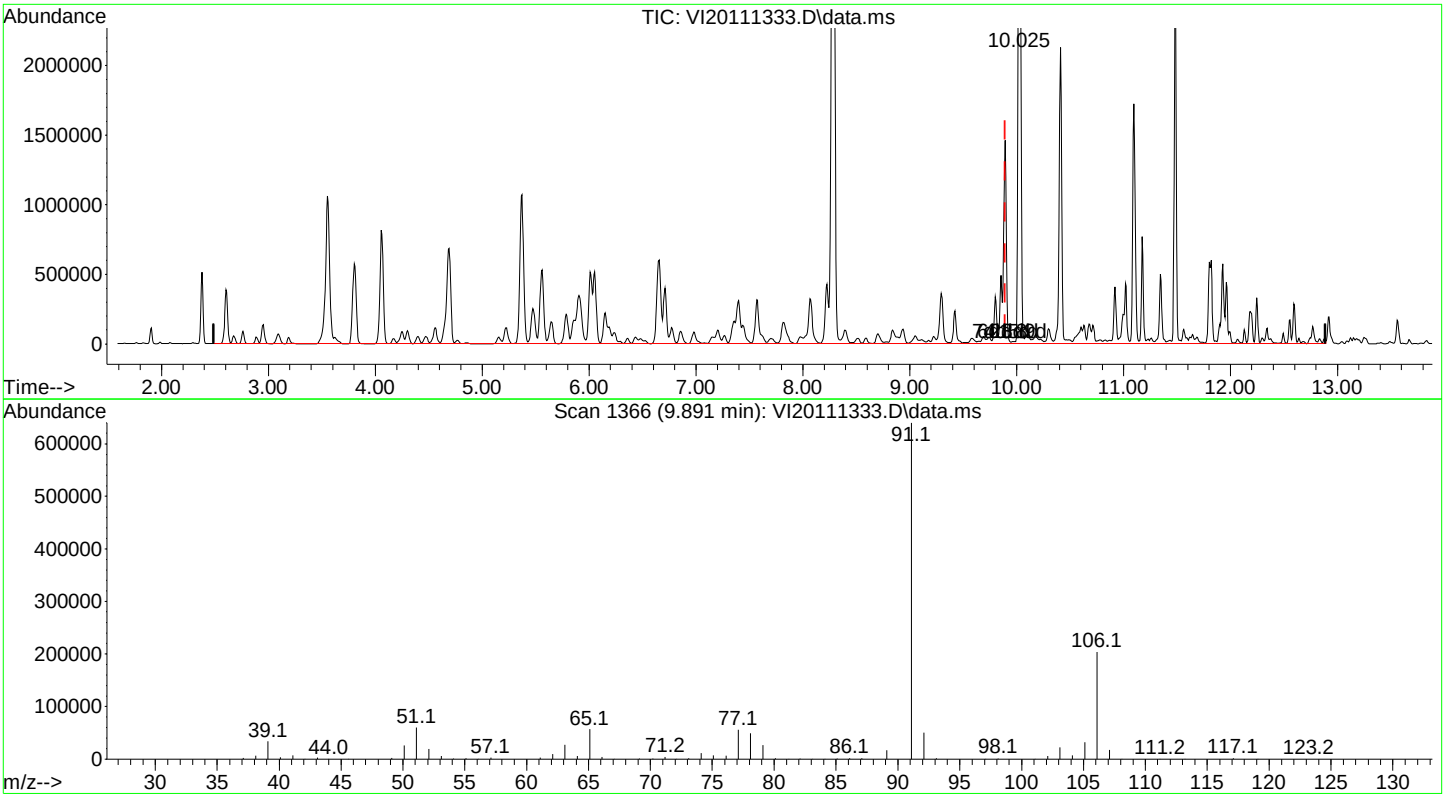
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.02#
0.00	0.00	0.02#
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111333.D
Acq On : 14 Nov 2020 10:48 am
Operator : TNL
Sample : 0K13048-CALJ
Misc : 1X 5mL 10000 PPB GX
ALS Vial : 33 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 17:25:44 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:24:25 2020
Response via : Initial Calibration



TIC: VI20111333.D\data.ms

(7) CA-LUFT (C5-C12) (H)
9.890min (0.000) 8291.66 ug/L m
response 71280172

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.01#
0.00	0.00	0.01#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111333.D
Acq On : 14 Nov 2020 10:48 am
Operator : TNL
Sample : 0K13048-CALJ
Misc : 1X 5mL 10000 PPB GX
ALS Vial : 33 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

11/15/20 TNL

Quant Time: Nov 14 17:25:44 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:24:25 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.150	168	174056	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.710	114	280319	50.71	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.919	174	100267	56.14	ug/L	0.00
9) Toluene-d8 (NR)	8.224	98	316886	0.00	ug/L	0.00
11) Chlorobenzene-d5 (NR)	9.855	117	243102	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.802	150	186745	0.00	ug/L	0.00
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.890	TIC	53398634m	8987.32	ug/L	
5) TPHg (C5-C9)	9.890	TIC	54616280m	7860.85	ug/L	
6) TPHg (C6-C10)	9.890	TIC	48761155m	7996.90	ug/L	
7) CA-LUFT (C5-C12)	9.890	TIC	71280172m	8291.66	ug/L	

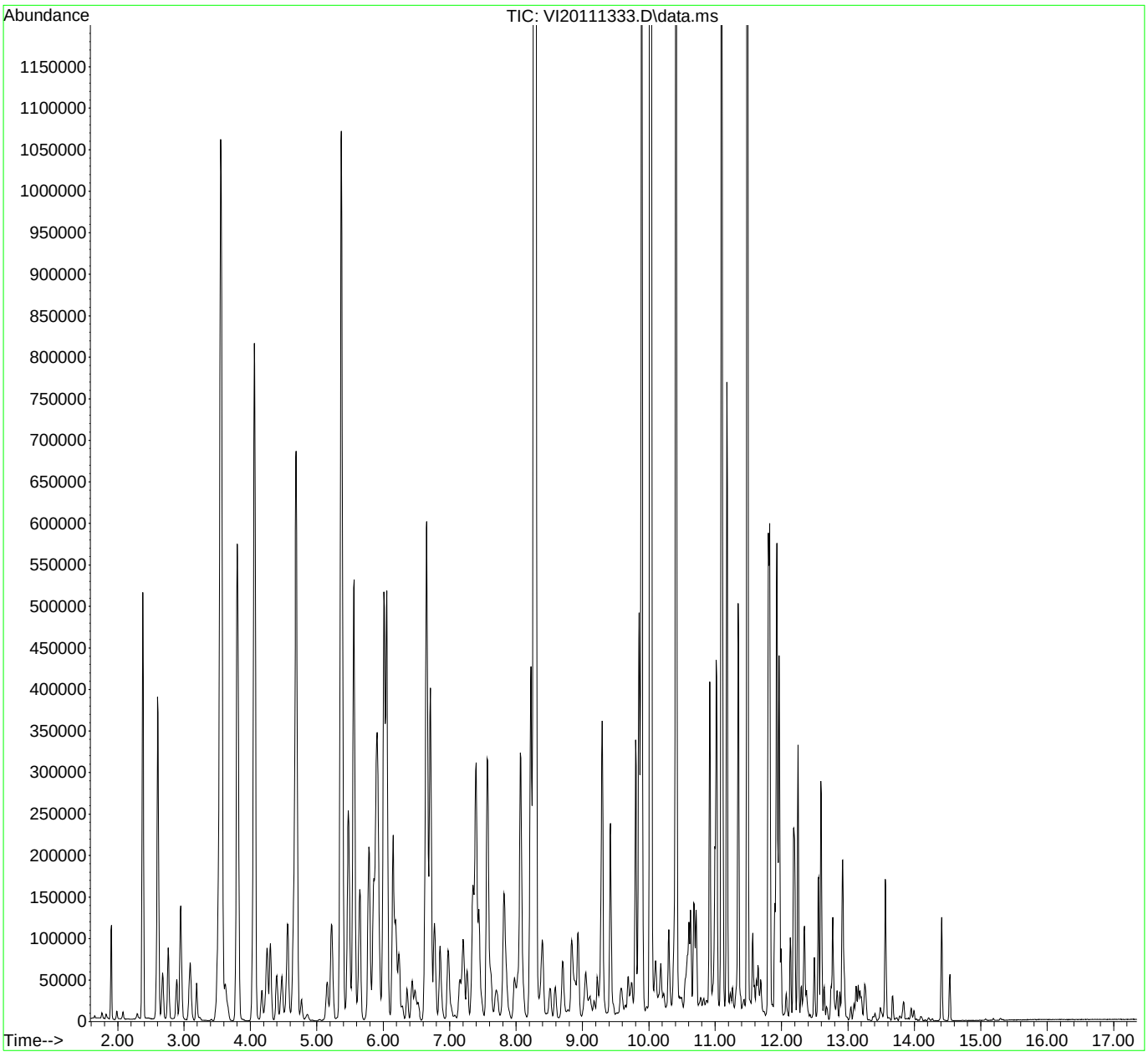
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111333.D
Acq On : 14 Nov 2020 10:48 am
Operator : TNL
Sample : 0K13048-CALJ
Misc : 1X 5mL 10000 PPB GX
ALS Vial : 33 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 14 17:25:44 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:24:25 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111334.D
Acq On : 14 Nov 2020 11:16 am
Operator : TNL
Sample : 0K13048-IBL8 11/15/20 TNL
Misc : 1X 5mL DI
ALS Vial : 34 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 15 10:23:15 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:27:50 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.150	168	169436	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.710	114	266696	49.08	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.919	174	86332	47.92	ug/L	0.00
9) Toluene-d8 (NR)	8.224	98	297706	0.00	ug/L	0.00
11) Chlorobenzene-d5 (NR)	9.855	117	222850	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.802	150	151555	0.00	ug/L	0.00
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.890	TIC	7999m	30.30	ug/L	
5) TPHg (C5-C9)	9.890	TIC	-147417m	42.32	ug/L	
6) TPHg (C6-C10)	9.890	TIC	-197225m	51.03	ug/L	
7) CA-LUFT (C5-C12)	9.890	TIC	325929m	46.61	ug/L	

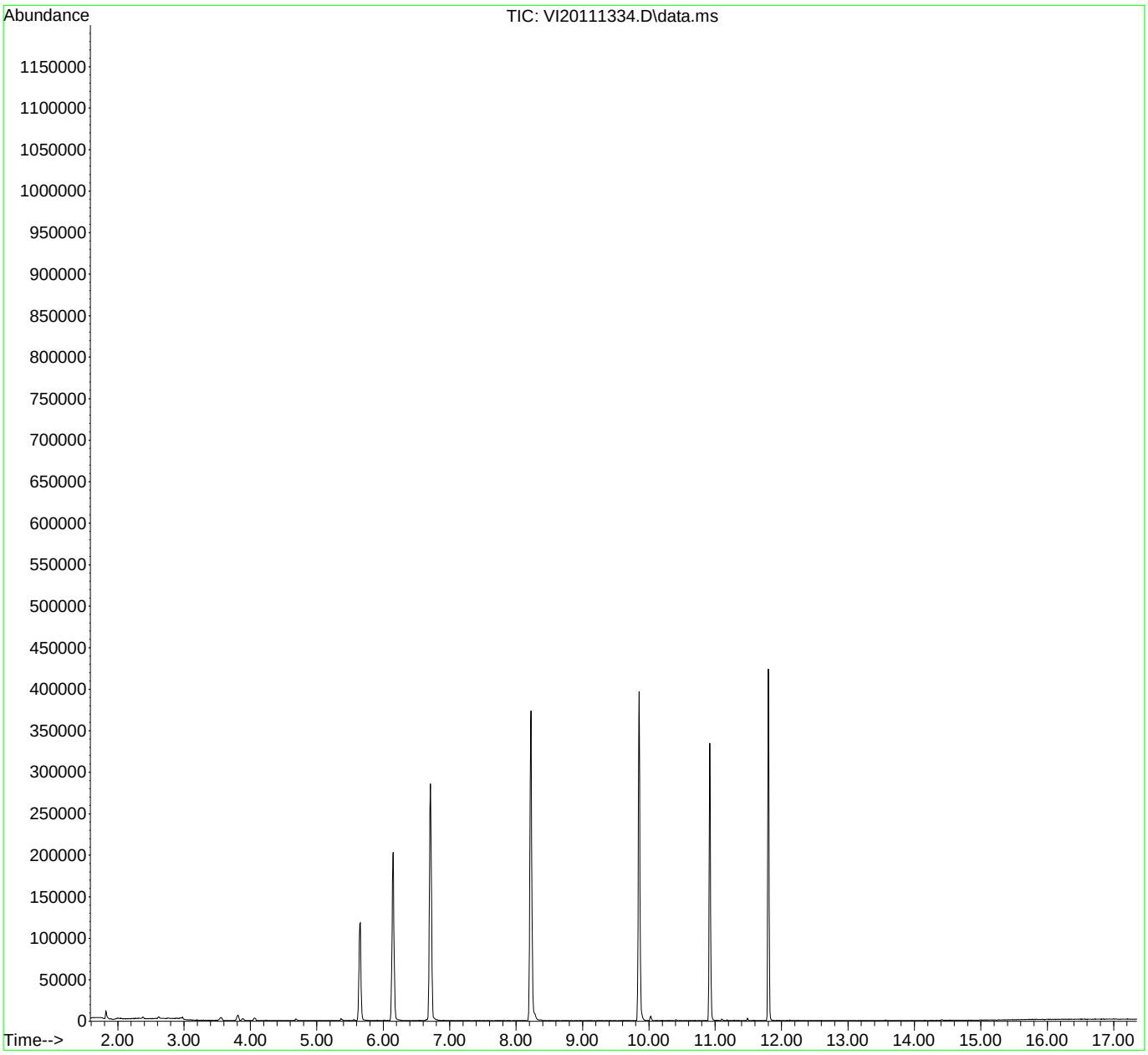
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111334.D
Acq On : 14 Nov 2020 11:16 am
Operator : TNL
Sample : 0K13048-IBL8
Misc : 1X 5mL DI
ALS Vial : 34 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 15 10:23:15 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:27:50 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111335.D
Acq On : 14 Nov 2020 11:43 am
Operator : TNL
Sample : 0K13048-IBL9
Misc : 1X 5mL DI 11/15/20 TNL
ALS Vial : 35 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 15 10:23:18 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:27:50 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.150	168	166684	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.716	114	264762	49.53	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.919	174	82259	46.41	ug/L	0.00
9) Toluene-d8 (NR)	8.224	98	291900	0.00	ug/L	0.00
11) Chlorobenzene-d5 (NR)	9.855	117	216919	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.802	150	141775	0.00	ug/L	0.00
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.890	TIC	-23069m	23.74	ug/L	
5) TPHg (C5-C9)	9.890	TIC	-184786m	35.85	ug/L	
6) TPHg (C6-C10)	9.890	TIC	-216345m	46.92	ug/L	
7) CA-LUFT (C5-C12)	9.890	TIC	261006m	38.54	ug/L	

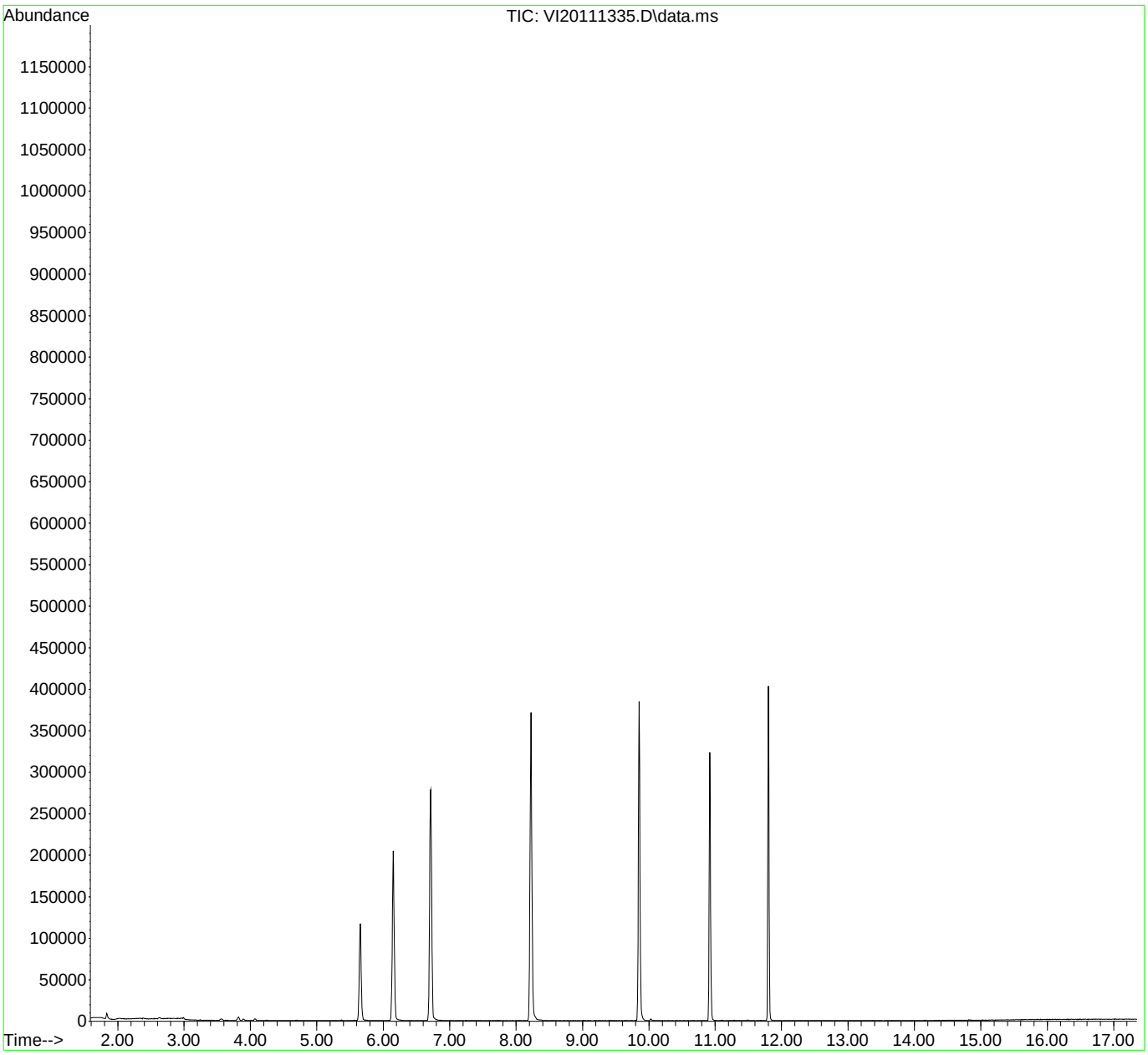
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111335.D
Acq On : 14 Nov 2020 11:43 am
Operator : TNL
Sample : 0K13048-IBL9
Misc : 1X 5mL DI
ALS Vial : 35 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 15 10:23:18 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:27:50 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111336.D
Acq On : 14 Nov 2020 12:10 pm
Operator : TNL
Sample : 0K13048-ICV2
Misc : 1X 5mL 500PPB GX
ALS Vial : 36 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

11/15/20 TNL

Quant Time: Nov 15 10:23:20 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:27:50 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.150	168	171560	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.716	114	273879	49.78	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.920	174	92671	50.80	ug/L	0.00
9) Toluene-d8 (NR)	8.225	98	313108	0.00	ug/L	0.00
11) Chlorobenzene-d5 (NR)	9.855	117	237709	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.802	150	168607	0.00	ug/L	0.00
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.890	TIC	2219851m	475.40	ug/L	
5) TPHg (C5-C9)	9.890	TIC	2526235m	461.87	ug/L	
6) TPHg (C6-C10)	9.890	TIC	2113994m	461.18	ug/L	
7) CA-LUFT (C5-C12)	9.890	TIC	3615067m	472.89	ug/L	

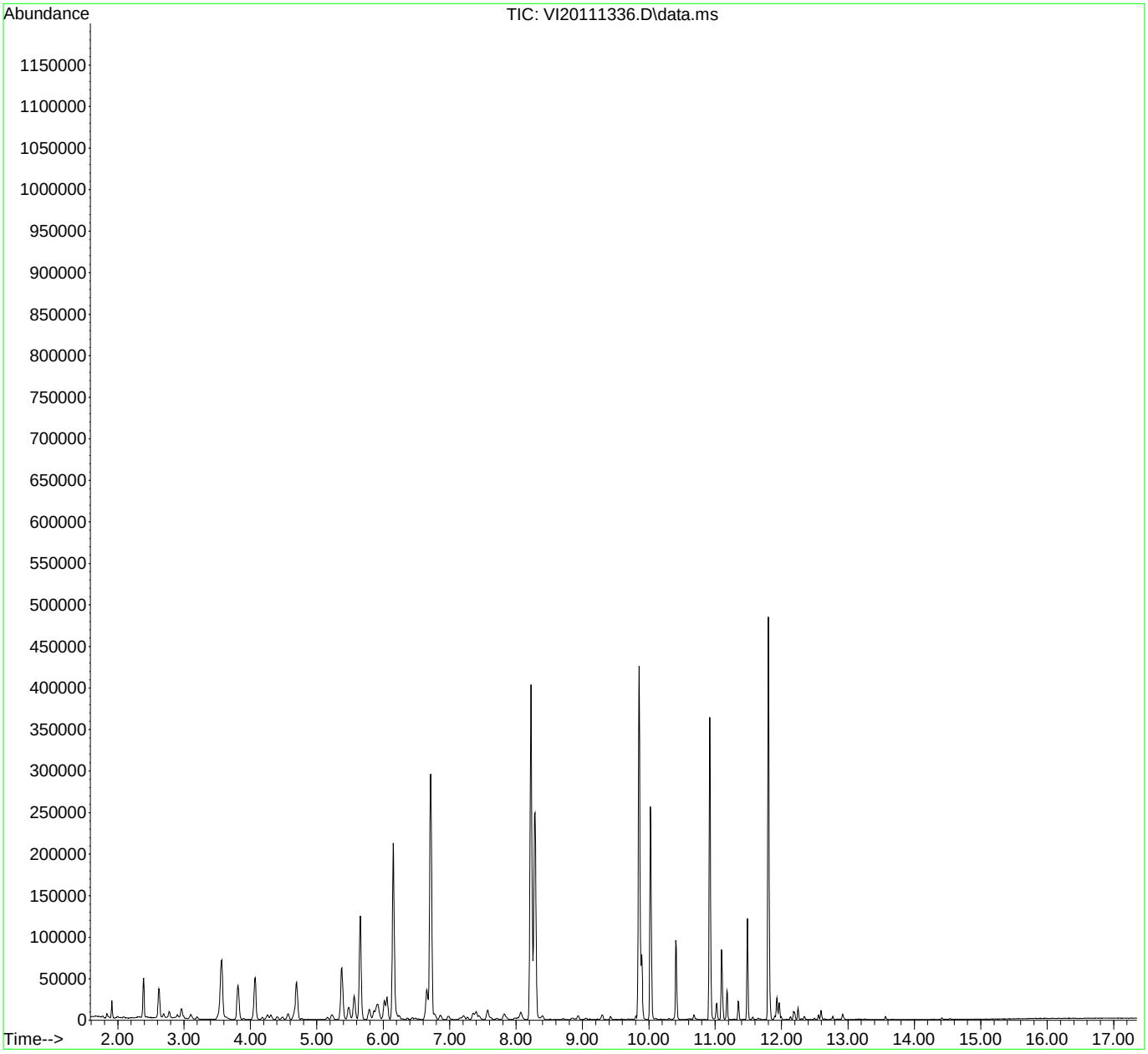
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111336.D
Acq On : 14 Nov 2020 12:10 pm
Operator : TNL
Sample : 0K13048-ICV2
Misc : 1X 5mL 500PPB GX
ALS Vial : 36 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 15 10:23:20 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:27:50 2020
Response via : Initial Calibration

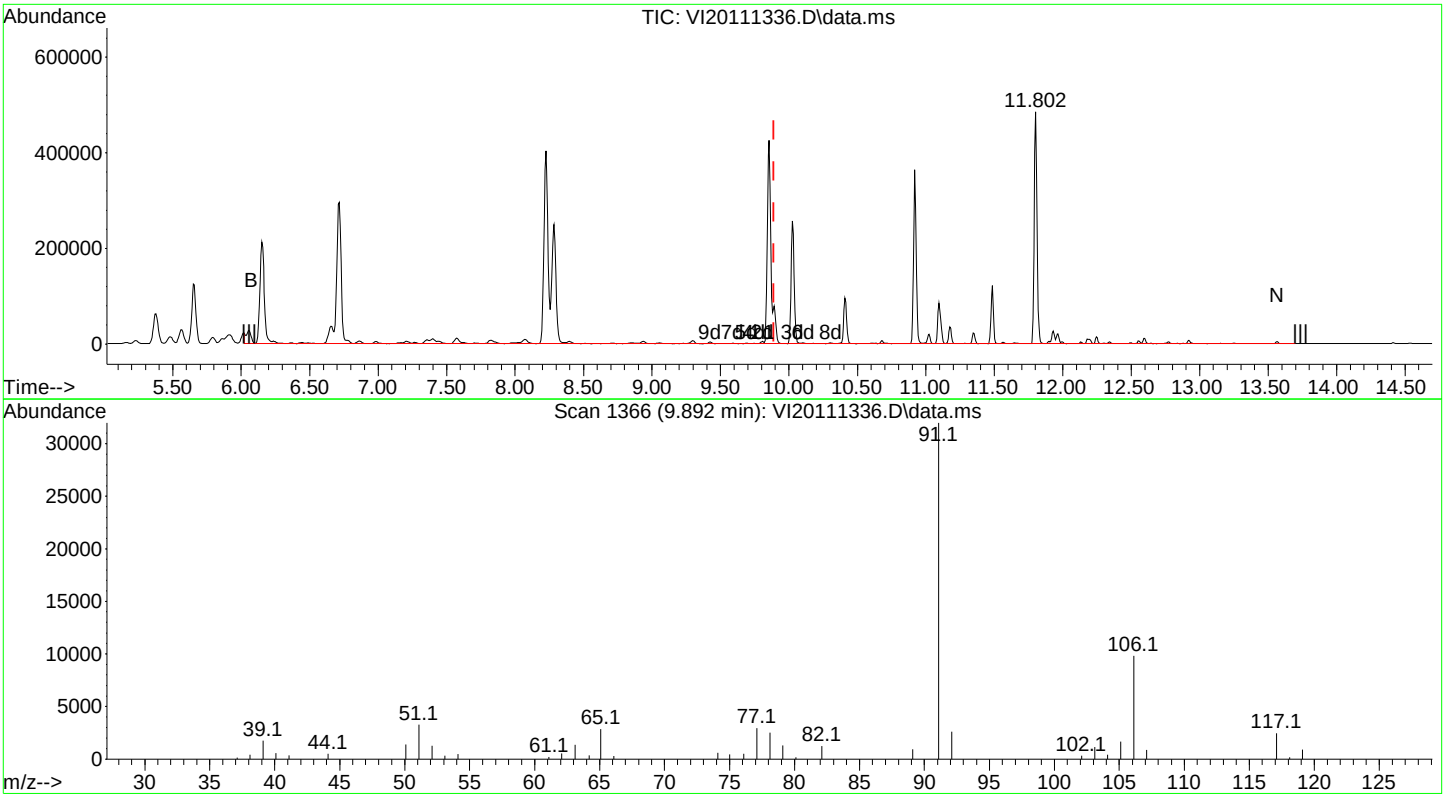


Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111336.D
Acq On : 14 Nov 2020 12:10 pm
Operator : TNL
Sample : 0K13048-ICV2
Misc : 1X 5mL 500PPB GX
ALS Vial : 36 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 15 10:23:20 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:27:50 2020
Response via : Initial Calibration



TIC: VI20111336.D\data.ms

(4) NWTPH-Gx (TPH) (H)

9.890min (0.000) 475.40 ug/L m

response 2219851

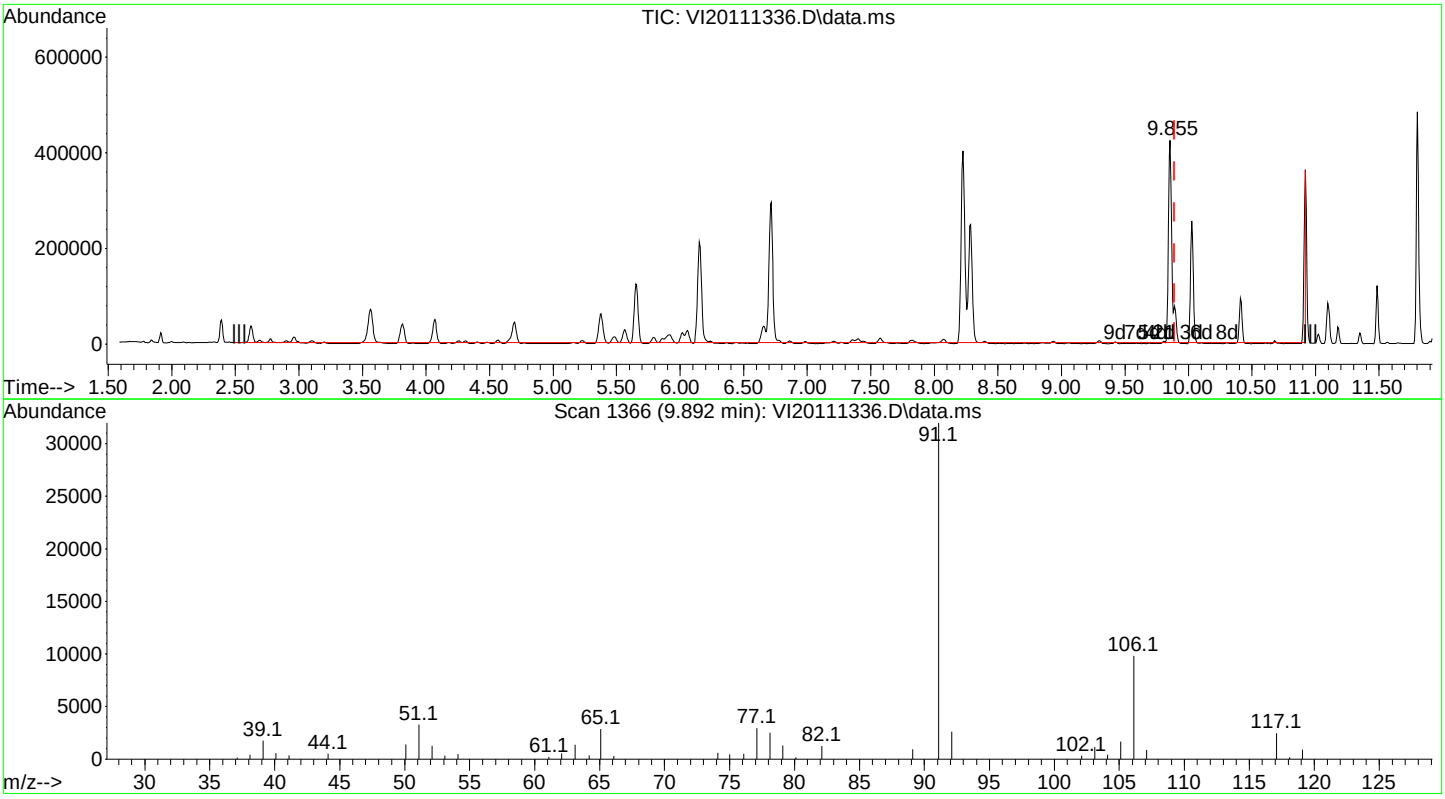
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.01#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111336.D
Acq On : 14 Nov 2020 12:10 pm
Operator : TNL
Sample : 0K13048-ICV2
Misc : 1X 5mL 500PPB GX
ALS Vial : 36 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 15 10:23:20 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:27:50 2020
Response via : Initial Calibration



TIC: VI20111336.D\data.ms

(5) TPHg (C5-C9) (H)

9.890min (0.000) 461.87 ug/L m

response 2526235

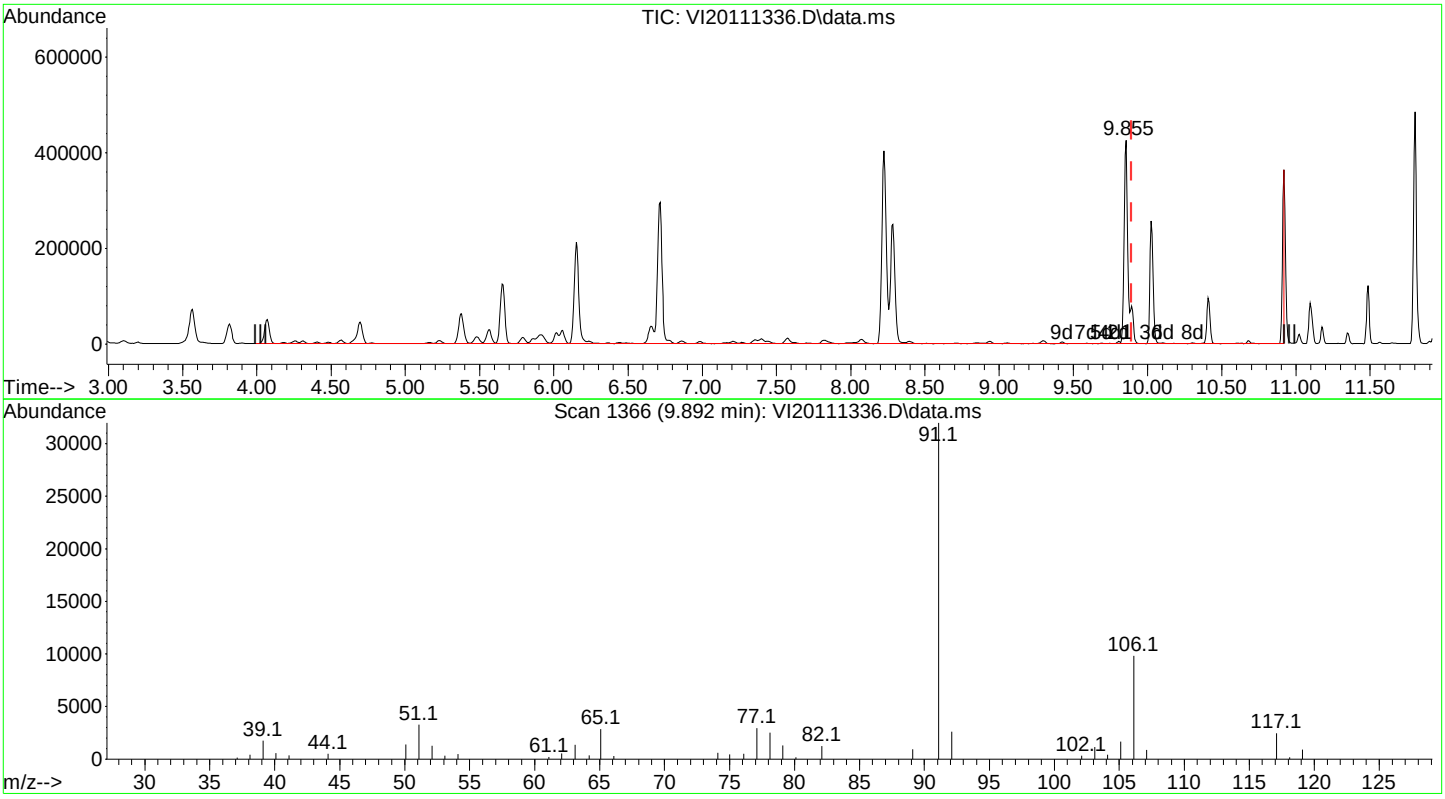
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.01#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111336.D
Acq On : 14 Nov 2020 12:10 pm
Operator : TNL
Sample : 0K13048-ICV2
Misc : 1X 5mL 500PPB GX
ALS Vial : 36 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 15 10:23:20 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:27:50 2020
Response via : Initial Calibration



TIC: VI20111336.D\data.ms

(6) TPHg (C6-C10) (H)
9.890min (0.000) 461.18 ug/L m
response 2113994

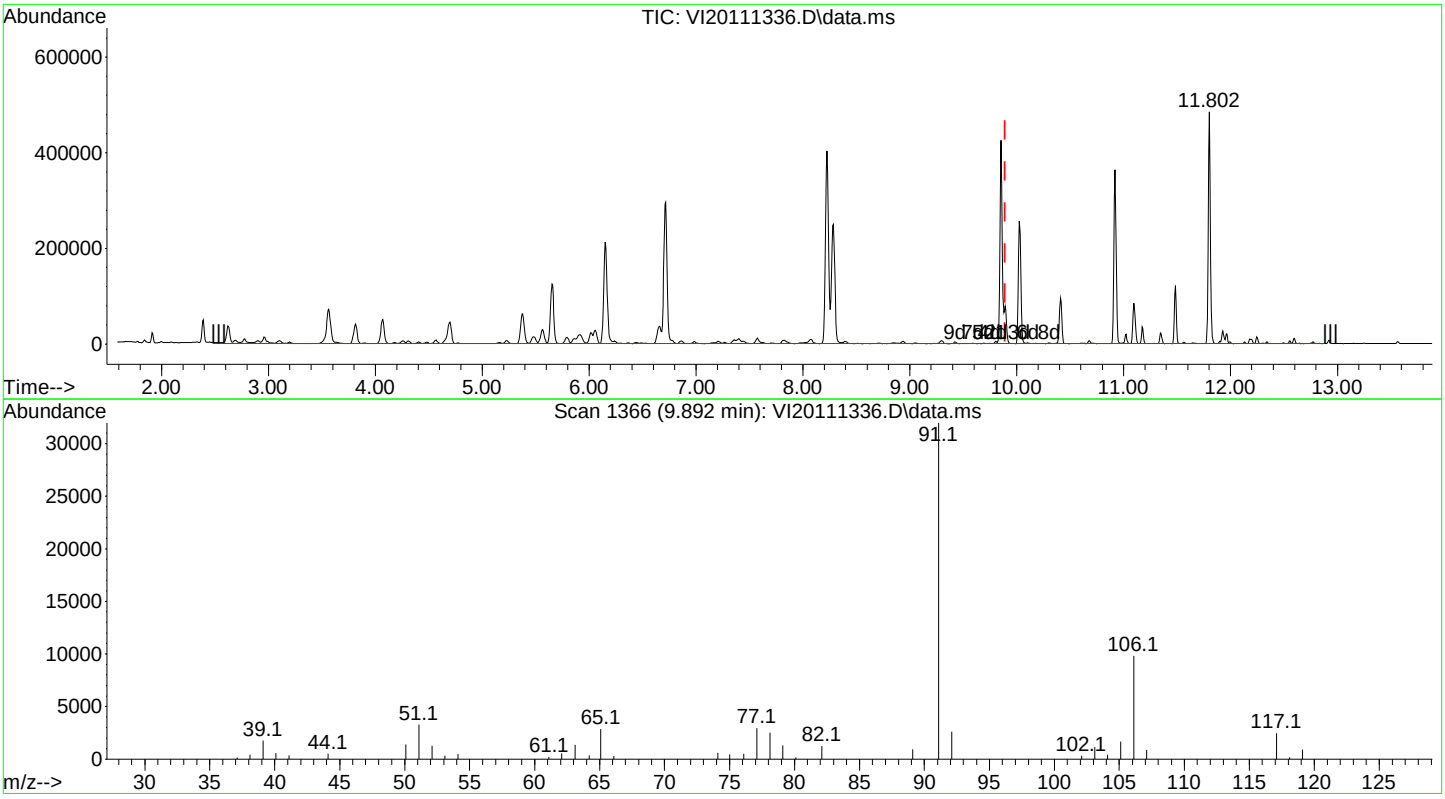
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.01#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111336.D
Acq On : 14 Nov 2020 12:10 pm
Operator : TNL
Sample : 0K13048-ICV2
Misc : 1X 5mL 500PPB GX
ALS Vial : 36 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 15 10:23:20 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:27:50 2020
Response via : Initial Calibration



TIC: VI20111336.D\data.ms

(7) CA-LUFT (C5-C12) (H)
9.890min (0.000) 472.89 ug/L m
response 3615067

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111337.D
Acq On : 14 Nov 2020 12:37 pm
Operator : TNL
Sample : 0K13048-IBLA 11/15/20 TNL
Misc : 1X 5mL DI
ALS Vial : 37 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 15 10:23:23 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:27:50 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.150	168	159276	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.710	114	254899	49.91	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.919	174	80039	47.26	ug/L	0.00
9) Toluene-d8 (NR)	8.224	98	285382	0.00	ug/L	0.00
11) Chlorobenzene-d5 (NR)	9.855	117	211116	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.801	150	141510	0.00	ug/L	0.00
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.890	TIC	-23289m	23.47	ug/L	
5) TPHg (C5-C9)	9.890	TIC	-180159m	35.23	ug/L	
6) TPHg (C6-C10)	9.890	TIC	-213003m	45.72	ug/L	
7) CA-LUFT (C5-C12)	9.890	TIC	252444m	38.97	ug/L	

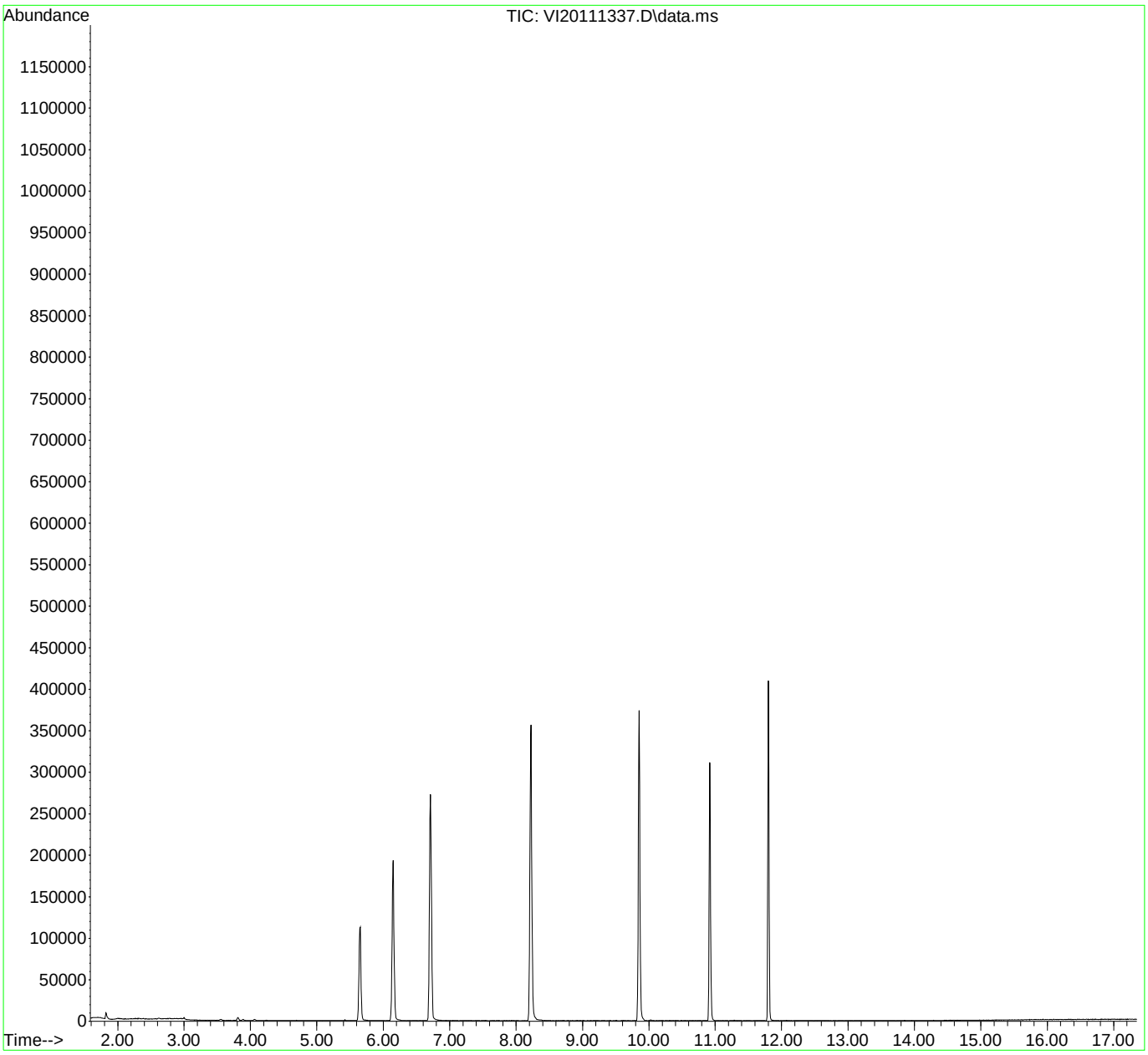
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

InstName : VOA-GCMS9

Data Path : C:\msdchem\1\data\2020-11\0K13048\
Data File : VI20111337.D
Acq On : 14 Nov 2020 12:37 pm
Operator : TNL
Sample : 0K13048-IBLA
Misc : 1X 5mL DI
ALS Vial : 37 Sample Multiplier: 1
DataAcq Meth:VI1611RUN.M

Quant Time: Nov 15 10:23:23 2020
Quant Method : C:\msdchem\1\methods\VI201114G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sat Nov 14 17:27:50 2020
Response via : Initial Calibration



Selected Volatile Organic Compounds by EPA 5035A/8260D
Benchsheet & Analysis Sequence Data (Sediment)

Batch 0110632
Sequence 0K18045 (A0K0482-07,08,09,10,15)

PREPARATION BENCH SHEET

BATCH #: 0110632 (Soil)

Apex Laboratories

Prep Method: EPA 5035A

Lab Number	Cont.	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	ClientID / Sample	Extraction Comments	pH*
0110632-BLK1		QC	11/18/20 09:00	7.5	5							
0110632-BS1		QC	11/18/20 09:00	5	5	A20K254		250				
0110632-BS2		QC	11/18/20 09:00	5	5	A20J281		25				
A0K0477-38	B	8260D BTEX+Halo6	(Date Sampled)	4.47	5					USMPDI-1057SC-B-06-08-2011	FP	
A0K0482-07	B	8260D BTEX+Halo6	(Date Sampled)	5.75	5					USMPDI-003SC-B-00-02-20111	FP	
A0K0482-08	B	8260D BTEX+Halo6	(Date Sampled)	5.18	5					USMPDI-003SC-B-02-04-20111	FP	
A0K0482-09	B	8260D BTEX+Halo6	(Date Sampled)	5.76	5					USMPDI-003SC-B-04-06-20111	FP	
A0K0482-10	C	8260D BTEX+Halo6	(Date Sampled)	4.99	5					USMPDI-003SC-B-06-08-20111	FP	
A0K0482-15	B	8260D BTEX+Halo6	(Date Sampled)	4.49	5					USMPDI-006SC-D-00-02-20111	FP	
A0K0499-01	B	8260D BTEX+N	(Date Sampled)	5.76	5					16590 S@74"	FP	
A0K0553-01	C	NWTPH-Gx	(Date Sampled)	3.58	5					B19-6	FP	
A0K0553-03	C	NWTPH-Gx	(Date Sampled)	5.77	5					B19-15	FP	
A0K0553-31	C	NWTPH-Gx	(Date Sampled)	~~4.96~~ 4.56	5	tnl				B18-3	FP	
A0K0563-01	B	8260D Full List	(Date Sampled)	6.11	5					GP01-S-6.5	FP Added for BatchQC in: 0110632	
A0K0563-01	B	8260D BTEX	(Date Sampled)	6.11	5					GP01-S-6.5	FP	
A0K0563-01	B	8260D BTEX+N	(Date Sampled)	6.11	5					GP01-S-6.5	FP Added for BatchQC in: 0110632	
A0K0563-01	B	8260D BTEX+Halo6	(Date Sampled)	6.11	5					GP01-S-6.5	FP Added for BatchQC in: 0110632	
A0K0563-01	B	NWTPH-Gx	(Date Sampled)	6.11	5					GP01-S-6.5	FP Added for BatchQC in: 0110632	
0110632-DUP1		QC	11/12/20 10:00	5.97	5		A0K0563-01					
A0K0563-03	B	8260D BTEX	(Date Sampled)	6.59	5					GP02-S-7	FP	
A0K0563-05	B	8260D BTEX	(Date Sampled)	6.12	5					GP03-S-6.5	FP	
A0K0563-07	B	8260D BTEX	(Date Sampled)	6.06	5					GP04-S-6.5	FP	

IMA 11/19/20
Prepared By: Date

11/19/20 tnl
Reviewed By: Date

Printed: 11/19/2020 10:08:49AM

PREPARATION BENCH SHEET

BATCH #: 0110632 (Soil)

Apex Laboratories

Prep Method: EPA 5035A

Lab Number	Cont.	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	ClientID / Sample	Extraction Comments	pH*
A0K0563-09	B	8260D Full List	(Date Sampled)	6.57	5					GP05-S-6.5	FP	
A0K0608-01	D	8260D Full List	11/17/20 10:22	5.42	5					SS-1	MOD	
A0K0608-01	D	8260D BTEX	11/17/20 10:22	5.42	5					SS-1	MOD Added for BatchQC in: 0110	
A0K0608-01	D	8260D BTEX+N	11/17/20 10:22	5.42	5					SS-1	MOD Added for BatchQC in: 0110	
A0K0608-01	D	8260D BTEX+Halo6	11/17/20 10:22	5.42	5					SS-1	MOD Added for BatchQC in: 0110	
A0K0608-01	D	NWTPH-Gx	11/17/20 10:22	5.42	5					SS-1	MOD	
0110632-MS1		QC	11/17/20 10:22	5.42	5	A20K254	A0K0608-01	281			DW = 88.7% @50X	
A0K0608-02	C	8260D Full List	11/17/20 10:22	5.66	5					SS-2	MOD	
A0K0608-02	C	NWTPH-Gx	11/17/20 10:22	5.66	5					SS-2	MOD	
A0K0626-01	C	8260D Full List	11/17/20 14:24	5.59	5					7233 SS1 Shop	MOD	
A0K0626-02	C	8260D Full List	11/17/20 14:24	5.24	5					7233 SS2 Crusher	MOD	
A0K0626-03	C	8260D Full List	11/17/20 14:24	5.03	5					7233 SS3 Fence	MOD	

*pH <2 verified_____

Standards/Reagents

Reagent(s)

Std ID	Exp. Date	Description
A18J327	11/30/23	Balance s/n 593312
A20I374	03/24/21	Methanol - Fisher (P/T) #198330

Analyte Spike(s)

Std ID	Exp. Date	Description
A20J281	04/14/21	Prime. NWTPH-Gx stock (5000 ug/mL)
A20K254	11/30/20	8260 Cal. Std. B VOCR+OXY Spike (20-40ug/n

Surrogate(s)

Std ID	Exp. Date	Description

SOIL MS11

Prepared By: Date

Reviewed By: Date

Volatile Soils Matrix Spike Volume Calculation (Validated 5/3/2013)
Enter the Spike Amount value into the Bench Sheet to ensure correct MS/MSD recoveries.

Batch: 110632

Matrix Spike

Sample Weight	Final Volume	Dilution	Dry Weight
g	mL		%
5.420	5	50	88.7

Final Spike Level	**Spike Amount**
ug/kg	**ul**
1167.43	**281**

Assumptions:
Spiking Solution = 20ug/mL
Spike Amount into 50mL = 50ul
Dilution = 1mL of MeOH to 50mL of water
Initial Spike Concentration = 20ug/L

A0K0608-01

IMA
11/19/20

Worksheet

5035 Field Prep Worksheet (Validated 7/11/16)

Sample ID	Container	Container Weight (g)	Tare Weight (g)	Net Sample Weight (g)	Formula Check
A0K0477-38	B	37.7	33.23	4.47	
A0K0482-07	B	39.06	33.31	5.75	
8	B	38.5	33.32	5.18	
9	B	38.58	32.82	5.76	
10	C	37.96	32.97	4.99	
15	B	37.53	33.04	4.49	
A0K0499-01	B	38.44	32.68	5.76	
A0K0533-01	C	36.16	32.58	3.58	
3	C	38.88	33.11	5.77	
31	C	37.46	32.5	4.96	4.56 tm1
A0K0563-01	B	39.42	33.31	6.11	
1	C	39.29	33.32	5.97	
3	B	39.69	33.1	6.59	
5	B	39.18	33.06	6.12	
7	B	39.55	33.49	6.06	
9	B	39.8	33.23	6.57	
				0	
				0	
				0	
				0	
				0	
				0	
				0	
				0	
				0	
				0	

IMA
11/19/20

A0K0477

5035 Container Prep Worksheet
~Field MeOH Preserved~

(Prepared = Sampled Date/Time)

A0K0477-38	USMPDI-1057SC-B-06-08-201109	Sampled: 11/09/20 09:20

		Container Weight (g)	Tare Weight (g)	Volume MeOH (mL)	Notes:
B Sediment	40 mL VOA - 5035 (MeOH)	37.70	33.23	(5) 10 15 Other	
C Sediment	40 mL VOA - 5035 (MeOH)	38.13	33.22	(5) 10 15 Other	

BTEX + HALO6 Due: TAT:

Weighed by: AKF @ 1440 11/12/20

Methanol Reagent ID: A20G160~ Balance ID: A18J327~

Print Date (11/12/2020) 1:13:55PM

A0K0482

5035 Container Prep Worksheet
~Field MeOH Preserved~

(Prepared = Sampled Date/Time)

A0K0482-07 USMPDI-003SC-B-00-02-201110 Sampled: **11/10/20 11:55**

B Sediment	40 mL VOA - 5035 (MeOH)	Container Weight (g): 39.06	Tare Weight (g): 33.31	Volume MeOH (mL): (5) 10 15 Other	Notes:
C Sediment	40 mL VOA - 5035 (MeOH)	Container Weight (g): 39.33	Tare Weight (g): 33.24	Volume MeOH (mL): (5) 10 15 Other	Notes:

BTEX + HALO6 Due: TAT:

A0K0482-08 USMPDI-003SC-B-02-04-201110 Sampled: **11/10/20 11:55**

B Sediment	40 mL VOA - 5035 (MeOH)	Container Weight (g): 38.50	Tare Weight (g): 33.32	Volume MeOH (mL): (5) 10 15 Other	Notes:
C Sediment	40 mL VOA - 5035 (MeOH)	Container Weight (g): 37.73	Tare Weight (g): 33.05	Volume MeOH (mL): (5) 10 15 Other	Notes:

Due: TAT:

A0K0482-09 USMPDI-003SC-B-04-06-201110 Sampled: **11/10/20 11:55**

B Sediment	40 mL VOA - 5035 (MeOH)	Container Weight (g): 38.58	Tare Weight (g): 32.82	Volume MeOH (mL): (5) 10 15 Other	Notes:
C Sediment	40 mL VOA - 5035 (MeOH)	Container Weight (g): 39.53	Tare Weight (g): 33.18	Volume MeOH (mL): (5) 10 15 Other	Notes:

Due: TAT:

A0K0482-10 USMPDI-003SC-B-06-08-201110 Sampled: **11/10/20 11:55**

C Sediment	40 mL VOA - 5035 (MeOH)	Container Weight (g): 37.96	Tare Weight (g): 32.97	Volume MeOH (mL): (5) 10 15 Other	Notes:
D Sediment	40 mL VOA - 5035 (MeOH)	Container Weight (g): 39.26	Tare Weight (g): 33.17	Volume MeOH (mL): (5) 10 15 Other	Notes:

Due: TAT:

A0K0482-15 USMPDI-006SC-D-00-02-201110 Sampled: **11/10/20 09:05**

B Sediment	40 mL VOA - 5035 (MeOH)	Container Weight (g): 37.53	Tare Weight (g): 33.04	Volume MeOH (mL): (5) 10 15 Other	Notes:
C Sediment	40 mL VOA - 5035 (MeOH)	Container Weight (g): 37.59	Tare Weight (g): 32.95	Volume MeOH (mL): (5) 10 15 Other	Notes:

Due: TAT:

Weighed by: APC @ 1626 11/12/20

Methanol Reagent ID: A20G160~ Balance ID: A18J327~

A0K0499

5035 Container Prep Worksheet
~Field MeOH Preserved~

(Prepared = Sampled Date/Time)

A0K0499-01	16590 S@74"	Sampled: 11/12/20 12:30

B Soil	40 mL VOA - 5035 (MeOH)	Container Weight (g)	Tare Weight (g)	Volume MeOH (mL)	Notes:
		38.44	32.68	(5) 10 15 Other	Dx@24700

BTEX+N

Due: TAT:

Weighed by: AKL @ 1835 11/12/20

Methanol Reagent ID: A20G160~ Balance ID: A18J327~

A0K0553

5035 Container Prep Worksheet
~Field MeOH Preserved~

(Prepared = Sampled Date/Time)

A0K0553-01 — **B19-6** — Sampled: **11/11/20 12:50**

		Container Weight (g)	Tare Weight (g)	Volume MeOH (mL)	Notes:
C Soil	40 mL VOA - 5035 (MeOH)	36.16	32.58	5 10 15 Other	
D Soil	40 mL VOA - 5035 (MeOH)	34.62	33.25	5 10 15 Other	DO NOT USE

Due: TAT: Gx

A0K0553-02 — **B19-10** — Sampled: **11/11/20 12:55**

		Container Weight (g)	Tare Weight (g)	Volume MeOH (mL)	Notes:
C Soil	40 mL VOA - 5035 (MeOH)	38.09	33.44	5 10 15 Other	
D Soil	40 mL VOA - 5035 (MeOH)	34.25	33.41	5 10 15 Other	

Due: TAT:

A0K0553-03 — **B19-15** — Sampled: **11/11/20 13:00**

		Container Weight (g)	Tare Weight (g)	Volume MeOH (mL)	Notes:
C Soil	40 mL VOA - 5035 (MeOH)	38.88	33.11	5 10 15 Other	
D Soil	40 mL VOA - 5035 (MeOH)	37.60	33.22	5 10 15 Other	

Due: TAT: Gx

A0K0553-04 — **B20-3** — Sampled: **11/12/20 09:05**

		Container Weight (g)	Tare Weight (g)	Volume MeOH (mL)	Notes:
C Soil	40 mL VOA - 5035 (MeOH)	37.52	33.26	5 10 15 Other	
D Soil	40 mL VOA - 5035 (MeOH)	37.18	32.97	5 10 15 Other	

Due: TAT:

A0K0553-05 — **B20-5** — Sampled: **11/12/20 09:10**

		Container Weight (g)	Tare Weight (g)	Volume MeOH (mL)	Notes:
C Soil	40 mL VOA - 5035 (MeOH)	37.35	33.51	5 10 15 Other	
D Soil	40 mL VOA - 5035 (MeOH)	37.89	33.11	5 10 15 Other	

Due: TAT:

Weighed by: WS @ 11/13/20 9:07

Methanol Reagent ID: A20G160~ Balance ID: A18J327~

A0K0553

5035 Container Prep Worksheet
~Field MeOH Preserved~

(Prepared = Sampled Date/Time)

A0K0553-31		B18-3			Sampled:	11/11/20 10:55
C Soil	40 mL VOA - 5035 (MeOH)	Container Weight (g): 37.46	Tare Weight (g): 32.90	Volume MeOH (mL): 5 10 15 Other	Notes:	
D Soil	40 mL VOA - 5035 (MeOH)	Container Weight (g): 36.93	Tare Weight (g): 32.40	Volume MeOH (mL): 5 10 15 Other	Notes:	
GX		Due:	TAT:			

Weighed by: MS @ 11/13/20 9:07

Methanol Reagent ID: A20G160~ Balance ID: A18J327~

A0K0563

5035 Container Prep Worksheet
~Field MeOH Preserved~

(Prepared = Sampled Date/Time)

A0K0563-01 GP01-S-6.5 Sampled: 11/12/20 10:00

			Container Weight (g)	Tare Weight (g)	Volume MeOH (mL)	Notes:
B	Soil	40 mL VOA - 5035 (MeOH)	39.42	33.31	(5) 10 15 Other	
C	Soil	40 mL VOA - 5035 (MeOH)	39.29	33.32	(5) 10 15 Other	DUP

BTEX Due: TAT:

A0K0563-02 GP01-S-14.5 Sampled: 11/12/20 10:15

			Container Weight (g)	Tare Weight (g)	Volume MeOH (mL)	Notes:
B	Soil	40 mL VOA - 5035 (MeOH)	39.64	33.29	(5) 10 15 Other	
C	Soil	40 mL VOA - 5035 (MeOH)	39.43	32.87	(5) 10 15 Other	

Due: TAT:

A0K0563-03 GP02-S-7 Sampled: 11/12/20 11:15

			Container Weight (g)	Tare Weight (g)	Volume MeOH (mL)	Notes:
B	Soil	40 mL VOA - 5035 (MeOH)	39.69	33.10	(5) 10 15 Other	
C	Soil	40 mL VOA - 5035 (MeOH)	39.63	33.12	(5) 10 15 Other	

BTEX Due: TAT:

A0K0563-04 GP02-S-14.5 Sampled: 11/12/20 11:25

			Container Weight (g)	Tare Weight (g)	Volume MeOH (mL)	Notes:
B	Soil	40 mL VOA - 5035 (MeOH)	39.60	33.45	(5) 10 15 Other	
C	Soil	40 mL VOA - 5035 (MeOH)	39.42	33.11	(5) 10 15 Other	

Due: TAT:

A0K0563-05 GP03-S-6.5 Sampled: 11/12/20 12:10

			Container Weight (g)	Tare Weight (g)	Volume MeOH (mL)	Notes:
B	Soil	40 mL VOA - 5035 (MeOH)	39.18	33.06	(5) 10 15 Other	
C	Soil	40 mL VOA - 5035 (MeOH)	39.08	32.98	(5) 10 15 Other	

BTEX Due: TAT:

Weighed by: [illegible] @ 11-14-20 13:16

Methanol Reagent ID: A20G160~ Balance ID: A18J327~

A0K0563

5035 Container Prep Worksheet
~Field MeOH Preserved~

(Prepared = Sampled Date/Time)

A0K0563-06 — **GP03-S-14.5** — Sampled: **11/12/20 12:15**

			Container Weight (g)	Tare Weight (g)	Volume MeOH (mL)	Notes:
B	Soil	40 mL VOA - 5035 (MeOH)	39.19	33.04	5 10 15 Other	
C	Soil	40 mL VOA - 5035 (MeOH)	39.24	33.45	5 10 15 Other	

Due: TAT:

A0K0563-07 — **GP04-S-6.5** — Sampled: **11/12/20 12:55**

			Container Weight (g)	Tare Weight (g)	Volume MeOH (mL)	Notes:
B	Soil	40 mL VOA - 5035 (MeOH)	39.55	33.49	5 10 15 Other	
C	Soil	40 mL VOA - 5035 (MeOH)	39.08	33.05	5 10 15 Other	

BTEX

Due: TAT:

A0K0563-08 — **GP04-S-14.5** — Sampled: **11/12/20 13:05**

			Container Weight (g)	Tare Weight (g)	Volume MeOH (mL)	Notes:
B	Soil	40 mL VOA - 5035 (MeOH)	38.58	33.13	5 10 15 Other	
C	Soil	40 mL VOA - 5035 (MeOH)	39.58	33.40	5 10 15 Other	

Due: TAT:

A0K0563-09 — **GP05-S-6.5** — Sampled: **11/12/20 13:50**

			Container Weight (g)	Tare Weight (g)	Volume MeOH (mL)	Notes:
B	Soil	40 mL VOA - 5035 (MeOH)	39.80	33.23	5 10 15 Other	
C	Soil	40 mL VOA - 5035 (MeOH)	38.84	33.21	5 10 15 Other	

DMA 11/18/20 ~~BTEX~~ 8260

Due: TAT:

A0K0563-10 — **GP05-S-14.0** — Sampled: **11/12/20 14:05**

			Container Weight (g)	Tare Weight (g)	Volume MeOH (mL)	Notes:
B	Soil	40 mL VOA - 5035 (MeOH)	39.23	33.42	5 10 15 Other	
C	Soil	40 mL VOA - 5035 (MeOH)	39.24	32.91	5 10 15 Other	

Due: TAT:

Weighed by: [illegible] @ 11-14-20 13:16

Methanol Reagent ID: A20G160~ Balance ID: A18J327~

A0K0608

5035 Container Prep Worksheet
~Soil Jar Extraction~

A0K0608-01	SS-1							Sampled: 11/16/20 13:30
D Soil	40 mL VOA - In House Prep - 5035 (MeOH)	Container Used: A	Sample Weight (g): 5.42	Volume MeOH (mL): (5) 10 15	Prepared By: SO	Prepared date/time: @ 11/17/20 1022	Within 48 hours? Y N	Notes: MS, Mod, rocky
E Soil	40 mL VOA - In House Prep - 5035 (MeOH)	Container Used: A	Sample Weight (g): 5.45	Volume MeOH (mL): (5) 10 15	Prepared By: SO	Prepared date/time: @ 11/17/20 1022	Within 48 hours? Y N	Notes: Mod, rocky, dup

8260D Full List	Expires: 11/18/20 13:30	Due: 11/19/20 17:00
NWTPH-Gx	Expires: 11/18/20 13:30	Due: 11/19/20 17:00

A0K0608-02	SS-2							Sampled: 11/16/20 13:45
C Soil	40 mL VOA - In House Prep - 5035 (MeOH)	Container Used: A	Sample Weight (g): 5.66	Volume MeOH (mL): (5) 10 15	Prepared By: SO	Prepared date/time: @ 11/17/20 1022	Within 48 hours? Y N	Notes:

8260D Full List	Expires: 11/18/20 13:45	Due: 11/19/20 17:00
NWTPH-Gx	Expires: 11/18/20 13:45	Due: 11/19/20 17:00

Methanol Reagent ID: A20G160~ Balance ID: A18J327~

A0K0626

5035 Container Prep Worksheet
~Soil Jar Extraction~

A0K0626-01	7233 SS1 Shop	Sampled: 11/17/20 00:00

		Container Used	Sample Weight (g)	Volume MeOH (mL)	Prepared By:	Prepared date/time	Within 48 hours?	Notes:
C Soil	40 mL VOA - In House Prep - 5035 (MeOH)	A	5.59	(5) 10 15	TM	@ 11-17-20 14:24	(Y) N	MOD

8260D Full List — Expires: 11/19/20 00:00 — Due: 11/23/20 17:00

A0K0626-02	7233 SS2 Crusher	Sampled: 11/17/20 00:00

		Container Used	Sample Weight (g)	Volume MeOH (mL)	Prepared By:	Prepared date/time	Within 48 hours?	Notes:
C Soil	40 mL VOA - In House Prep - 5035 (MeOH)	A	5.24	(5) 10 15	TM	@ 11-17-20 14:24	(Y) N	MOD

8260D Full List — Expires: 11/19/20 00:00 — Due: 11/23/20 17:00

A0K0626-03	7233 SS3 Fence	Sampled: 11/17/20 00:00

		Container Used	Sample Weight (g)	Volume MeOH (mL)	Prepared By:	Prepared date/time	Within 48 hours?	Notes:
C Soil	40 mL VOA - In House Prep - 5035 (MeOH)	A	5.03	(5) 10 15	TM	@ 11-17-20 14:24	(Y) N	MOD

8260D Full List — Expires: 11/19/20 00:00 — Due: 11/23/20 17:00

Methanol Reagent ID: A20G160~ Balance ID: A18J327~

ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: 0K18045 Instrument: VOA-GCMS11

Date: **11/18/20 08:46** Calibration: **A0K1605**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0K18045-IBL1	Soil	QC	QC			A20H141	
2	0K18045-TUN1	Soil	QC	QC			A20H141	
3	0K18045-CCV1	Soil	QC	QC			A20H141	
4	0110632-BS1	Soil	QC	QC		0110632	A20H141	
5	0K18045-CCV2	Soil	QC	QC			A20H141	
6	0110632-BS2	Soil	QC	QC		0110632	A20H141	
7	0110632-BLK1	Soil	QC	QC		0110632	A20H141	
8	A0K0553-01	Soil	NWTPH-Gx		11/20/20	0110632	A20H141	
9	A0K0553-03	Soil	NWTPH-Gx		11/20/20	0110632	A20H141	
10	A0K0553-31	Soil	NWTPH-Gx		11/20/20	0110632	A20H141	
11	A0K0563-01	Soil	8260D BTEX		11/20/20	0110632	A20H141	
"	"	Soil	8260D Full List	(QC Source)		0110632	A20H141	
"	"	Soil	8260D BTEX+N	(QC Source)		0110632	A20H141	
"	"	Soil	8260D BTEX+Halo6	(QC Source)		0110632	A20H141	
"	"	Soil	NWTPH-Gx	(QC Source)		0110632	A20H141	
12	0110632-DUP1	Soil	QC	QC		0110632	A20H141	
13	A0K0563-03	Soil	8260D BTEX		11/20/20	0110632	A20H141	
14	A0K0563-05	Soil	8260D BTEX		11/20/20	0110632	A20H141	
15	A0K0563-07	Soil	8260D BTEX		11/20/20	0110632	A20H141	
16	A0K0563-09	Soil	8260D Full List		11/20/20	0110632	A20H141	
17	A0K0608-02	Soil	8260D Full List		11/19/20	0110632	A20H141	
"	"	Soil	NWTPH-Gx		11/19/20	0110632	A20H141	
18	A0K0608-01	Soil	8260D Full List		11/19/20	0110632	A20H141	
"	"	Soil	NWTPH-Gx		11/19/20	0110632	A20H141	
"	"	Soil	8260D BTEX	(QC Source)		0110632	A20H141	
"	"	Soil	8260D BTEX+N	(QC Source)		0110632	A20H141	
"	"	Soil	8260D BTEX+Halo6	(QC Source)		0110632	A20H141	
19	0110632-MS1	Soil	QC	QC		0110632	A20H141	
20	0K18045-IBL2	Soil	QC	QC			A20H141	
21	A0K0499-01	Soil	8260D BTEX+N		11/19/20	0110632	A20H141	
22	0K18045-IBL3	Soil	QC	QC			A20H141	
23	A0K0477-38	Soil	8260D BTEX+Halo6	Anchor QEA, LLC	11/23/20	0110632	A20H141	
24	A0K0482-07	Soil	8260D BTEX+Halo6	Anchor QEA, LLC	11/24/20	0110632	A20H141	
25	A0K0482-08	Soil	8260D BTEX+Halo6	Anchor QEA, LLC	11/24/20	0110632	A20H141	
26	A0K0482-09	Soil	8260D BTEX+Halo6	Anchor QEA, LLC	11/24/20	0110632	A20H141	
27	A0K0482-10	Soil	8260D BTEX+Halo6	Anchor QEA, LLC	11/24/20	0110632	A20H141	
28	A0K0482-15	Soil	8260D BTEX+Halo6	Anchor QEA, LLC	11/24/20	0110632	A20H141	
29	A0K0626-01	Soil	8260D Full List		11/23/20	0110632	A20H141	
30	A0K0626-02	Soil	8260D Full List		11/23/20	0110632	A20H141	
31	A0K0626-03	Soil	8260D Full List		11/23/20	0110632	A20H141	
32	0K18045-IBL4	Soil	QC	QC			A20H141	

Data Entered By/Date: IMA 11/19/20

Data Reviewed By/Date: mm 11/19/20

Comments:

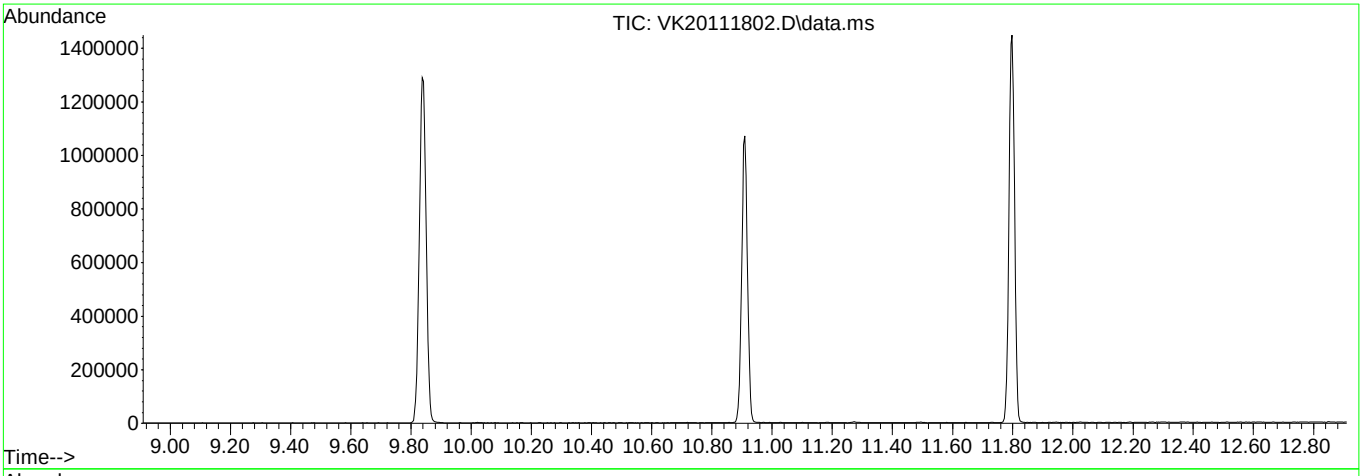
BFB

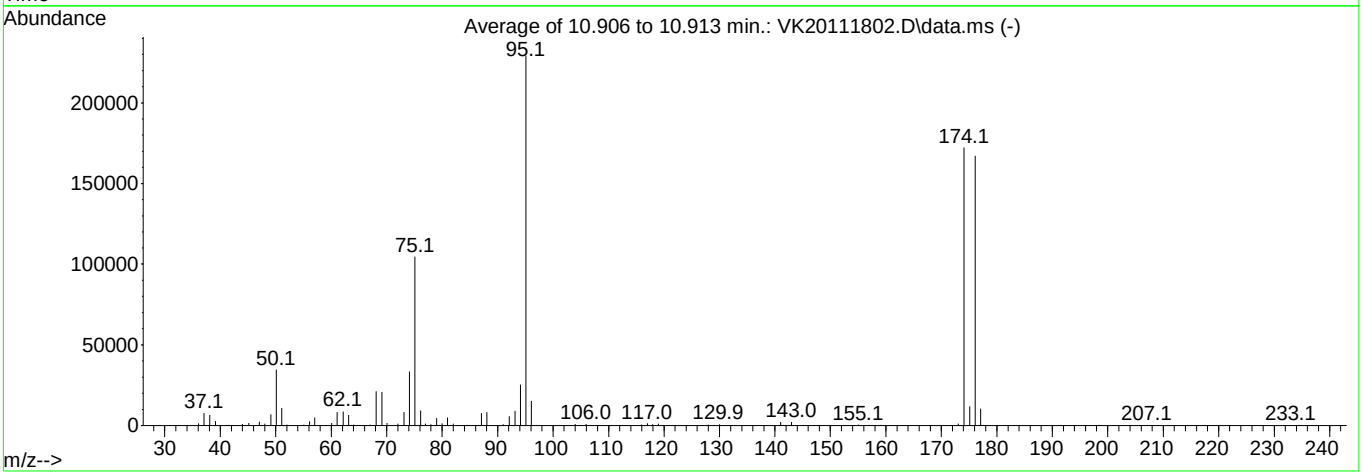
Data Path : C:\GCMS\1\data\2020-11\0K18045\
Data File : VK20111802.D
Acq On : 18 Nov 2020 09:35 am
Operator : PS
Sample : 0K18045-TUN1
Misc : A20H140 IS/SURR
ALS Vial : 2 Sample Multiplier: 1

IMA
11/19/20

Integration File: RTEINT.P

Method : C:\GCMS\1\methods\VK201115S.M
Title : EPA 8260C: Volatile Organic Compounds
Last Update : Sun Nov 15 15:53:18 2020





AutoFind: Scans 2486, 2487, 2488; Background Corrected with Scan 2475

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	174	50	200	133.0	229227	PASS
96	95	5	9	6.6	15211	PASS
173	174	0.00	2	0.7	1167	PASS
174	95	50	200	75.2	172288	PASS
175	174	5	9	6.8	11744	PASS
176	174	95	105	97.1	167211	PASS
177	176	5	10	6.3	10568	PASS

Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K18045\
Data File : VK20111802.D
Acq On : 18 Nov 2020 09:35 am
Operator : PS
Sample : 0K18045-TUN1
Misc : A20H140 IS/SURR
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 10:10:59 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Sun Nov 15 15:53:18 2020
Response via : Initial Calibration

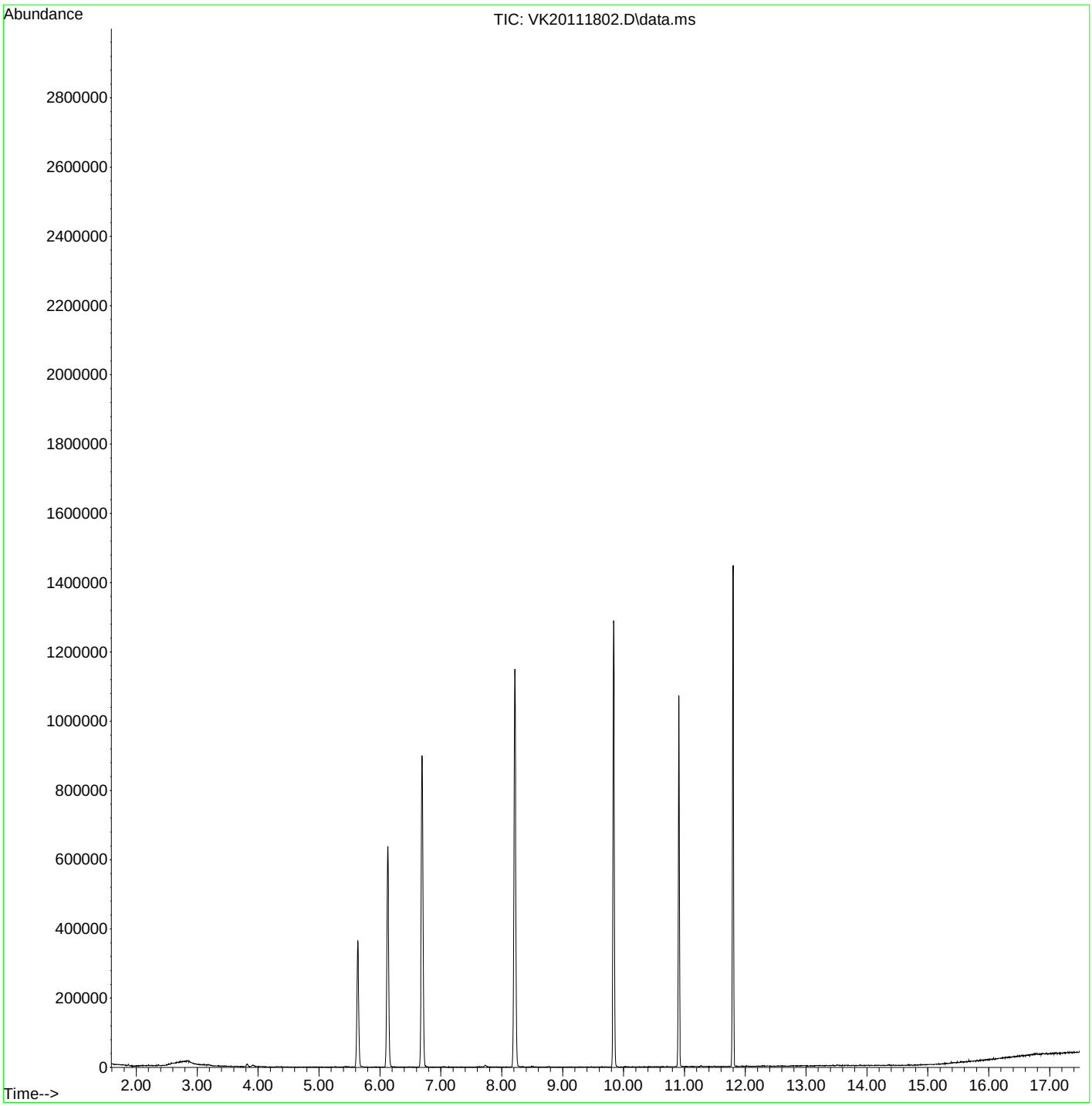
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.126	99	264516	50.00	ug/L	#	0.00
43) Chlorobenzene-d5 (I)	9.841	117	722011	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.798	152	319443	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.635	111	234969	49.35	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.692	114	826176	48.95	ug/L		0.00
45) Toluene-d8 (S)	8.214	98	878563	49.23	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.910	174	242387	48.30	ug/L		0.00
Target Compounds							Qvalue
3) Chloromethane	1.917	50	540	0.13	ug/L		86
5) Bromomethane	2.366	96	1174	0.90	ug/L		90
8) Ethanol	3.420	45	136	Below Cal		#	29
12) Iodomethane	3.341	142	200	0.87	ug/L	#	47
13) Methylene Chloride	3.821	84	4647	1.28	ug/L		83
14) Acetone	3.911	43	4327	2.93	ug/L		86
18) tert-Butanol (TBA)	4.334	59	737	1.03	ug/L	#	95
36) iso-Butyl Alcohol	6.381	43	49	0.19	ug/L	#	18

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K18045\
Data File : VK20111802.D
Acq On : 18 Nov 2020 09:35 am
Operator : PS
Sample : 0K18045-TUN1
Misc : A20H140 IS/SURR
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 10:10:59 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Sun Nov 15 15:53:18 2020
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data Path : C:\GCMS\1\data\2020-11\0K18045\
Data File : VK20111803.D
Acq On : 18 Nov 2020 10:02 am
Operator : PS
Sample : 0110632-BS1
Misc : 50X 5g/5mL 1000uL/50mL A20K254 VOCO+MeOH
ALS Vial : 3 Sample Multiplier: 1

IMA
11/19/20

Quant Time: Nov 19 10:11:22 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Sun Nov 15 15:53:18 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene (I)	50.000	50.000	0.0	92	0.00
2		Dichlorodifluoromethane	20.000	18.417	7.9	90	0.00
3	P	Chloromethane	20.000	17.087	14.6	87	0.00
4	C	Vinyl Chloride	20.000	20.109	-0.5	104	0.00
5		Bromomethane	20.000	24.235	-21.2#	110	0.00
6		Chloroethane	20.000	22.003	-10.0	116	-0.01
7		Trichlorofluoromethane	20.000	22.342	-11.7	112	0.00
8		Ethanol	1250.000	1467.471	-17.4	114	0.04
9	C	1,1-Dichloroethene	20.000	22.209	-11.0	86	0.00
10		Carbon Disulfide	20.000	21.223	-6.1	84	0.00
11		Freon 113	20.000	23.996	-20.0	102	0.00
12		Iodomethane	20.000	18.757	6.2	89	-0.01
13		Methylene Chloride	20.000	21.315	-6.6	95	0.00
14		Acetone	40.000	42.341	-5.9	104	0.00
15		t-1,2-Dichloroethene	20.000	19.738	1.3	93	0.00
16		n-Hexane	20.000	23.967	-19.8	106	0.00
17		Methyl-tert-butyl-ether	20.000	19.022	4.9	94	0.00
18		tert-Butanol (TBA)	1250.000	1213.913	2.9	99	0.03
19		Diisopropyl ether (DIPE)	5.000	5.020	-0.4	93	0.00
20	P	1,1-Dichloroethane	20.000	19.719	1.4	93	0.00
21		Acrylonitrile	20.000	19.066	4.7	94	0.00
22		Ethyl-tert-butyl ether (ETB	5.000	4.874	2.5	94	0.00
23		c-1,2-Dichloroethene	20.000	19.539	2.3	91	0.00
24		2,2-Dichloropropane	20.000	24.861	-24.3#	125	0.00
25		Bromochloromethane	20.000	19.950	0.3	92	0.00
26	C	Chloroform	20.000	19.388	3.1	93	0.00
27		Carbon Tetrachloride	20.000	21.465	-7.3	103	0.00
28		Tetrahydrofuran	20.000	18.561	7.2	87	0.00
29		1,1,1-Trichloroethane	20.000	20.312	-1.6	95	0.00
30	S	Dibromofluoromethane (S)	50.000	51.408	-2.8	94	0.00
31		1,1-Dichloropropene	20.000	19.543	2.3	92	0.00
32		2-Butanone (MEK)	40.000	41.195	-3.0	95	0.00
33		Benzene	20.000	19.122	4.4	91	0.00
34		tert-Amyl methyl ether (TAM	5.000	4.795	4.1	94	0.00
35		1,2-Dichloroethane (EDC)	20.000	20.539	-2.7	95	0.00
36		iso-Butyl Alcohol	500.000	469.864	6.0	93	-0.02
37	S	1,4-Difluorobenzene (S)	50.000	48.854	2.3	91	0.00
38		Trichloroethene (TCE)	20.000	19.886	0.6	92	0.00
39		tert-Amyl ethyl ether (TAEE	5.000	4.539	9.2	89	-0.01
40		Dibromomethane	20.000	19.329	3.4	93	0.00
41	C	1,2-Dichloropropane	20.000	19.229	3.9	89	0.00
42		Bromodichloromethane	20.000	20.504	-2.5	96	0.00
43		Chlorobenzene-d5 (I)	50.000	50.000	0.0	90	0.00
44		c-1,3-Dichloropropene	20.000	22.025	-10.1	97	0.00
45	S	Toluene-d8 (S)	50.000	50.363	-0.7	91	0.00

Data Path : C:\GCMS\1\data\2020-11\0K18045\
Data File : VK20111803.D
Acq On : 18 Nov 2020 10:02 am
Operator : PS
Sample : 0110632-BS1
Misc : 50X 5g/5mL 1000uL/50mL A20K254 VOCO+MeOH
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 19 10:11:22 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Sun Nov 15 15:53:18 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
46	C	Toluene	20.000	19.223	3.9	91	0.00
47		Tetrachloroethene (PCE)	20.000	20.200	-1.0	92	0.00
48		4-Methyl-2-Pentanone (MIBK)	40.000	37.164	7.1	89	0.00
49		t-1,3-Dichloropropene	20.000	22.875	-14.4	100	0.00
50		1,1,2-Trichloroethane	20.000	19.175	4.1	91	0.00
51		Dibromochloromethane	20.000	24.780	-23.9#	100	0.00
52		1,3-Dichloropropane	20.000	19.875	0.6	91	0.00
53		1,2-Dibromoethane (EDB)	20.000	20.576	-2.9	91	0.00
54		2-Hexanone	40.000	37.694	5.8	88	0.00
55	P	Chlorobenzene	20.000	19.580	2.1	91	0.00
56	C	Ethylbenzene	20.000	19.546	2.3	91	0.00
57		1,1,1,2-Tetrachloroethane	20.000	22.333	-11.7	99	0.00
58		m,p-Xylenes (2)	40.000	39.088	2.3	92	0.00
59		o-Xylene	20.000	19.037	4.8	91	0.00
60		Styrene	20.000	19.546	2.3	86	0.00
61	P	Bromoform	20.000	22.753	-13.8	105	0.00
62		Isopropylbenzene	20.000	19.526	2.4	91	0.00
63	I	1,4-Dichlorobenzene-d4 (I)	50.000	50.000	0.0	90	0.00
64	S	4-Bromofluorobenzene (S)	50.000	49.398	1.2	88	0.00
65		Bromobenzene	20.000	19.357	3.2	89	0.00
66		n-Propylbenzene	20.000	19.619	1.9	92	0.00
67	P	1,1,2,2-Tetrachloroethane	20.000	19.554	2.2	92	0.00
68		2-Chlorotoluene	20.000	20.378	-1.9	90	0.00
69		1,3,5-Trimethylbenzene	20.000	19.523	2.4	91	0.00
70		1,2,3-Trichloropropane	20.000	20.370	-1.9	93	0.00
71		t-1,4-Dichloro-2-butene	20.000	23.230	-16.2	110	0.00
72		4-Chlorotoluene	20.000	19.478	2.6	91	0.00
73		tert-Butylbenzene	20.000	19.054	4.7	91	0.00
74		1,2,4-Trimethylbenzene	20.000	19.375	3.1	91	0.00
75		sec-Butylbenzene	20.000	19.783	1.1	91	0.00
76		4-Isopropyltoluene	20.000	20.094	-0.5	91	0.00
77		1,3-Dichlorobenzene	20.000	19.969	0.2	90	0.00
78		1,4-Dichlorobenzene	20.000	19.677	1.6	92	0.00
79		n-Butylbenzene	20.000	19.644	1.8	91	0.00
80		1,2-Dichlorobenzene	20.000	19.791	1.0	89	0.00
81		1,2-Dibromo-3-Chloropropane	20.000	22.310	-11.5	97	0.01
82		Hexachlorobutadiene	20.000	20.097	-0.5	90	0.01
83		1,2,4-Trichlorobenzene	20.000	19.388	3.1	90	0.00
84		Naphthalene	20.000	19.890	0.5	91	0.00
85		1,2,3-Trichlorobenzene	20.000	19.819	0.9	90	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K18045\
Data File : VK20111803.D
Acq On : 18 Nov 2020 10:02 am
Operator : PS
Sample : 0110632-BS1
Misc : 50X 5g/5mL 1000uL/50mL A20K254 VOCO+MeOH
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 19 10:11:22 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Sun Nov 15 15:53:18 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.126	99	261295	50.00	ug/L	#	0.00
43) Chlorobenzene-d5 (I)	9.837	117	701659	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.798	152	297793	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.635	111	241789	51.41	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.692	114	814474	48.85	ug/L		0.00
45) Toluene-d8 (S)	8.214	98	873366	50.36	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.910	174	231104	49.40	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.703	85	68218	18.42	ug/L		93
3) Chloromethane	1.909	50	69269	17.09	ug/L		96
4) Vinyl Chloride	1.999	62	41111	20.11	ug/L		92
5) Bromomethane	2.359	96	31209	24.23	ug/L		97
6) Chloroethane	2.509	64	16228	22.00	ug/L		91
7) Trichlorofluoromethane	2.655	101	28510	22.34	ug/L		97
8) Ethanol	3.476	45	85012	1467.47	ug/L		76
9) 1,1-Dichloroethene	3.187	61	68574	22.21	ug/L		99
10) Carbon Disulfide	3.202	76	119406	21.22	ug/L		97
11) Freon 113	3.244	101	61536	24.00	ug/L		97
12) Iodomethane	3.334	142	17911	18.76	ug/L		93
13) Methylene Chloride	3.813	84	76489	21.32	ug/L		88
14) Acetone	3.903	43	54928	37.67	ug/L		99
15) t-1,2-Dichloroethene	3.986	61	109526	19.74	ug/L		91
16) n-Hexane	4.087	86	18061	23.97	ug/L	#	91
17) Methyl-tert-butyl-ether	4.140	73	260414	19.02	ug/L		91
18) tert-Butanol (TBA)	4.383	59	853915	1213.91	ug/L	#	82
19) Diisopropyl ether (DIPE)	4.537	45	55931	5.02	ug/L		91
20) 1,1-Dichloroethane	4.616	63	137718	19.72	ug/L		98
21) Acrylonitrile	4.661	53	34215	19.07	ug/L		86
22) Ethyl-tert-butyl ether...	4.904	59	59739	4.87	ug/L		97
23) c-1,2-Dichloroethene	5.170	61	106240	19.54	ug/L		88
24) 2,2-Dichloropropane	5.275	77	119252	24.86	ug/L		92
25) Bromochloromethane	5.365	49	58997	19.95	ug/L		86
26) Chloroform	5.452	83	150177	19.39	ug/L		98
27) Carbon Tetrachloride	5.602	117	105766	21.47	ug/L		93
28) Tetrahydrofuran	5.628	42	28121	18.56	ug/L		90
29) 1,1,1-Trichloroethane	5.662	97	135826	20.31	ug/L		96
31) 1,1-Dichloropropene	5.789	75	110631	19.54	ug/L		98
32) 2-Butanone (MEK)	5.770	43	86858	41.19	ug/L		91
33) Benzene	6.044	78	327522	19.12	ug/L		98
34) tert-Amyl methyl ether...	6.190	73	59795	4.79	ug/L		91
35) 1,2-Dichloroethane (EDC)	6.246	62	115911	20.54	ug/L		98
36) iso-Butyl Alcohol	6.362	43	119588	469.86	ug/L		93
38) Trichloroethene (TCE)	6.666	130	99919	19.89	ug/L		99
39) tert-Amyl ethyl ether ...	6.947	59	40393	4.54	ug/L		95
40) Dibromomethane	7.105	93	55476	19.33	ug/L		88
41) 1,2-Dichloropropane	7.213	63	78856	19.23	ug/L		89

Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K18045\
Data File : VK20111803.D
Acq On : 18 Nov 2020 10:02 am
Operator : PS
Sample : 0110632-BS1
Misc : 50X 5g/5mL 1000uL/50mL A20K254 VOCO+MeOH
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 19 10:11:22 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Sun Nov 15 15:53:18 2020
Response via : Initial Calibration

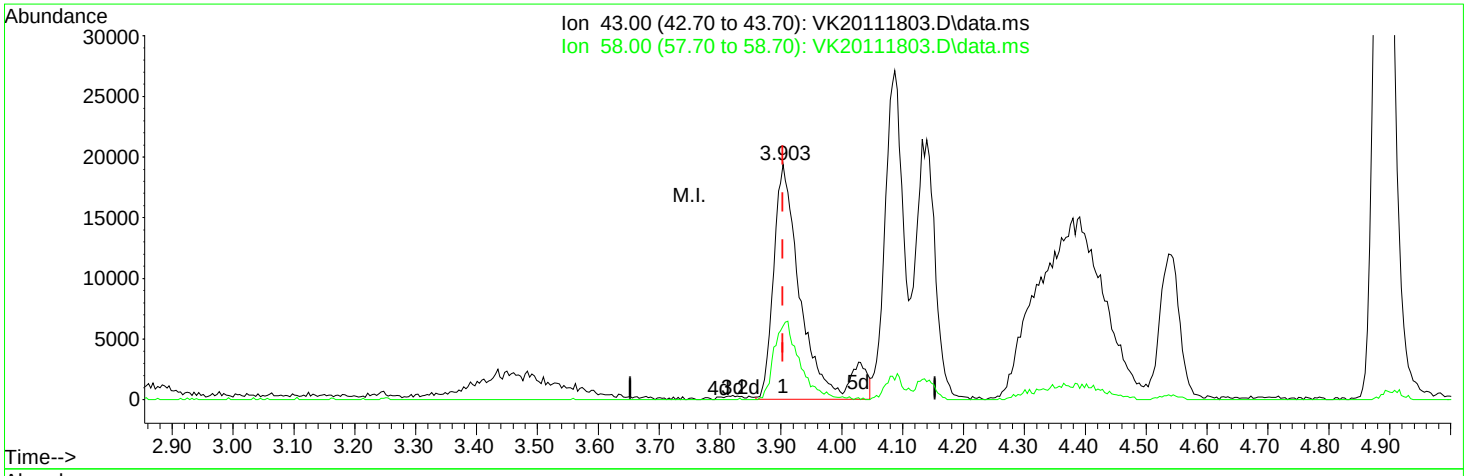
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) Bromodichloromethane	7.288	83	98183	20.50	ug/L		94
44) c-1,3-Dichloropropene	7.993	75	127431	22.03	ug/L		92
46) Toluene	8.274	91	348143	19.22	ug/L		98
47) Tetrachloroethene (PCE)	8.724	166	86293	20.20	ug/L		83
48) 4-Methyl-2-Pentanone (...	8.705	43	158816	37.16	ug/L		94
49) t-1,3-Dichloropropene	8.739	75	116520	22.88	ug/L		98
50) 1,1,2-Trichloroethane	8.912	97	80283	19.17	ug/L		94
51) Dibromochloromethane	9.099	129	74275	24.78	ug/L		96
52) 1,3-Dichloropropane	9.196	76	136678	19.88	ug/L		92
53) 1,2-Dibromoethane (EDB)	9.335	107	85699	20.58	ug/L		98
54) 2-Hexanone	9.571	43	111635	37.69	ug/L		96
55) Chlorobenzene	9.856	112	225779	19.58	ug/L		99
56) Ethylbenzene	9.890	91	371836	19.55	ug/L		97
57) 1,1,1,2-Tetrachloroethane	9.916	131	76078	22.33	ug/L		98
58) m,p-Xylenes (2)	10.025	91	548457	39.09	ug/L		96
59) o-Xylene	10.407	91	279715	19.04	ug/L		95
60) Styrene	10.449	104	205094	19.55	ug/L		96
61) Bromoform	10.467	173	41819	22.75	ug/L		94
62) Isopropylbenzene	10.681	105	344589	19.53	ug/L		98
65) Bromobenzene	10.996	156	82170	19.36	ug/L		90
66) n-Propylbenzene	11.026	91	376982	19.62	ug/L		97
67) 1,1,2,2-Tetrachloroethane	11.075	83	85238	19.55	ug/L		97
68) 2-Chlorotoluene	11.146	126	78171	20.38	ug/L		99
69) 1,3,5-Trimethylbenzene	11.183	105	257640	19.52	ug/L		96
70) 1,2,3-Trichloropropane	11.180	110	33617	20.37	ug/L	#	82
71) t-1,4-Dichloro-2-butene	11.213	88	12672	23.23	ug/L	#	80
72) 4-Chlorotoluene	11.281	91	231172	19.48	ug/L		97
73) tert-Butylbenzene	11.438	91	149476	19.05	ug/L		94
74) 1,2,4-Trimethylbenzene	11.491	105	264557	19.38	ug/L		96
75) sec-Butylbenzene	11.577	105	309631	19.78	ug/L		98
76) 4-Isopropyltoluene	11.686	119	262027	20.09	ug/L		97
77) 1,3-Dichlorobenzene	11.742	146	143146	19.97	ug/L		95
78) 1,4-Dichlorobenzene	11.809	146	143047	19.68	ug/L		95
79) n-Butylbenzene	12.008	91	214792	19.64	ug/L		98
80) 1,2-Dichlorobenzene	12.124	146	132607	19.79	ug/L		99
81) 1,2-Dibromo-3-Chloropr...	12.739	157	20647	22.31	ug/L		88
82) Hexachlorobutadiene	13.271	223	15388	20.10	ug/L		86
83) 1,2,4-Trichlorobenzene	13.290	180	79617	19.39	ug/L		97
84) Naphthalene	13.567	128	296194	19.89	ug/L		97
85) 1,2,3-Trichlorobenzene	13.732	180	77290	19.82	ug/L		98

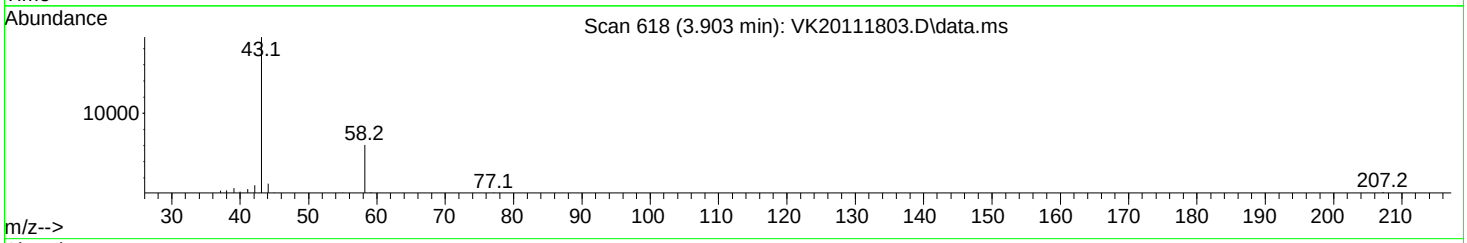
(#) = qualifier out of range (m) = manual integration (+) = signals summed

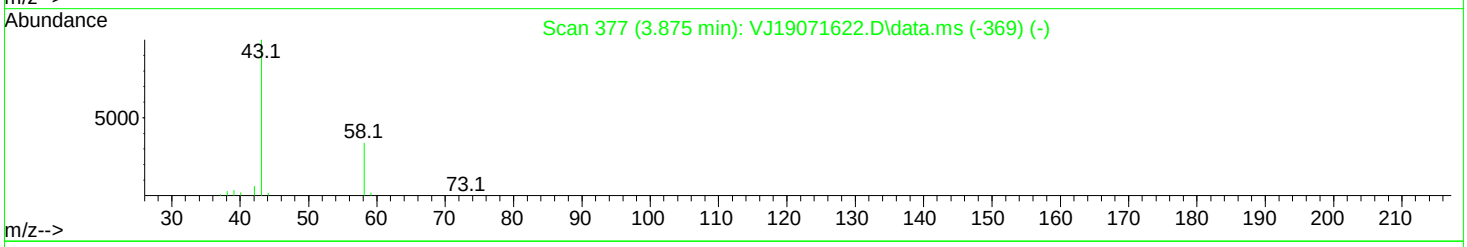
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K18045\
Data File : VK20111803.D
Acq On : 18 Nov 2020 10:02 am
Operator : PS
Sample : 0110632-BS1
Misc : 50X 5g/5mL 1000uL/50mL A20K254 VOCO+MeOH
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 19 10:11:22 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Sun Nov 15 15:53:18 2020
Response via : Initial Calibration







TIC: VK20111803.D\data.ms

(14) Acetone

3.903min (+ 0.000) 42.34 ug/L m

response 61744

Ion	Exp%	Act%
43.00	100.00	100.00
58.00	32.20	31.39
0.00	0.00	0.00
0.00	0.00	0.00

IMA
11/19/20

Data Path : C:\GCMS\1\data\2020-11\0K18045\
Data File : VK20111803.D
Acq On : 18 Nov 2020 10:02 am
Operator : PS
Sample : 0110632-BS1
Misc : 50X 5g/5mL 1000uL/50mL A20K254 VOCO+MeOH
ALS Vial : 3 Sample Multiplier: 1

IMA
11/19/20

Quant Time: Nov 19 10:11:22 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Sun Nov 15 15:53:18 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.126	99	261295	50.00	ug/L	#	0.00
43) Chlorobenzene-d5 (I)	9.837	117	701659	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.798	152	297793	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.635	111	241789	51.41	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.692	114	814474	48.85	ug/L		0.00
45) Toluene-d8 (S)	8.214	98	873366	50.36	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.910	174	231104	49.40	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.703	85	68218	18.42	ug/L		93
3) Chloromethane	1.909	50	69269	17.09	ug/L		96
4) Vinyl Chloride	1.999	62	41111	20.11	ug/L		92
5) Bromomethane	2.359	96	31209	24.23	ug/L		97
6) Chloroethane	2.509	64	16228	22.00	ug/L		91
7) Trichlorofluoromethane	2.655	101	28510	22.34	ug/L		97
8) Ethanol	3.476	45	85012	1467.47	ug/L		76
9) 1,1-Dichloroethene	3.187	61	68574	22.21	ug/L		99
10) Carbon Disulfide	3.202	76	119406	21.22	ug/L		97
11) Freon 113	3.244	101	61536	24.00	ug/L		97
12) Iodomethane	3.334	142	17911	18.76	ug/L		93
13) Methylene Chloride	3.813	84	76489	21.32	ug/L		88
14) Acetone	3.903	43	61744m	42.34	ug/L		
15) t-1,2-Dichloroethene	3.986	61	109526	19.74	ug/L		91
16) n-Hexane	4.087	86	18061	23.97	ug/L	#	91
17) Methyl-tert-butyl-ether	4.140	73	260414	19.02	ug/L		91
18) tert-Butanol (TBA)	4.383	59	853915	1213.91	ug/L	#	82
19) Diisopropyl ether (DIPE)	4.537	45	55931	5.02	ug/L		91
20) 1,1-Dichloroethane	4.616	63	137718	19.72	ug/L		98
21) Acrylonitrile	4.661	53	34215	19.07	ug/L		86
22) Ethyl-tert-butyl ether...	4.904	59	59739	4.87	ug/L		97
23) c-1,2-Dichloroethene	5.170	61	106240	19.54	ug/L		88
24) 2,2-Dichloropropane	5.275	77	119252	24.86	ug/L		92
25) Bromochloromethane	5.365	49	58997	19.95	ug/L		86
26) Chloroform	5.452	83	150177	19.39	ug/L		98
27) Carbon Tetrachloride	5.602	117	105766	21.47	ug/L		93
28) Tetrahydrofuran	5.628	42	28121	18.56	ug/L		90
29) 1,1,1-Trichloroethane	5.662	97	135826	20.31	ug/L		96
31) 1,1-Dichloropropene	5.789	75	110631	19.54	ug/L		98
32) 2-Butanone (MEK)	5.770	43	86858	41.19	ug/L		91
33) Benzene	6.044	78	327522	19.12	ug/L		98
34) tert-Amyl methyl ether...	6.190	73	59795	4.79	ug/L		91
35) 1,2-Dichloroethane (EDC)	6.246	62	115911	20.54	ug/L		98
36) iso-Butyl Alcohol	6.362	43	119588	469.86	ug/L		93
38) Trichloroethene (TCE)	6.666	130	99919	19.89	ug/L		99
39) tert-Amyl ethyl ether ...	6.947	59	40393	4.54	ug/L		95
40) Dibromomethane	7.105	93	55476	19.33	ug/L		88
41) 1,2-Dichloropropane	7.213	63	78856	19.23	ug/L		89

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K18045\
Data File : VK20111803.D
Acq On : 18 Nov 2020 10:02 am
Operator : PS
Sample : 0110632-BS1
Misc : 50X 5g/5mL 1000uL/50mL A20K254 VOCO+MeOH
ALS Vial : 3 Sample Multiplier: 1

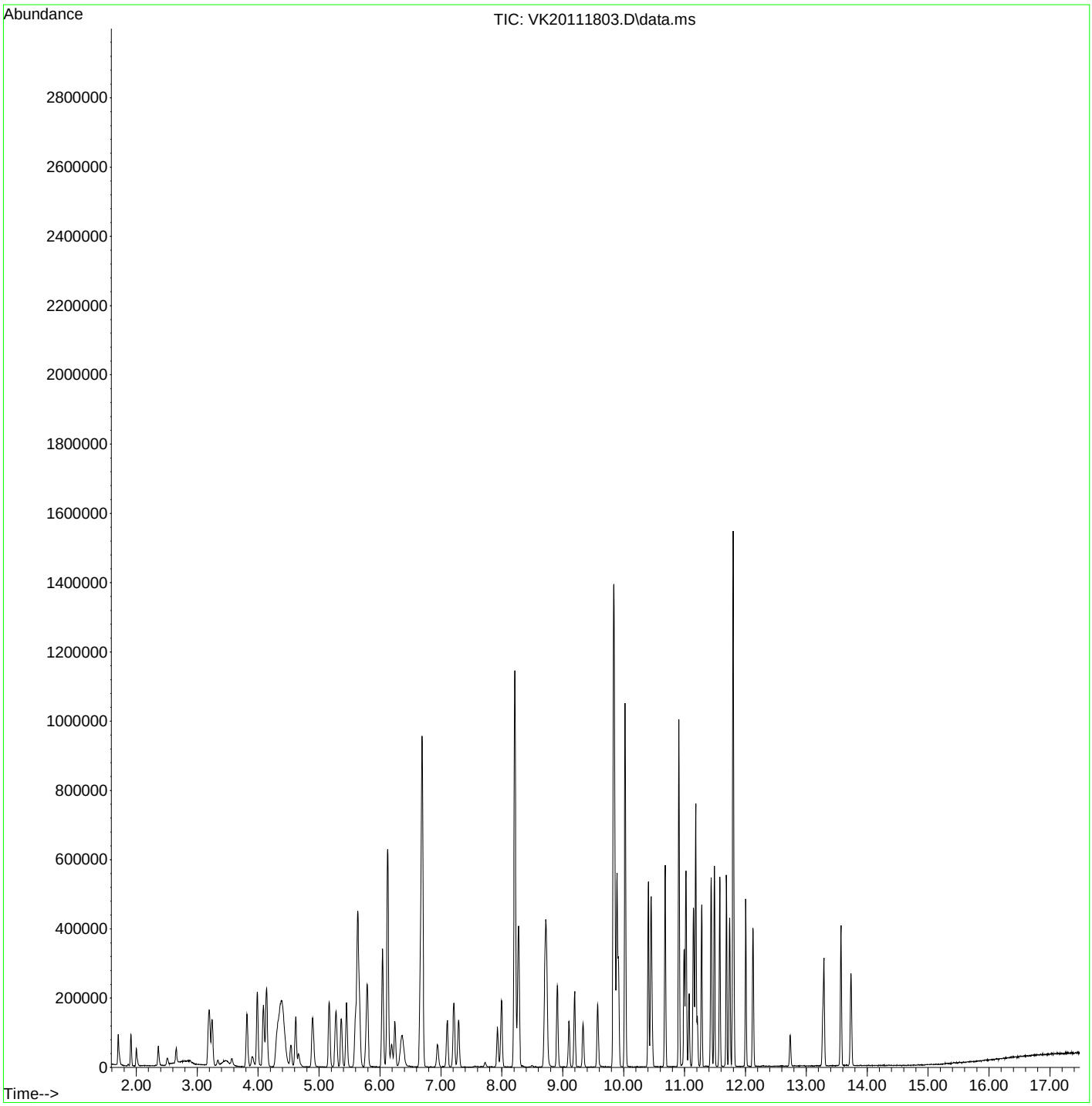
Quant Time: Nov 19 10:11:22 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Sun Nov 15 15:53:18 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) Bromodichloromethane	7.288	83	98183	20.50	ug/L		94
44) c-1,3-Dichloropropene	7.993	75	127431	22.03	ug/L		92
46) Toluene	8.274	91	348143	19.22	ug/L		98
47) Tetrachloroethene (PCE)	8.724	166	86293	20.20	ug/L		83
48) 4-Methyl-2-Pentanone (...	8.705	43	158816	37.16	ug/L		94
49) t-1,3-Dichloropropene	8.739	75	116520	22.88	ug/L		98
50) 1,1,2-Trichloroethane	8.912	97	80283	19.17	ug/L		94
51) Dibromochloromethane	9.099	129	74275	24.78	ug/L		96
52) 1,3-Dichloropropane	9.196	76	136678	19.88	ug/L		92
53) 1,2-Dibromoethane (EDB)	9.335	107	85699	20.58	ug/L		98
54) 2-Hexanone	9.571	43	111635	37.69	ug/L		96
55) Chlorobenzene	9.856	112	225779	19.58	ug/L		99
56) Ethylbenzene	9.890	91	371836	19.55	ug/L		97
57) 1,1,1,2-Tetrachloroethane	9.916	131	76078	22.33	ug/L		98
58) m,p-Xylenes (2)	10.025	91	548457	39.09	ug/L		96
59) o-Xylene	10.407	91	279715	19.04	ug/L		95
60) Styrene	10.449	104	205094	19.55	ug/L		96
61) Bromoform	10.467	173	41819	22.75	ug/L		94
62) Isopropylbenzene	10.681	105	344589	19.53	ug/L		98
65) Bromobenzene	10.996	156	82170	19.36	ug/L		90
66) n-Propylbenzene	11.026	91	376982	19.62	ug/L		97
67) 1,1,2,2-Tetrachloroethane	11.075	83	85238	19.55	ug/L		97
68) 2-Chlorotoluene	11.146	126	78171	20.38	ug/L		99
69) 1,3,5-Trimethylbenzene	11.183	105	257640	19.52	ug/L		96
70) 1,2,3-Trichloropropane	11.180	110	33617	20.37	ug/L	#	82
71) t-1,4-Dichloro-2-butene	11.213	88	12672	23.23	ug/L	#	80
72) 4-Chlorotoluene	11.281	91	231172	19.48	ug/L		97
73) tert-Butylbenzene	11.438	91	149476	19.05	ug/L		94
74) 1,2,4-Trimethylbenzene	11.491	105	264557	19.38	ug/L		96
75) sec-Butylbenzene	11.577	105	309631	19.78	ug/L		98
76) 4-Isopropyltoluene	11.686	119	262027	20.09	ug/L		97
77) 1,3-Dichlorobenzene	11.742	146	143146	19.97	ug/L		95
78) 1,4-Dichlorobenzene	11.809	146	143047	19.68	ug/L		95
79) n-Butylbenzene	12.008	91	214792	19.64	ug/L		98
80) 1,2-Dichlorobenzene	12.124	146	132607	19.79	ug/L		99
81) 1,2-Dibromo-3-Chloropr...	12.739	157	20647	22.31	ug/L		88
82) Hexachlorobutadiene	13.271	223	15388	20.10	ug/L		86
83) 1,2,4-Trichlorobenzene	13.290	180	79617	19.39	ug/L		97
84) Naphthalene	13.567	128	296194	19.89	ug/L		97
85) 1,2,3-Trichlorobenzene	13.732	180	77290	19.82	ug/L		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\GCMS\1\data\2020-11\0K18045\
Data File : VK20111803.D
Acq On : 18 Nov 2020 10:02 am
Operator : PS
Sample : 0110632-BS1
Misc : 50X 5g/5mL 1000uL/50mL A20K254 VOCO+MeOH
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 19 10:11:22 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Sun Nov 15 15:53:18 2020
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data Path : C:\GCMS\1\data\2020-11\0K18045\
Data File : VK20111804.D
Acq On : 18 Nov 2020 10:29 am
Operator : PS
Sample : 0110632-BS2
Misc : 50X 5g/5mL 1000uL/50mL A20J281 GX+MeOH
ALS Vial : 4 Sample Multiplier: 1

IMA
11/19/20

Quant Time: Nov 19 10:12:25 2020
Quant Method : C:\GCMS\1\methods\VK201115G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Tue Nov 17 15:23:30 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene (IS)	50.000	50.000	0.0	106	0.00
2	S	1,4-Difluorobenzene (Sur)	50.000	50.549	-1.1	107	0.00
3	S	4-Bromofluorobenzene (Sur)	50.000	49.768	0.5	106	0.00
4	H	NWTPH-Gx (TPH)	500.000	513.199	-2.6	110	0.00
5	H	TPHg (C5-C9)	500.000	0.000	100.0#	0	0.00
6	H	TPHg (C6-C10)	500.000	0.000	100.0#	0	0.00
7	H	CA-LUFT (C5-C12)	500.000	525.781	-5.2	112	0.00
8		Benzene (NR)	-1.000	0.000	0.0	106	0.00
9	S	Toluene-d8 (NR)	-1.000	0.000	0.0	107	0.00
10		Toluene (NR)	-1.000	0.000	0.0	106	0.00
11	S	Chlorobenzene-d5 (NR)	-1.000	0.000	0.0	107	0.00
12	S	1,4-Dichlorobenzene-d4 (NR)	-1.000	0.000	0.0	106	0.00
13		Naphthalene (NR)	-1.000	0.000	0.0	104	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K18045\
Data File : VK20111804.D
Acq On : 18 Nov 2020 10:29 am
Operator : PS
Sample : 0110632-BS2
Misc : 50X 5g/5mL 1000uL/50mL A20J281 GX+MeOH
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 19 10:12:25 2020
Quant Method : C:\GCMS\1\methods\VK201115G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Tue Nov 17 15:23:30 2020
Response via : Initial Calibration

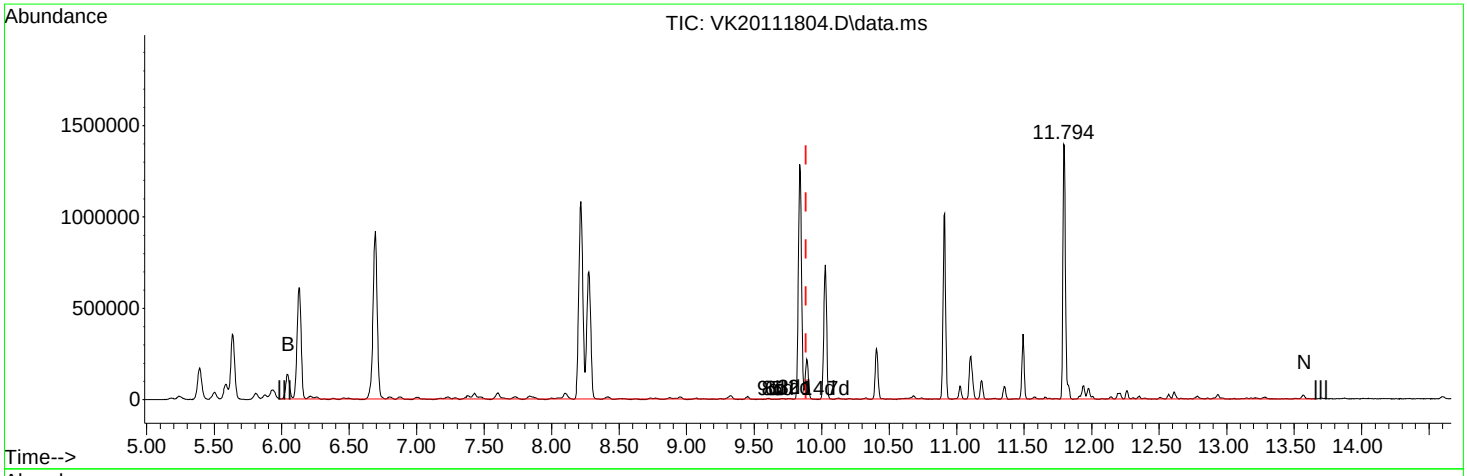
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.130	168	433387	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.693	114	792515	50.55	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.910	174	231803	49.77	ug/L	0.00
9) Toluene-d8 (NR)	8.214	98	844907	0.00	ug/L	0.00
11) Chlorobenzene-d5 (NR)	9.838	117	696518	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.798	150	477426	0.00	ug/L	0.00
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.883	TIC	6807741m	513.20	ug/L	
7) CA-LUFT (C5-C12)	9.883	TIC	9895461m	525.78	ug/L	

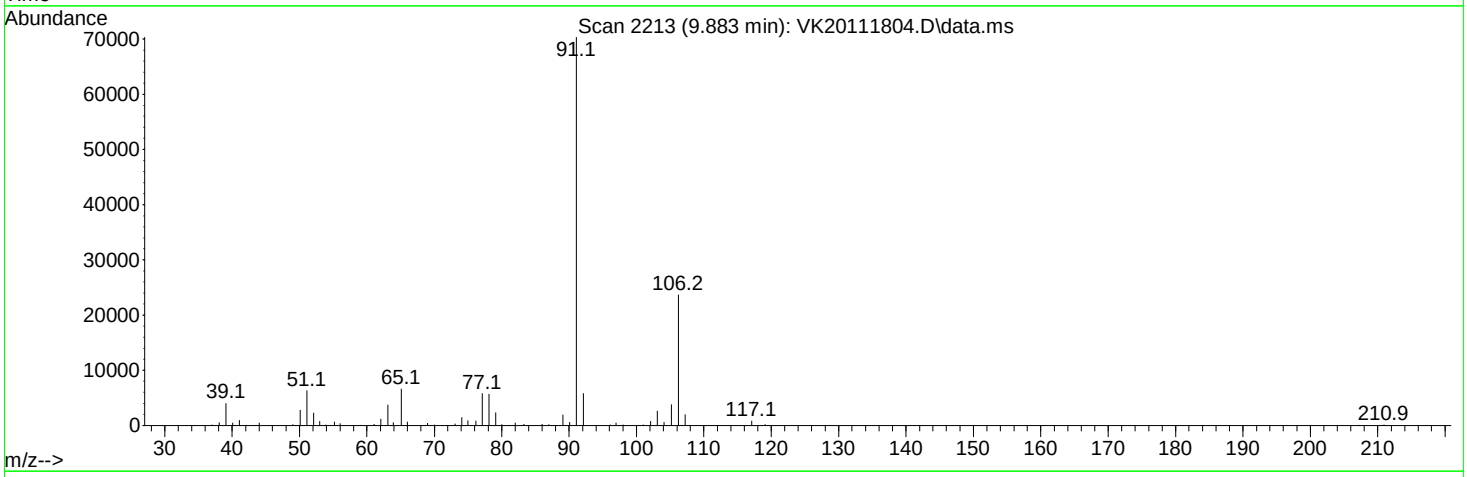
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K18045\
Data File : VK20111804.D
Acq On : 18 Nov 2020 10:29 am
Operator : PS
Sample : 0110632-BS2
Misc : 50X 5g/5mL 1000uL/50mL A20J281 GX+MeOH
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 19 10:12:25 2020
Quant Method : C:\GCMS\1\methods\VK201115G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Tue Nov 17 15:23:30 2020
Response via : Initial Calibration





TIC: VK20111804.D\data.ms

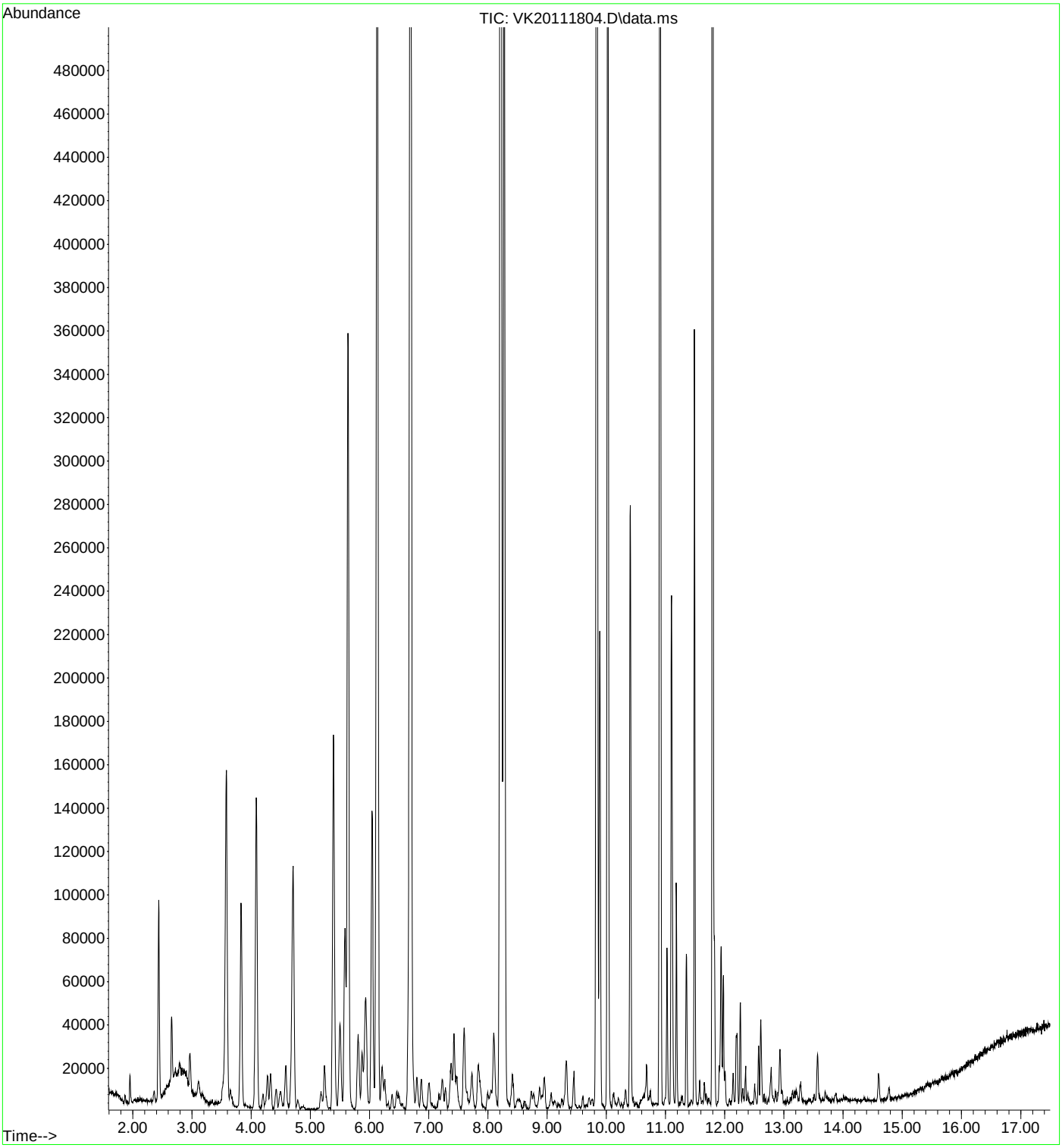
(4) NWTPH-Gx (TPH) (H)

9.883min (0.000) 513.20 ug/L m

response 6807741

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.02#
0.00	0.00	0.01#
0.00	0.00	0.00

File :C:\GCMS\1\data\2020-11\0K18045\VK20111804.D
Operator : PS
Acquired : 18 Nov 2020 10:29 am using AcqMethod VK2004RUN.M
Instrument : VOA-GCMS11
Sample Name: 0110632-BS2
Misc Info : 50X 5g/5mL 1000uL/50mL A20J281 GX+MeOH
Vial Number: 4



Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K18045\
Data File : VK20111805.D
Acq On : 18 Nov 2020 10:57 am
Operator : PS
Sample : 0110632-BLK1
Misc : 50X 7.5g/5mL 1000uL/50mL DI+MeOH
ALS Vial : 5 Sample Multiplier: 1

IMA
11/19/20

Quant Time: Nov 19 10:12:51 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Sun Nov 15 15:53:18 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.127	99	241706	50.00	ug/L	#	0.00
43) Chlorobenzene-d5 (I)	9.838	117	646593	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.794	152	281263	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.635	111	212426	48.83	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.693	114	739206	47.93	ug/L		0.00
45) Toluene-d8 (S)	8.215	98	789944	49.43	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.910	174	216643	49.03	ug/L		0.00
Target Compounds							Qvalue
3) Chloromethane	1.913	50	903	0.24	ug/L		81
5) Bromomethane	2.359	96	1779	1.49	ug/L	#	71
8) Ethanol	3.409	45	225	Below Cal		#	51
12) Iodomethane	3.338	142	1227	2.22	ug/L		89
13) Methylene Chloride	3.817	84	2709	0.82	ug/L		92
14) Acetone	3.907	43	645	0.48	ug/L	#	42
46) Toluene	8.290	91	1624	0.10	ug/L	#	58
58) m,p-Xylenes (2)	10.021	91	1737	0.13	ug/L		78
74) 1,2,4-Trimethylbenzene	11.495	105	1141	0.09	ug/L		85

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K18045\
Data File : VK20111805.D
Acq On : 18 Nov 2020 10:57 am
Operator : PS
Sample : 0110632-BLK1
Misc : 50X 7.5g/5mL 1000uL/50mL DI+MeOH
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 19 10:12:56 2020
Quant Method : C:\GCMS\1\methods\VK201115G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Tue Nov 17 15:23:30 2020
Response via : Initial Calibration

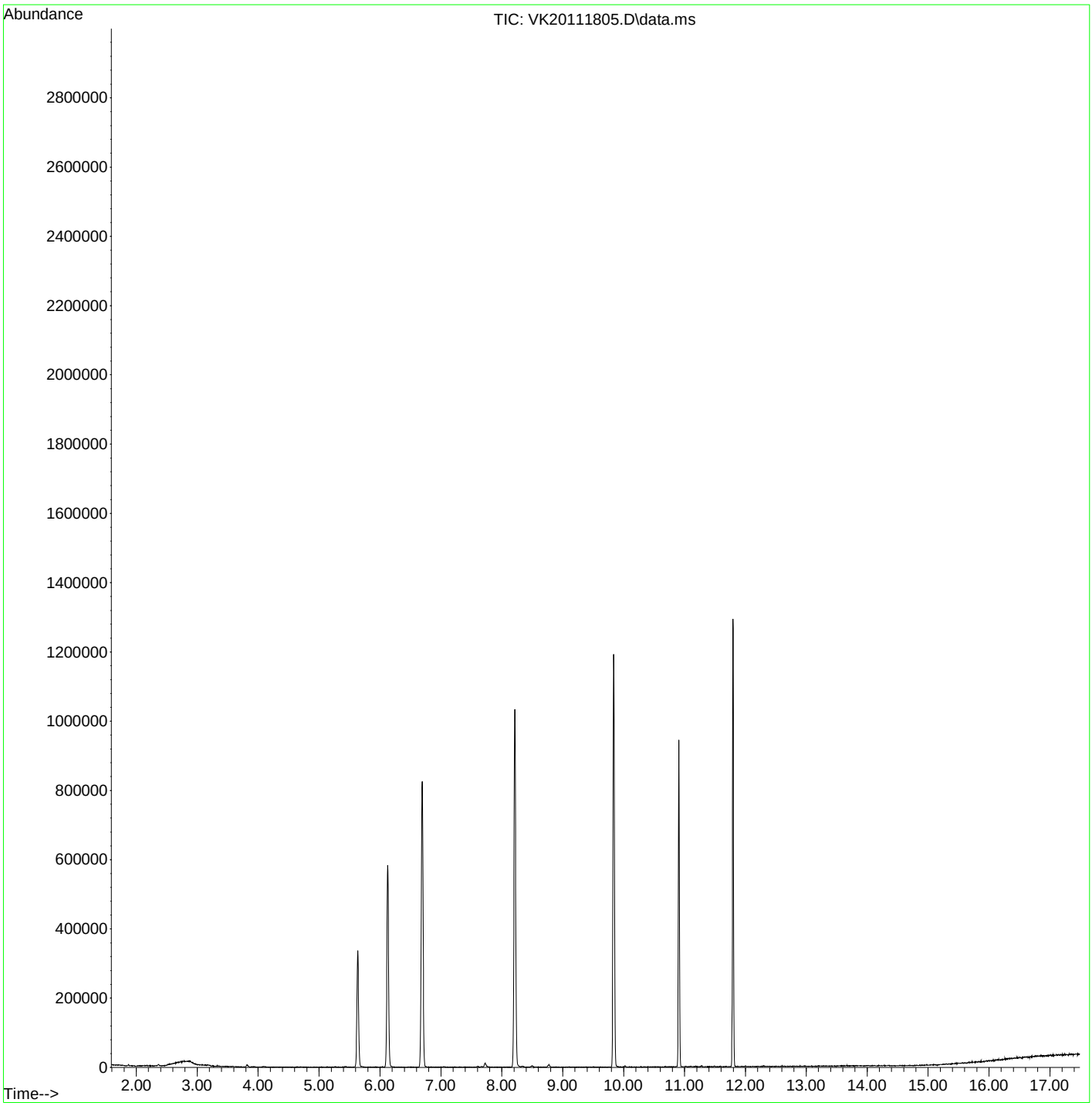
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.127	168	406689	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.693	114	739540	50.27	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.910	174	216643	49.57	ug/L	0.00
9) Toluene-d8 (NR)	8.215	98	789944	0.00	ug/L	0.00
11) Chlorobenzene-d5 (NR)	9.838	117	646593	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.794	150	438653	0.00	ug/L	0.00
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.883	TIC	210118m	Below Cal		
7) CA-LUFT (C5-C12)	9.883	TIC	1115560m	Below Cal		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K18045\
Data File : VK20111805.D
Acq On : 18 Nov 2020 10:57 am
Operator : PS
Sample : 0110632-BLK1
Misc : 50X 7.5g/5mL 1000uL/50mL DI+MeOH
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 19 10:12:51 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Sun Nov 15 15:53:18 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K18045\
Data File : VK20111822.D
Acq On : 18 Nov 2020 06:41 pm
Operator : PS
Sample : A0K0482-07
Misc : 50X 5g/5mL 1000uL/50mL BTEX+HALO6
ALS Vial : 22 Sample Multiplier: 1

IMA
11/19/20

Quant Time: Nov 19 10:17:02 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Sun Nov 15 15:53:18 2020
Response via : Initial Calibration

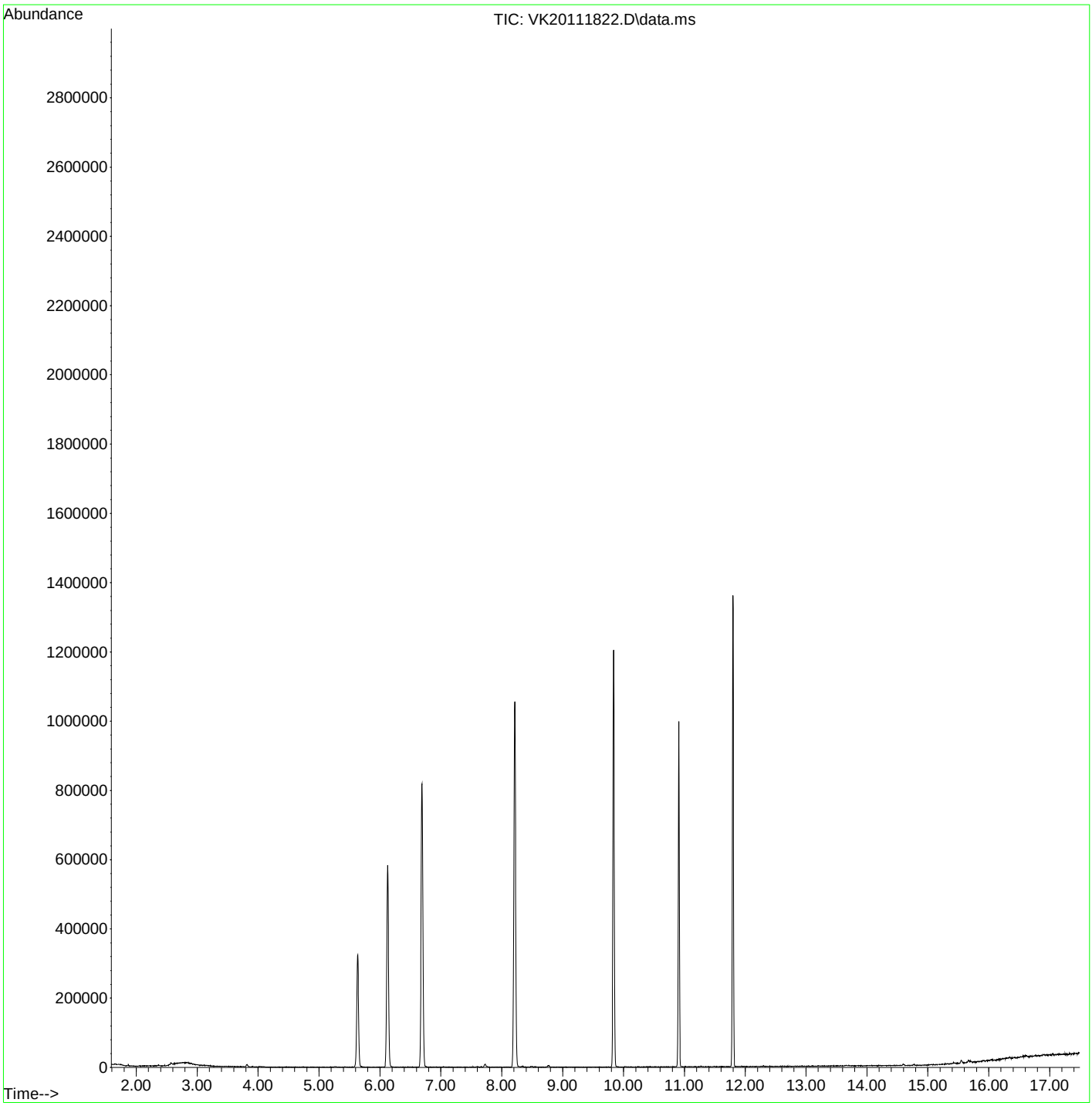
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.127	99	238826	50.00	ug/L	#	0.00
43) Chlorobenzene-d5 (I)	9.838	117	664529	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.794	152	295828	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.635	111	210899	49.06	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.693	114	745741	48.94	ug/L		0.00
45) Toluene-d8 (S)	8.215	98	801831	48.82	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.910	174	226386	48.71	ug/L		0.00
Target Compounds							Qvalue
3) Chloromethane	1.902	50	602	0.16	ug/L	#	50
5) Bromomethane	2.367	96	1238	1.05	ug/L	#	67
8) Ethanol	3.416	45	167	Below Cal		#	29
12) Iodomethane	3.341	142	558	1.37	ug/L		83
13) Methylene Chloride	3.817	84	3265	1.00	ug/L	#	77
14) Acetone	3.904	43	1334	1.00	ug/L		68
36) iso-Butyl Alcohol	6.378	43	31	0.13	ug/L	#	22

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K18045\
Data File : VK20111822.D
Acq On : 18 Nov 2020 06:41 pm
Operator : PS
Sample : A0K0482-07
Misc : 50X 5g/5mL 1000uL/50mL BTEX+HALO6
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Nov 19 10:17:02 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Sun Nov 15 15:53:18 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K18045\
Data File : VK20111823.D
Acq On : 18 Nov 2020 07:08 pm
Operator : PS
Sample : A0K0482-08
Misc : 50X 5g/5mL 1000uL/50mL BTEX+HALO6
ALS Vial : 23 Sample Multiplier: 1

IMA
11/19/20

Quant Time: Nov 19 10:17:11 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Sun Nov 15 15:53:18 2020
Response via : Initial Calibration

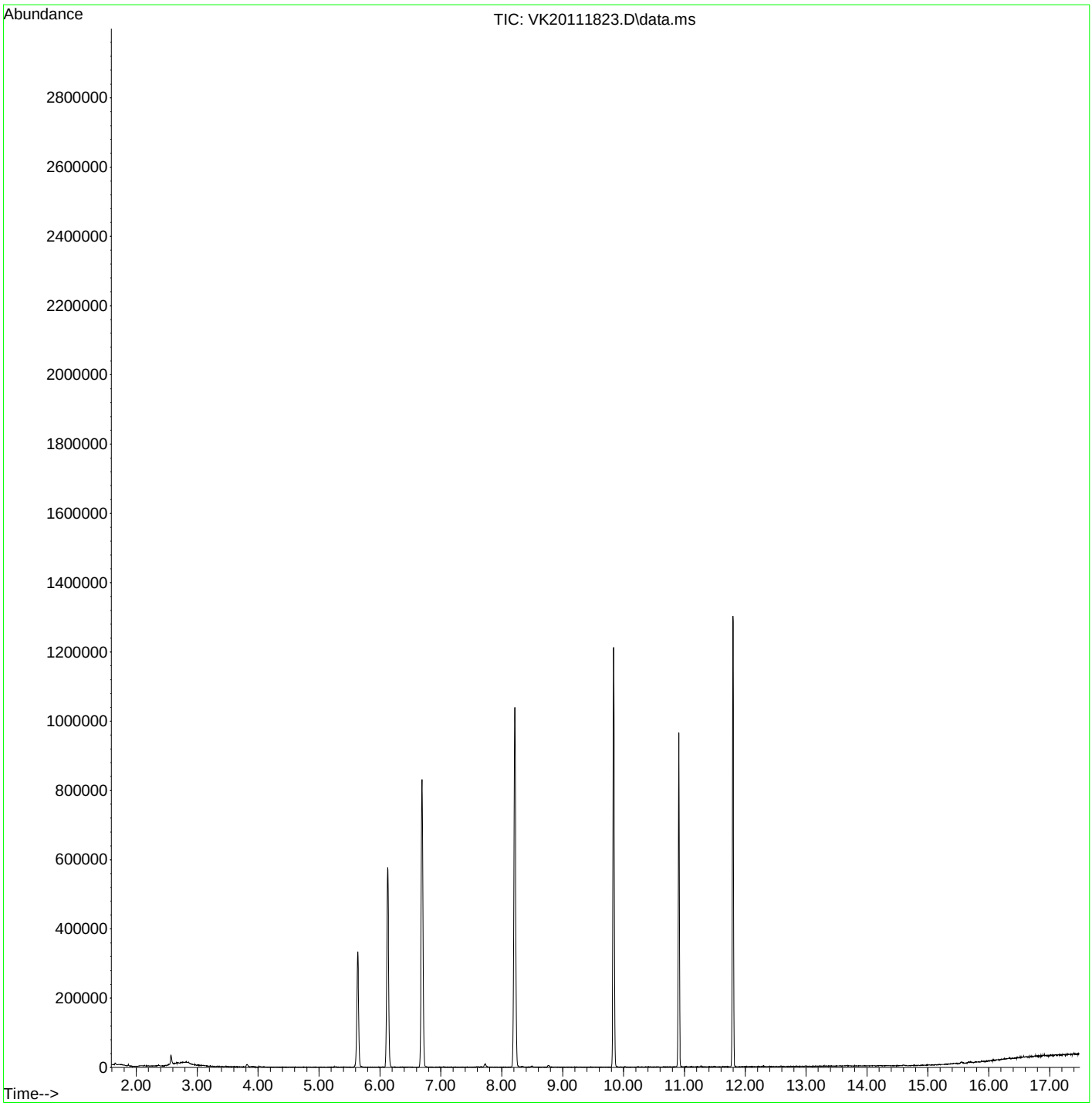
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.127	99	239973	50.00	ug/L	#	0.00
43) Chlorobenzene-d5 (I)	9.838	117	648798	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.798	152	282381	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.635	111	208493	48.27	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.693	114	745912	48.72	ug/L		0.00
45) Toluene-d8 (S)	8.215	98	791777	49.38	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.910	174	215549	48.59	ug/L		0.00
Target Compounds							Qvalue
3) Chloromethane	1.909	50	608	0.16	ug/L		89
5) Bromomethane	2.363	96	1382	1.17	ug/L		89
8) Ethanol	3.428	45	106	Below Cal		#	29
10) Carbon Disulfide	3.214	76	440	0.09	ug/L		78
12) Iodomethane	3.341	142	652	1.49	ug/L		66
13) Methylene Chloride	3.825	84	3376	1.02	ug/L	#	70
14) Acetone	3.904	43	1240	0.93	ug/L		83

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K18045\
Data File : VK20111823.D
Acq On : 18 Nov 2020 07:08 pm
Operator : PS
Sample : A0K0482-08
Misc : 50X 5g/5mL 1000uL/50mL BTEX+HALO6
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Nov 19 10:17:11 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Sun Nov 15 15:53:18 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K18045\
Data File : VK20111824.D
Acq On : 18 Nov 2020 07:35 pm
Operator : PS
Sample : A0K0482-09
Misc : 50X 5g/5mL 1000uL/50mL BTEX+HALO6
ALS Vial : 24 Sample Multiplier: 1

IMA
11/19/20

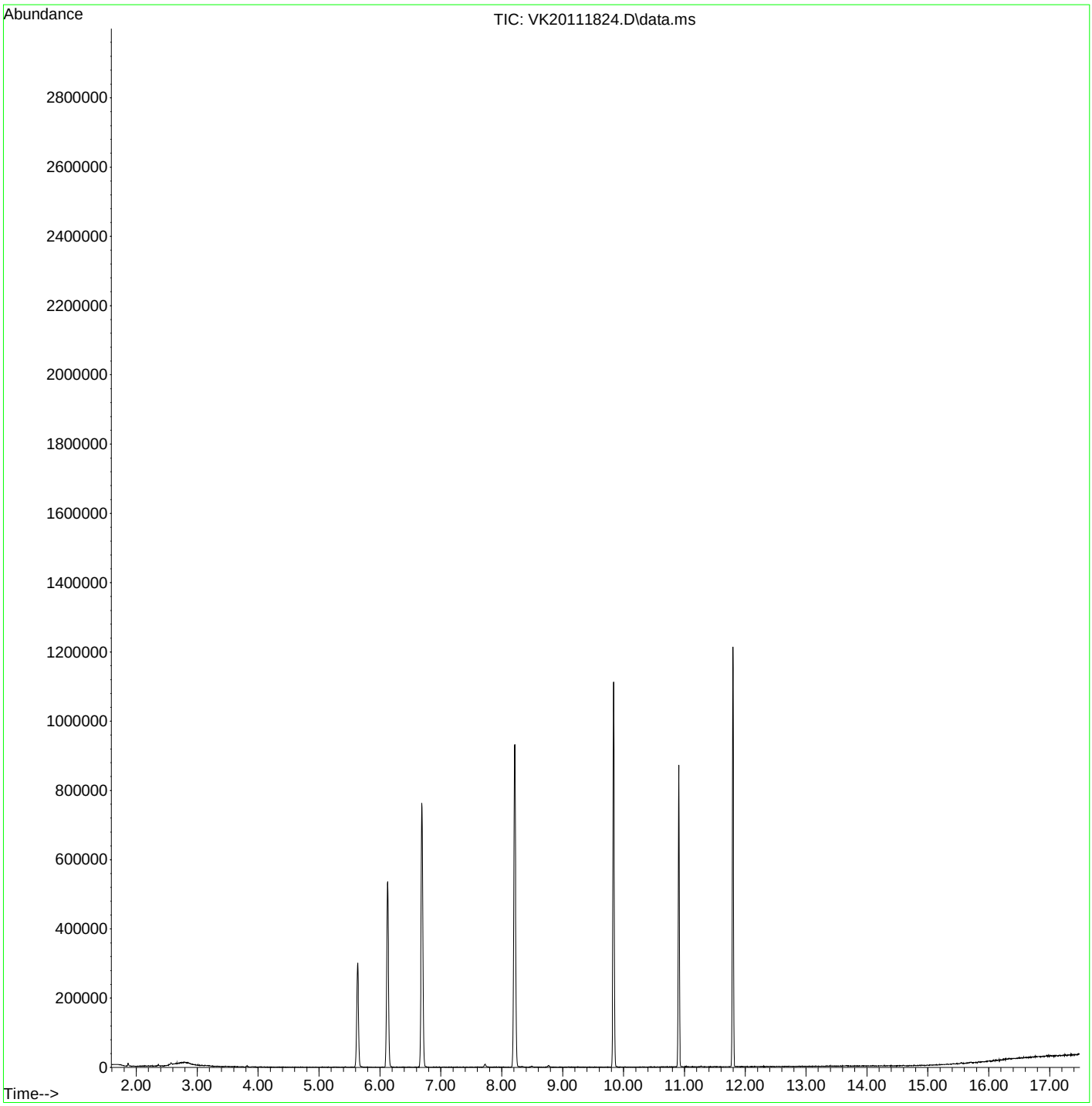
Quant Time: Nov 19 10:17:18 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Sun Nov 15 15:53:18 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.126	99	222593	50.00	ug/L	#	0.00
43) Chlorobenzene-d5 (I)	9.838	117	590000	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.794	152	258174	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.635	111	191563	47.81	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.689	114	676634	47.64	ug/L		0.00
45) Toluene-d8 (S)	8.214	98	720301	49.40	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.906	174	196805	48.52	ug/L		0.00
Target Compounds							Qvalue
3) Chloromethane	1.906	50	548	0.16	ug/L		91
5) Bromomethane	2.367	96	1173	1.07	ug/L		86
8) Ethanol	3.412	45	142	Below Cal		#	29
12) Iodomethane	3.337	142	536	1.39	ug/L		85
13) Methylene Chloride	3.817	84	1290	0.42	ug/L	#	72
14) Acetone	3.907	43	884	0.71	ug/L		81

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\GCMS\1\data\2020-11\0K18045\
Data File : VK20111824.D
Acq On : 18 Nov 2020 07:35 pm
Operator : PS
Sample : A0K0482-09
Misc : 50X 5g/5mL 1000uL/50mL BTEX+HALO6
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Nov 19 10:17:18 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Sun Nov 15 15:53:18 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K18045\
Data File : VK20111825.D
Acq On : 18 Nov 2020 08:02 pm
Operator : PS
Sample : A0K0482-10
Misc : 50X 5g/5mL 1000uL/50mL BTEX+HALO6
ALS Vial : 25 Sample Multiplier: 1

IMA
11/19/20

Quant Time: Nov 19 10:17:26 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Sun Nov 15 15:53:18 2020
Response via : Initial Calibration

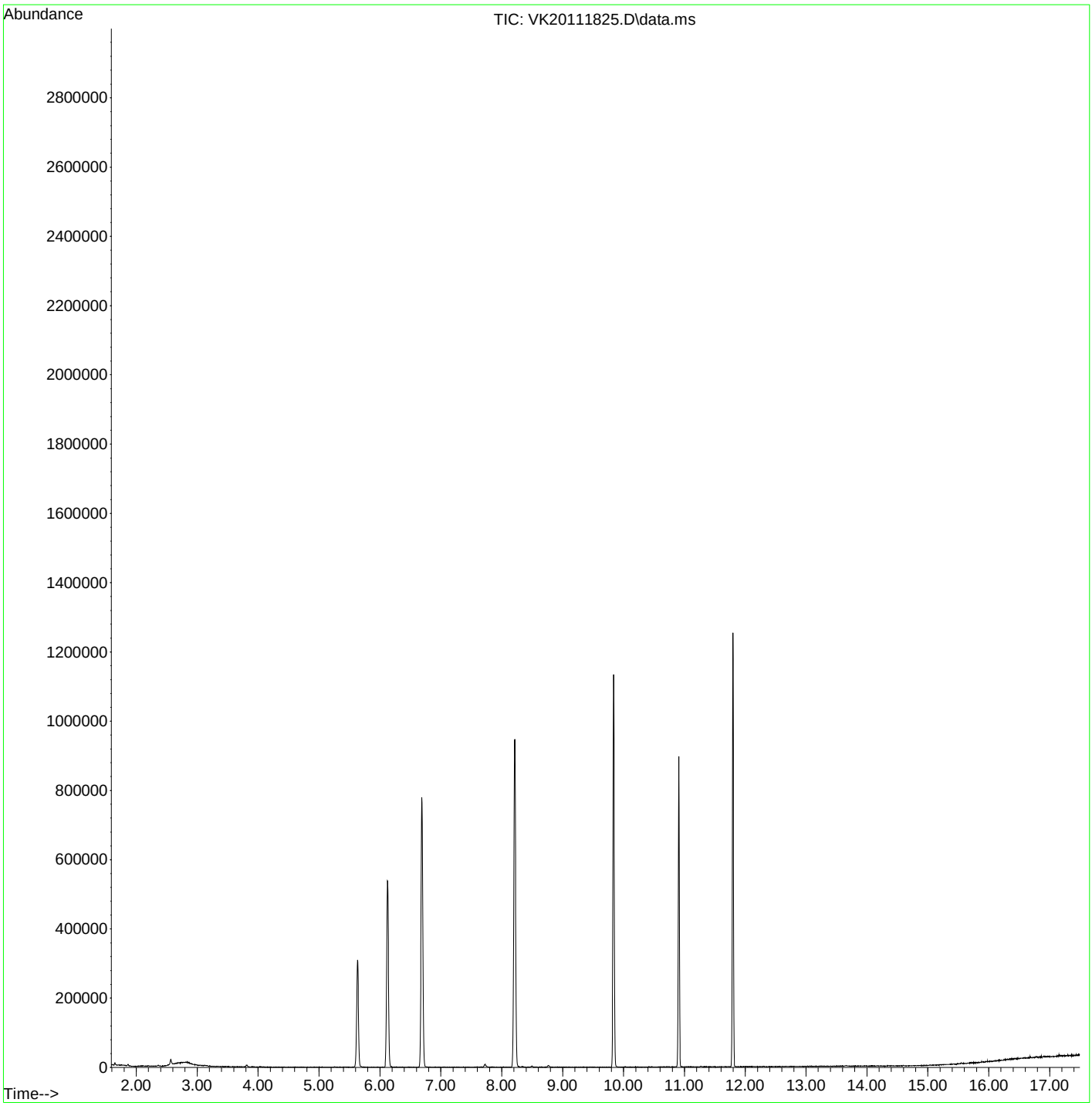
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.126	99	227492	50.00	ug/L	#	0.00
43) Chlorobenzene-d5 (I)	9.838	117	603012	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.794	152	263926	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.632	111	197121	48.14	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.689	114	689036	47.47	ug/L		0.00
45) Toluene-d8 (S)	8.211	98	732630	49.16	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.910	174	201608	48.62	ug/L		0.00
Target Compounds							Qvalue
3) Chloromethane	1.905	50	563	0.16	ug/L		77
5) Bromomethane	2.363	96	1189	1.06	ug/L	#	60
8) Ethanol	3.412	45	127	Below Cal		#	29
12) Iodomethane	3.334	142	500	1.33	ug/L		63
13) Methylene Chloride	3.810	84	2426	0.78	ug/L		77
14) Acetone	3.892	43	655	0.52	ug/L		76
18) tert-Butanol (TBA)	4.308	59	72	0.12	ug/L	#	46

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K18045\
Data File : VK20111825.D
Acq On : 18 Nov 2020 08:02 pm
Operator : PS
Sample : A0K0482-10
Misc : 50X 5g/5mL 1000uL/50mL BTEX+HALO6
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 19 10:17:26 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Sun Nov 15 15:53:18 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K18045\
Data File : VK20111826.D
Acq On : 18 Nov 2020 08:29 pm
Operator : PS
Sample : A0K0482-15
Misc : 50X 5g/5mL 1000uL/50mL BTEX+HALO6
ALS Vial : 26 Sample Multiplier: 1

IMA
11/19/20

Quant Time: Nov 19 10:17:34 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Sun Nov 15 15:53:18 2020
Response via : Initial Calibration

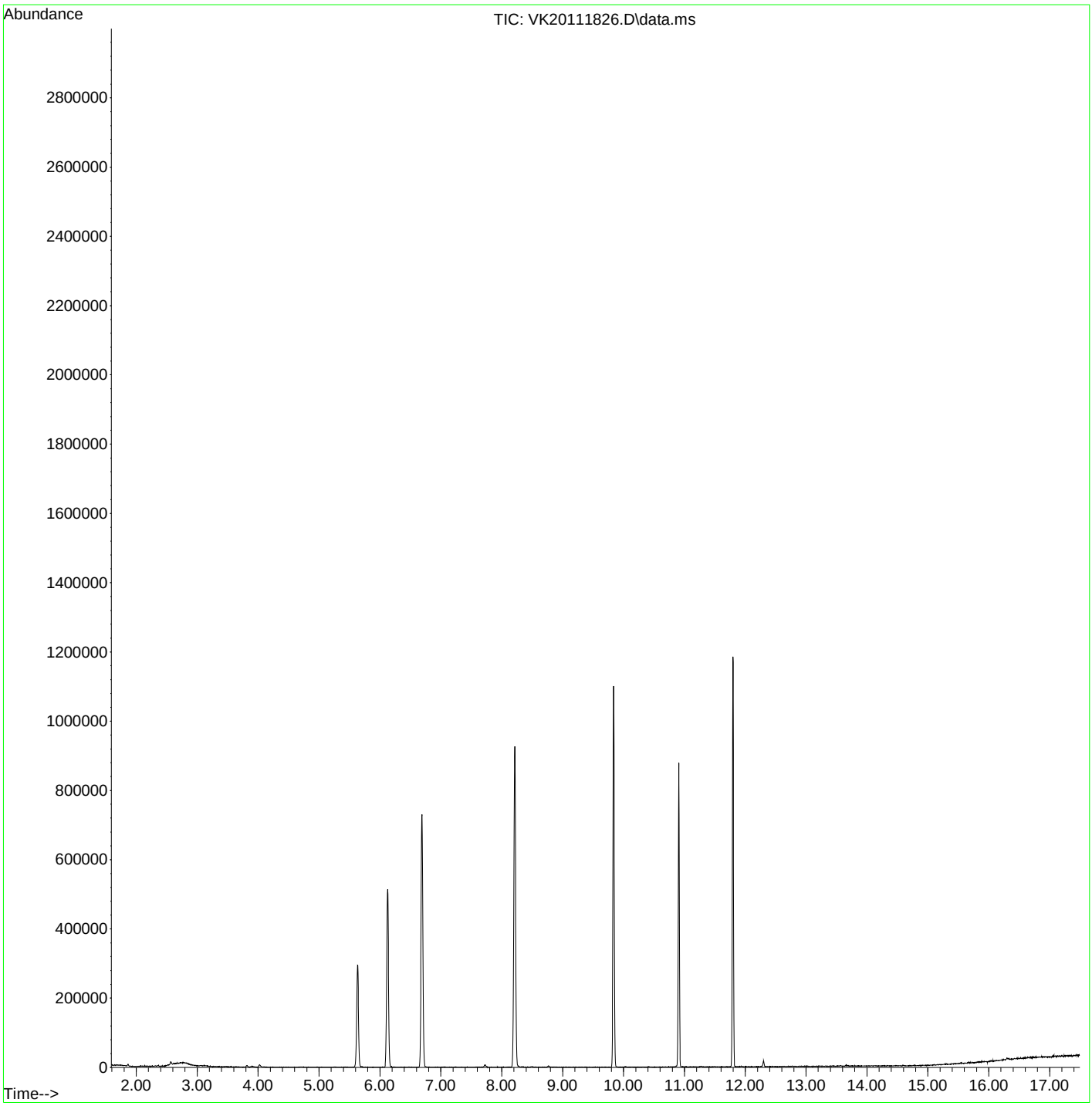
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene (I)	6.127	99	219257	50.00 ug/L	# 0.00
43) Chlorobenzene-d5 (I)	9.838	117	579032	50.00 ug/L	0.00
63) 1,4-Dichlorobenzene-d4...	11.798	152	253892	50.00 ug/L	0.00
System Monitoring Compounds					
30) Dibromofluoromethane (S)	5.632	111	189848	48.10 ug/L	0.00
37) 1,4-Difluorobenzene (S)	6.693	114	647291	46.27 ug/L	0.00
45) Toluene-d8 (S)	8.215	98	698487	48.81 ug/L	0.00
64) 4-Bromofluorobenzene (S)	10.906	174	196337	49.22 ug/L	0.00
Target Compounds					Qvalue
3) Chloromethane	1.902	50	440	0.13 ug/L #	50
5) Bromomethane	2.359	96	954	0.88 ug/L #	71
8) Ethanol	3.424	45	54	Below Cal #	29
12) Iodomethane	3.338	142	284	1.04 ug/L	73
13) Methylene Chloride	3.817	84	1955	0.65 ug/L	90
14) Acetone	3.896	43	1341	1.10 ug/L	88
18) tert-Butanol (TBA)	4.357	59	91	0.15 ug/L #	1
32) 2-Butanone (MEK)	5.770	43	168	0.09 ug/L	52
46) Toluene	8.271	91	2106	0.14 ug/L	70

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K18045\
Data File : VK20111826.D
Acq On : 18 Nov 2020 08:29 pm
Operator : PS
Sample : A0K0482-15
Misc : 50X 5g/5mL 1000uL/50mL BTEX+HALO6
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Nov 19 10:17:34 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Sun Nov 15 15:53:18 2020
Response via : Initial Calibration



Selected Volatile Organic Compounds by EPA 5035A/8260D
Benchsheet & Analysis Sequence Data (Sediment)

Batch 0110717
Sequence 0K19062 (A0K0482-16RE1,17RE1,18RE1,19RE1,20RE1)

PREPARATION BENCH SHEET

BATCH #: 0110717 (Soil)

Apex Laboratories

Prep Method: EPA 5035A

Lab Number	Cont.	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	ClientID / Sample	Extraction Comments	pH*
0110717-BLK1		QC	11/19/20 09:00	7.5	5							
0110717-BS1		QC	11/19/20 09:00	5	5	A20K254		250				
0110717-BS2		QC	11/19/20 09:00	5	5	A20J281		25				
A0K0477-20RE1	C	8260D BTEX+Halo6	(Date Sampled)	1.38	5					USMPDI-014SC-B-04-06-20110	FP 50X (Q06) BTEX+HALO6	
A0K0477-21RE1	C	8260D BTEX+Halo6	(Date Sampled)	5.15	5					USMPDI-014SC-B-06-08-20110	FP 50X (Q06) BTEX+HALO6	
A0K0477-22RE1	C	8260D BTEX+Halo6	(Date Sampled)	4.21	5					USMPDI-014SC-B-08-10-20110	FP 50X (Q06) BTEX+HALO6	
A0K0477-23RE1	B	8260D BTEX+Halo6	(Date Sampled)	4.95	5					USMPDI-014SC-B-10-12-20110	FP 50X (Q06) BTEX+HALO6	
A0K0477-24RE1	B	8260D BTEX+Halo6	(Date Sampled)	3.61	5					USMPDI-014SC-B-12-14-20110	FP 50X (Q06) BTEX+HALO6	
A0K0477-25RE1	C	8260D BTEX+Halo6	(Date Sampled)	4.89	5					USMPDI-014SC-B-14-16-20110	FP 50X (Q06) BTEX+HALO6	
A0K0477-26RE1	C	8260D BTEX+Halo6	(Date Sampled)	5.1	5					USMPDI-014SC-B-16-17.3-201	FP 50X (Q06) BTEX+HALO6	
A0K0477-31RE1	C	8260D BTEX+Halo6	(Date Sampled)	4.83	5					USMPDI-057SC-B-00-02-20110	FP 50X (Q06) BTEX+HALO6	
A0K0477-32RE1	B	8260D BTEX+Halo6	(Date Sampled)	4.43	5					USMPDI-057SC-B-02-04-20110	FP 50X (Q06) BTEX+HALO6	
A0K0477-33RE1	B	8260D BTEX+Halo6	(Date Sampled)	6.48	5					USMPDI-057SC-B-04-06-20110	FP 50X (Q06) BTEX+HALO6	
A0K0477-34RE1	B	8260D BTEX+Halo6	(Date Sampled)	6.13	5					USMPDI-057SC-B-06-08-20110	FP 50X (Q06) BTEX+HALO6	
A0K0477-35RE1	F	8260D BTEX+Halo6	(Date Sampled)	4.13	5					USMPDI-057SC-B-08-10-20110	FP 50X (Q06) BTEX+HALO6	
0110717-MS1		QC	11/09/20 09:20	4.13 ✓	5	A20K254	A0K0477-35RE1	276 ✓	✓		TS = 87.5% @50X	
0110717-MSD1		QC	11/09/20 09:20	4.13 ✓	5	A20K254	A0K0477-35RE1	276 ✓	✓		TS = 87.5% @50X	
A0K0477-36RE1	C	8260D BTEX+Halo6	(Date Sampled)	5.65	5					USMPDI-057SC-B-10-12-20110	FP 50X (Q06) BTEX+HALO6	
A0K0477-37RE1	C	8260D BTEX+Halo6	(Date Sampled)	5.91	5					USMPDI-057SC-B-12-13.5-201	FP 50X (Q06) BTEX+HALO6	
A0K0482-16RE1	B	8260D BTEX+Halo6	(Date Sampled)	6	5					USMPDI-006SC-D-02-04-20111	FP 50X (Q06) BTEX+HALO6	
A0K0482-17RE1	B	8260D BTEX+Halo6	(Date Sampled)	5.37	5					USMPDI-006SC-D-04-06-20111	FP 50X (Q06) BTEX+HALO6	
A0K0482-18RE1	C	8260D BTEX+Halo6	(Date Sampled)	4.72	5					USMPDI-006SC-D-06-08-20111	FP 50X (Q06) BTEX+HALO6	

IMA 12/30/20
Prepared By: Date

12/30/20
Reviewed By: Date

Printed: 12/30/2020 2:00:46PM

PREPARATION BENCH SHEET

BATCH #: 0110717 (Soil)

Apex Laboratories

Prep Method: EPA 5035A

Lab Number	Cont.	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	ClientID / Sample	Extraction Comments	pH*
A0K0482-19RE1	C	8260D BTEX+Halo6	(Date Sampled)	5.36	5					USMPDI-006SC-D-08-10-20111	FP 50X (Q06) BTEX+HALO6	
A0K0482-20RE1	C	8260D BTEX+Halo6	(Date Sampled)	6.3	5					USMPDI-006SC-D-10-12-20111	FP 50X (Q06) BTEX+HALO6	

*pH <2 verified_____

Standards/Reagents

Reagent(s)

Std ID	Exp. Date	Description
A18J327	11/30/23	Balance s/n 593312
A20I374	03/24/21	Methanol - Fisher (P/T) #198330

Analyte Spike(s)

Std ID	Exp. Date	Description
A20J281	04/14/21	Prime. NWTPH-Gx stock (5000 ug/mL)
A20K254	12/02/20	8260 Cal. Std. B VOCR+OXY Spike (20-40ug/n

Surrogate(s)

Std ID	Exp. Date	Description

SOIL MS6

Prepared By: Date

Reviewed By: Date

Volatile Soils Matrix Spike Volume Calculation (Validated 5/3/2013)
Enter the Spike Amount value into the Bench Sheet to ensure correct MS/MSD recoveries.

Batch: 110717

Matrix Spike

Sample Weight	Final Volume	Dilution	Dry Weight
g	mL		%
4.130	5	50	87.5

Final Spike Level	**Spike Amount**
ug/kg	**ul**
1526.46	**276**

Assumptions:
Spiking Solution = 20ug/mL
Spike Amount into 50mL = 50ul
Dilution = 1mL of MeOH to 50mL of water
Initial Spike Concentration = 20ug/L

A0K0903-16

ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **0K19062** Instrument: **VOA-GCMS6**

Date: **11/19/20 14:39** Calibration: **A0K1904**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0K19062-IBL1	Soil	QC	QC			A20G347	
2	0K19062-TUN1	Soil	QC	QC			A20G347	
3	0K19062-CCV1	Soil	QC	QC			A20G347	
4	0110717-BS1	Soil	QC	QC		0110717	A20G347	
5	0K19062-CCV2	Soil	QC	QC			A20G347	
6	0110717-BS2	Soil	QC	QC		0110717	A20G347	
7	0110717-BLK1	Soil	QC	QC		0110717	A20G347	
8	A0K0477-22RE1	Soil	8260D BTEX+Halo6	Anchor QEA, LLC	11/23/20	0110717	A20G347	
9	A0K0477-23RE1	Soil	8260D BTEX+Halo6	Anchor QEA, LLC	11/23/20	0110717	A20G347	
10	A0K0477-32RE1	Soil	8260D BTEX+Halo6	Anchor QEA, LLC	11/23/20	0110717	A20G347	
11	A0K0477-33RE1	Soil	8260D BTEX+Halo6	Anchor QEA, LLC	11/23/20	0110717	A20G347	
12	0K19062-IBL2	Soil	QC	QC			A20G347	
13	A0K0477-20RE1	Soil	8260D BTEX+Halo6	Anchor QEA, LLC	11/23/20	0110717	A20G347	
14	A0K0477-21RE1	Soil	8260D BTEX+Halo6	Anchor QEA, LLC	11/23/20	0110717	A20G347	
15	A0K0477-24RE1	Soil	8260D BTEX+Halo6	Anchor QEA, LLC	11/23/20	0110717	A20G347	
16	A0K0477-25RE1	Soil	8260D BTEX+Halo6	Anchor QEA, LLC	11/23/20	0110717	A20G347	
17	A0K0477-26RE1	Soil	8260D BTEX+Halo6	Anchor QEA, LLC	11/23/20	0110717	A20G347	
18	A0K0477-31RE1	Soil	8260D BTEX+Halo6	Anchor QEA, LLC	11/23/20	0110717	A20G347	
19	A0K0477-34RE1	Soil	8260D BTEX+Halo6	Anchor QEA, LLC	11/23/20	0110717	A20G347	
20	A0K0477-36RE1	Soil	8260D BTEX+Halo6	Anchor QEA, LLC	11/23/20	0110717	A20G347	
21	A0K0477-37RE1	Soil	8260D BTEX+Halo6	Anchor QEA, LLC	11/23/20	0110717	A20G347	
22	A0K0482-16RE1	Soil	8260D BTEX+Halo6	Anchor QEA, LLC	11/24/20	0110717	A20G347	
23	A0K0482-17RE1	Soil	8260D BTEX+Halo6	Anchor QEA, LLC	11/24/20	0110717	A20G347	
24	A0K0482-18RE1	Soil	8260D BTEX+Halo6	Anchor QEA, LLC	11/24/20	0110717	A20G347	
25	A0K0482-19RE1	Soil	8260D BTEX+Halo6	Anchor QEA, LLC	11/24/20	0110717	A20G347	
26	A0K0482-20RE1	Soil	8260D BTEX+Halo6	Anchor QEA, LLC	11/24/20	0110717	A20G347	
27	0K19062-IBL3	Soil	QC	QC			A20G347	
28	A0K0477-35RE1	Soil	8260D BTEX+Halo6	Anchor QEA, LLC	11/23/20	0110717	A20G347	
29	0110717-MS1	Soil	QC	QC		0110717	A20G347	
30	0110717-MSD1	Soil	QC	QC		0110717	A20G347	
31	0K19062-IBL4	Soil	QC	QC			A20G347	

Data Entered By/Date: IMA 12/30/20

Comments:

Data Reviewed By/Date: MM 12/30/20

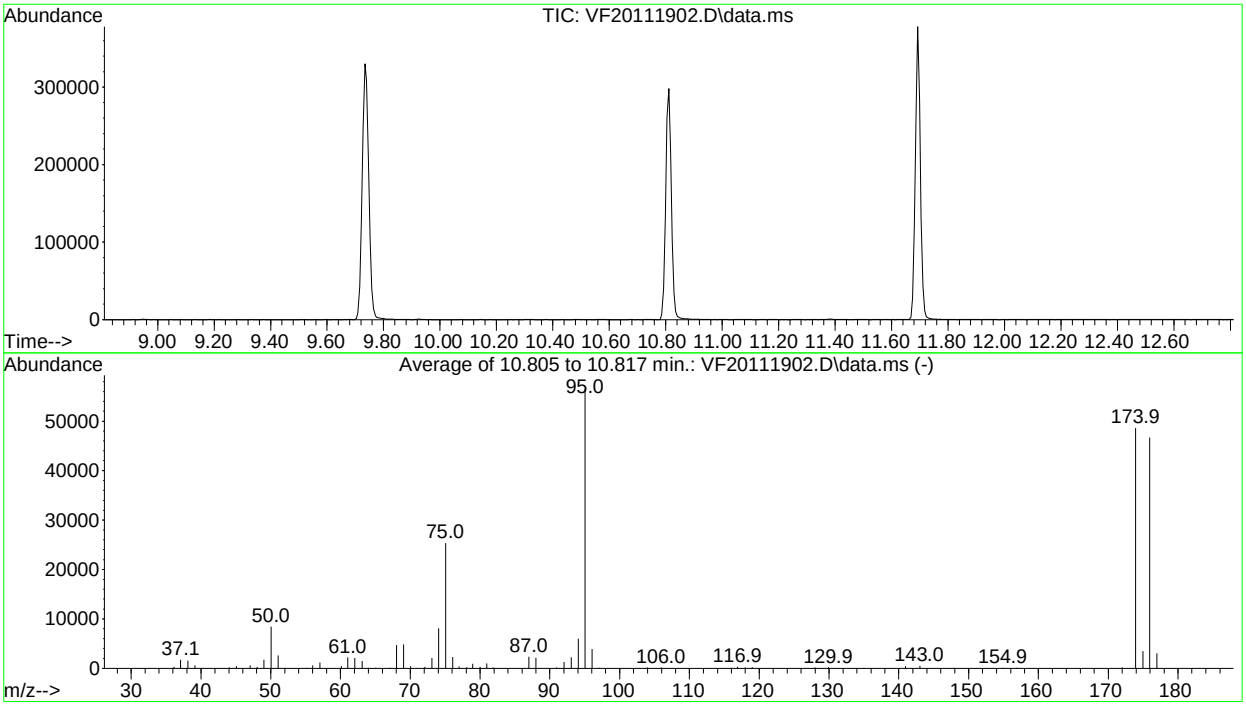
BFB

Data Path : Y:\DATA\2020-11\0K19062\
Data File : VF20111902.D
Acq On : 19 Nov 2020 3:42 pm
Operator : IMA
Sample : 0K19062-TUN1
Misc : A20G253 IS/SURR
ALS Vial : 2 Sample Multiplier: 1

IMA
11/20/20

Integration File: RTEINT.P

Method : Y:\METHODS\VF201119S.M
Title : EPA 8260: Volatile Organic Compounds
Last Update : Thu Nov 19 16:36:27 2020



AutoFind: Scans 1532, 1533, 1534; Background Corrected with Scan 1525

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	174	50	200	116.1	56467	PASS
96	95	5	9	6.9	3905	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	200	86.1	48616	PASS
175	174	5	9	7.1	3442	PASS
176	174	95	105	96.1	46696	PASS
177	176	5	10	6.5	3054	PASS

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K19062\
Data File : VF20111902.D
Acq On : 19 Nov 2020 3:42 pm
Operator : IMA
Sample : 0K19062-TUN1
Misc : A20G253 IS/SURR
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 20 14:56:04 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration

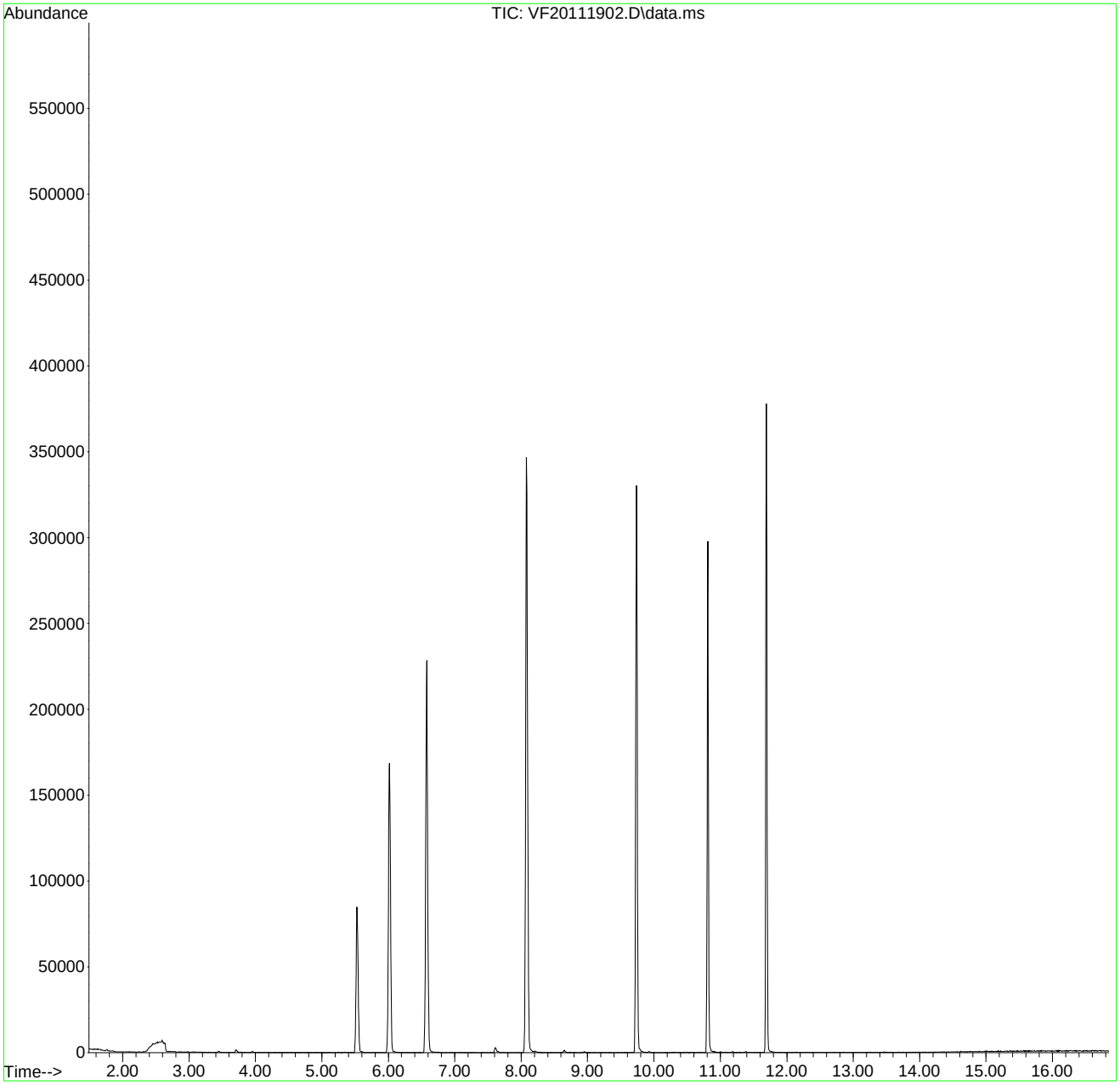
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (I)	6.013	99	68918	50.00	ug/L	0.00
43) Chlorobenzene-d5 (I)	9.734	117	191484	50.00	ug/L	0.00
63) 1,4-Dichlorobenzene-d4...	11.693	152	84311	50.00	ug/L	0.00
System Monitoring Compounds						
30) Dibromofluoromethane (S)	5.526	111	57324	47.97	ug/L	0.00
37) 1,4-Difluorobenzene (S)	6.578	114	219033	51.50	ug/L	0.00
45) Toluene-d8 (S)	8.080	98	273809	49.80	ug/L	0.00
64) 4-Bromofluorobenzene (S)	10.811	174	76660	52.26	ug/L	0.00
Target Compounds						Qvalue
13) Methylene Chloride	3.714	84	798	0.59	ug/L #	75
46) Toluene	8.141	91	665	0.10	ug/L	72
58) m,p-Xylenes (2)	9.917	91	598	0.13	ug/L	79
74) 1,2,4-Trimethylbenzene	11.388	105	431	0.11	ug/L	82
75) sec-Butylbenzene	11.388	105	431	0.09	ug/L	57

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K19062\
Data File : VF20111902.D
Acq On : 19 Nov 2020 3:42 pm
Operator : IMA
Sample : 0K19062-TUN1
Misc : A20G253 IS/SURR
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 20 14:56:04 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data Path : Y:\DATA\2020-11\0K19062\
Data File : VF20111903.D
Acq On : 19 Nov 2020 4:09 pm
Operator : IMA
Sample : 0110717-BS1
Misc : 50X 5g/5mL 1000uL/50mL VOCR+MeOH A20J254
ALS Vial : 3 Sample Multiplier: 1

IMA
11/20/20

Quant Time: Nov 20 14:56:54 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene (I)	50.000	50.000	0.0	102	0.00
2		Dichlorodifluoromethane	20.000	18.977	5.1	102	0.00
3	P	Chloromethane	20.000	16.555	17.2	96	0.00
4	C	Vinyl Chloride	20.000	17.609	12.0	91	0.00
5		Bromomethane	20.000	17.070	14.6	96	0.00
6		Chloroethane	20.000	17.631	11.8	97	0.00
7		Trichlorofluoromethane	20.000	18.379	8.1	99	0.00
8		Ethanol	1250.000	476.409	61.9#	38	-0.02
9	C	1,1-Dichloroethene	20.000	19.406	3.0	98	0.00
10		Carbon Disulfide	20.000	20.209	-1.0	100	0.00
11		Freon 113	20.000	21.292	-6.5	103	0.00
12		Iodomethane	20.000	16.726	16.4	92	0.00
13		Methylene Chloride	20.000	18.235	8.8	99	0.00
14		Acetone	40.000	28.951	27.6#	85	0.00
15		t-1,2-Dichloroethene	20.000	19.153	4.2	95	0.00
16		n-Hexane	20.000	22.527	-12.6	112	0.00
17		Methyl-tert-butyl-ether	20.000	19.341	3.3	96	0.00
18		tert-Butanol (TBA)	1250.000	1276.192	-2.1	93	-0.01
19		Diisopropyl ether (DIPE)	5.000	4.564	8.7	90	0.00
20	P	1,1-Dichloroethane	20.000	19.418	2.9	95	0.00
21		Acrylonitrile	20.000	14.573	27.1#	68	0.00
22		Ethyl-tert-butyl ether (ETB	5.000	4.732	5.4	92	0.00
23		c-1,2-Dichloroethene	20.000	20.126	-0.6	96	0.00
24		2,2-Dichloropropane	20.000	26.801	-34.0#	136	0.00
25		Bromochloromethane	20.000	17.942	10.3	91	0.00
26	C	Chloroform	20.000	19.535	2.3	98	0.00
27		Carbon Tetrachloride	20.000	21.327	-6.6	103	0.00
28		Tetrahydrofuran	20.000	13.582	32.1#	65	0.00
29		1,1,1-Trichloroethane	20.000	21.334	-6.7	101	0.00
30	S	Dibromofluoromethane (S)	50.000	51.664	-3.3	102	0.00
31		1,1-Dichloropropene	20.000	19.975	0.1	98	0.00
32		2-Butanone (MEK)	40.000	26.615	33.5#	62	0.00
33		Benzene	20.000	19.285	3.6	97	-0.01
34		tert-Amyl methyl ether (TAM	5.000	4.968	0.6	96	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\DATA\2020-11\0K19062\
Data File : VF20111903.D
Acq On : 19 Nov 2020 4:09 pm
Operator : IMA
Sample : 0110717-BS1
Misc : 50X 5g/5mL 1000uL/50mL VOCR+MeOH A20J254
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 20 14:56:54 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
35		1,2-Dichloroethane (EDC)	20.000	19.257	3.7	96	0.00
36		iso-Butyl Alcohol	500.000	441.056	11.8	87	0.00
37	S	1,4-Difluorobenzene (S)	50.000	50.751	-1.5	104	0.00
38		Trichloroethene (TCE)	20.000	21.332	-6.7	104	0.00
39		tert-Amyl ethyl ether (TAEE	5.000	4.930	1.4	96	0.00
40		Dibromomethane	20.000	20.076	-0.4	102	0.00
41	C	1,2-Dichloropropane	20.000	19.396	3.0	97	0.00
42		Bromodichloromethane	20.000	20.831	-4.2	97	0.00
43		Chlorobenzene-d5 (I)	50.000	50.000	0.0	103	0.00
44		c-1,3-Dichloropropene	20.000	19.547	2.3	105	0.00
45	S	Toluene-d8 (S)	50.000	49.393	1.2	103	0.00
46	C	Toluene	20.000	18.630	6.9	100	0.00
47		Tetrachloroethene (PCE)	20.000	21.249	-6.2	107	0.00
48		4-Methyl-2-Pentanone (MIBK)	40.000	38.005	5.0	89	0.00
49		t-1,3-Dichloropropene	20.000	19.425	2.9	105	0.00
50		1,1,2-Trichloroethane	20.000	20.199	-1.0	101	0.00
51		Dibromochloromethane	20.000	18.899	5.5	104	0.00
52		1,3-Dichloropropane	20.000	19.586	2.1	98	0.00
53		1,2-Dibromoethane (EDB)	20.000	20.316	-1.6	101	0.00
54		2-Hexanone	40.000	36.279	9.3	88	0.00
55	P	Chlorobenzene	20.000	19.654	1.7	103	0.00
56	C	Ethylbenzene	20.000	20.702	-3.5	101	-0.01
57		1,1,1,2-Tetrachloroethane	20.000	19.694	1.5	105	0.00
58		m,p-Xylenes (2)	40.000	41.751	-4.4	101	0.00
59		o-Xylene	20.000	21.270	-6.3	100	0.00
60		Styrene	20.000	21.239	-6.2	102	0.00
61	P	Bromoform	20.000	18.629	6.9	106	0.00
62		Isopropylbenzene	20.000	21.799	-9.0	103	0.00
63	I	1,4-Dichlorobenzene-d4 (I)	50.000	50.000	0.0	107	0.00
64	S	4-Bromofluorobenzene (S)	50.000	49.723	0.6	106	0.00
65		Bromobenzene	20.000	20.734	-3.7	106	0.00
66		n-Propylbenzene	20.000	19.534	2.3	100	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\DATA\2020-11\0K19062\
Data File : VF20111903.D
Acq On : 19 Nov 2020 4:09 pm
Operator : IMA
Sample : 0110717-BS1
Misc : 50X 5g/5mL 1000uL/50mL VOCR+MeOH A20J254
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 20 14:56:54 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
67 P	1,1,2,2-Tetrachloroethane	20.000	18.926	5.4	97	0.00
68	2-Chlorotoluene	20.000	20.733	-3.7	105	0.00
69	1,3,5-Trimethylbenzene	20.000	21.022	-5.1	102	0.00
70	1,2,3-Trichloropropane	20.000	19.758	1.2	102	0.00
71	t-1,4-Dichloro-2-butene	20.000	19.755	1.2	116	0.00
72	4-Chlorotoluene	20.000	20.406	-2.0	97	-0.01
73	tert-Butylbenzene	20.000	19.848	0.8	100	-0.01
74	1,2,4-Trimethylbenzene	20.000	21.130	-5.6	104	-0.01
75	sec-Butylbenzene	20.000	20.828	-4.1	103	0.00
76	4-Isopropyltoluene	20.000	21.210	-6.1	104	0.00
77	1,3-Dichlorobenzene	20.000	20.997	-5.0	106	-0.01
78	1,4-Dichlorobenzene	20.000	19.174	4.1	105	0.00
79	n-Butylbenzene	20.000	20.429	-2.1	100	-0.01
80	1,2-Dichlorobenzene	20.000	20.337	-1.7	103	0.00
81	1,2-Dibromo-3-Chloropropane	20.000	18.336	8.3	100	0.00
82	Hexachlorobutadiene	20.000	21.335	-6.7	111	0.00
83	1,2,4-Trichlorobenzene	20.000	20.166	-0.8	108	0.00
84	Naphthalene	20.000	18.880	5.6	102	0.00
85	1,2,3-Trichlorobenzene	20.000	20.594	-3.0	105	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K19062\
Data File : VF20111903.D
Acq On : 19 Nov 2020 4:09 pm
Operator : IMA
Sample : 0110717-BS1
Misc : 50X 5g/5mL 1000uL/50mL VOCR+MeOH A20J254
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 20 14:56:54 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.018	99	70239	50.00	ug/L		0.00
43) Chlorobenzene-d5 (I)	9.739	117	197018	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.692	152	93994	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.531	111	62919	51.66	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.577	114	220004	50.75	ug/L		0.00
45) Toluene-d8 (S)	8.079	98	279418	49.39	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.810	174	81316	49.72	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.603	85	20648	18.98	ug/L		99
3) Chloromethane	1.809	50	23695	16.55	ug/L		97
4) Vinyl Chloride	1.895	62	16800	17.61	ug/L		99
5) Bromomethane	2.253	96	14806	17.07	ug/L		98
6) Chloroethane	2.381	64	6291	17.63	ug/L		73
7) Trichlorofluoromethane	2.515	101	10859	18.38	ug/L		96
8) Ethanol	3.172	45	7941	476.41	ug/L		85
9) 1,1-Dichloroethene	3.080	61	33658	19.41	ug/L		89
10) Carbon Disulfide	3.099	76	44774	20.21	ug/L		99
11) Freon 113	3.129	101	23707	21.29	ug/L		84
12) Iodomethane	3.232	142	9925	16.73	ug/L		95
13) Methylene Chloride	3.713	84	25188	18.23	ug/L		92
14) Acetone	3.792	43	12549	28.95	ug/L		92
15) t-1,2-Dichloroethene	3.877	61	35931	19.15	ug/L		92
16) n-Hexane	3.956	86	5927	22.53	ug/L		95
17) Methyl-tert-butyl-ether	4.011	73	82025	19.34	ug/L		98
18) tert-Butanol (TBA)	4.169	59	225365	1276.19	ug/L	#	96
19) Diisopropyl ether (DIPE)	4.400	45	18782	4.56	ug/L		94
20) 1,1-Dichloroethane	4.509	63	48901	19.42	ug/L		98
21) Acrylonitrile	4.582	53	8965	14.57	ug/L		93
22) Ethyl-tert-butyl ether...	4.771	59	19420	4.73	ug/L		97
23) c-1,2-Dichloroethene	5.063	61	36656	20.13	ug/L		94
24) 2,2-Dichloropropane	5.166	77	32716	26.80	ug/L		93
25) Bromochloromethane	5.264	49	17515	17.94	ug/L		83
26) Chloroform	5.349	83	48163	19.53	ug/L		98
27) Carbon Tetrachloride	5.470	117	27615	21.33	ug/L		96

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K19062\
Data File : VF20111903.D
Acq On : 19 Nov 2020 4:09 pm
Operator : IMA
Sample : 0110717-BS1
Misc : 50X 5g/5mL 1000uL/50mL VOCR+MeOH A20J254
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 20 14:56:54 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
28) Tetrahydrofuran	5.513	42	8018	13.58	ug/L		92
29) 1,1,1-Trichloroethane	5.537	97	39916	21.33	ug/L		97
31) 1,1-Dichloropropene	5.671	75	38061	19.98	ug/L		99
32) 2-Butanone (MEK)	5.665	43	20992	26.61	ug/L		83
33) Benzene	5.926	78	124575	19.28	ug/L		99
34) tert-Amyl methyl ether...	6.054	73	18373	4.97	ug/L		95
35) 1,2-Dichloroethane (EDC)	6.145	62	38863	19.26	ug/L		99
36) iso-Butyl Alcohol	6.212	43	33886	441.06	ug/L		94
38) Trichloroethene (TCE)	6.547	130	31636	21.33	ug/L		95
39) tert-Amyl ethyl ether ...	6.802	59	12864	4.93	ug/L		96
40) Dibromomethane	6.997	93	17422	20.08	ug/L		88
41) 1,2-Dichloropropane	7.100	63	29836	19.40	ug/L		98
42) Bromodichloromethane	7.179	83	29542	20.83	ug/L		96
44) c-1,3-Dichloropropene	7.879	75	40374	19.55	ug/L		93
46) Toluene	8.140	91	132712	18.63	ug/L		99
47) Tetrachloroethene (PCE)	8.590	166	29838	21.25	ug/L		99
48) 4-Methyl-2-Pentanone (...	8.590	43	60170	38.00	ug/L		94
49) t-1,3-Dichloropropene	8.633	75	36201	19.42	ug/L		99
50) 1,1,2-Trichloroethane	8.809	97	28868	20.20	ug/L		96
51) Dibromochloromethane	8.998	129	22207	18.90	ug/L		97
52) 1,3-Dichloropropane	9.101	76	50947	19.59	ug/L		91
53) 1,2-Dibromoethane (EDB)	9.241	107	28188	20.32	ug/L		98
54) 2-Hexanone	9.472	43	38858	36.28	ug/L		93
55) Chlorobenzene	9.752	112	83862	19.65	ug/L		100
56) Ethylbenzene	9.776	91	135856	20.70	ug/L		96
57) 1,1,1,2-Tetrachloroethane	9.812	131	24670	19.69	ug/L		97
58) m,p-Xylenes (2)	9.916	91	199900	41.75	ug/L		98
59) o-Xylene	10.299	91	99494	21.27	ug/L		99
60) Styrene	10.348	104	76802	21.24	ug/L		98
61) Bromoform	10.372	173	14771	18.63	ug/L		98
62) Isopropylbenzene	10.566	105	118092	21.80	ug/L		98
65) Bromobenzene	10.895	156	32549	20.73	ug/L		95
66) n-Propylbenzene	10.913	91	131146	19.53	ug/L		96
67) 1,1,2,2-Tetrachloroethane	10.980	83	36204	18.93	ug/L		98
68) 2-Chlorotoluene	11.041	126	27992	20.73	ug/L		86
69) 1,3,5-Trimethylbenzene	11.071	105	90289	21.02	ug/L		99
70) 1,2,3-Trichloropropane	11.083	110	13078	19.76	ug/L	#	82
71) t-1,4-Dichloro-2-butene	11.120	88	3822	19.75	ug/L	#	87

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K19062\
Data File : VF20111903.D
Acq On : 19 Nov 2020 4:09 pm
Operator : IMA
Sample : 0110717-BS1
Misc : 50X 5g/5mL 1000uL/50mL VOCR+MeOH A20J254
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 20 14:56:54 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration

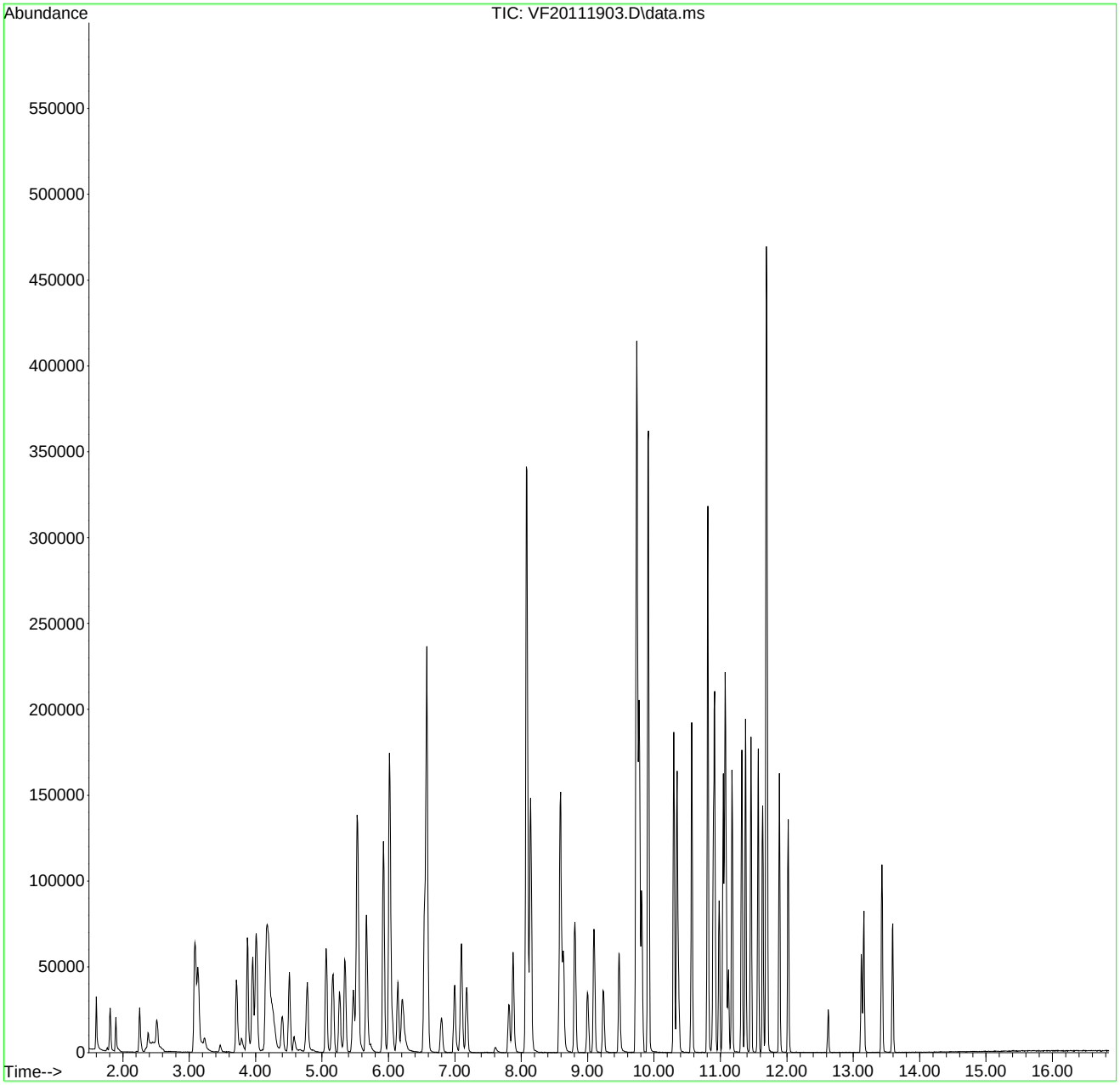
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 4-Chlorotoluene	11.175	91	82352	20.41	ug/L	99
73) tert-Butylbenzene	11.321	91	47844	19.85	ug/L	93
74) 1,2,4-Trimethylbenzene	11.375	105	93181	21.13	ug/L	99
75) sec-Butylbenzene	11.460	105	106452	20.83	ug/L	98
76) 4-Isopropyltoluene	11.570	119	89389	21.21	ug/L	97
77) 1,3-Dichlorobenzene	11.637	146	52461	21.00	ug/L	98
78) 1,4-Dichlorobenzene	11.704	146	53584	19.17	ug/L	99
79) n-Butylbenzene	11.886	91	72022	20.43	ug/L	99
80) 1,2-Dichlorobenzene	12.020	146	48351	20.34	ug/L	99
81) 1,2-Dibromo-3-Chloropr...	12.622	157	6049	18.34	ug/L	88
82) Hexachlorobutadiene	13.127	223	6952	21.34	ug/L	94
83) 1,2,4-Trichlorobenzene	13.157	180	25395	20.17	ug/L	97
84) Naphthalene	13.431	128	80874	18.88	ug/L	98
85) 1,2,3-Trichlorobenzene	13.595	180	24103	20.59	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K19062\
Data File : VF20111903.D
Acq On : 19 Nov 2020 4:09 pm
Operator : IMA
Sample : 0110717-BS1
Misc : 50X 5g/5mL 1000uL/50mL VOCR+MeOH A20J254
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 20 14:56:54 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data Path : Y:\DATA\2020-11\0K19062\
Data File : VF20111904.D
Acq On : 19 Nov 2020 4:37 pm
Operator : IMA
Sample : 0110717-BS2
Misc : 50X 5g/5mL 1000uL/50mL GX+MeOH A20J182
ALS Vial : 4 Sample Multiplier: 1

IMA
11/20/20

Quant Time: Nov 20 14:57:09 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Nov 19 14:37:04 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene (IS)	50.000	50.000	0.0	108	0.00
2	S	1,4-Difluorobenzene (Sur)	50.000	47.987	4.0	106	0.00
3	S	4-Bromofluorobenzene (Sur)	50.000	48.899	2.2	105	0.00
4	S	Chlorobenzene-d5 (NR)	-1.000	0.000	0.0	104	0.00
5	H	NWTPH-Gx	500.000	447.578	10.5	102	0.00
6	H	TPHg (C5-C9)	500.000	445.726	10.9	100	0.00
7	H	TPHg (C6-C10)	500.000	446.727	10.7	101	0.00
8	H	CA-LUFT (C5-C12)	500.000	442.872	11.4	101	0.00
9		Benzene (NR)	-1.000	0.000	0.0	110	0.00
10	S	Toluene-d8 (NR)	-1.000	0.000	0.0	109	0.00
11	C	Toluene (NR)	-1.000	0.000	0.0	103	0.00
12	S	1,4-Dichlorobenzene-d4 (NR)	-1.000	0.000	0.0	105	0.00
13		Naphthalene (NR)	-1.000	0.000	0.0	0	-13.44#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K19062\
Data File : VF20111904.D
Acq On : 19 Nov 2020 4:37 pm
Operator : IMA
Sample : 0110717-BS2
Misc : 50X 5g/5mL 1000uL/50mL GX+MeOH A20J182
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 20 14:57:09 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Nov 19 14:37:04 2020
Response via : Initial Calibration

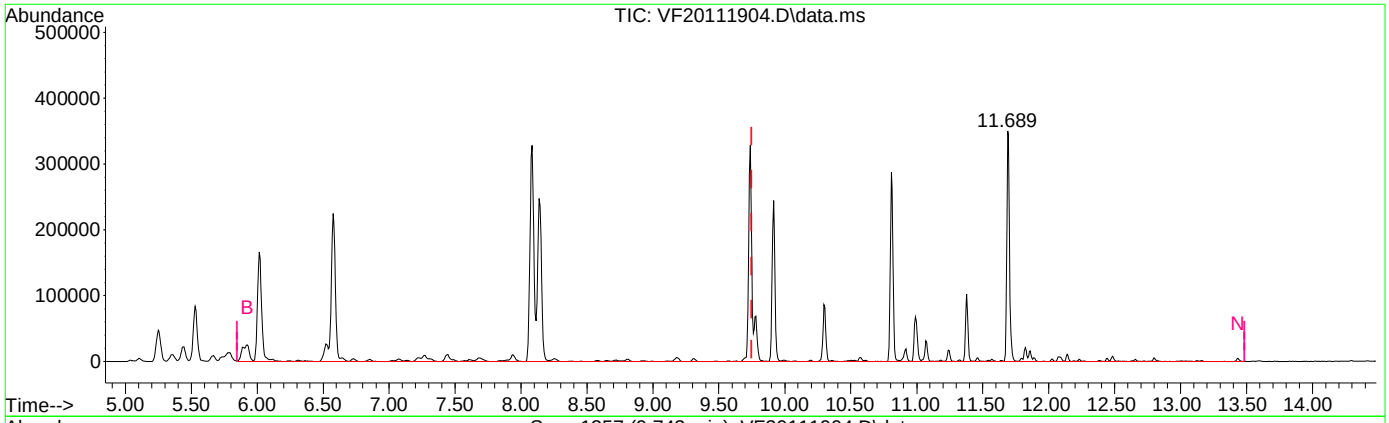
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.016	168	133470	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.575	TIC	467990	47.99	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.808	TIC	398132	48.90	ug/L	0.00
4) Chlorobenzene-d5 (NR)	9.737	TIC	518500	0.00	ug/L	0.00
10) Toluene-d8 (NR)	8.083	TIC	685444	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.689	TIC	492788	0.00	ug/L	0.00
Target Compounds						Qvalue
5) NWTPH-Gx	9.745	TIC	1853211m	447.58	ug/L	
6) TPHg (C5-C9)	9.745	TIC	2317722m	445.73	ug/L	
7) TPHg (C6-C10)	9.745	TIC	2017848m	446.73	ug/L	
8) CA-LUFT (C5-C12)	9.745	TIC	2772306m	442.87	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K19062\
Data File : VF20111904.D
Acq On : 19 Nov 2020 4:37 pm
Operator : IMA
Sample : 0110717-BS2
Misc : 50X 5g/5mL 1000uL/50mL GX+MeOH A20J182
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 20 14:57:09 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Nov 19 14:37:04 2020
Response via : Initial Calibration



TIC: VF20111904.D\data.ms

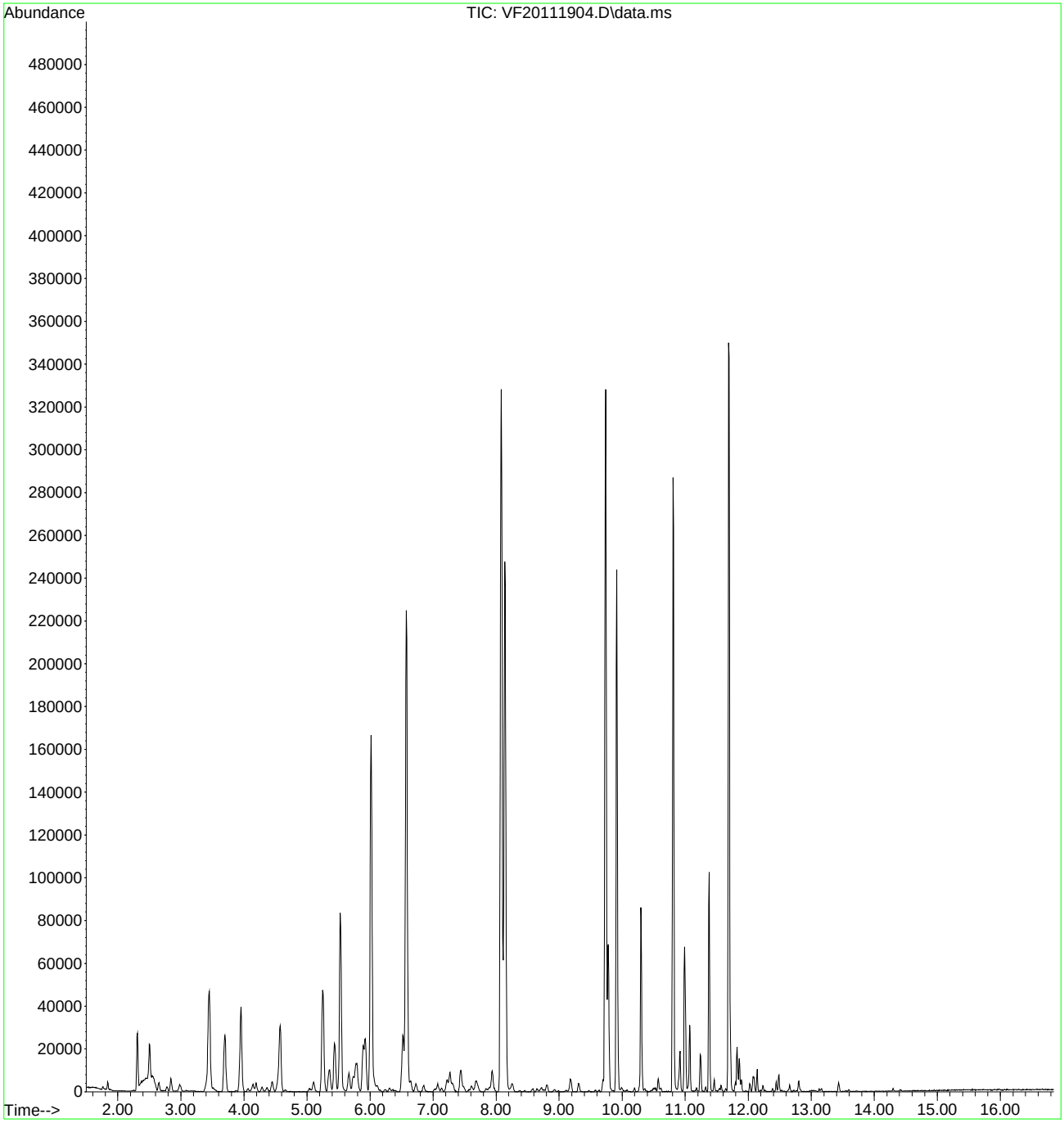
(5) NWTPH-Gx (H)

9.745min (0.000) 447.58 ug/L m

response 1853211

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

File   :Y:\DATA\2020-11\0K19062\VF20111904.D
Operator   : IMA
Acquired   : 19 Nov 2020   4:37 pm using AcqMethod VF1906RUN.M
Instrument :   VOA-GCMS6
Sample Name: 0110717-BS2
Misc Info : 50X 5g/5mL 1000uL/50mL GX+MeOH A20J182
Vial Number: 4



Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K19062\
Data File : VF20111905.D
Acq On : 19 Nov 2020 5:04 pm
Operator : IMA
Sample : 0110717-RTCHECK
Misc : 50X 5g/5mL 1000uL/50mL VPH marker
ALS Vial : 5 Sample Multiplier: 1

IMA
11/20/20

NR

Quant Time: Nov 20 14:57:47 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Nov 19 14:37:04 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.021	168	131456	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.581	TIC	449921	46.84	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.807	TIC	391756	48.85	ug/L	0.00
4) Chlorobenzene-d5 (NR)	9.737	TIC	508937	0.00	ug/L	0.00
10) Toluene-d8 (NR)	8.083	TIC	683361	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.695	TIC	469161	0.00	ug/L	0.00
Target Compounds						Qvalue
5) NWTPH-Gx	9.745	TIC	1857293m	454.87	ug/L	
6) TPHg (C5-C9)	9.745	TIC	1168519m	217.63	ug/L	
7) TPHg (C6-C10)	9.745	TIC	1072175m	234.01	ug/L	
8) CA-LUFT (C5-C12)	9.745	TIC	1995280m	321.84	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K19062\
Data File : VF20111906.D
Acq On : 19 Nov 2020 5:31 pm
Operator : IMA
Sample : 0110717-BLK1
Misc : 50X 7.5g/5mL 1000uL/50mL DI+MeOH
ALS Vial : 6 Sample Multiplier: 1

IMA
11/20/20

Quant Time: Nov 20 14:57:58 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (I)	6.018	99	65587	50.00	ug/L	0.00
43) Chlorobenzene-d5 (I)	9.734	117	179284	50.00	ug/L	0.00
63) 1,4-Dichlorobenzene-d4...	11.692	152	81678	50.00	ug/L	0.00
System Monitoring Compounds						
30) Dibromofluoromethane (S)	5.531	111	53323	46.89	ug/L	0.00
37) 1,4-Difluorobenzene (S)	6.577	114	205874	50.86	ug/L	0.00
45) Toluene-d8 (S)	8.079	98	256808	49.89	ug/L	0.00
64) 4-Bromofluorobenzene (S)	10.810	174	72817	51.24	ug/L	0.00
Target Compounds						Qvalue
13) Methylene Chloride	3.707	84	773	0.60	ug/L	# 67
46) Toluene	8.140	91	944	0.15	ug/L	89
74) 1,2,4-Trimethylbenzene	11.382	105	1283	0.33	ug/L	99
75) sec-Butylbenzene	11.382	105	1283	0.29	ug/L	70
84) Naphthalene	13.437	128	944	0.47	ug/L	78

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K19062\
Data File : VF20111906.D
Acq On : 19 Nov 2020 5:31 pm
Operator : IMA
Sample : 0110717-BLK1
Misc : 50X 7.5g/5mL 1000uL/50mL DI+MeOH
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 20 14:58:02 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Nov 19 14:37:04 2020
Response via : Initial Calibration

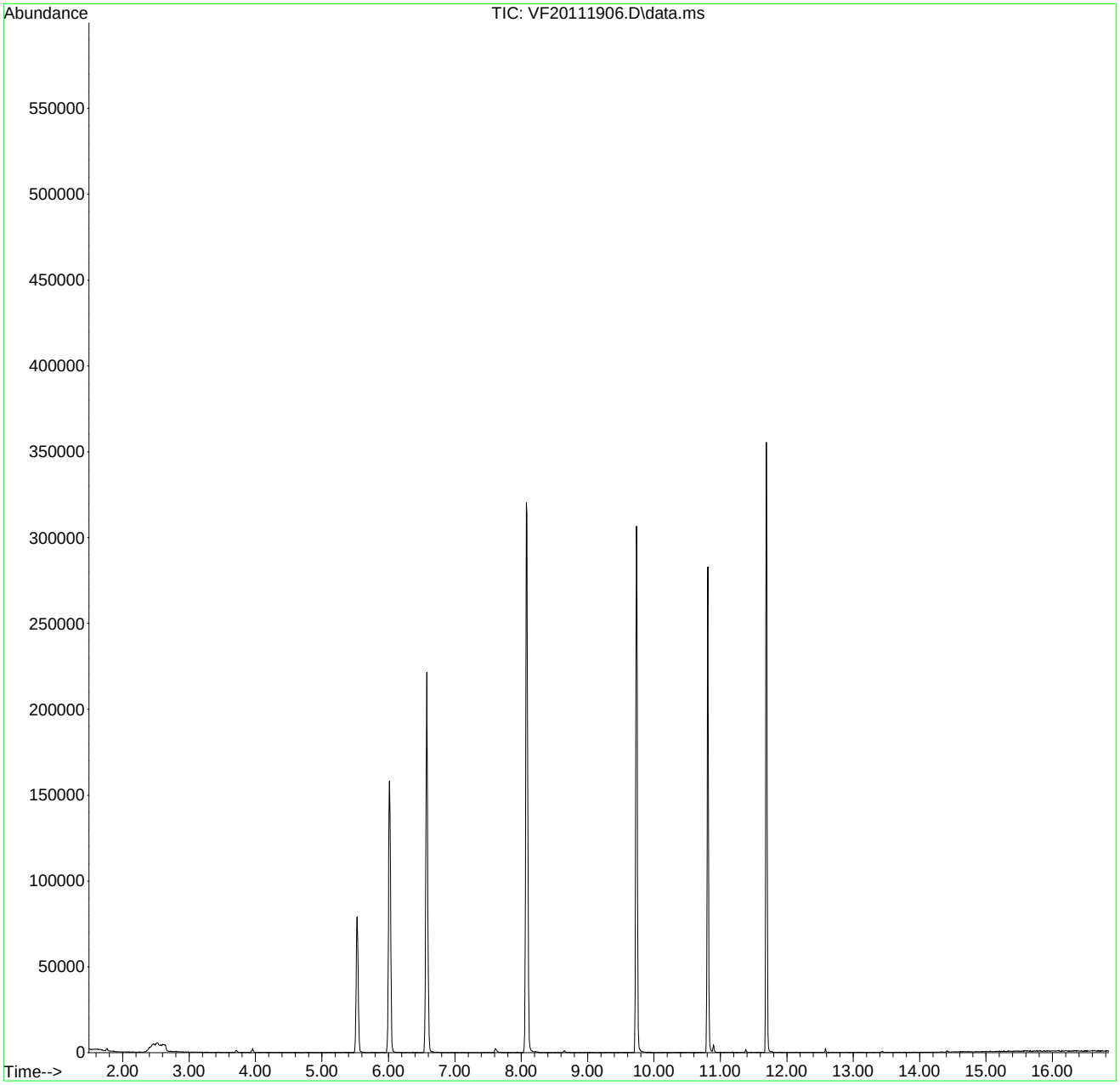
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.018	168	128301	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.577	TIC	439807	46.91	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.810	TIC	384840	49.17	ug/L	0.00
4) Chlorobenzene-d5 (NR)	9.734	TIC	495635	0.00	ug/L	0.00
10) Toluene-d8 (NR)	8.079	TIC	649831	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.692	TIC	451650	0.00	ug/L	0.00
Target Compounds						Qvalue
5) NWTPH-Gx	9.745	TIC	13991m	33.28	ug/L	
6) TPHg (C5-C9)	9.745	TIC	198971m	19.26	ug/L	
7) TPHg (C6-C10)	9.745	TIC	170738m	24.41	ug/L	
8) CA-LUFT (C5-C12)	9.745	TIC	207722m	26.57	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K19062\
Data File : VF20111906.D
Acq On : 19 Nov 2020 5:31 pm
Operator : IMA
Sample : 0110717-BLK1
Misc : 50X 7.5g/5mL 1000uL/50mL DI+MeOH
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 20 14:57:58 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K19062\
Data File : VF20111921.D
Acq On : 20 Nov 2020 12:16 am
Operator : IMA
Sample : A0K0482-16RE1
Misc : 50X 5g/5mL 1000uL/50mL BTEX+HALO6
ALS Vial : 21 Sample Multiplier: 1

IMA
11/20/20

Quant Time: Nov 20 15:00:38 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration

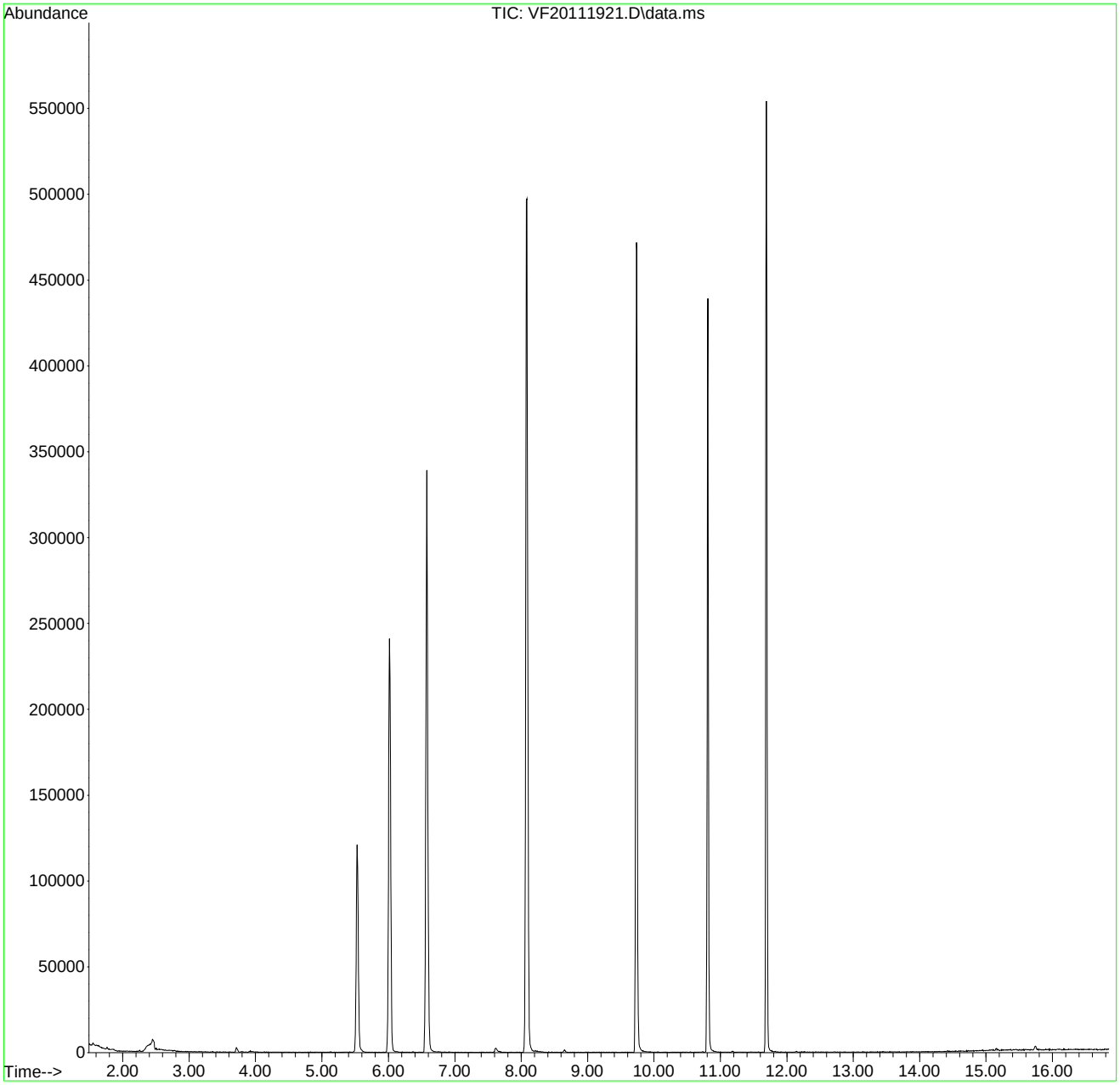
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.018	99	98046	50.00	ug/L		0.00
43) Chlorobenzene-d5 (I)	9.740	117	284636	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.692	152	126850	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.532	111	83334	49.02	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.578	114	327405	54.11	ug/L		0.00
45) Toluene-d8 (S)	8.086	98	410975	50.29	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.810	174	111487	50.51	ug/L		0.00
Target Compounds							Qvalue
5) Bromomethane	2.254	96	134	0.11	ug/L		82
13) Methylene Chloride	3.713	84	1429	0.74	ug/L		94
14) Acetone	3.792	43	297	0.49	ug/L	#	42

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K19062\
Data File : VF20111921.D
Acq On : 20 Nov 2020 12:16 am
Operator : IMA
Sample : A0K0482-16RE1
Misc : 50X 5g/5mL 1000uL/50mL BTEX+HALO6
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 20 15:00:38 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K19062\
Data File : VF20111922.D
Acq On : 20 Nov 2020 12:43 am
Operator : IMA
Sample : A0K0482-17RE1
Misc : 50X 5g/5mL 1000uL/50mL BTEX+HALO6
ALS Vial : 22 Sample Multiplier: 1

IMA
11/20/20

Quant Time: Nov 20 15:00:43 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration

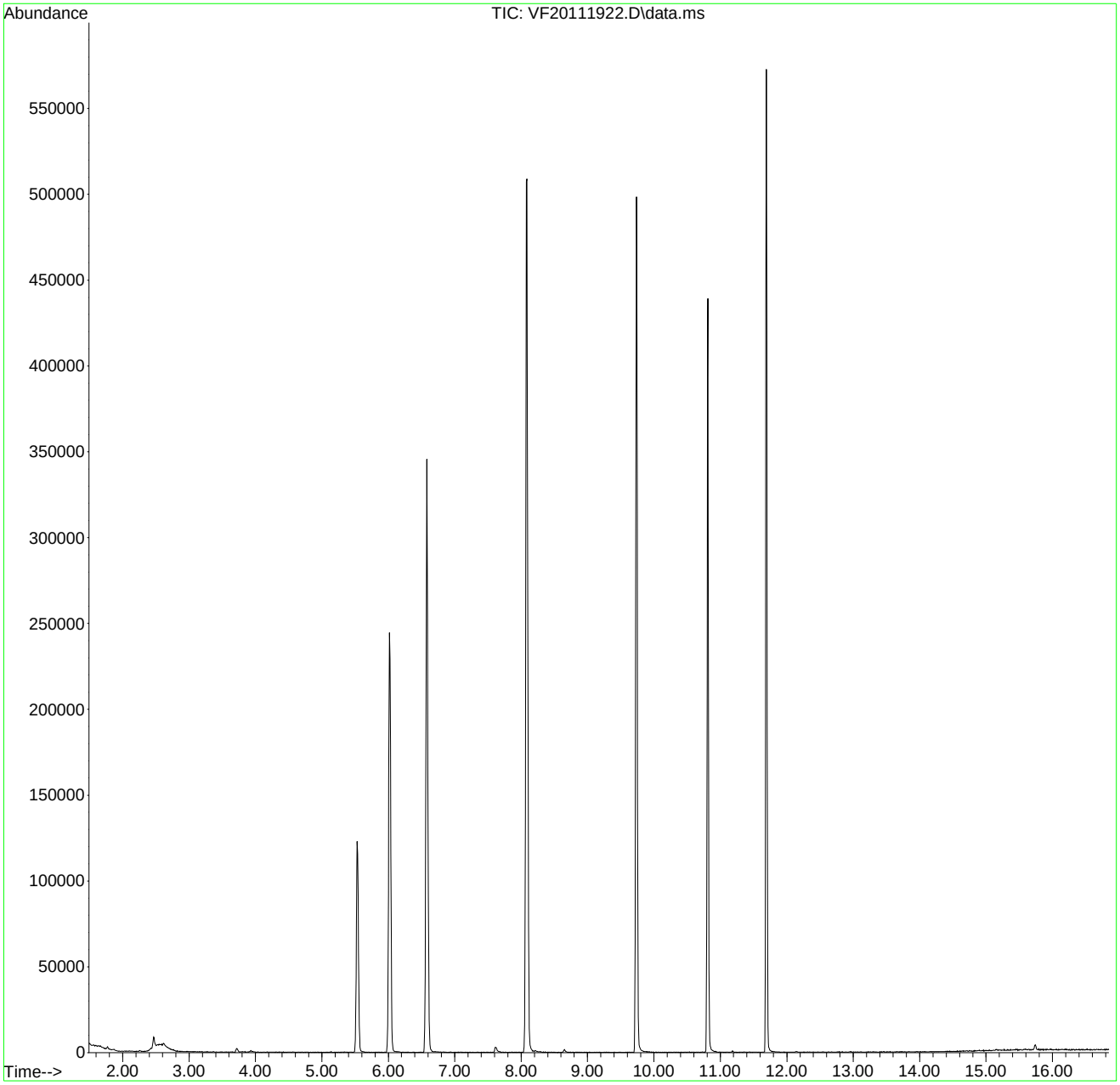
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (I)	6.019	99	99075	50.00	ug/L	0.00
43) Chlorobenzene-d5 (I)	9.734	117	289968	50.00	ug/L	0.00
63) 1,4-Dichlorobenzene-d4...	11.693	152	128972	50.00	ug/L	0.00
System Monitoring Compounds						
30) Dibromofluoromethane (S)	5.532	111	84698	49.31	ug/L	0.00
37) 1,4-Difluorobenzene (S)	6.578	114	331680	54.24	ug/L	0.00
45) Toluene-d8 (S)	8.086	98	415808	49.94	ug/L	0.00
64) 4-Bromofluorobenzene (S)	10.811	174	113464	50.56	ug/L	0.00
Target Compounds						Qvalue
5) Bromomethane	2.260	96	274	0.22	ug/L	92
13) Methylene Chloride	3.720	84	1266	0.65	ug/L	93
14) Acetone	3.805	43	473	0.77	ug/L	66

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K19062\
Data File : VF20111922.D
Acq On : 20 Nov 2020 12:43 am
Operator : IMA
Sample : A0K0482-17RE1
Misc : 50X 5g/5mL 1000uL/50mL BTEX+HALO6
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Nov 20 15:00:43 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K19062\
Data File : VF20111923.D
Acq On : 20 Nov 2020 1:10 am
Operator : IMA
Sample : A0K0482-18RE1
Misc : 50X 5g/5mL 1000uL/50mL BTEX+HALO6
ALS Vial : 23 Sample Multiplier: 1

IMA
11/20/20

Quant Time: Nov 20 15:00:48 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration

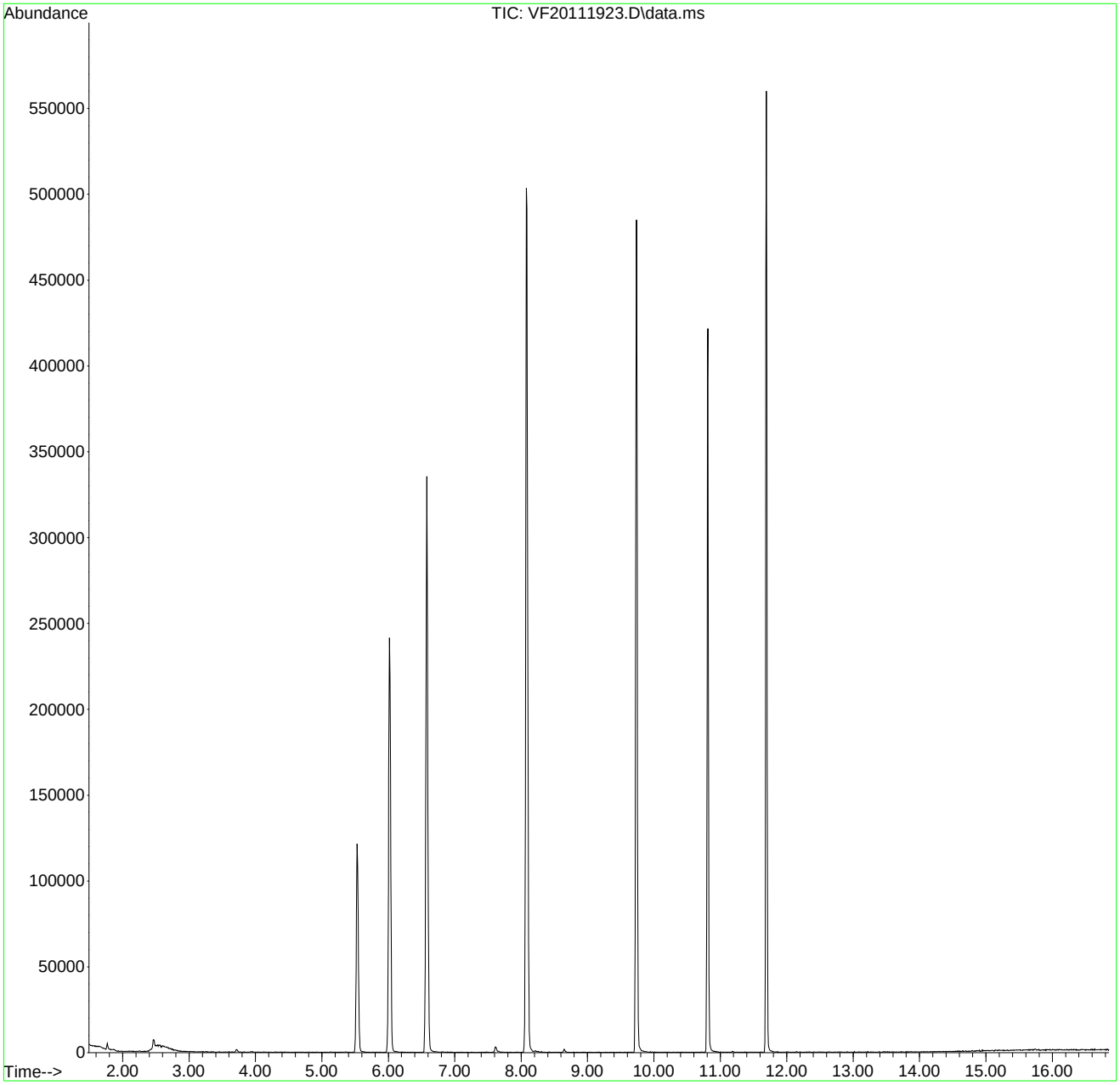
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (I)	6.019	99	96454	50.00	ug/L	# 0.00
43) Chlorobenzene-d5 (I)	9.735	117	283527	50.00	ug/L	0.00
63) 1,4-Dichlorobenzene-d4...	11.693	152	126215	50.00	ug/L	0.00
System Monitoring Compounds						
30) Dibromofluoromethane (S)	5.533	111	81789	48.91	ug/L	0.00
37) 1,4-Difluorobenzene (S)	6.579	114	325732	54.72	ug/L	0.00
45) Toluene-d8 (S)	8.081	98	408387	50.16	ug/L	0.00
64) 4-Bromofluorobenzene (S)	10.811	174	110972	50.53	ug/L	0.00
Target Compounds						Qvalue
5) Bromomethane	2.255	96	218	0.18	ug/L #	64
13) Methylene Chloride	3.715	84	941	0.50	ug/L	86
14) Acetone	3.812	43	163	0.27	ug/L #	42

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K19062\
Data File : VF20111923.D
Acq On : 20 Nov 2020 1:10 am
Operator : IMA
Sample : A0K0482-18RE1
Misc : 50X 5g/5mL 1000uL/50mL BTEX+HALO6
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Nov 20 15:00:48 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K19062\
Data File : VF20111924.D
Acq On : 20 Nov 2020 1:37 am
Operator : IMA
Sample : A0K0482-19RE1
Misc : 50X 5g/5mL 1000uL/50mL BTEX+HALO6
ALS Vial : 24 Sample Multiplier: 1

IMA
11/20/20

Quant Time: Nov 20 15:00:53 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration

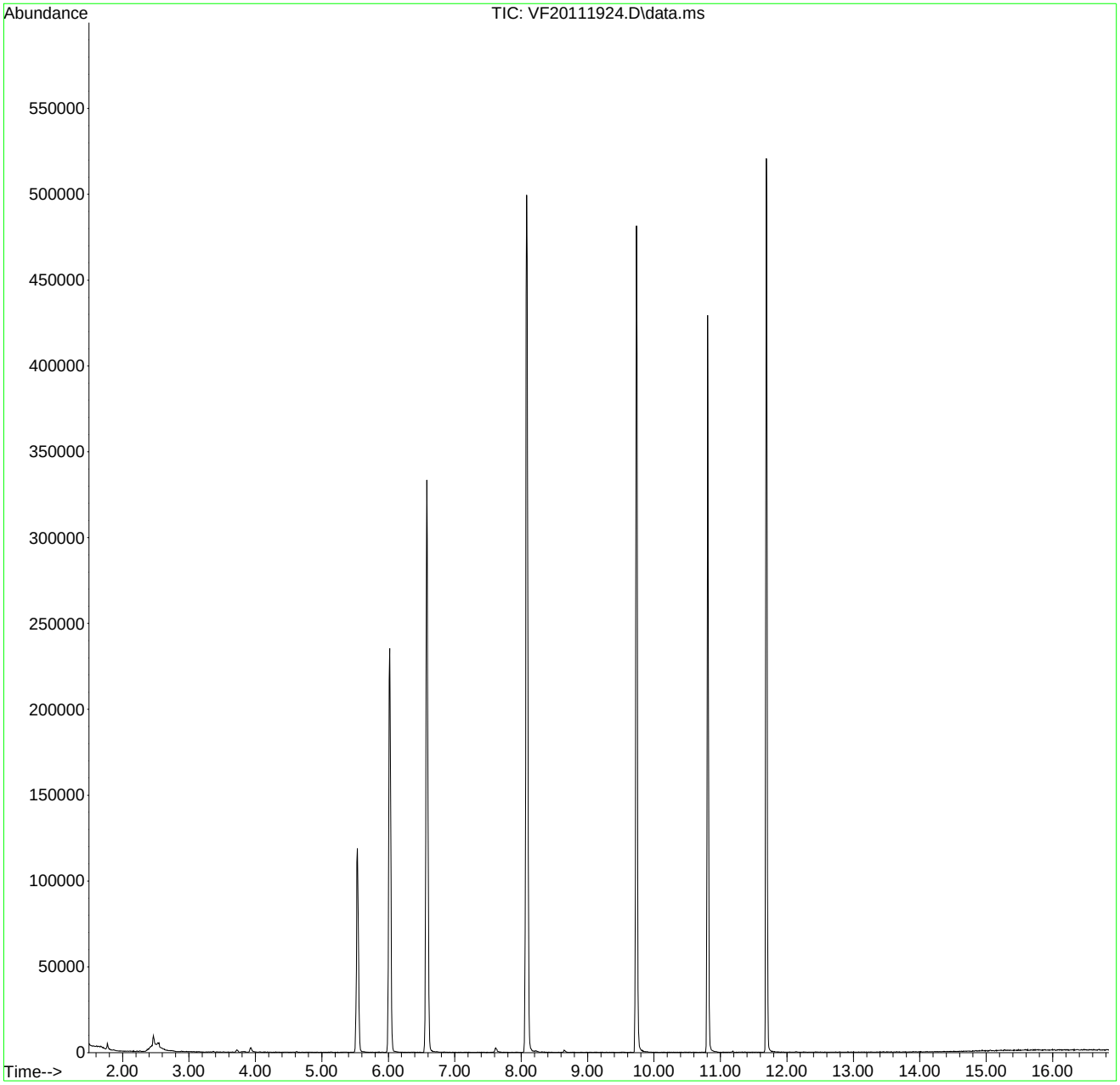
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.021	99	94898	50.00	ug/L		0.00
43) Chlorobenzene-d5 (I)	9.737	117	280699	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.689	152	126516	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.535	111	82375	50.06	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.581	114	320065	54.65	ug/L		0.00
45) Toluene-d8 (S)	8.083	98	400641	49.71	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.807	174	110756	50.32	ug/L		0.00
Target Compounds							Qvalue
5) Bromomethane	2.263	96	148	0.13	ug/L		82
13) Methylene Chloride	3.723	84	785	0.42	ug/L		94
14) Acetone	3.796	43	638	1.09	ug/L	#	42

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K19062\
Data File : VF20111924.D
Acq On : 20 Nov 2020 1:37 am
Operator : IMA
Sample : A0K0482-19RE1
Misc : 50X 5g/5mL 1000uL/50mL BTEX+HALO6
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Nov 20 15:00:53 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K19062\
Data File : VF20111925.D
Acq On : 20 Nov 2020 2:04 am
Operator : IMA
Sample : A0K0482-20RE1
Misc : 50X 5g/5mL 1000uL/50mL BTEX+HALO6
ALS Vial : 25 Sample Multiplier: 1

IMA
11/20/20

Quant Time: Nov 20 15:00:58 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration

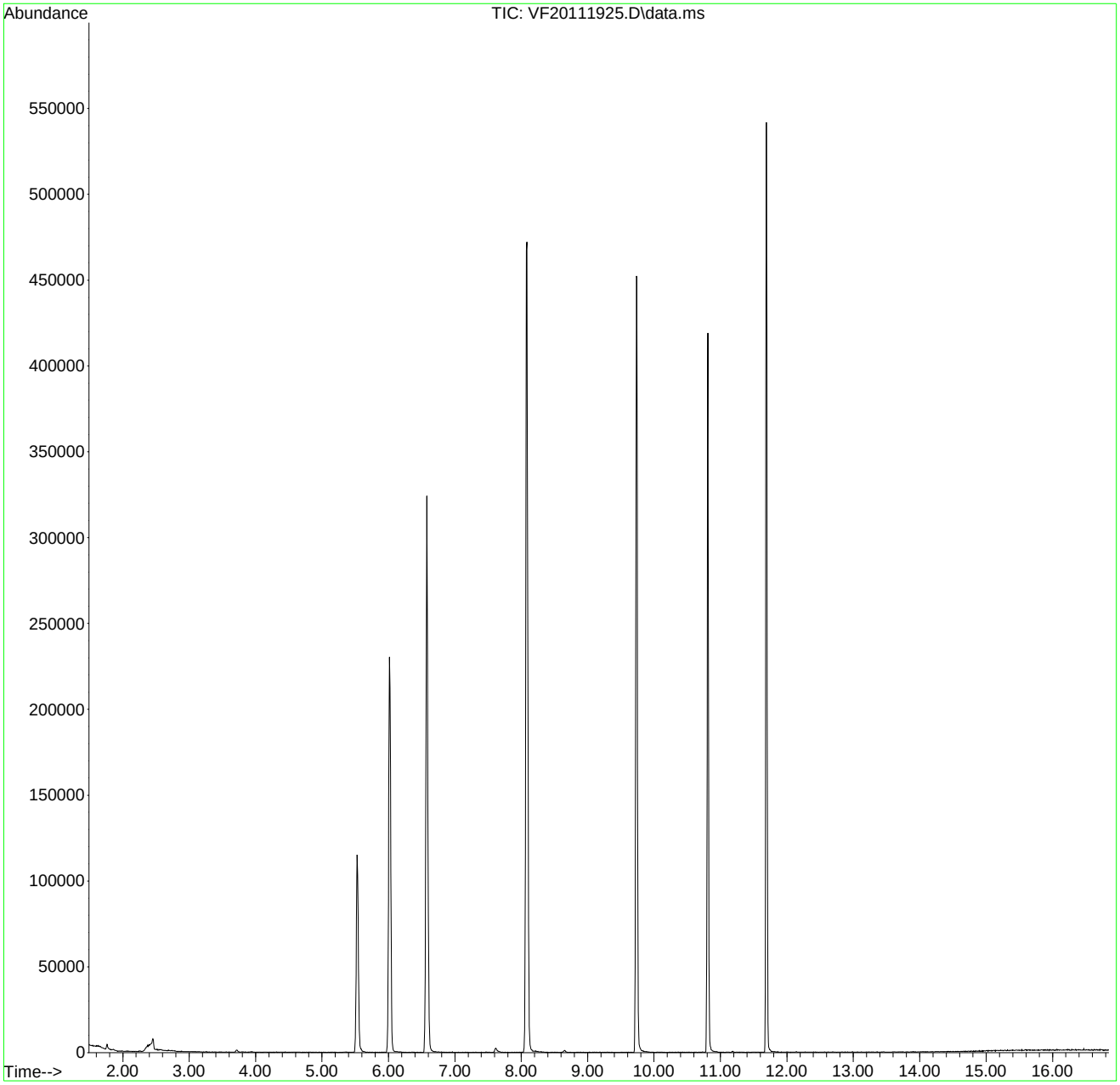
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.017	99	92877	50.00	ug/L		0.00
43) Chlorobenzene-d5 (I)	9.739	117	271985	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.691	152	122559	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.531	111	79446	49.33	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.577	114	310649	54.19	ug/L		0.00
45) Toluene-d8 (S)	8.085	98	389150	49.83	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.809	174	107671	50.49	ug/L		0.00
Target Compounds							Qvalue
5) Bromomethane	2.253	96	128	0.11	ug/L	#	66
6) Chloroethane	2.454	64	343	0.73	ug/L	#	1
13) Methylene Chloride	3.719	84	760	0.42	ug/L		79
14) Acetone	3.792	43	173	0.30	ug/L	#	42

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K19062\
Data File : VF20111925.D
Acq On : 20 Nov 2020 2:04 am
Operator : IMA
Sample : A0K0482-20RE1
Misc : 50X 5g/5mL 1000uL/50mL BTEX+HALO6
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 20 15:00:58 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K19062\
Data File : VF20111926.D
Acq On : 20 Nov 2020 2:31 am
Operator : IMA
Sample : 0K19062-IBL3
Misc : 1X 5mL DI+MeOH
ALS Vial : 26 Sample Multiplier: 1

IMA
11/20/20

Quant Time: Nov 20 15:01:03 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration

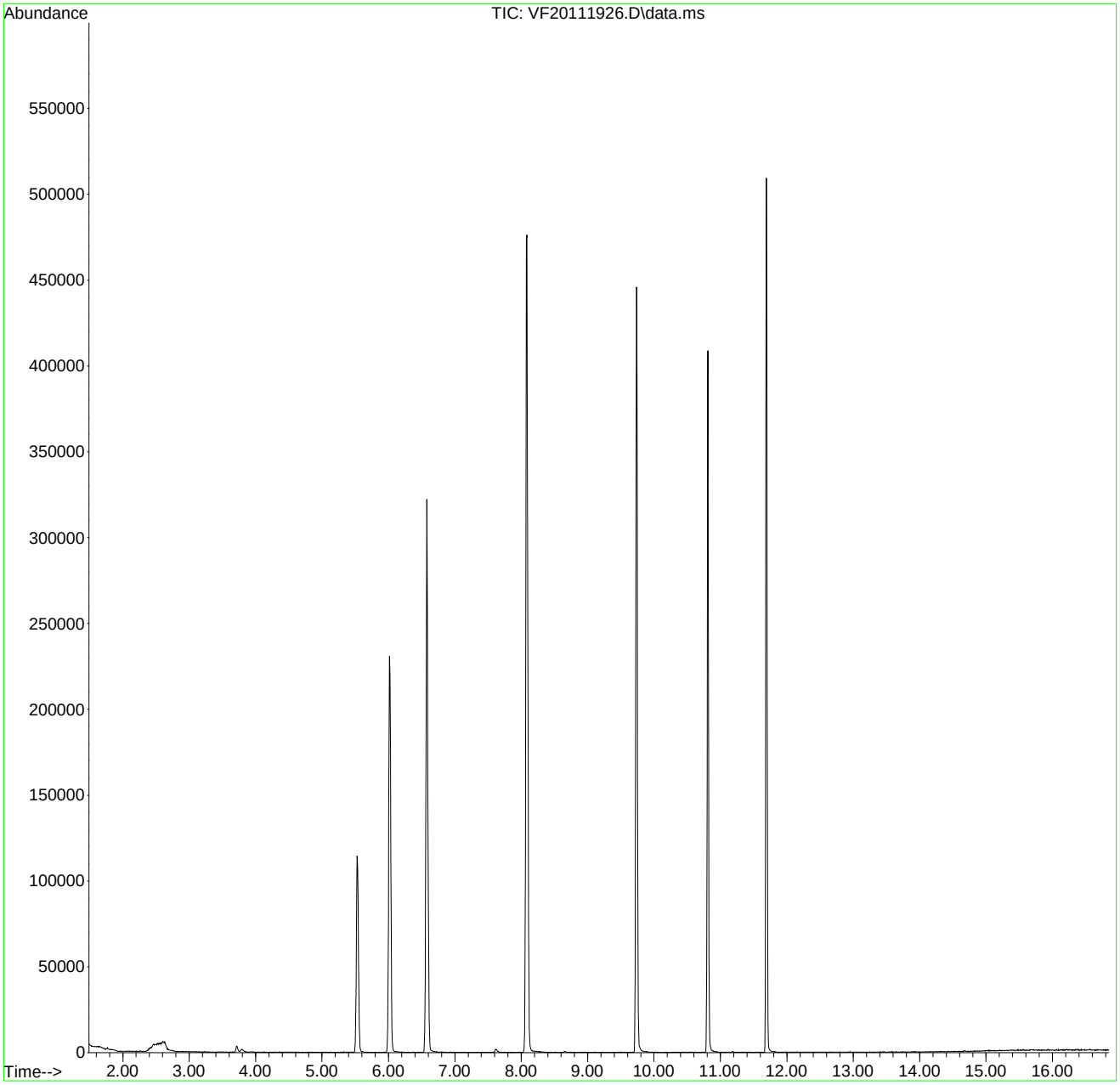
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (I)	6.018	99	92593	50.00	ug/L	0.00
43) Chlorobenzene-d5 (I)	9.739	117	268702	50.00	ug/L	0.00
63) 1,4-Dichlorobenzene-d4...	11.692	152	117988	50.00	ug/L	0.00
System Monitoring Compounds						
30) Dibromofluoromethane (S)	5.531	111	78524	48.91	ug/L	0.00
37) 1,4-Difluorobenzene (S)	6.577	114	308566	54.00	ug/L	0.00
45) Toluene-d8 (S)	8.079	98	386366	50.08	ug/L	0.00
64) 4-Bromofluorobenzene (S)	10.810	174	104055	50.69	ug/L	0.00
Target Compounds						Qvalue
5) Bromomethane	2.259	96	236	0.21	ug/L	# 63
13) Methylene Chloride	3.713	84	2118	1.16	ug/L	90
14) Acetone	3.804	43	1274	2.23	ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K19062\
Data File : VF20111926.D
Acq On : 20 Nov 2020 2:31 am
Operator : IMA
Sample : 0K19062-IBL3
Misc : 1X 5mL DI+MeOH
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Nov 20 15:01:03 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K19062\
Data File : VF20111927.D
Acq On : 20 Nov 2020 2:58 am
Operator : IMA
Sample : A0K0477-35RE1
Misc : 50X 5g/5mL 1000uL/50mL BTEX+HALO6 (QC)
ALS Vial : 27 Sample Multiplier: 1

IMA
11/20/20

Quant Time: Nov 20 15:01:08 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration

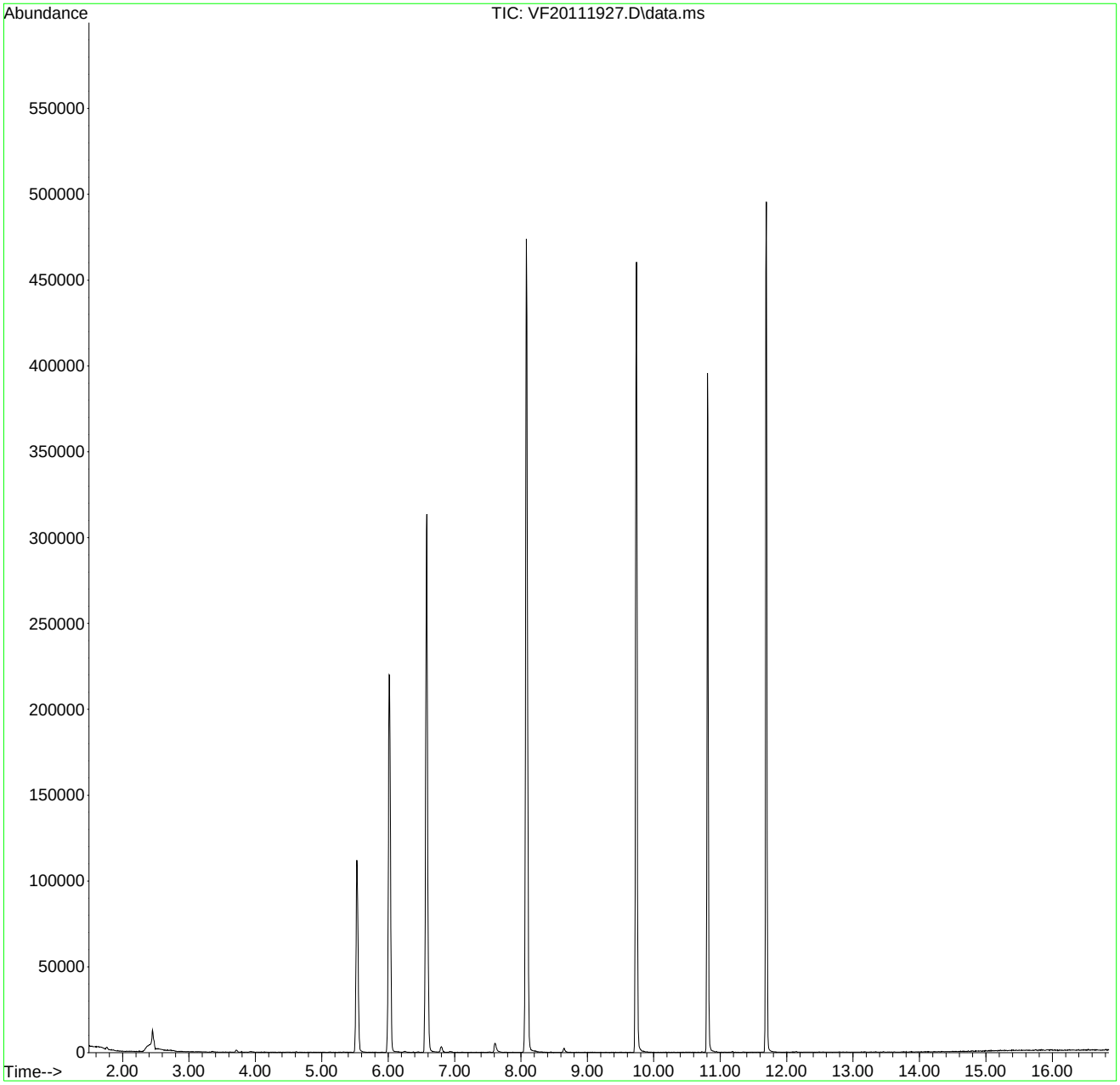
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.015	99	90927	50.00	ug/L		0.00
43) Chlorobenzene-d5 (I)	9.737	117	265672	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.695	152	117677	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.528	111	77621	49.23	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.580	114	305396	54.42	ug/L		0.00
45) Toluene-d8 (S)	8.082	98	382290	50.11	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.813	174	104055	50.82	ug/L		0.00
Target Compounds							Qvalue
5) Bromomethane	2.257	96	101	0.09	ug/L		74
13) Methylene Chloride	3.716	84	782	0.44	ug/L		85
14) Acetone	3.813	43	270	0.48	ug/L	#	42
36) iso-Butyl Alcohol	6.246	43	400	4.02	ug/L		94
39) tert-Amyl ethyl ether ...	6.805	59	647	0.19	ug/L	#	58

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K19062\
Data File : VF20111927.D
Acq On : 20 Nov 2020 2:58 am
Operator : IMA
Sample : A0K0477-35RE1
Misc : 50X 5g/5mL 1000uL/50mL BTEX+HALO6 (QC)
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Nov 20 15:01:08 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K19062\
Data File : VF20111928.D
Acq On : 20 Nov 2020 3:25 am
Operator : IMA
Sample : 0110717-MS1
Misc : 50X 5g/5mL 1000uL/50mL (A0K0477-35RE1)
ALS Vial : 28 Sample Multiplier: 1

IMA
11/20/20

Quant Time: Nov 20 15:01:13 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.019	99	90429	50.00	ug/L	#	0.00
43) Chlorobenzene-d5 (I)	9.734	117	265574	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.692	152	123607	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.532	111	84654	53.99	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.578	114	301286	53.98	ug/L		0.00
45) Toluene-d8 (S)	8.080	98	380994	49.96	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.811	174	106375	49.46	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.603	85	28970	20.68	ug/L		100
3) Chloromethane	1.810	50	38285	20.78	ug/L		99
4) Vinyl Chloride	1.901	62	30458	24.80	ug/L		96
5) Bromomethane	2.260	96	25726	23.04	ug/L		97
6) Chloroethane	2.388	64	7575	16.49	ug/L		87
7) Trichlorofluoromethane	2.522	101	26194	38.37	ug/L		99
8) Ethanol	3.172	45	20008	932.35	ug/L		95
9) 1,1-Dichloroethene	3.087	61	50781	22.74	ug/L		91
10) Carbon Disulfide	3.106	76	68505	24.02	ug/L		99
11) Freon 113	3.136	101	33886	23.64	ug/L		85
12) Iodomethane	3.239	142	12544	16.50	ug/L		96
13) Methylene Chloride	3.720	84	38626	21.72	ug/L		91
14) Acetone	3.793	43	20971	37.58	ug/L		90
15) t-1,2-Dichloroethene	3.884	61	55305	22.90	ug/L		92
16) n-Hexane	3.963	86	8294	24.48	ug/L	#	83
17) Methyl-tert-butyl-ether	4.012	73	121487	22.25	ug/L		99
18) tert-Butanol (TBA)	4.164	59	308235	1355.76	ug/L	#	95
19) Diisopropyl ether (DIPE)	4.401	45	29794	5.62	ug/L		92
20) 1,1-Dichloroethane	4.510	63	73709	22.73	ug/L		97
21) Acrylonitrile	4.577	53	15374	19.41	ug/L		95
22) Ethyl-tert-butyl ether...	4.772	59	29600	5.60	ug/L		96
23) c-1,2-Dichloroethene	5.064	61	54660	23.31	ug/L		97
24) 2,2-Dichloropropane	5.167	77	36681	23.34	ug/L		90
25) Bromochloromethane	5.264	49	27987	22.27	ug/L		89
26) Chloroform	5.350	83	68323	21.52	ug/L		98
27) Carbon Tetrachloride	5.477	117	36667	22.00	ug/L		99

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K19062\
Data File : VF20111928.D
Acq On : 20 Nov 2020 3:25 am
Operator : IMA
Sample : 0110717-MS1
Misc : 50X 5g/5mL 1000uL/50mL (A0K0477-35RE1)
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Nov 20 15:01:13 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
28) Tetrahydrofuran	5.514	42	17144	22.56	ug/L		91
29) 1,1,1-Trichloroethane	5.544	97	53216	22.09	ug/L		97
31) 1,1-Dichloropropene	5.672	75	55782	22.74	ug/L		99
32) 2-Butanone (MEK)	5.666	43	46429	45.72	ug/L		86
33) Benzene	5.927	78	188426	22.66	ug/L		98
34) tert-Amyl methyl ether...	6.055	73	27033	5.68	ug/L		94
35) 1,2-Dichloroethane (EDC)	6.140	62	51613	19.87	ug/L		98
36) iso-Butyl Alcohol	6.201	43	48674	492.09	ug/L		91
38) Trichloroethene (TCE)	6.548	130	45321	23.74	ug/L		98
39) tert-Amyl ethyl ether ...	6.803	59	20065	5.97	ug/L		97
40) Dibromomethane	6.998	93	24567	21.99	ug/L		92
41) 1,2-Dichloropropane	7.101	63	45831	23.14	ug/L		92
42) Bromodichloromethane	7.180	83	40908	22.40	ug/L		99
44) c-1,3-Dichloropropene	7.879	75	57469	20.60	ug/L		92
46) Toluene	8.141	91	190181	19.81	ug/L		99
47) Tetrachloroethene (PCE)	8.591	166	40981	21.65	ug/L		97
48) 4-Methyl-2-Pentanone (...	8.585	43	92363	43.28	ug/L		96
49) t-1,3-Dichloropropene	8.634	75	49003	19.50	ug/L		98
50) 1,1,2-Trichloroethane	8.810	97	41344	21.46	ug/L		93
51) Dibromochloromethane	8.998	129	29641	18.72	ug/L		96
52) 1,3-Dichloropropane	9.096	76	74438	21.23	ug/L		92
53) 1,2-Dibromoethane (EDB)	9.236	107	40385	21.59	ug/L		97
54) 2-Hexanone	9.473	43	59297	41.07	ug/L		93
55) Chlorobenzene	9.752	112	119366	20.75	ug/L		100
56) Ethylbenzene	9.777	91	189663	21.44	ug/L		98
57) 1,1,1,2-Tetrachloroethane	9.813	131	33362	19.76	ug/L		97
58) m,p-Xylenes (2)	9.917	91	278744	43.19	ug/L		99
59) o-Xylene	10.300	91	138831	22.02	ug/L		99
60) Styrene	10.348	104	107838	22.12	ug/L		96
61) Bromoform	10.373	173	19249	18.05	ug/L		98
62) Isopropylbenzene	10.567	105	163868	22.44	ug/L		98
65) Bromobenzene	10.896	156	43701	21.17	ug/L		94
66) n-Propylbenzene	10.914	91	182830	20.71	ug/L		97
67) 1,1,2,2-Tetrachloroethane	10.981	83	52199	20.75	ug/L		98
68) 2-Chlorotoluene	11.042	126	39076	22.01	ug/L		91
69) 1,3,5-Trimethylbenzene	11.072	105	124856	22.11	ug/L		99
70) 1,2,3-Trichloropropane	11.084	110	17409	20.00	ug/L	#	73
71) t-1,4-Dichloro-2-butene	11.121	88	4686	18.56	ug/L	#	90

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K19062\
Data File : VF20111928.D
Acq On : 20 Nov 2020 3:25 am
Operator : IMA
Sample : 0110717-MS1
Misc : 50X 5g/5mL 1000uL/50mL (A0K0477-35RE1)
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Nov 20 15:01:13 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration

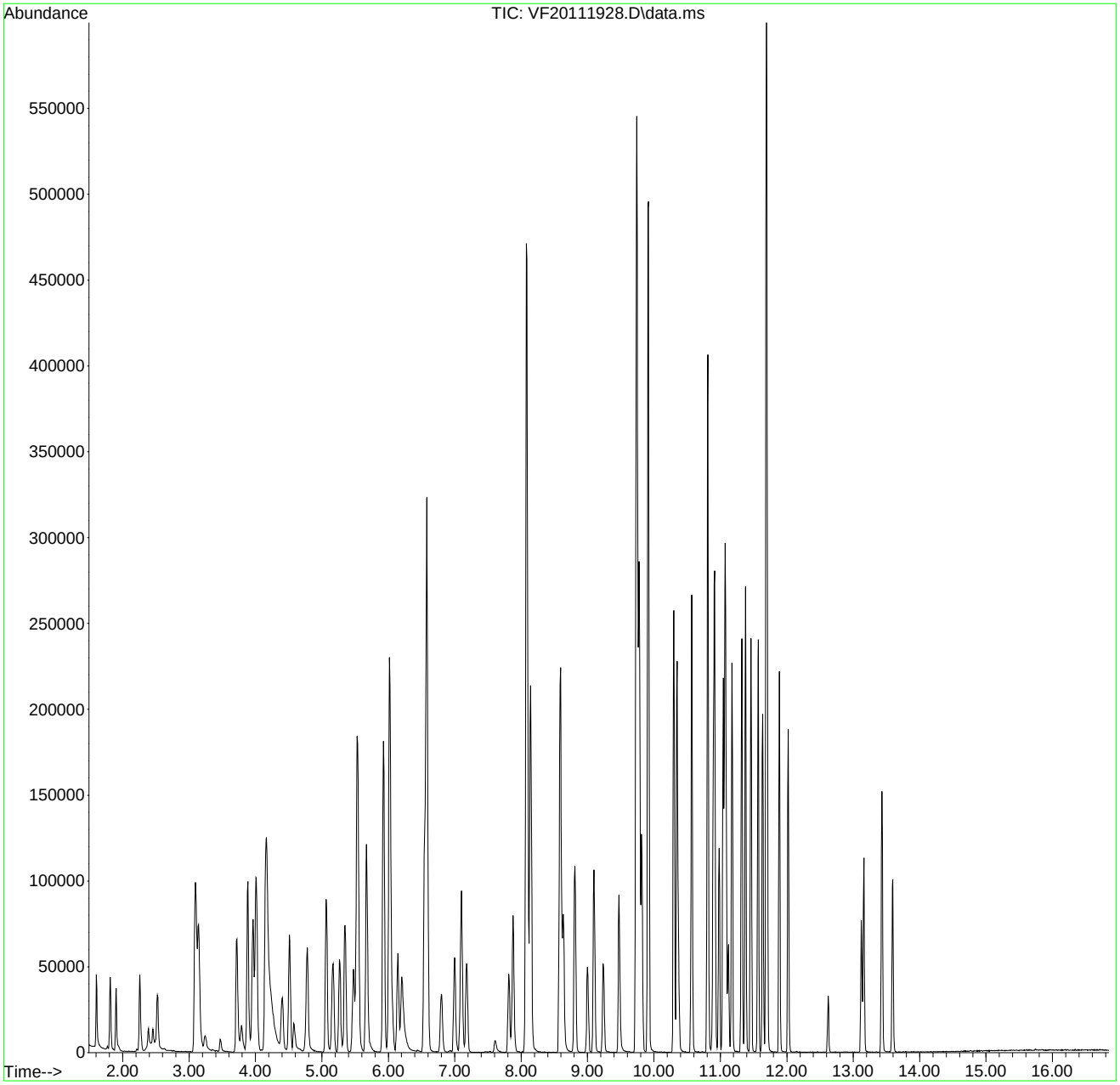
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 4-Chlorotoluene	11.176	91	114808	21.63	ug/L	98
73) tert-Butylbenzene	11.321	91	64885	20.47	ug/L	96
74) 1,2,4-Trimethylbenzene	11.376	105	126874	21.88	ug/L	99
75) sec-Butylbenzene	11.461	105	146883	21.85	ug/L	97
76) 4-Isopropyltoluene	11.571	119	122470	22.10	ug/L	97
77) 1,3-Dichlorobenzene	11.638	146	72286	22.00	ug/L	98
78) 1,4-Dichlorobenzene	11.705	146	73115	19.89	ug/L	98
79) n-Butylbenzene	11.887	91	99790	21.52	ug/L	97
80) 1,2-Dichlorobenzene	12.021	146	67343	21.54	ug/L	99
81) 1,2-Dibromo-3-Chloropr...	12.623	157	8219	18.90	ug/L	95
82) Hexachlorobutadiene	13.122	223	9349	21.82	ug/L	97
83) 1,2,4-Trichlorobenzene	13.158	180	34579	20.88	ug/L	99
84) Naphthalene	13.432	128	110518	19.59	ug/L	98
85) 1,2,3-Trichlorobenzene	13.596	180	32185	20.91	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K19062\
Data File : VF20111928.D
Acq On : 20 Nov 2020 3:25 am
Operator : IMA
Sample : 0110717-MS1
Misc : 50X 5g/5mL 1000uL/50mL (A0K0477-35RE1)
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Nov 20 15:01:13 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K19062\
Data File : VF20111929.D
Acq On : 20 Nov 2020 3:52 am
Operator : IMA
Sample : 0110717-MSD1
Misc : 50X 5g/5mL 1000uL/50mL (A0K0477-35RE1)
ALS Vial : 29 Sample Multiplier: 1

IMA
11/20/20

Quant Time: Nov 20 15:01:18 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.022	99	92493	50.00	ug/L		0.00
43) Chlorobenzene-d5 (I)	9.737	117	269557	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.695	152	123706	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.535	111	85991	53.62	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.581	114	308784	54.09	ug/L		0.00
45) Toluene-d8 (S)	8.083	98	387381	50.05	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.808	174	107849	50.11	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.613	85	28793	20.10	ug/L		98
3) Chloromethane	1.819	50	39261	20.83	ug/L		98
4) Vinyl Chloride	1.905	62	29678	23.62	ug/L		97
5) Bromomethane	2.263	96	23965	20.98	ug/L		97
6) Chloroethane	2.403	64	9513	20.25	ug/L		95
7) Trichlorofluoromethane	2.543	101	15154	19.76	ug/L		96
8) Ethanol	3.230	45	6908	314.72	ug/L		88
9) 1,1-Dichloroethene	3.096	61	49539	21.69	ug/L		91
10) Carbon Disulfide	3.109	76	68607	23.52	ug/L		98
11) Freon 113	3.145	101	33389	22.77	ug/L		86
12) Iodomethane	3.249	142	16385	19.81	ug/L		98
13) Methylene Chloride	3.723	84	38332	21.07	ug/L		92
14) Acetone	3.808	43	21729	38.07	ug/L		87
15) t-1,2-Dichloroethene	3.887	61	54611	22.11	ug/L		94
16) n-Hexane	3.960	86	8262	23.85	ug/L	#	89
17) Methyl-tert-butyl-ether	4.015	73	121521	21.76	ug/L		99
18) tert-Butanol (TBA)	4.222	59	308432	1326.35	ug/L	#	94
19) Diisopropyl ether (DIPE)	4.404	45	29865	5.51	ug/L		92
20) 1,1-Dichloroethane	4.513	63	73011	22.02	ug/L		98
21) Acrylonitrile	4.586	53	17311	21.37	ug/L		97
22) Ethyl-tert-butyl ether...	4.775	59	29429	5.45	ug/L		99
23) c-1,2-Dichloroethene	5.067	61	54177	22.59	ug/L		98
24) 2,2-Dichloropropane	5.170	77	36154	22.49	ug/L		91
25) Bromochloromethane	5.268	49	27788	21.62	ug/L		95
26) Chloroform	5.353	83	67207	20.70	ug/L		96
27) Carbon Tetrachloride	5.474	117	36580	21.45	ug/L		99

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K19062\
Data File : VF20111929.D
Acq On : 20 Nov 2020 3:52 am
Operator : IMA
Sample : 0110717-MSD1
Misc : 50X 5g/5mL 1000uL/50mL (A0K0477-35RE1)
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Nov 20 15:01:18 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
28) Tetrahydrofuran	5.523	42	15824	20.36	ug/L		87
29) 1,1,1-Trichloroethane	5.547	97	53653	21.78	ug/L		98
31) 1,1-Dichloropropene	5.675	75	55558	22.14	ug/L		99
32) 2-Butanone (MEK)	5.675	43	43047	41.45	ug/L		85
33) Benzene	5.930	78	187086	21.99	ug/L		98
34) tert-Amyl methyl ether...	6.058	73	26847	5.51	ug/L		96
35) 1,2-Dichloroethane (EDC)	6.143	62	50566	19.03	ug/L		98
36) iso-Butyl Alcohol	6.228	43	50396	498.13	ug/L		90
38) Trichloroethene (TCE)	6.551	130	45125	23.11	ug/L		97
39) tert-Amyl ethyl ether ...	6.800	59	20227	5.89	ug/L		94
40) Dibromomethane	7.001	93	24544	21.48	ug/L		92
41) 1,2-Dichloropropane	7.104	63	45097	22.26	ug/L		95
42) Bromodichloromethane	7.183	83	41063	21.99	ug/L		98
44) c-1,3-Dichloropropene	7.876	75	57073	20.17	ug/L		91
46) Toluene	8.144	91	189390	19.43	ug/L		99
47) Tetrachloroethene (PCE)	8.594	166	40628	21.15	ug/L		96
48) 4-Methyl-2-Pentanone (...	8.588	43	87051	40.19	ug/L		94
49) t-1,3-Dichloropropene	8.637	75	49170	19.29	ug/L		97
50) 1,1,2-Trichloroethane	8.813	97	40973	20.95	ug/L		94
51) Dibromochloromethane	9.001	129	29387	18.31	ug/L		97
52) 1,3-Dichloropropane	9.099	76	73390	20.62	ug/L		92
53) 1,2-Dibromoethane (EDB)	9.239	107	40093	21.12	ug/L		99
54) 2-Hexanone	9.476	43	56309	38.42	ug/L		94
55) Chlorobenzene	9.749	112	117022	20.05	ug/L		98
56) Ethylbenzene	9.780	91	188819	21.03	ug/L		98
57) 1,1,1,2-Tetrachloroethane	9.816	131	33290	19.43	ug/L		95
58) m,p-Xylenes (2)	9.914	91	277653	42.38	ug/L		98
59) o-Xylene	10.297	91	138740	21.68	ug/L		99
60) Styrene	10.345	104	108318	21.89	ug/L		98
61) Bromoform	10.376	173	19417	17.94	ug/L		97
62) Isopropylbenzene	10.570	105	163693	22.09	ug/L		98
65) Bromobenzene	10.893	156	43890	21.24	ug/L		92
66) n-Propylbenzene	10.911	91	184673	20.90	ug/L		96
67) 1,1,2,2-Tetrachloroethane	10.978	83	50385	20.01	ug/L		97
68) 2-Chlorotoluene	11.045	126	38291	21.55	ug/L		86
69) 1,3,5-Trimethylbenzene	11.069	105	125417	22.19	ug/L		98
70) 1,2,3-Trichloropropane	11.087	110	17219	19.77	ug/L		83
71) t-1,4-Dichloro-2-butene	11.118	88	4709	18.63	ug/L	#	86

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K19062\
Data File : VF20111929.D
Acq On : 20 Nov 2020 3:52 am
Operator : IMA
Sample : 0110717-MSD1
Misc : 50X 5g/5mL 1000uL/50mL (A0K0477-35RE1)
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Nov 20 15:01:18 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration

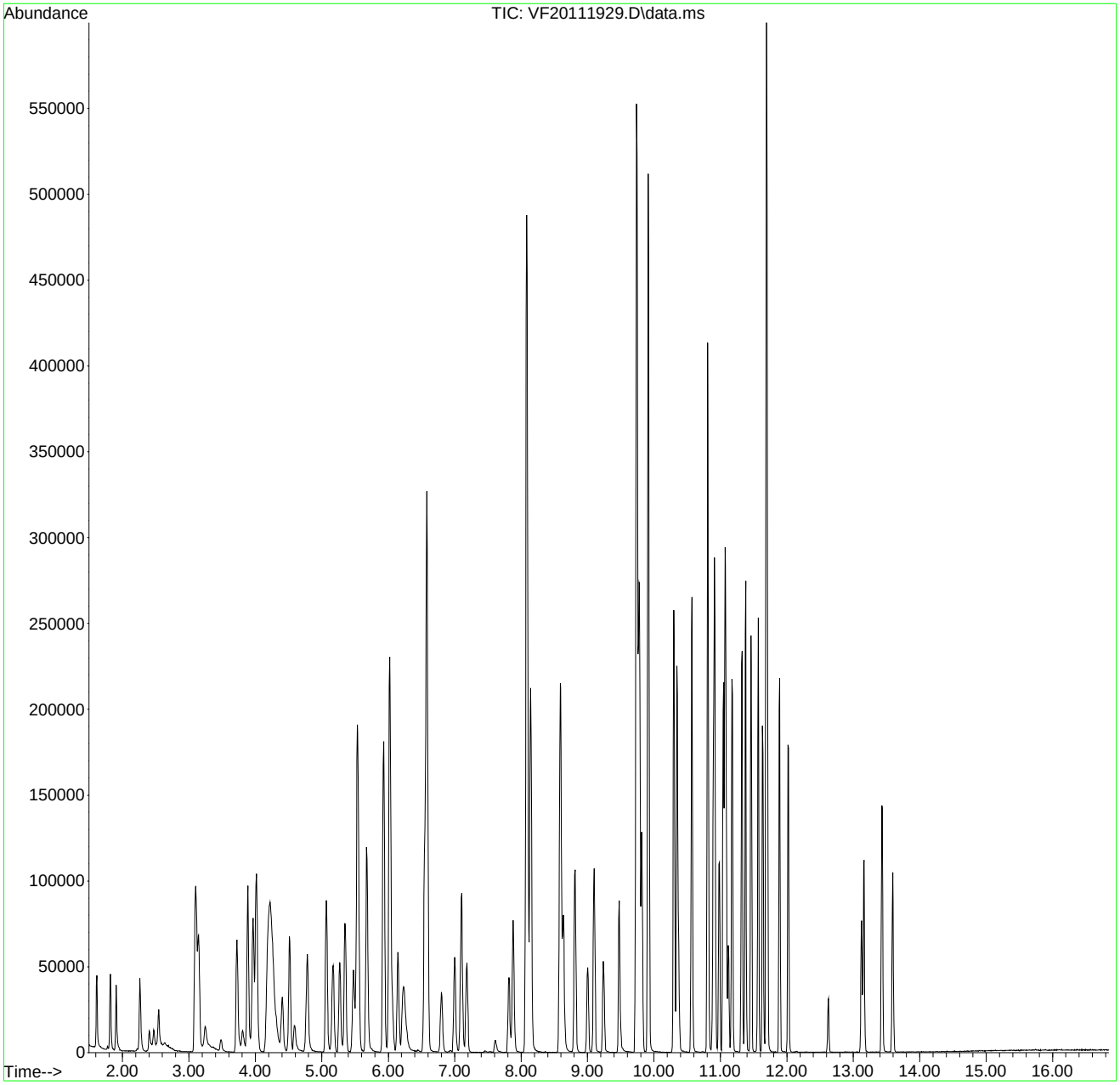
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 4-Chlorotoluene	11.172	91	113933	21.45	ug/L	97
73) tert-Butylbenzene	11.325	91	65140	20.53	ug/L	98
74) 1,2,4-Trimethylbenzene	11.379	105	129540	22.32	ug/L	99
75) sec-Butylbenzene	11.458	105	149458	22.22	ug/L	96
76) 4-Isopropyltoluene	11.568	119	125434	22.61	ug/L	96
77) 1,3-Dichlorobenzene	11.635	146	71203	21.65	ug/L	97
78) 1,4-Dichlorobenzene	11.702	146	73485	19.98	ug/L	98
79) n-Butylbenzene	11.890	91	101385	21.85	ug/L	98
80) 1,2-Dichlorobenzene	12.024	146	66893	21.38	ug/L	99
81) 1,2-Dibromo-3-Chloropr...	12.626	157	8071	18.57	ug/L	90
82) Hexachlorobutadiene	13.125	223	9278	21.63	ug/L	99
83) 1,2,4-Trichlorobenzene	13.161	180	35658	21.52	ug/L	100
84) Naphthalene	13.435	128	111619	19.76	ug/L	98
85) 1,2,3-Trichlorobenzene	13.593	180	33570	21.79	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K19062\
Data File : VF20111929.D
Acq On : 20 Nov 2020 3:52 am
Operator : IMA
Sample : 0110717-MSD1
Misc : 50X 5g/5mL 1000uL/50mL (A0K0477-35RE1)
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Nov 20 15:01:18 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration



Selected Volatile Organic Compounds by EPA 5035A/8260D
Benchsheet & Analysis Sequence Data (Sediment)

Batch 0110771
Sequence 0K20044 (A0K0482-21,22)

PREPARATION BENCH SHEET

BATCH #: 0110771 (Soil)

Apex Laboratories

Prep Method: EPA 5035A

Lab Number	Cont.	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	ClientID / Sample	Extraction Comments	pH*
0110771-BLK1		QC	11/20/20 09:00	7.5	5							
0110771-BS1		QC	11/20/20 09:00	5	5	A20K254		250				
0110771-BS2		QC	11/20/20 09:00	5	5	A20J281		25				
A0K0015-19	A	8015M Gasoline (C6-C10) by	11/03/20 10:27	5	5					Gasoline	GRO for PT = Range between C5 a	
A0K0482-21	E	8015M Gasoline (C6-C10) by	(Date Sampled)	5.81	5					USMPDI-006SC-D-12-14-20111	FP Added for BatchQC in: 0110771	
A0K0482-21	E	8260D BTEX+Halo6	(Date Sampled)	5.81	5					USMPDI-006SC-D-12-14-20111	FP; MS/MSD	
0110771-MS1		QC	11/10/20 09:05	5.81	5	A20K254	A0K0482-21	327			TS = 73.6% @50X	
0110771-MSD1		QC	11/10/20 09:05	5.81	5	A20K254	A0K0482-21	327			TS = 73.6% @50X	
A0K0482-22	C	8015M Gasoline (C6-C10) by	(Date Sampled)	5.76	5					USMPDI-1006SC-D-10-12-2011	FP Added for BatchQC in: 0110771	
A0K0482-22	C	8260D BTEX+Halo6	(Date Sampled)	5.76	5					USMPDI-1006SC-D-10-12-2011	FP	
0110771-DUP1		QC	11/10/20 09:05	4.9	5		A0K0482-22					
A0K0578-09	C	8260D BTEX+Halo6	(Date Sampled)	5.53	5					USMPDI-001SC-B-08-9.6-2011	FP	
A0K0578-10	B	8260D BTEX+Halo6	(Date Sampled)	6.44	5					USMPDI-1001SC-B-04-06-2011	FP	
A0K0578-13	C	8260D BTEX+Halo6	(Date Sampled)	4.27	5					USMPDI-002SC-B-00-02-20111	FP	
A0K0578-14	C	8260D BTEX+Halo6	(Date Sampled)	4.36	5					USMPDI-002SC-B-02-04-20111	FP	
A0K0578-15	B	8260D BTEX+Halo6	(Date Sampled)	2.9	5					USMPDI-002SC-B-04-06-20111	FP	
A0K0578-21	B	8260D BTEX+Halo6	(Date Sampled)	4.94	5					USMPDI-004SC-B-00-02-20111	FP	
A0K0578-22	B	8260D BTEX+Halo6	(Date Sampled)	5.23	5					USMPDI-004SC-B-02-04-20111	FP	
A0K0578-23	B	8260D BTEX+Halo6	(Date Sampled)	5.07	5					USMPDI-004SC-B-04-06-20111	FP	
A0K0578-24	C	8260D BTEX+Halo6	(Date Sampled)	5.13	5					USMPDI-004SC-B-06-08-20111	FP	
A0K0578-25	C	8260D BTEX+Halo6	(Date Sampled)	4.3	5					USMPDI-004SC-B-08-10-20111	FP	

*pH <2 verified

IMA
11/23/20

Prepared By: Date

11/23/20

Reviewed By: Date

Printed: 11/23/2020 1:59:30PM

PREPARATION BENCH SHEET

BATCH #: 0110771 (Soil)

Apex Laboratories

Prep Method: EPA 5035A

Lab Number	Cont.	Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	ClientID / Sample	Extraction Comments	pH*

Standards/Reagents

Reagent(s)

Std ID	Exp. Date	Description
A18J327	11/30/23	Balance s/n 593312
A20I374	03/24/21	Methanol - Fisher (P/T) #198330

Analyte Spike(s)

Std ID	Exp. Date	Description
A20J281	04/14/21	Prime. NWTPH-Gx stock (5000 ug/mL)
A20K254	11/30/20	8260 Cal. Std. B VOCR+OXY Spike (20-40ug/m

Surrogate(s)

Std ID	Exp. Date	Description

SOIL MS6

Prepared By: Date

Reviewed By: Date

Volatile Soils Matrix Spike Volume Calculation (Validated 5/3/2013)
Enter the Spike Amount value into the Bench Sheet to ensure correct MS/MSD recoveries.

Batch: 110771

Matrix Spike

Sample Weight	Final Volume	Dilution	Dry Weight
g	mL		%
5.810	5	50	73.6

Final Spike Level	**Spike Amount**
ug/kg	**ul**
1527.97	**327**

Assumptions:
Spiking Solution = 20ug/mL
Spike Amount into 50mL = 50ul
Dilution = 1mL of MeOH to 50mL of water
Initial Spike Concentration = 20ug/L

A0K0482-21

IMA
11/23/20

Worksheet

5035 Field Prep Worksheet (Validated 7/11/16)

Sample ID	Container	Container Weight (g)	Tare Weight (g)	Net Sample Weight (g)	Formula Check
A0K0482-21	E	39.16	33.35	5.81	
22	C	38.99	33.23	5.76	
22	D	38.05	33.15	4.9	
A0K0578-09	C	38.7	33.17	5.53	
10	B	39.97	33.53	6.44	
13	C	37.55	33.28	4.27	
14	C	37.33	32.97	4.36	
15	B	36.16	33.26	2.9	
21	B	37.99	33.05	4.94	
22	B	38.14	32.91	5.23	
23	B	38.01	32.94	5.07	
24	C	38.18	33.05	5.13	
25	C	37.37	33.07	4.3	
				0	
				0	
				0	
				0	
				0	
				0	
				0	
				0	
				0	
				0	
				0	
				0	
				0	
				0	

IMA
11/23/20

A0K0482

5035 Container Prep Worksheet
~Field MeOH Preserved~

(Prepared = Sampled Date/Time)

A0K0482-21 — **USMPDI-006SC-D-12-14-201110** — Sampled: **11/10/20 09:05**

		Container Weight (g)	Tare Weight (g)	Volume MeOH (mL)	Notes:
E Sediment	40 mL VOA - 5035 (MeOH)	39.16	33.35	(5) 10 15 Other	MS/MSD
F Sediment	40 mL VOA - 5035 (MeOH)	40.99	33.27	(5) 10 15 Other	
G Sediment	40 mL VOA - 5035 (MeOH)	40.20	32.91	(5) 10 15 Other	
H Sediment	40 mL VOA - 5035 (MeOH)	38.92	33.04	(5) 10 15 Other	
I Sediment	40 mL VOA - 5035 (MeOH)	39.86	33.35	(5) 10 15 Other	
J Sediment	40 mL VOA - 5035 (MeOH)	38.99	33.23	(5) 10 15 Other	

BTEX + HALO6 Due: TAT:

A0K0482-22 — **USMPDI-1006SC-D-10-12-201110** — Sampled: **11/10/20 09:05**

		Container Weight (g)	Tare Weight (g)	Volume MeOH (mL)	Notes:
C Sediment	40 mL VOA - 5035 (MeOH)	38.99	33.23	(5) 10 15 Other	
D Sediment	40 mL VOA - 5035 (MeOH)	38.705	33.15	(5) 10 15 Other	DUP

Due: asap 11/12/20 TAT:

Weighed by: DKK @ 1626 11/12/20

Methanol Reagent ID: A20G160~ Balance ID: A18J327~

Print Date: 11/12/2020 4:00:14PM

A0K0578

5035 Container Prep Worksheet
~Field MeOH Preserved~

(Prepared = Sampled Date/Time)

A0K0578-09 — **USMPDI-001SC-B-08-9.6-201111** — Sampled: **11/11/20 11:35**

		Container Weight (g)	Tare Weight (g)	Volume MeOH (mL)	Notes:
C Sediment	40 mL VOA - 5035 (MeOH)	38.70	33.17	(5) 10 15 Other	
D Sediment	40 mL VOA - 5035 (MeOH)	38.60	32.81	(5) 10 15 Other	

BTEX + HALO6 — Due: — TAT:

A0K0578-10 — **USMPDI-1001SC-B-04-06-201111** — Sampled: **11/11/20 11:35**

		Container Weight (g)	Tare Weight (g)	Volume MeOH (mL)	Notes:
B Sediment	40 mL VOA - 5035 (MeOH)	39.97	33.53	(5) 10 15 Other	
C Sediment	40 mL VOA - 5035 (MeOH)	38.42	33.19	(5) 10 15 Other	

Due: — TAT:

A0K0578-13 — **USMPDI-002SC-B-00-02-201111** — Sampled: **11/11/20 15:30**

		Container Weight (g)	Tare Weight (g)	Volume MeOH (mL)	Notes:
C Sediment	40 mL VOA - 5035 (MeOH)	37.55	33.28	(5) 10 15 Other	
D Sediment	40 mL VOA - 5035 (MeOH)	37.48	33.08	(5) 10 15 Other	

Due: — TAT:

A0K0578-14 — **USMPDI-002SC-B-02-04-201111** — Sampled: **11/11/20 15:30**

		Container Weight (g)	Tare Weight (g)	Volume MeOH (mL)	Notes:
C Sediment	40 mL VOA - 5035 (MeOH)	37.33	32.97	(5) 10 15 Other	
D Sediment	40 mL VOA - 5035 (MeOH)	36.60	32.96	(5) 10 15 Other	

Due: — TAT:

A0K0578-15 — **USMPDI-002SC-B-04-06-201111** — Sampled: **11/11/20 15:30**

		Container Weight (g)	Tare Weight (g)	Volume MeOH (mL)	Notes:
B Sediment	40 mL VOA - 5035 (MeOH)	36.16	33.20	(5) 10 15 Other	
C Sediment	40 mL VOA - 5035 (MeOH)	40.03	33.29	(5) 10 15 Other	

@ silvers — Due: — TAT:

Weighed by: SL @ 11/16/20 1929

Methanol Reagent ID: A20G160~ Balance ID: A18J327~

A0K0578

5035 Container Prep Worksheet
~Field MeOH Preserved~

(Prepared = Sampled Date/Time)

A0K0578-21 — **USMPDI-004SC-B-00-02-201111** — Sampled: **11/11/20 08:20**

		Container Weight (g)	Tare Weight (g)	Volume MeOH (mL)	Notes:
B Sediment	40 mL VOA - 5035 (MeOH)	37.99	33.05	(5) 10 15 Other	
C Sediment	40 mL VOA - 5035 (MeOH)	37.79	33.24	(5) 10 15 Other	

BTEX + HALO6 — Due: — TAT:

A0K0578-22 — **USMPDI-004SC-B-02-04-201111** — Sampled: **11/11/20 08:20**

		Container Weight (g)	Tare Weight (g)	Volume MeOH (mL)	Notes:
B Sediment	40 mL VOA - 5035 (MeOH)	38.14	32.91	(5) 10 15 Other	
C Sediment	40 mL VOA - 5035 (MeOH)	37.68	33.18	(5) 10 15 Other	

Due: TAT:

A0K0578-23 — **USMPDI-004SC-B-04-06-201111** — Sampled: **11/11/20 08:20**

		Container Weight (g)	Tare Weight (g)	Volume MeOH (mL)	Notes:
B Sediment	40 mL VOA - 5035 (MeOH)	38.01	32.94	(5) 10 15 Other	
C Sediment	40 mL VOA - 5035 (MeOH)	38.53	33.34	(5) 10 15 Other	

Due: TAT:

A0K0578-24 — **USMPDI-004SC-B-06-08-201111** — Sampled: **11/11/20 08:20**

		Container Weight (g)	Tare Weight (g)	Volume MeOH (mL)	Notes:
C Sediment	40 mL VOA - 5035 (MeOH)	38.18	33.05	(5) 10 15 Other	
D Sediment	40 mL VOA - 5035 (MeOH)	36.59	33.21	(5) 10 15 Other	

Due: TAT:

A0K0578-25 — **USMPDI-004SC-B-08-10-201111** — Sampled: **11/11/20 08:20**

		Container Weight (g)	Tare Weight (g)	Volume MeOH (mL)	Notes:
C Sediment	40 mL VOA - 5035 (MeOH)	37.37	33.07	(5) 10 15 Other	
D Sediment	40 mL VOA - 5035 (MeOH)	38.64	33.10	(5) 10 15 Other	

Due: TAT:

Weighed by: (8) @ 11/16/20 1929

Methanol Reagent ID: A20G160~ Balance ID: A18J327~

ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **0K20044** Instrument: **VOA-GCMS6**

Date: **11/20/20 13:13** Calibration: ~~**A0H1402**~~ A0K1904

MM 11/24/20

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0K20044-IBL1	Soil	QC	QC			A20G347	
2	0K20044-TUN1	Soil	QC	QC			A20G347	
3	0K20044-CCV1	Soil	QC	QC			A20G347	
4	0110771-BS1	Soil	QC	QC		0110771	A20G347	
5	0K20044-CCV2	Soil	QC	QC			A20G347	
6	0110771-BS2	Soil	QC	QC		0110771	A20G347	
7	0110771-BLK1	Soil	QC	QC		0110771	A20G347	
8	A0K0015-19	Soil	8015M Gasoline (C6-C10) by GC/MS		11/23/20	0110771	A20G347	
9	0K20044-IBL2	Soil	QC	QC			A20G347	
10	A0K0578-09	Soil	8260D BTEX+Halo6	Anchor QEA, LLC	11/25/20	0110771	A20G347	
11	A0K0015-19RE1	Soil	8015M Gasoline (C6-C10) by GC/MS		11/23/20	0110771	A20G347	
12	0K20044-IBL3	Soil	QC	QC			A20G347	
13	A0K0578-10	Soil	8260D BTEX+Halo6	Anchor QEA, LLC	11/25/20	0110771	A20G347	
14	A0K0482-22	Soil	8260D BTEX+Halo6	Anchor QEA, LLC	11/24/20	0110771	A20G347	
"	"	Soil	8015M Gasoline (C6-C10) by GC/MS	(QC Source)		0110771	A20G347	
15	0110771-DUP1	Soil	QC	QC		0110771	A20G347	
16	A0K0482-21	Soil	8260D BTEX+Halo6	Anchor QEA, LLC	11/24/20	0110771	A20G347	
"	"	Soil	8015M Gasoline (C6-C10) by GC/MS	(QC Source)		0110771	A20G347	
17	0110771-MS1	Soil	QC	QC		0110771	A20G347	
18	0110771-MSD1	Soil	QC	QC		0110771	A20G347	
19	0K20044-IBL4	Soil	QC	QC			A20G347	
20	A0K0578-14	Soil	8260D BTEX+Halo6	Anchor QEA, LLC	11/25/20	0110771	A20G347	
21	A0K0578-15	Soil	8260D BTEX+Halo6	Anchor QEA, LLC	11/25/20	0110771	A20G347	
22	A0K0578-21	Soil	8260D BTEX+Halo6	Anchor QEA, LLC	11/25/20	0110771	A20G347	
23	A0K0578-22	Soil	8260D BTEX+Halo6	Anchor QEA, LLC	11/25/20	0110771	A20G347	
24	A0K0578-23	Soil	8260D BTEX+Halo6	Anchor QEA, LLC	11/25/20	0110771	A20G347	
25	A0K0578-24	Soil	8260D BTEX+Halo6	Anchor QEA, LLC	11/25/20	0110771	A20G347	
26	A0K0578-25	Soil	8260D BTEX+Halo6	Anchor QEA, LLC	11/25/20	0110771	A20G347	
27	A0K0578-13	Soil	8260D BTEX+Halo6	Anchor QEA, LLC	11/25/20	0110771	A20G347	
28	0K20044-IBL5	Soil	QC	QC			A20G347	

IMA
11/23/20

Comments:

Data Entered By/Date:_____

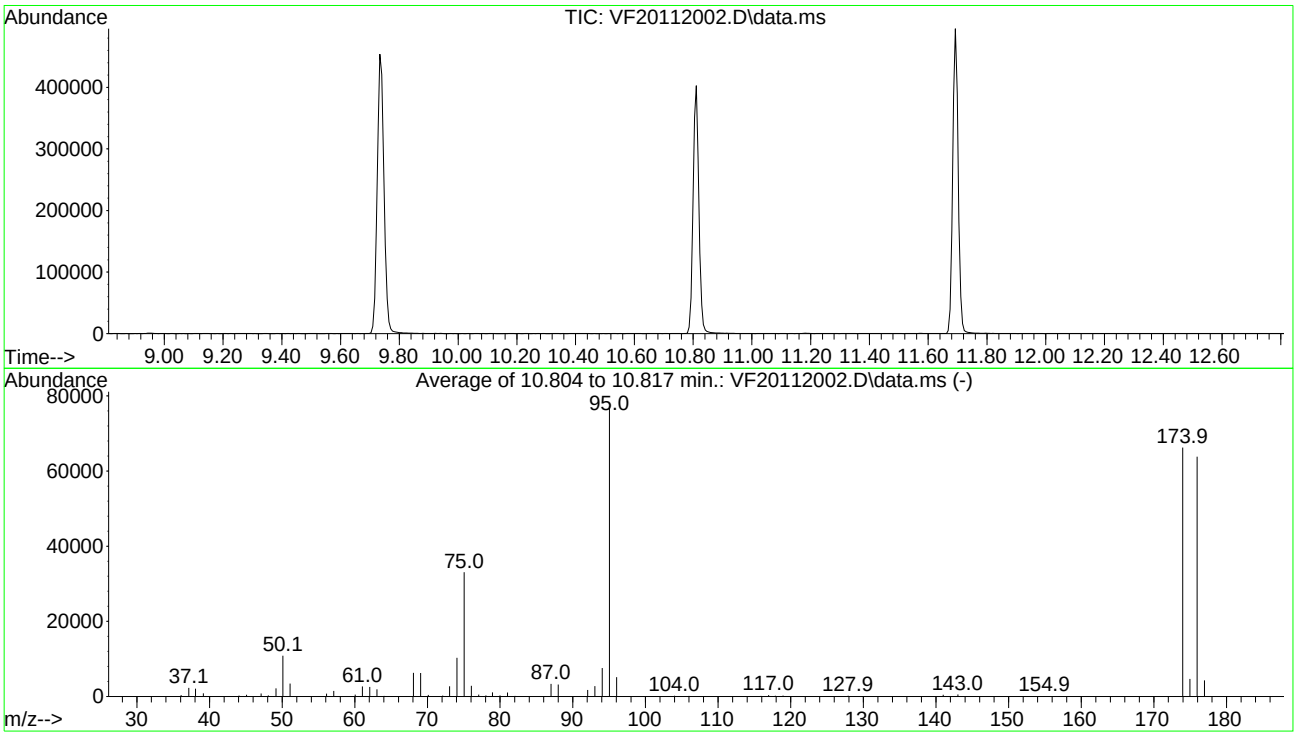
Data Reviewed By/Date: mm 11/24/20

Data Path : Y:\DATA\2020-11\0K20044\
Data File : VF20112002.D
Acq On : 20 Nov 2020 1:59 pm
Operator : IMA
Sample : 0K20044-TUN1
Misc : A20G253 IS/SURR
ALS Vial : 2 Sample Multiplier: 1

IMA
11/23/20

Integration File: RTEINT.P

Method : Y:\METHODS\VF201119S.M
Title : EPA 8260: Volatile Organic Compounds
Last Update : Thu Nov 19 16:36:27 2020



AutoFind: Scans 1532, 1533, 1534; Background Corrected with Scan 1525

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	174	50	200	116.6	77285	PASS
96	95	5	9	6.7	5175	PASS
173	174	0.00	2	0.2	102	PASS
174	95	50	200	85.8	66288	PASS
175	174	5	9	7.1	4697	PASS
176	174	95	105	96.3	63837	PASS
177	176	5	10	6.8	4350	PASS

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K20044\
Data File : VF20112002.D
Acq On : 20 Nov 2020 1:59 pm
Operator : IMA
Sample : 0K20044-TUN1
Misc : A20G253 IS/SURR
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 23 14:00:06 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration

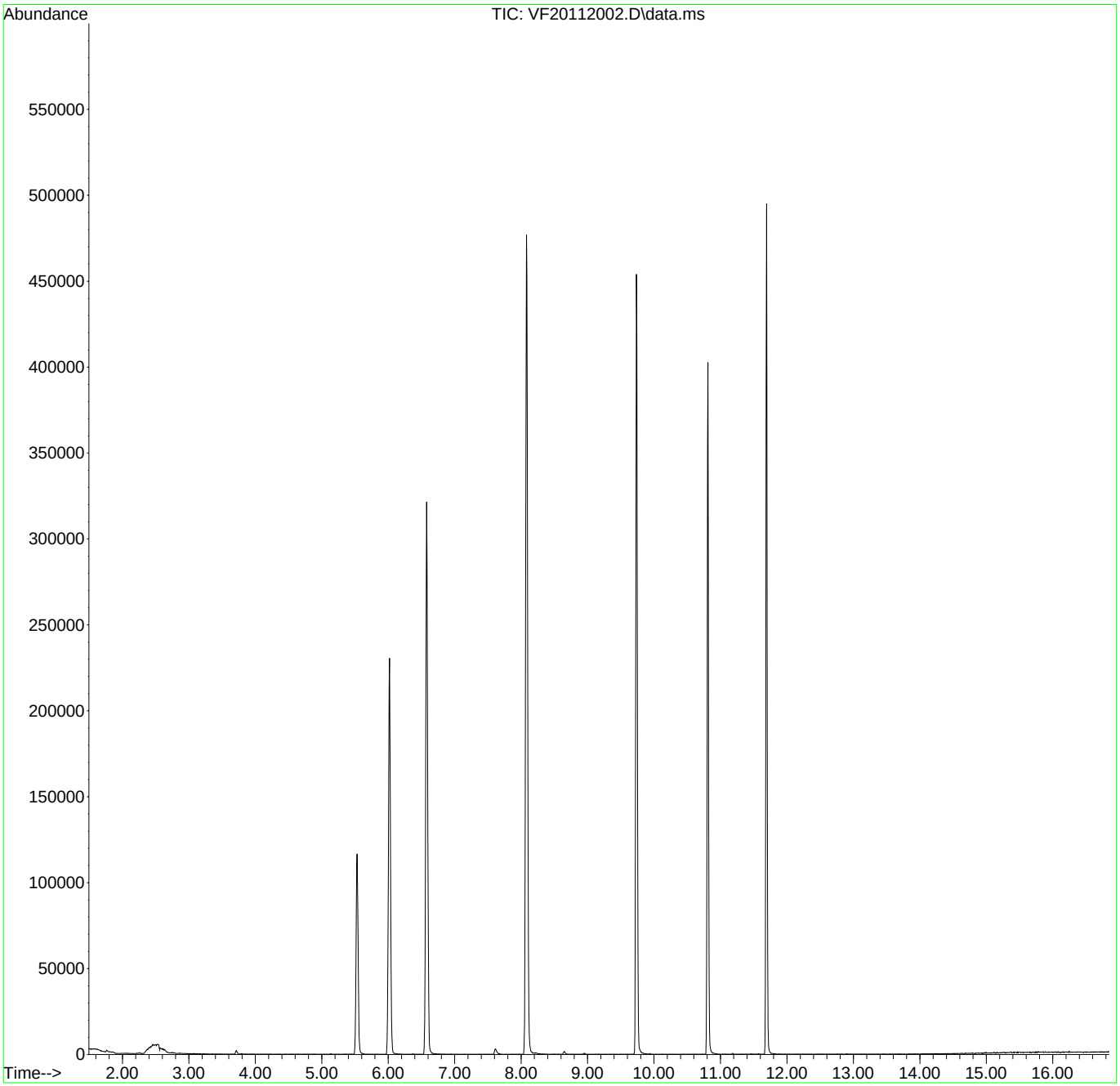
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (I)	6.018	99	92962	50.00	ug/L	# 0.00
43) Chlorobenzene-d5 (I)	9.734	117	267835	50.00	ug/L	0.00
63) 1,4-Dichlorobenzene-d4...	11.692	152	116519	50.00	ug/L	0.00
System Monitoring Compounds						
30) Dibromofluoromethane (S)	5.532	111	79629	49.40	ug/L	0.00
37) 1,4-Difluorobenzene (S)	6.578	114	308636	53.79	ug/L	0.00
45) Toluene-d8 (S)	8.080	98	383214	49.83	ug/L	0.00
64) 4-Bromofluorobenzene (S)	10.811	174	104590	51.59	ug/L	0.00
Target Compounds						Qvalue
5) Bromomethane	2.260	96	213	0.19	ug/L	81
13) Methylene Chloride	3.714	84	1216	0.67	ug/L	84
14) Acetone	3.805	43	186	0.32	ug/L #	42

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K20044\
Data File : VF20112002.D
Acq On : 20 Nov 2020 1:59 pm
Operator : IMA
Sample : 0K20044-TUN1
Misc : A20G253 IS/SURR
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 23 14:00:06 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data Path : Y:\DATA\2020-11\0K20044\
Data File : VF20112003.D
Acq On : 20 Nov 2020 2:26 pm
Operator : IMA
Sample : 0110771-BS1
Misc : 50X 5g/5mL 1000uL/50mL VOCR+MeOH A20J254
ALS Vial : 3 Sample Multiplier: 1

IMA
11/23/20

Quant Time: Nov 23 14:00:20 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene (I)	50.000	50.000	0.0	131	0.00
2		Dichlorodifluoromethane	20.000	18.200	9.0	127	0.00
3	P	Chloromethane	20.000	18.721	6.4	140	0.00
4	C	Vinyl Chloride	20.000	20.551	-2.8	138	0.00
5		Bromomethane	20.000	17.821	10.9	130	0.00
6		Chloroethane	20.000	13.811	30.9#	98	0.00
7		Trichlorofluoromethane	20.000	10.124	49.4#	83	0.00
8		Ethanol	1250.000	1270.935	-1.7	131	-0.01
9	C	1,1-Dichloroethene	20.000	19.730	1.3	129	0.00
10		Carbon Disulfide	20.000	21.188	-5.9	135	0.00
11		Freon 113	20.000	21.041	-5.2	132	0.00
12		Iodomethane	20.000	18.379	8.1	135	0.00
13		Methylene Chloride	20.000	19.776	1.1	139	0.00
14		Acetone	40.000	31.826	20.4#	121	0.00
15		t-1,2-Dichloroethene	20.000	20.048	-0.2	129	0.00
16		n-Hexane	20.000	20.980	-4.9	135	0.00
17		Methyl-tert-butyl-ether	20.000	19.784	1.1	128	0.00
18		tert-Butanol (TBA)	1250.000	1403.250	-12.3	133	-0.01
19		Diisopropyl ether (DIPE)	5.000	5.000	0.0	128	0.00
20	P	1,1-Dichloroethane	20.000	20.217	-1.1	128	0.00
21		Acrylonitrile	20.000	16.578	17.1	101	0.00
22		Ethyl-tert-butyl ether (ETB	5.000	4.992	0.2	126	0.00
23		c-1,2-Dichloroethene	20.000	20.690	-3.5	128	0.00
24		2,2-Dichloropropane	20.000	25.096	-25.5#	165	0.00
25		Bromochloromethane	20.000	18.955	5.2	124	0.00
26	C	Chloroform	20.000	19.617	1.9	127	0.00
27		Carbon Tetrachloride	20.000	20.148	-0.7	125	0.00
28		Tetrahydrofuran	20.000	16.335	18.3	102	0.00
29		1,1,1-Trichloroethane	20.000	20.240	-1.2	125	0.00
30	S	Dibromofluoromethane (S)	50.000	54.329	-8.7	139	0.00
31		1,1-Dichloropropene	20.000	20.069	-0.3	128	0.00
32		2-Butanone (MEK)	40.000	32.792	18.0	99	0.00
33		Benzene	20.000	20.186	-0.9	132	-0.02
34		tert-Amyl methyl ether (TAM	5.000	5.154	-3.1	129	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\DATA\2020-11\0K20044\
Data File : VF20112003.D
Acq On : 20 Nov 2020 2:26 pm
Operator : IMA
Sample : 0110771-BS1
Misc : 50X 5g/5mL 1000uL/50mL VOCR+MeOH A20J254
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 23 14:00:20 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
35		1,2-Dichloroethane (EDC)	20.000	17.945	10.3	116	0.00
36		iso-Butyl Alcohol	500.000	497.345	0.5	127	0.00
37	S	1,4-Difluorobenzene (S)	50.000	54.390	-8.8	144	0.00
38		Trichloroethene (TCE)	20.000	21.436	-7.2	135	0.00
39		tert-Amyl ethyl ether (TAEE	5.000	5.151	-3.0	130	0.00
40		Dibromomethane	20.000	20.129	-0.6	132	0.00
41	C	1,2-Dichloropropane	20.000	20.538	-2.7	133	0.00
42		Bromodichloromethane	20.000	20.901	-4.5	126	0.00
43		Chlorobenzene-d5 (I)	50.000	50.000	0.0	141	0.00
44		c-1,3-Dichloropropene	20.000	19.237	3.8	140	0.00
45	S	Toluene-d8 (S)	50.000	49.879	0.2	141	0.00
46	C	Toluene	20.000	18.020	9.9	132	0.00
47		Tetrachloroethene (PCE)	20.000	19.916	0.4	136	0.00
48		4-Methyl-2-Pentanone (MIBK)	40.000	37.258	6.9	119	0.00
49		t-1,3-Dichloropropene	20.000	18.579	7.1	136	0.00
50		1,1,2-Trichloroethane	20.000	19.522	2.4	133	0.00
51		Dibromochloromethane	20.000	17.845	10.8	133	0.00
52		1,3-Dichloropropane	20.000	19.249	3.8	130	0.00
53		1,2-Dibromoethane (EDB)	20.000	19.833	0.8	134	0.00
54		2-Hexanone	40.000	35.443	11.4	117	0.00
55	P	Chlorobenzene	20.000	18.680	6.6	133	0.00
56	C	Ethylbenzene	20.000	19.296	3.5	128	0.00
57		1,1,1,2-Tetrachloroethane	20.000	18.244	8.8	132	0.00
58		m,p-Xylenes (2)	40.000	39.016	2.5	128	0.00
59		o-Xylene	20.000	19.907	0.5	128	0.00
60		Styrene	20.000	19.592	2.0	128	0.00
61	P	Bromoform	20.000	17.170	14.1	133	0.00
62		Isopropylbenzene	20.000	20.107	-0.5	129	0.00
63	I	1,4-Dichlorobenzene-d4 (I)	50.000	50.000	0.0	135	0.00
64	S	4-Bromofluorobenzene (S)	50.000	51.535	-3.1	140	0.00
65		Bromobenzene	20.000	20.047	-0.2	130	0.00
66		n-Propylbenzene	20.000	19.327	3.4	125	0.00

Data Path : Y:\DATA\2020-11\0K20044\
Data File : VF20112003.D
Acq On : 20 Nov 2020 2:26 pm
Operator : IMA
Sample : 0110771-BS1
Misc : 50X 5g/5mL 1000uL/50mL VOCR+MeOH A20J254
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 23 14:00:20 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
67 P	1,1,2,2-Tetrachloroethane	20.000	19.051	4.7	124	0.00
68	2-Chlorotoluene	20.000	20.573	-2.9	133	0.00
69	1,3,5-Trimethylbenzene	20.000	20.671	-3.4	127	0.00
70	1,2,3-Trichloropropane	20.000	18.577	7.1	121	0.00
71	t-1,4-Dichloro-2-butene	20.000	18.214	8.9	134	0.00
72	4-Chlorotoluene	20.000	20.001	-0.0	121	-0.02
73	tert-Butylbenzene	20.000	18.920	5.4	121	0.00
74	1,2,4-Trimethylbenzene	20.000	20.522	-2.6	128	0.00
75	sec-Butylbenzene	20.000	20.532	-2.7	129	0.00
76	4-Isopropyltoluene	20.000	20.561	-2.8	128	0.00
77	1,3-Dichlorobenzene	20.000	20.350	-1.8	130	-0.02
78	1,4-Dichlorobenzene	20.000	18.751	6.2	130	0.00
79	n-Butylbenzene	20.000	20.020	-0.1	125	0.00
80	1,2-Dichlorobenzene	20.000	20.025	-0.1	129	0.00
81	1,2-Dibromo-3-Chloropropane	20.000	18.516	7.4	128	0.00
82	Hexachlorobutadiene	20.000	20.330	-1.6	134	0.00
83	1,2,4-Trichlorobenzene	20.000	19.130	4.4	130	0.00
84	Naphthalene	20.000	18.913	5.4	130	0.00
85	1,2,3-Trichlorobenzene	20.000	20.121	-0.6	130	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K20044\
Data File : VF20112003.D
Acq On : 20 Nov 2020 2:26 pm
Operator : IMA
Sample : 0110771-BS1
Misc : 50X 5g/5mL 1000uL/50mL VOCR+MeOH A20J254
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 23 14:00:20 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.015	99	90890	50.00	ug/L		0.00
43) Chlorobenzene-d5 (I)	9.737	117	267759	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.695	152	119119	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.529	111	85617	54.33	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.581	114	305100	54.39	ug/L		0.00
45) Toluene-d8 (S)	8.083	98	383483	49.88	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.808	174	106809	51.54	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.606	85	25624	18.20	ug/L		98
3) Chloromethane	1.813	50	34673	18.72	ug/L		99
4) Vinyl Chloride	1.898	62	25372	20.55	ug/L		96
5) Bromomethane	2.257	96	20002	17.82	ug/L		98
6) Chloroethane	2.385	64	6377	13.81	ug/L		78
7) Trichlorofluoromethane	2.513	101	9080	10.12	ug/L		98
8) Ethanol	3.182	45	27413	1270.93	ug/L		89
9) 1,1-Dichloroethene	3.084	61	44281	19.73	ug/L		90
10) Carbon Disulfide	3.102	76	60744	21.19	ug/L		99
11) Freon 113	3.133	101	30315	21.04	ug/L		85
12) Iodomethane	3.236	142	14586	18.38	ug/L		96
13) Methylene Chloride	3.717	84	35349	19.78	ug/L		91
14) Acetone	3.796	43	17851	31.83	ug/L		90
15) t-1,2-Dichloroethene	3.881	61	48669	20.05	ug/L		88
16) n-Hexane	3.960	86	7143	20.98	ug/L	#	94
17) Methyl-tert-butyl-ether	4.009	73	108573	19.78	ug/L		99
18) tert-Butanol (TBA)	4.167	59	320659	1403.25	ug/L	#	94
19) Diisopropyl ether (DIPE)	4.398	45	26624	5.00	ug/L		94
20) 1,1-Dichloroethane	4.507	63	65883	20.22	ug/L		98
21) Acrylonitrile	4.580	53	13197	16.58	ug/L		97
22) Ethyl-tert-butyl ether...	4.769	59	26511	4.99	ug/L		97
23) c-1,2-Dichloroethene	5.067	61	48762	20.69	ug/L		94
24) 2,2-Dichloropropane	5.164	77	39641	25.10	ug/L		93
25) Bromochloromethane	5.267	49	23944	18.96	ug/L		90
26) Chloroform	5.346	83	62585	19.62	ug/L		98
27) Carbon Tetrachloride	5.474	117	33758	20.15	ug/L		97

Data Path : Y:\DATA\2020-11\0K20044\
Data File : VF20112003.D
Acq On : 20 Nov 2020 2:26 pm
Operator : IMA
Sample : 0110771-BS1
Misc : 50X 5g/5mL 1000uL/50mL VOCR+MeOH A20J254
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 23 14:00:20 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
28) Tetrahydrofuran	5.517	42	12478	16.33	ug/L		89
29) 1,1,1-Trichloroethane	5.541	97	49004	20.24	ug/L		100
31) 1,1-Dichloropropene	5.675	75	49483	20.07	ug/L		98
32) 2-Butanone (MEK)	5.669	43	33468	32.79	ug/L		85
33) Benzene	5.924	78	168739	20.19	ug/L		98
34) tert-Amyl methyl ether...	6.058	73	24662	5.15	ug/L		94
35) 1,2-Dichloroethane (EDC)	6.143	62	46862	17.95	ug/L		98
36) iso-Butyl Alcohol	6.210	43	49445	497.35	ug/L		93
38) Trichloroethene (TCE)	6.545	130	41138	21.44	ug/L		98
39) tert-Amyl ethyl ether ...	6.800	59	17391	5.15	ug/L		98
40) Dibromomethane	6.995	93	22604	20.13	ug/L		91
41) 1,2-Dichloropropane	7.098	63	40881	20.54	ug/L		88
42) Bromodichloromethane	7.177	83	38357	20.90	ug/L		98
44) c-1,3-Dichloropropene	7.876	75	53968	19.24	ug/L		93
46) Toluene	8.144	91	174451	18.02	ug/L		98
47) Tetrachloroethene (PCE)	8.594	166	38009	19.92	ug/L		97
48) 4-Methyl-2-Pentanone (...	8.588	43	80167	37.26	ug/L		92
49) t-1,3-Dichloropropene	8.636	75	46928	18.58	ug/L		97
50) 1,1,2-Trichloroethane	8.807	97	37919	19.52	ug/L		95
51) Dibromochloromethane	9.001	129	28418	17.84	ug/L		95
52) 1,3-Dichloropropane	9.099	76	68049	19.25	ug/L		91
53) 1,2-Dibromoethane (EDB)	9.239	107	37399	19.83	ug/L		99
54) 2-Hexanone	9.476	43	51593	35.44	ug/L		91
55) Chlorobenzene	9.755	112	108321	18.68	ug/L		98
56) Ethylbenzene	9.780	91	172094	19.30	ug/L		99
57) 1,1,1,2-Tetrachloroethane	9.816	131	30988	18.24	ug/L		97
58) m,p-Xylenes (2)	9.914	91	253881	39.02	ug/L		98
59) o-Xylene	10.297	91	126557	19.91	ug/L		99
60) Styrene	10.345	104	96283	19.59	ug/L		98
61) Bromoform	10.376	173	18403	17.17	ug/L		99
62) Isopropylbenzene	10.570	105	148035	20.11	ug/L		98
65) Bromobenzene	10.893	156	39882	20.05	ug/L		92
66) n-Propylbenzene	10.911	91	164441	19.33	ug/L		96
67) 1,1,2,2-Tetrachloroethane	10.978	83	46186	19.05	ug/L		99
68) 2-Chlorotoluene	11.045	126	35200	20.57	ug/L		92
69) 1,3,5-Trimethylbenzene	11.069	105	112514	20.67	ug/L		99
70) 1,2,3-Trichloropropane	11.087	110	15583	18.58	ug/L	#	76
71) t-1,4-Dichloro-2-butene	11.118	88	4421	18.21	ug/L	#	90

Data Path : Y:\DATA\2020-11\0K20044\
Data File : VF20112003.D
Acq On : 20 Nov 2020 2:26 pm
Operator : IMA
Sample : 0110771-BS1
Misc : 50X 5g/5mL 1000uL/50mL VOCR+MeOH A20J254
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 23 14:00:20 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration

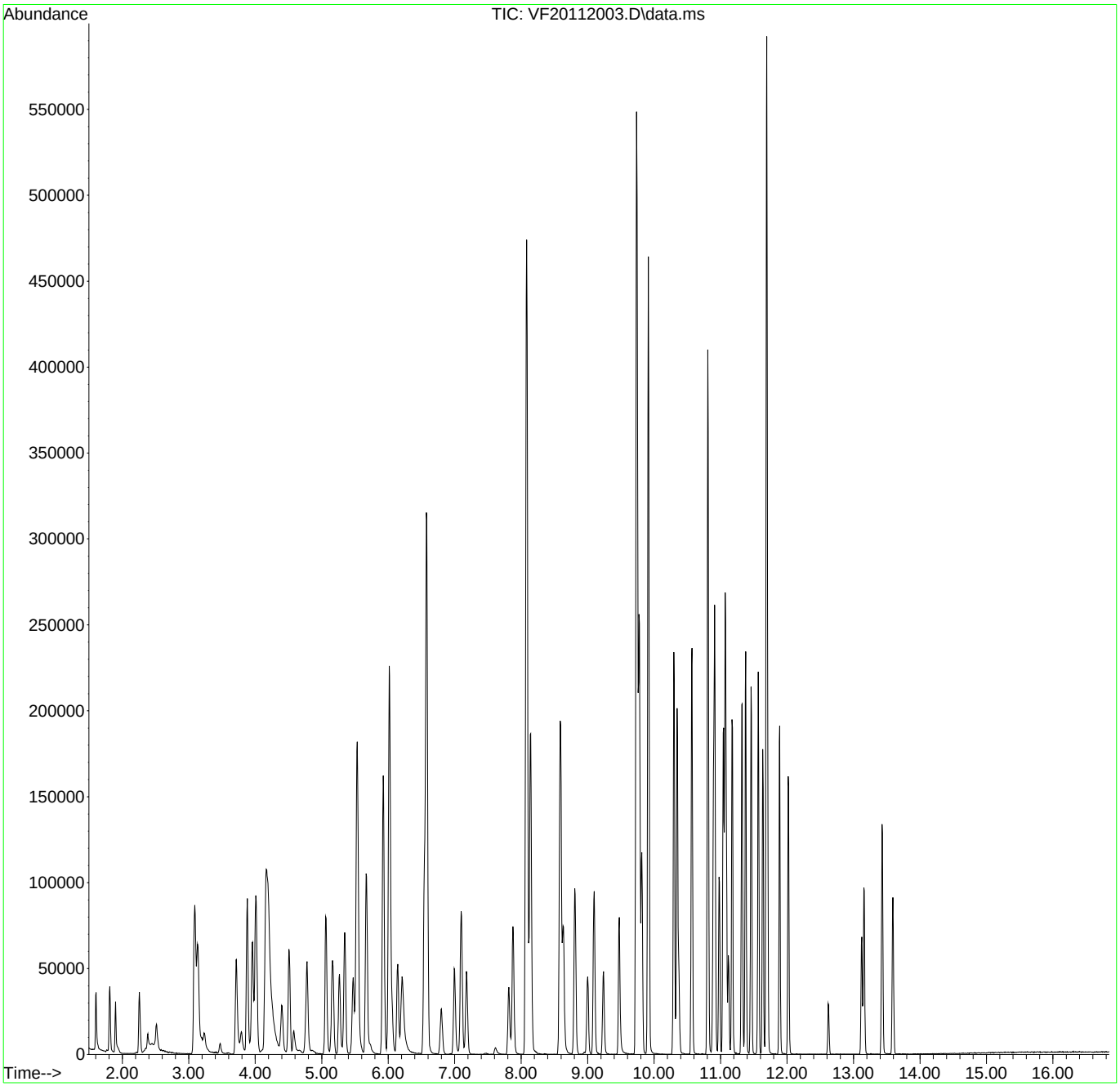
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 4-Chlorotoluene	11.172	91	102293	20.00	ug/L	98
73) tert-Butylbenzene	11.324	91	57798	18.92	ug/L	99
74) 1,2,4-Trimethylbenzene	11.379	105	114691	20.52	ug/L	97
75) sec-Butylbenzene	11.458	105	132990	20.53	ug/L	97
76) 4-Isopropyltoluene	11.568	119	109819	20.56	ug/L	97
77) 1,3-Dichlorobenzene	11.635	146	64437	20.35	ug/L	97
78) 1,4-Dichlorobenzene	11.701	146	66410	18.75	ug/L	97
79) n-Butylbenzene	11.890	91	89448	20.02	ug/L	100
80) 1,2-Dichlorobenzene	12.024	146	60334	20.02	ug/L	98
81) 1,2-Dibromo-3-Chloropr...	12.626	157	7747	18.52	ug/L	91
82) Hexachlorobutadiene	13.125	223	8395	20.33	ug/L	99
83) 1,2,4-Trichlorobenzene	13.161	180	30530	19.13	ug/L	99
84) Naphthalene	13.429	128	102679	18.91	ug/L	98
85) 1,2,3-Trichlorobenzene	13.593	180	29844	20.12	ug/L	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K20044\
Data File : VF20112003.D
Acq On : 20 Nov 2020 2:26 pm
Operator : IMA
Sample : 0110771-BS1
Misc : 50X 5g/5mL 1000uL/50mL VOCR+MeOH A20J254
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 23 14:00:20 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data Path : Y:\DATA\2020-11\0K20044\
Data File : VF20112004.D
Acq On : 20 Nov 2020 2:53 pm
Operator : IMA
Sample : 0110771-BS2
Misc : 50X 5g/5mL 1000uL/50mL GX+MeOH A20J182
ALS Vial : 4 Sample Multiplier: 1

IMA
11/23/20

Quant Time: Nov 23 14:00:47 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Nov 19 14:37:04 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene (IS)	50.000	50.000	0.0	143	0.00
2	S	1,4-Difluorobenzene (Sur)	50.000	48.875	2.3	142	0.00
3	S	4-Bromofluorobenzene (Sur)	50.000	48.344	3.3	137	0.00
4	S	Chlorobenzene-d5 (NR)	-1.000	0.000	0.0	136	0.00
5	H	NWTPH-Gx	500.000	499.531	0.1	151	0.00
6	H	TPHg (C5-C9)	500.000	521.680	-4.3	154	0.00
7	H	TPHg (C6-C10)	500.000	524.504	-4.9	156	0.00
8	H	CA-LUFT (C5-C12)	500.000	509.154	-1.8	153	0.00
9		Benzene (NR)	-1.000	0.000	0.0	153	0.00
10	S	Toluene-d8 (NR)	-1.000	0.000	0.0	144	0.00
11	C	Toluene (NR)	-1.000	0.000	0.0	148	0.00
12	S	1,4-Dichlorobenzene-d4 (NR)	-1.000	0.000	0.0	139	0.00
13		Naphthalene (NR)	-1.000	0.000	0.0	0	-0.01

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K20044\
Data File : VF20112004.D
Acq On : 20 Nov 2020 2:53 pm
Operator : IMA
Sample : 0110771-BS2
Misc : 50X 5g/5mL 1000uL/50mL GX+MeOH A20J182
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 23 14:00:47 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Nov 19 14:37:04 2020
Response via : Initial Calibration

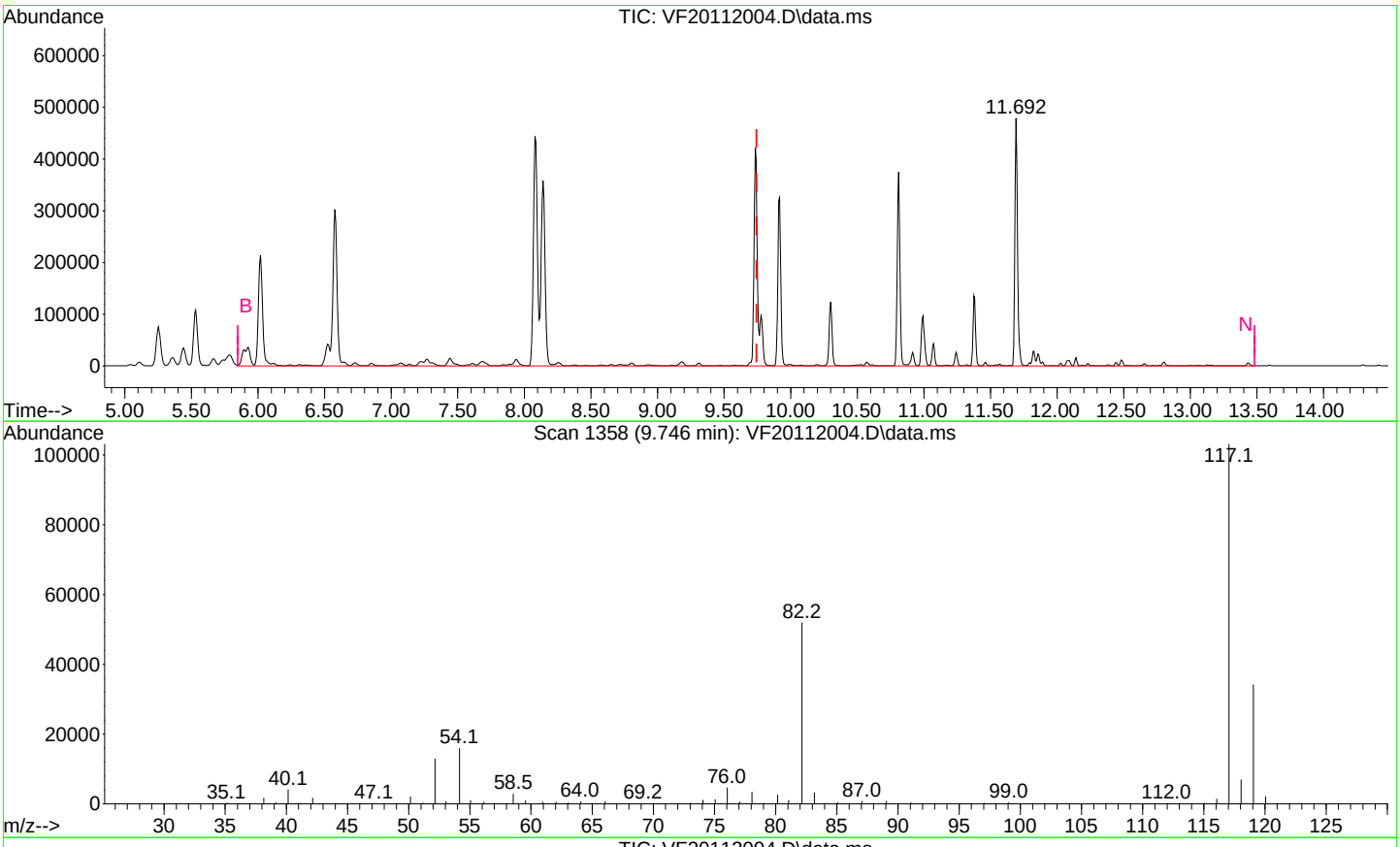
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.018	168	176247	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.578	TIC	629409	48.87	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.810	TIC	519762	48.34	ug/L	0.00
4) Chlorobenzene-d5 (NR)	9.734	TIC	677185	0.00	ug/L	0.00
10) Toluene-d8 (NR)	8.080	TIC	907552	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.692	TIC	650992	0.00	ug/L	0.00
Target Compounds						Qvalue
5) NWTPH-Gx	9.745	TIC	2753540m	499.53	ug/L	
6) TPHg (C5-C9)	9.745	TIC	3559574m	521.68	ug/L	
7) TPHg (C6-C10)	9.745	TIC	3114821m	524.50	ug/L	
8) CA-LUFT (C5-C12)	9.745	TIC	4202141m	509.15	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K20044\
Data File : VF20112004.D
Acq On : 20 Nov 2020 2:53 pm
Operator : IMA
Sample : 0110771-BS2
Misc : 50X 5g/5mL 1000uL/50mL GX+MeOH A20J182
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 23 14:00:47 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Nov 19 14:37:04 2020
Response via : Initial Calibration



TIC: VF20112004.D\data.ms

(5) NWTPH-Gx (H)

9.745min (0.000) 499.53 ug/L m

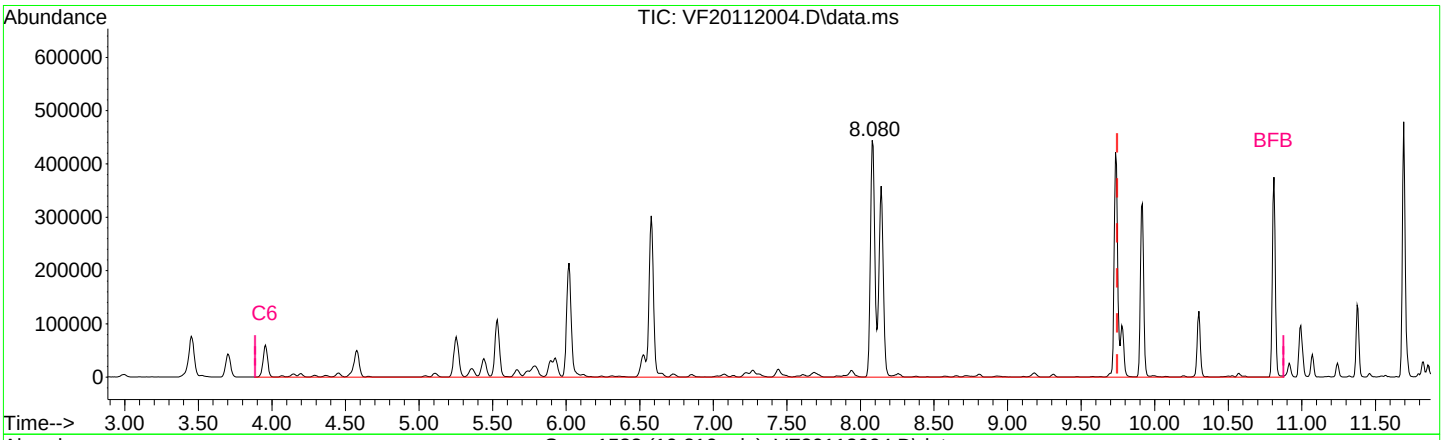
response 2753540

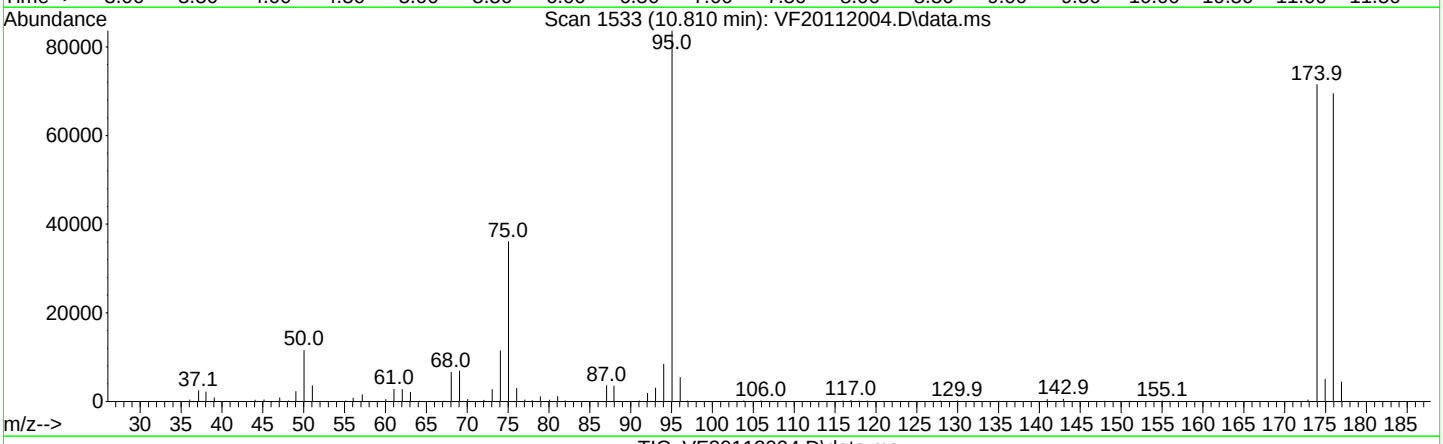
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K20044\
Data File : VF20112004.D
Acq On : 20 Nov 2020 2:53 pm
Operator : IMA
Sample : 0110771-BS2
Misc : 50X 5g/5mL 1000uL/50mL GX+MeOH A20J182
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 23 14:00:47 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Nov 19 14:37:04 2020
Response via : Initial Calibration





TIC: VF20112004.D\data.ms

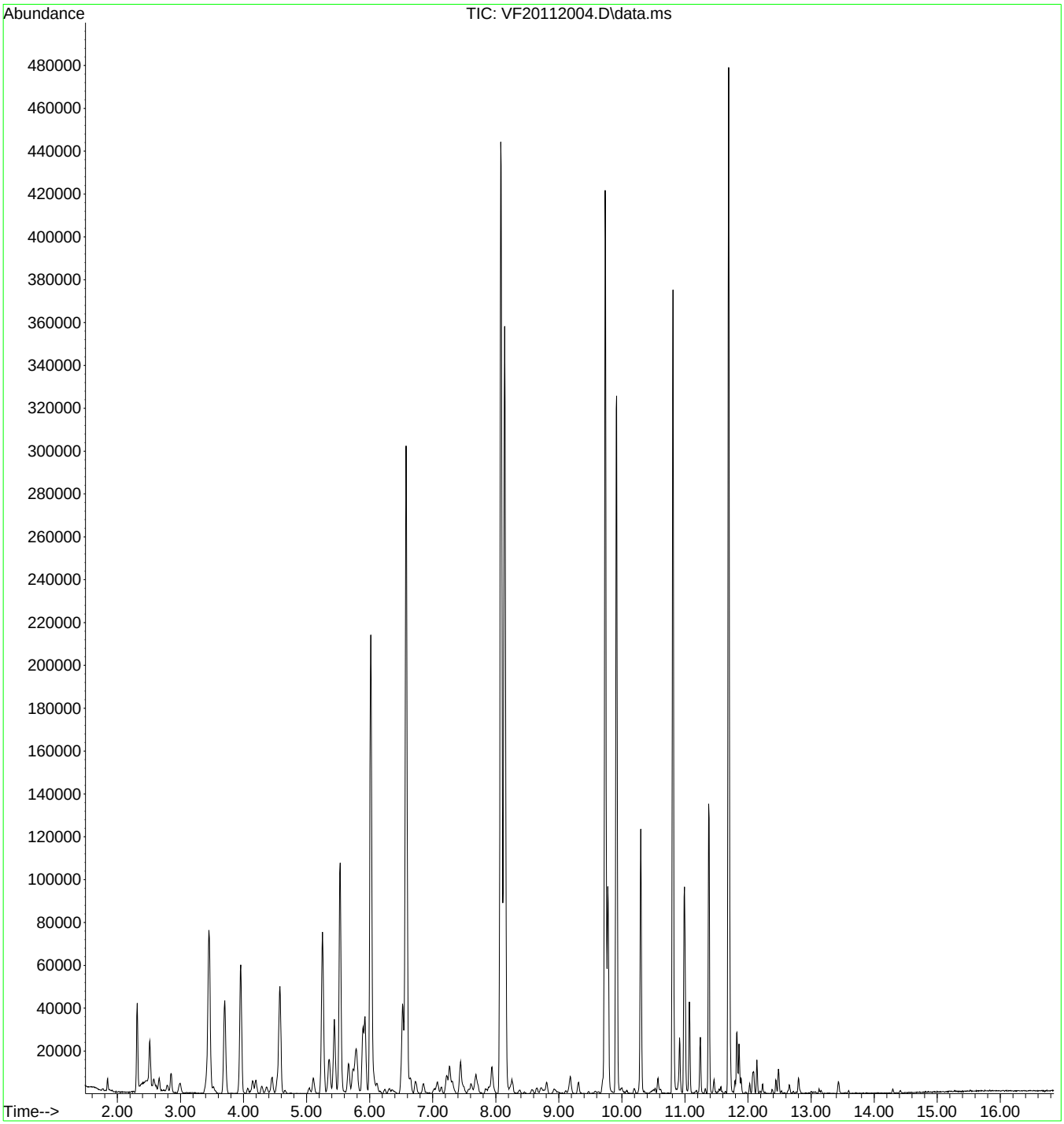
(7) TPHg (C6-C10) (H)

9.745min (0.000) 524.50 ug/L m

response 3114821

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

File :Y:\DATA\2020-11\0K20044\VF20112004.D
Operator : IMA
Acquired : 20 Nov 2020 2:53 pm using AcqMethod VF1906RUN.M
Instrument : VOA-GCMS6
Sample Name: 0110771-BS2
Misc Info : 50X 5g/5mL 1000uL/50mL GX+MeOH A20J182
Vial Number: 4



Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K20044\
Data File : VF20112005.D
Acq On : 20 Nov 2020 3:20 pm
Operator : IMA
Sample : RTCHECK
Misc : 50X 5g/5mL 1000uL/50mL VPH marker
ALS Vial : 5 Sample Multiplier: 1

IMA
11/23/20

Quant Time: Nov 23 14:01:49 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Nov 19 14:37:04 2020
Response via : Initial Calibration

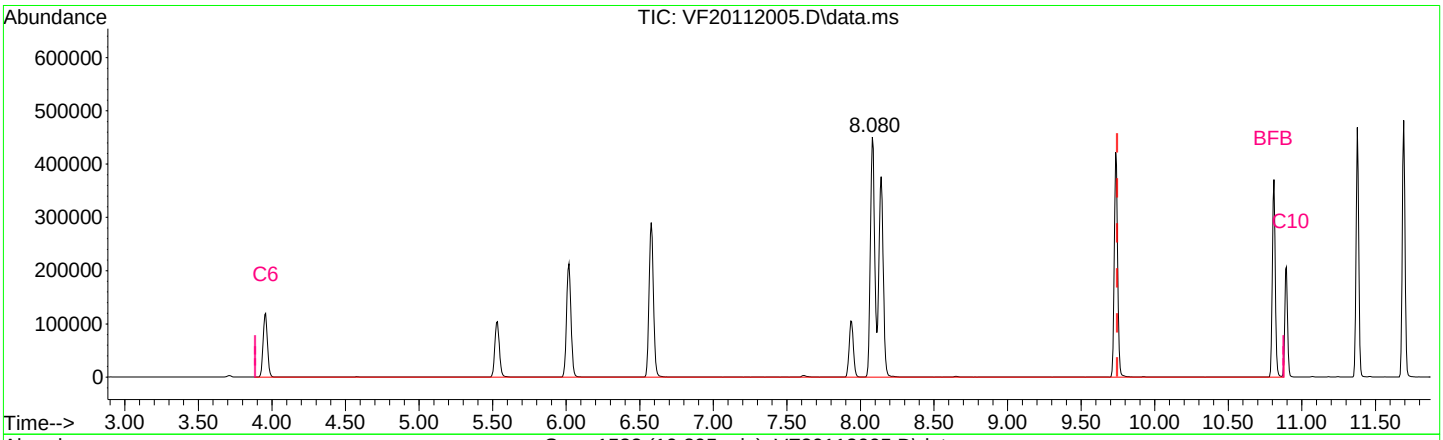
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.019	168	173370	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.578	TIC	599852	47.35	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.811	TIC	511908	48.40	ug/L	0.00
4) Chlorobenzene-d5 (NR)	9.734	TIC	676582	0.00	ug/L	0.00
10) Toluene-d8 (NR)	8.080	TIC	908253	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.693	TIC	620734	0.00	ug/L	0.00
Target Compounds						Qvalue
5) NWTPH-Gx	9.745	TIC	2558229m	473.62	ug/L	
6) TPHg (C5-C9)	9.745	TIC	1573453m	222.66	ug/L	
7) TPHg (C6-C10)	9.745	TIC	1459466m	242.04	ug/L	
8) CA-LUFT (C5-C12)	9.745	TIC	2737796m	335.13	ug/L	

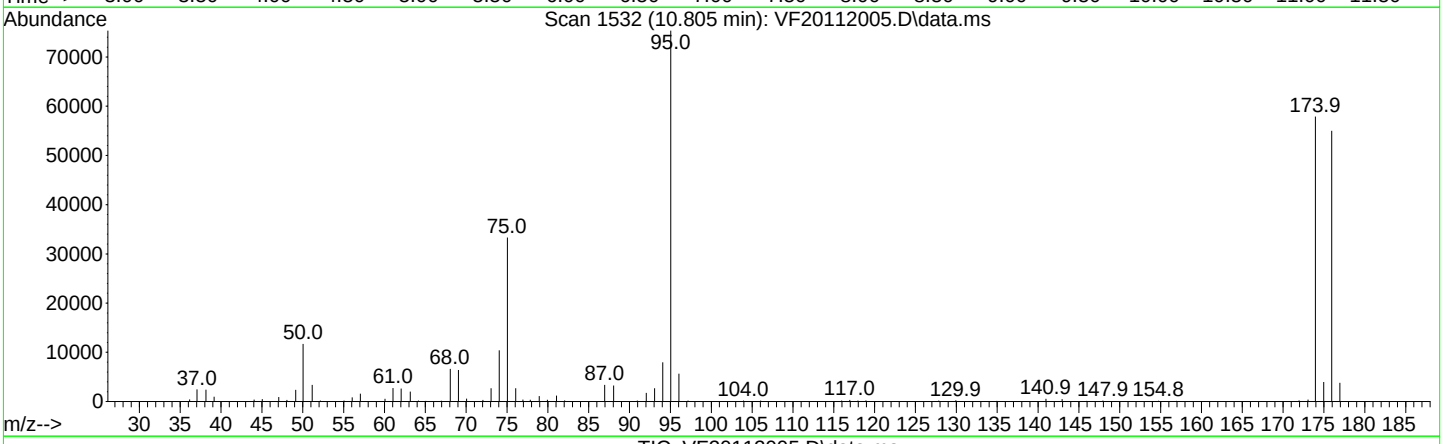
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K20044\
Data File : VF20112005.D
Acq On : 20 Nov 2020 3:20 pm
Operator : IMA
Sample : RTCHECK
Misc : 50X 5g/5mL 1000uL/50mL VPH marker
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 23 14:01:49 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Nov 19 14:37:04 2020
Response via : Initial Calibration





TIC: VF20112005.D\data.ms

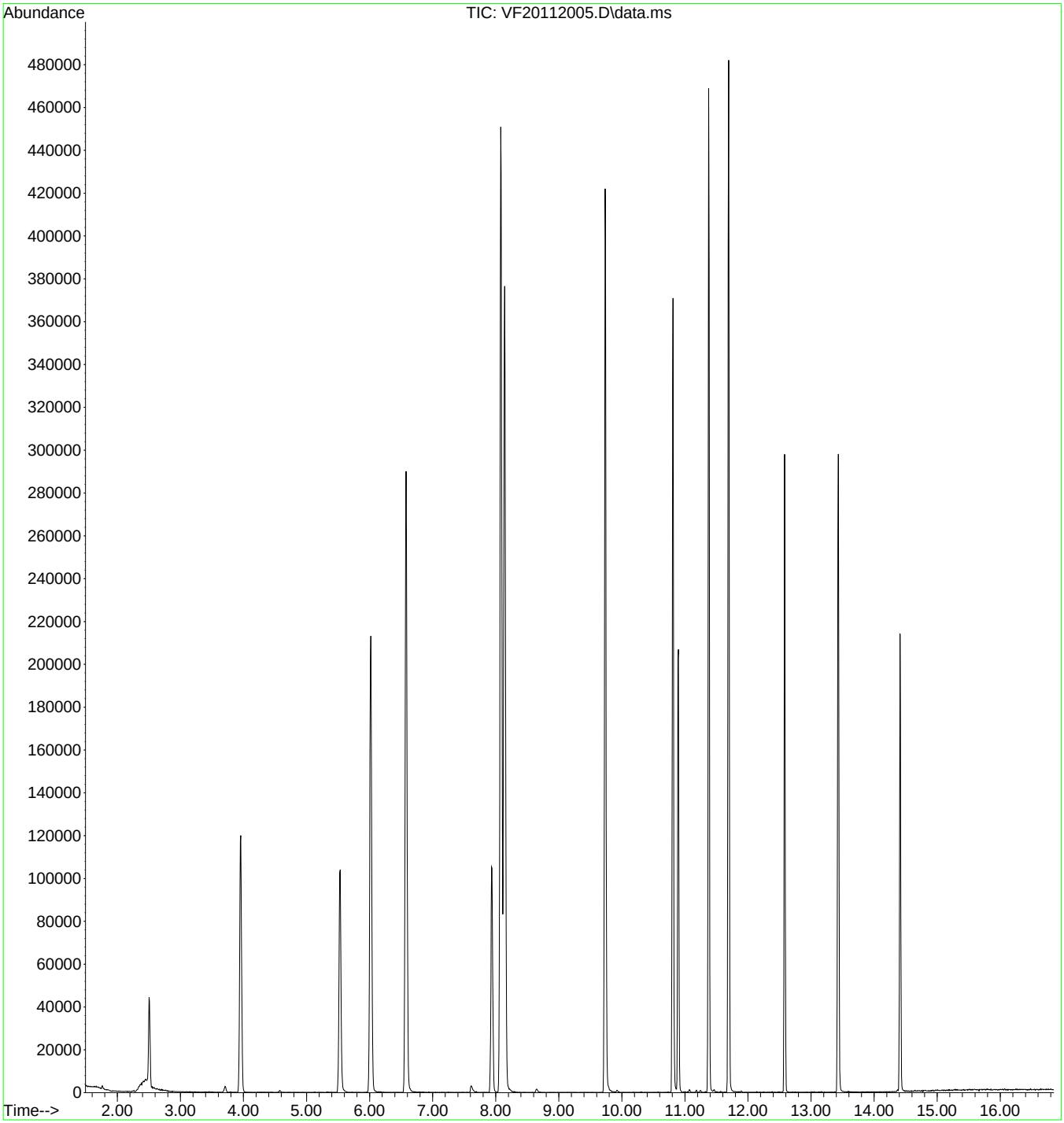
(7) TPHg (C6-C10) (H)

9.745min (0.000) 242.04 ug/L m

response 1459466

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	1.09#
0.00	0.00	0.90#
0.00	0.00	0.00

File :Y:\DATA\2020-11\0K20044\VF20112005.D
Operator : IMA
Acquired : 20 Nov 2020 3:20 pm using AcqMethod VF1906RUN.M
Instrument : VOA-GCMS6
Sample Name: RTCHECK
Misc Info : 50X 5g/5mL 1000uL/50mL VPH marker
Vial Number: 5



Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K20044\
Data File : VF20112006.D
Acq On : 20 Nov 2020 3:47 pm
Operator : IMA
Sample : 0110771-BLK1
Misc : 50X 7.5g/5mL 1000uL/50mL DI+MeOH
ALS Vial : 6 Sample Multiplier: 1

IMA
11/23/20

Quant Time: Nov 23 14:02:43 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.018	99	87027	50.00	ug/L		0.00
43) Chlorobenzene-d5 (I)	9.740	117	251319	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.692	152	109665	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.531	111	73538	48.74	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.583	114	288328	53.68	ug/L		0.00
45) Toluene-d8 (S)	8.085	98	358541	49.69	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.810	174	97348	51.02	ug/L		0.00
Target Compounds							Qvalue
5) Bromomethane	2.260	96	289	0.27	ug/L		72
13) Methylene Chloride	3.725	84	1029	0.60	ug/L		80
16) n-Hexane	3.968	86	423	1.30	ug/L	#	83
46) Toluene	8.146	91	1347	0.15	ug/L		84
58) m,p-Xylenes (2)	9.928	91	739	0.12	ug/L		95
69) 1,3,5-Trimethylbenzene	11.077	105	408	0.08	ug/L		67
74) 1,2,4-Trimethylbenzene	11.382	105	2022	0.39	ug/L		95
84) Naphthalene	13.437	128	1335	0.48	ug/L		78

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K20044\
Data File : VF20112006.D
Acq On : 20 Nov 2020 3:47 pm
Operator : IMA
Sample : 0110771-BLK1
Misc : 50X 7.5g/5mL 1000uL/50mL DI+MeOH
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 23 14:02:47 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Nov 19 14:37:04 2020
Response via : Initial Calibration

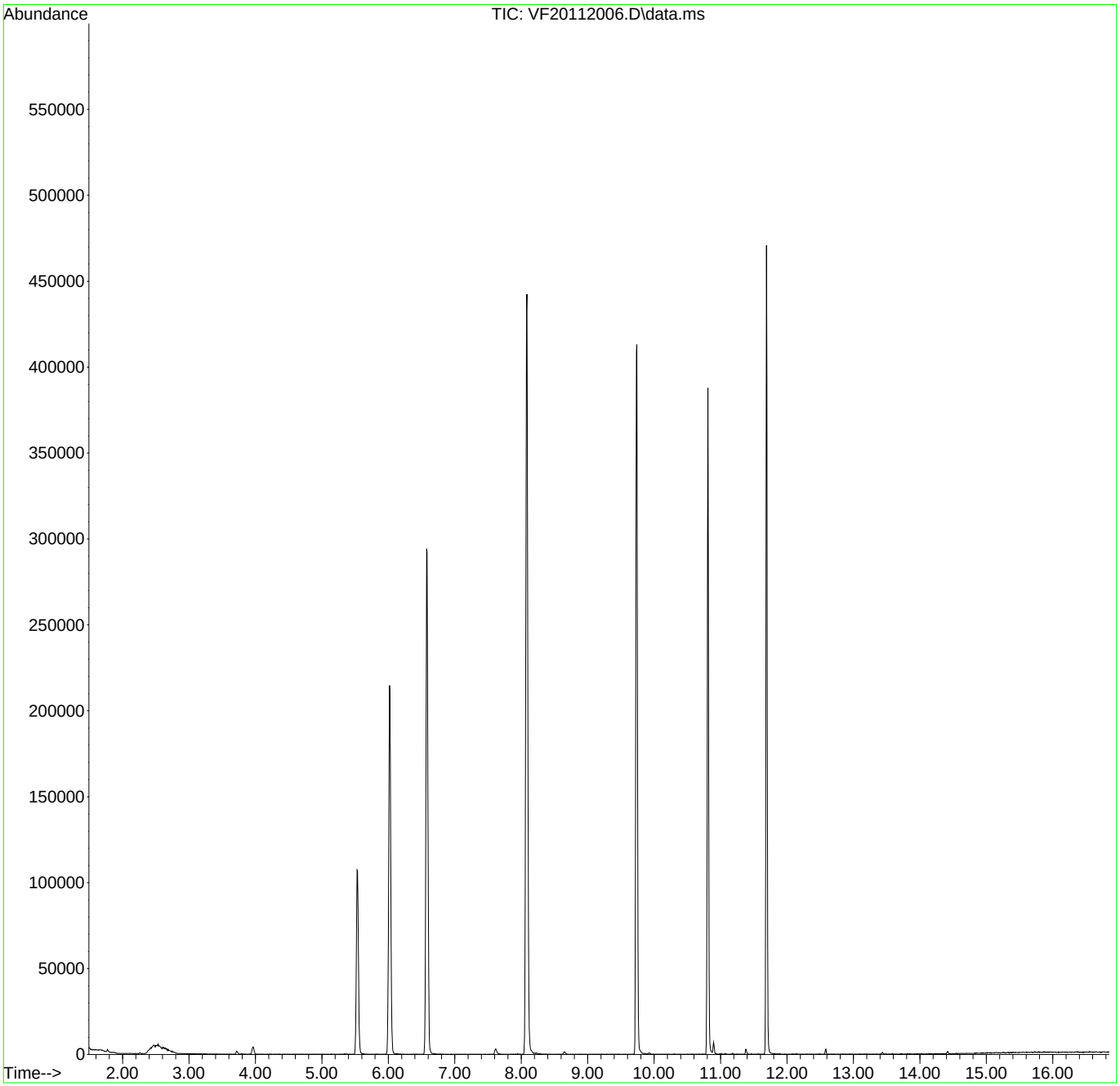
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.024	168	176568	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.577	TIC	607876	47.12	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.810	TIC	512247	47.56	ug/L	0.00
4) Chlorobenzene-d5 (NR)	9.740	TIC	678808	0.00	ug/L	0.00
10) Toluene-d8 (NR)	8.085	TIC	903055	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.692	TIC	604278	0.00	ug/L	0.00
Target Compounds						Qvalue
5) NWTPH-Gx	9.745	TIC	23443m	34.00	ug/L	
6) TPHg (C5-C9)	9.745	TIC	275249m	19.48	ug/L	
7) TPHg (C6-C10)	9.745	TIC	246941m	26.50	ug/L	
8) CA-LUFT (C5-C12)	9.745	TIC	284871m	26.44	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K20044\
Data File : VF20112006.D
Acq On : 20 Nov 2020 3:47 pm
Operator : IMA
Sample : 0110771-BLK1
Misc : 50X 7.5g/5mL 1000uL/50mL DI+MeOH
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 23 14:02:43 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K20044\
Data File : VF20112013.D
Acq On : 20 Nov 2020 6:56 pm
Operator : IMA
Sample : A0K0482-22
Misc : 50X 5g/5mL 1000uL/50mL BTEX+HALO6 (QC)
ALS Vial : 13 Sample Multiplier: 1

IMA
11/23/20

Quant Time: Nov 23 14:07:17 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (I)	6.021	99	81362	50.00	ug/L	# 0.00
43) Chlorobenzene-d5 (I)	9.737	117	233320	50.00	ug/L	0.00
63) 1,4-Dichlorobenzene-d4...	11.695	152	103277	50.00	ug/L	0.00
System Monitoring Compounds						
30) Dibromofluoromethane (S)	5.535	111	69685	49.40	ug/L	0.00
37) 1,4-Difluorobenzene (S)	6.581	114	270320	53.83	ug/L	0.00
45) Toluene-d8 (S)	8.083	98	334720	49.96	ug/L	0.00
64) 4-Bromofluorobenzene (S)	10.807	174	92045	51.22	ug/L	0.00
Target Compounds						Qvalue
5) Bromomethane	2.251	96	153	0.15	ug/L	# 69
13) Methylene Chloride	3.716	84	1164	0.73	ug/L	87
46) Toluene	8.150	91	1329	0.16	ug/L	88
58) m,p-Xylenes (2)	9.925	91	1343	0.24	ug/L	90
74) 1,2,4-Trimethylbenzene	11.385	105	1059	0.22	ug/L	83
75) sec-Butylbenzene	11.385	105	1059	0.19	ug/L	57

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K20044\
Data File : VF20112013.D
Acq On : 20 Nov 2020 6:56 pm
Operator : IMA
Sample : A0K0482-22
Misc : 50X 5g/5mL 1000uL/50mL BTEX+HALO6 (QC)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 23 14:07:24 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Nov 19 14:37:04 2020
Response via : Initial Calibration

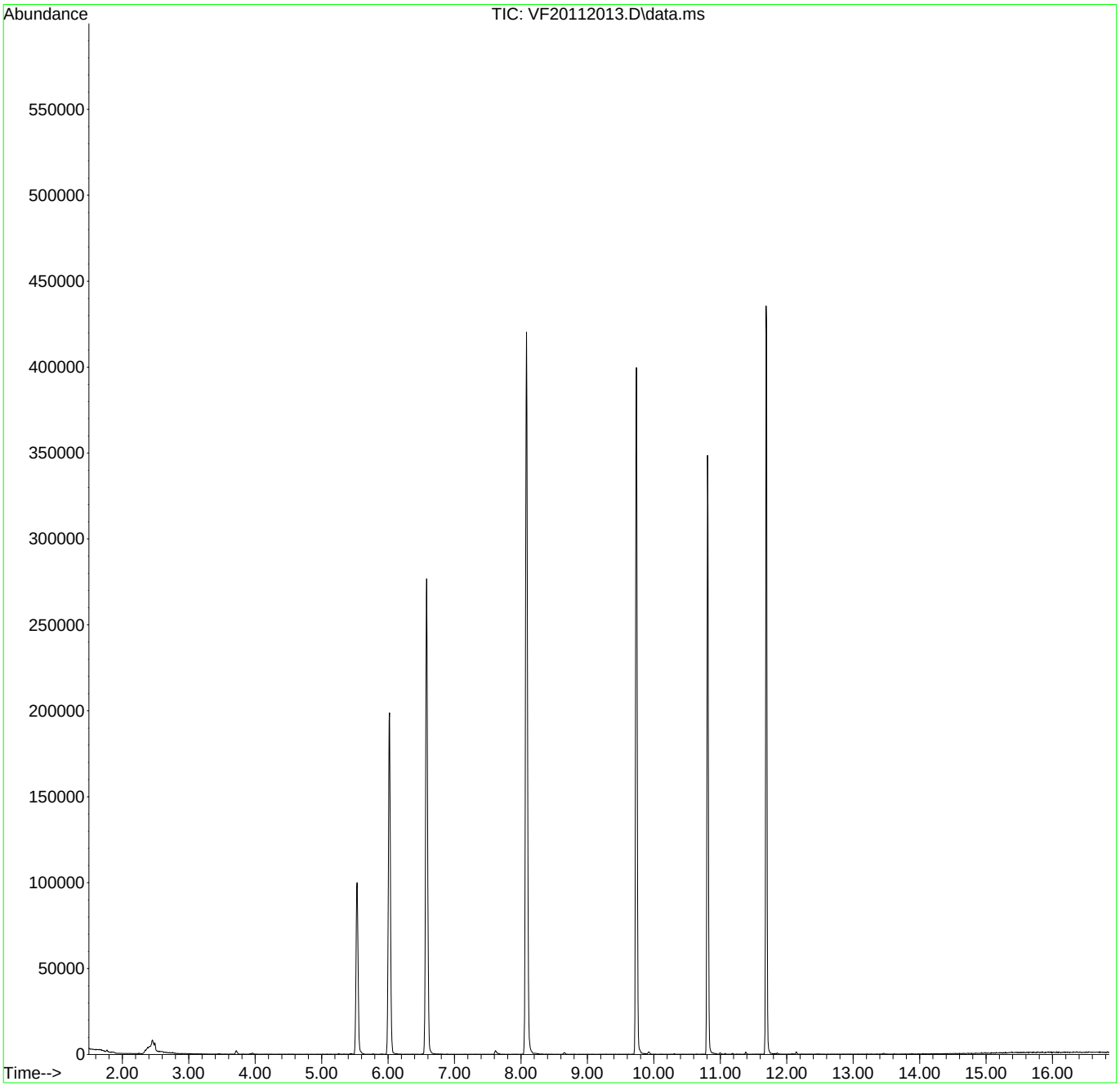
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.021	168	165691	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.581	TIC	568628	46.97	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.807	TIC	483663	47.85	ug/L	0.00
4) Chlorobenzene-d5 (NR)	9.737	TIC	638594	0.00	ug/L	0.00
10) Toluene-d8 (NR)	8.083	TIC	841913	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.689	TIC	570768	0.00	ug/L	0.00
Target Compounds						Qvalue
5) NWTPH-Gx	9.745	TIC	14959m	32.71	ug/L	
6) TPHg (C5-C9)	9.745	TIC	268066m	21.07	ug/L	
7) TPHg (C6-C10)	9.745	TIC	224987m	25.24	ug/L	
8) CA-LUFT (C5-C12)	9.745	TIC	270385m	26.85	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K20044\
Data File : VF20112013.D
Acq On : 20 Nov 2020 6:56 pm
Operator : IMA
Sample : A0K0482-22
Misc : 50X 5g/5mL 1000uL/50mL BTEX+HALO6 (QC)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 23 14:07:17 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K20044\
Data File : VF20112014.D
Acq On : 20 Nov 2020 7:23 pm
Operator : IMA
Sample : 0110771-DUP1
Misc : 50X 5g/5mL 1000uL/50mL (A0K0482-22)
ALS Vial : 14 Sample Multiplier: 1

IMA
11/23/20

Quant Time: Nov 23 14:07:33 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration

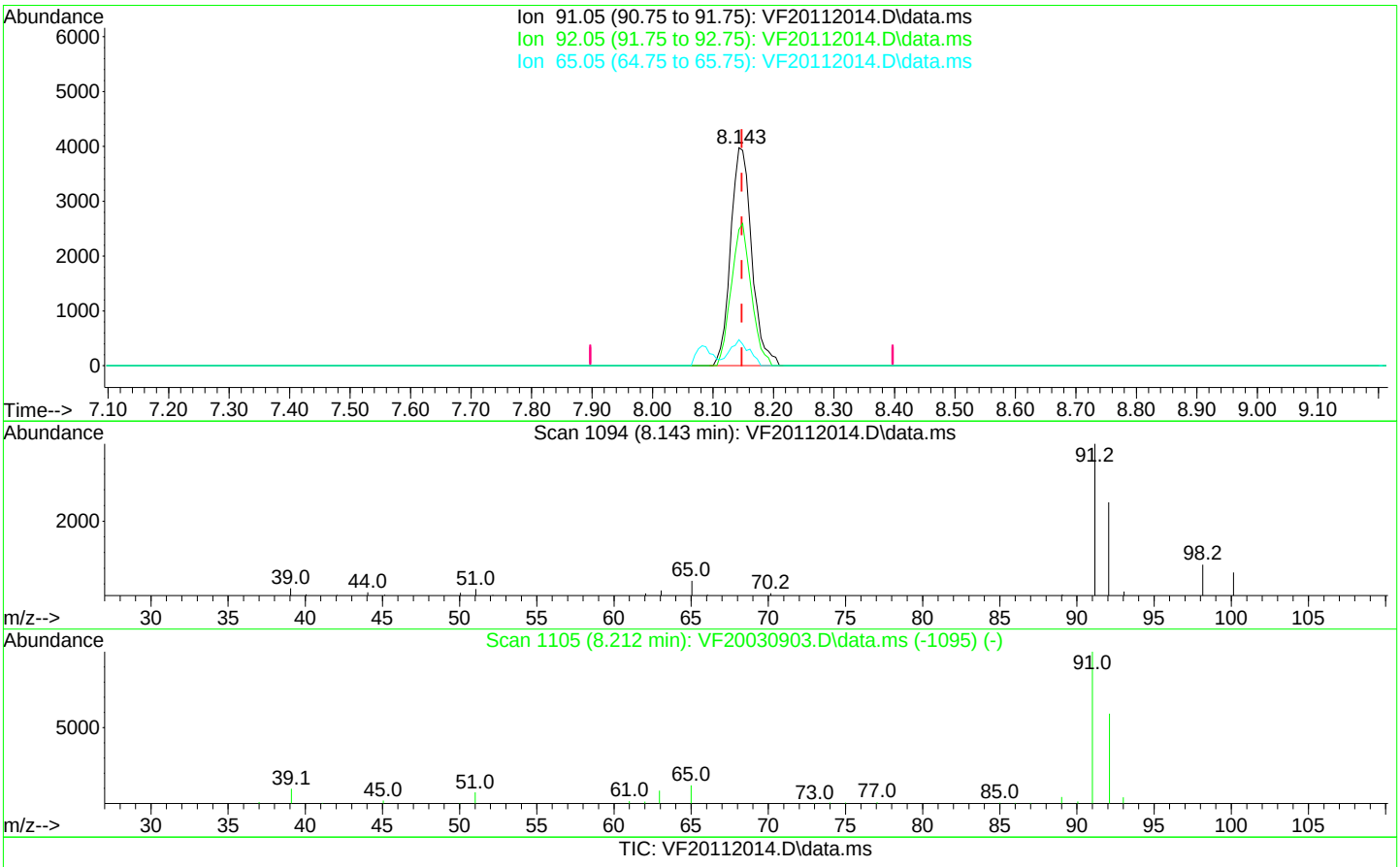
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.020	99	80990	50.00	ug/L		0.00
43) Chlorobenzene-d5 (I)	9.736	117	232819	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.694	152	105936	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.534	111	69670	49.61	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.580	114	267067	53.43	ug/L		0.00
45) Toluene-d8 (S)	8.082	98	332704	49.77	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.813	174	93826	50.90	ug/L		0.00
Target Compounds							Qvalue
5) Bromomethane	2.262	96	139	0.14	ug/L		73
13) Methylene Chloride	3.722	84	881	0.55	ug/L		87
46) Toluene	8.143	91	9658	1.15	ug/L		97
56) Ethylbenzene	9.785	91	2699	0.35	ug/L		97
58) m,p-Xylenes (2)	9.919	91	6565	1.16	ug/L		92
59) o-Xylene	10.302	91	2208	0.40	ug/L		90
66) n-Propylbenzene	10.922	91	990	0.13	ug/L		90
69) 1,3,5-Trimethylbenzene	11.074	105	1085	0.22	ug/L		90
73) tert-Butylbenzene	11.378	91	235	0.09	ug/L	#	82
74) 1,2,4-Trimethylbenzene	11.378	105	3290	0.66	ug/L		98
75) sec-Butylbenzene	11.378	105	3290	0.57	ug/L		65

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K20044\
Data File : VF20112014.D
Acq On : 20 Nov 2020 7:23 pm
Operator : IMA
Sample : 0110771-DUP1
Misc : 50X 5g/5mL 1000uL/50mL (A0K0482-22)
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 23 14:07:33 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration



TIC: VF20112014.D\data.ms

(46) Toluene (C)

8.143min (-0.004) 1.15 ug/L

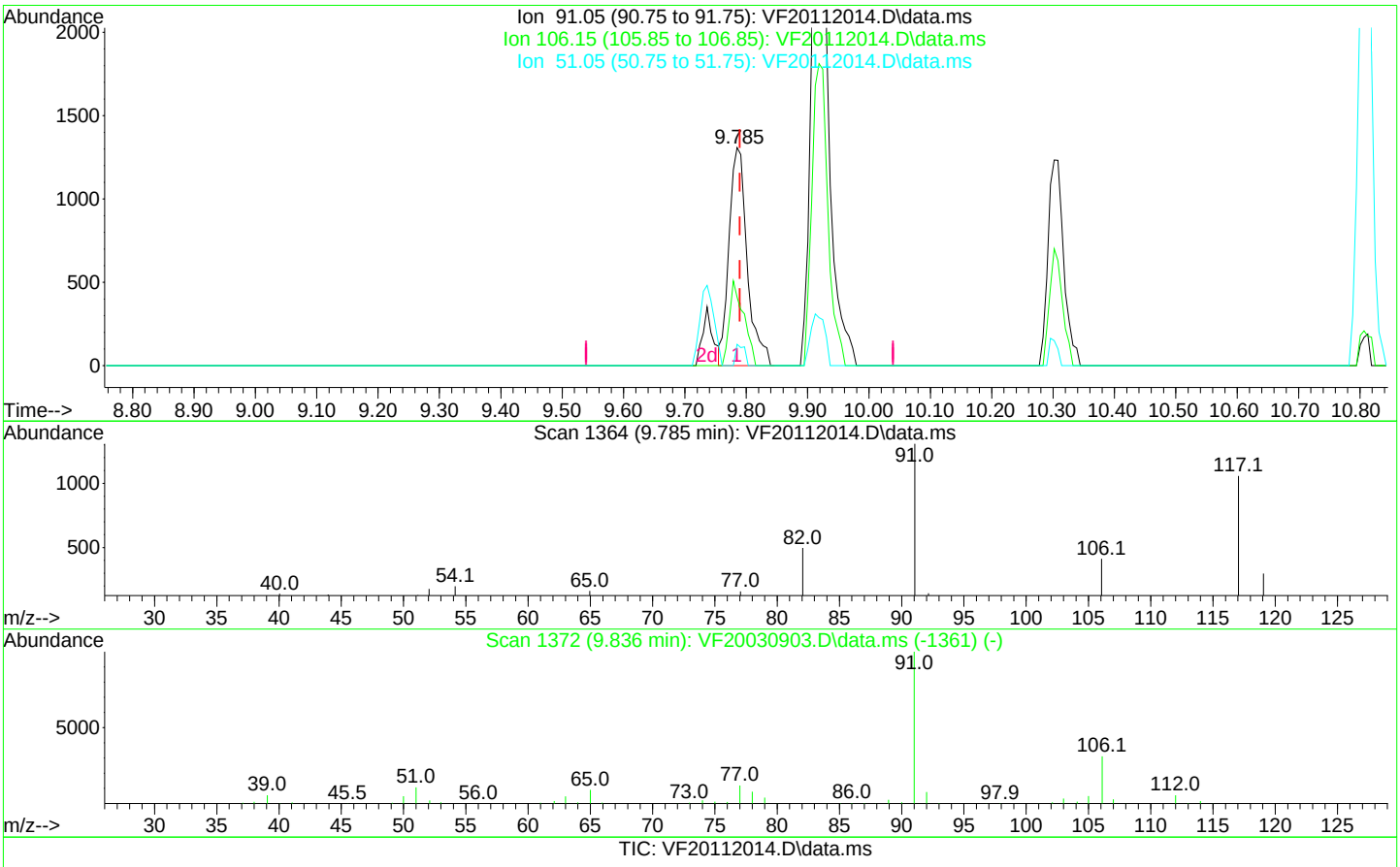
response 9658

Ion	Exp%	Act%
91.05	100.00	100.00
92.05	60.20	62.49
65.05	11.90	11.95
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K20044\
Data File : VF20112014.D
Acq On : 20 Nov 2020 7:23 pm
Operator : IMA
Sample : 0110771-DUP1
Misc : 50X 5g/5mL 1000uL/50mL (A0K0482-22)
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 23 14:07:33 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration



TIC: VF20112014.D\data.ms

(56) Ethylbenzene (C)

9.785min (-0.004) 0.35 ug/L

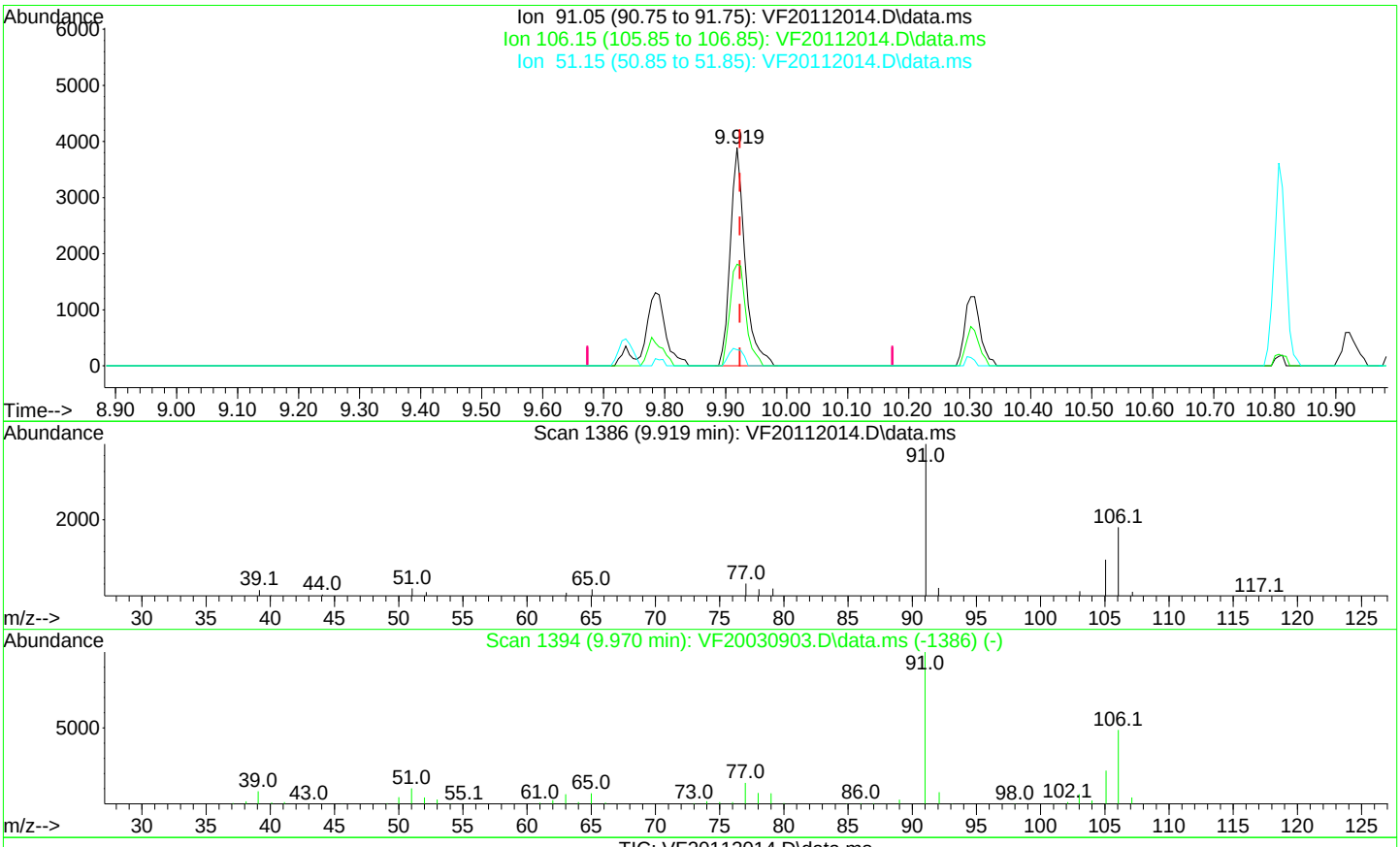
response 2699

Ion	Exp%	Act%
91.05	100.00	100.00
106.15	33.20	31.42
51.05	9.50	9.79
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K20044\
Data File : VF20112014.D
Acq On : 20 Nov 2020 7:23 pm
Operator : IMA
Sample : 0110771-DUP1
Misc : 50X 5g/5mL 1000uL/50mL (A0K0482-22)
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 23 14:07:33 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration



TIC: VF20112014.D\data.ms

(58) m,p-Xylenes (2)

9.919min (-0.004) 1.16 ug/L

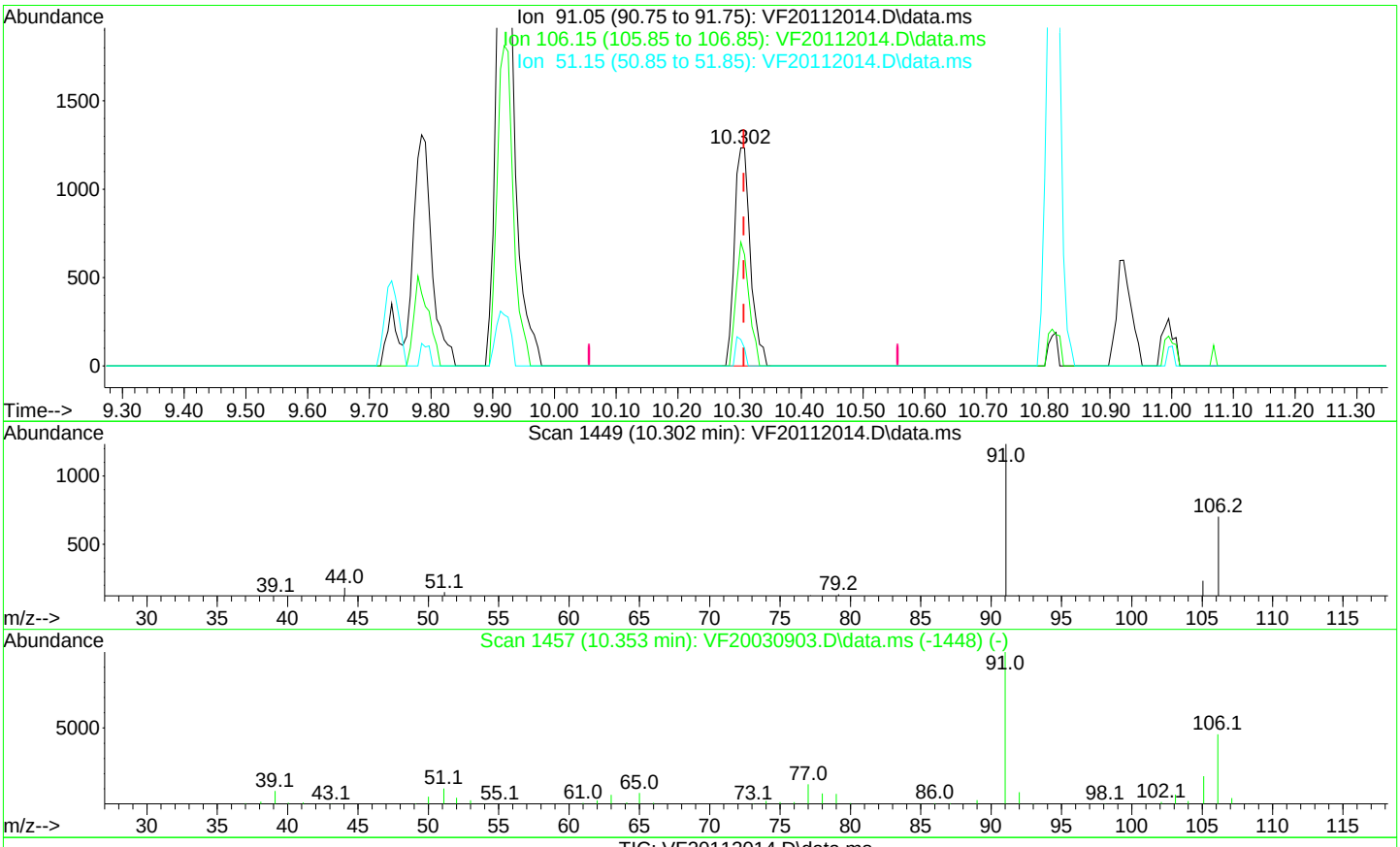
response 6565

Ion	Exp%	Act%
91.05	100.00	100.00
106.15	52.70	46.62
51.15	10.10	7.44
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K20044\
Data File : VF20112014.D
Acq On : 20 Nov 2020 7:23 pm
Operator : IMA
Sample : 0110771-DUP1
Misc : 50X 5g/5mL 1000uL/50mL (A0K0482-22)
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 23 14:07:33 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration



TIC: VF20112014.D\data.ms

(59) o-Xylene

10.302min (-0.004) 0.40 ug/L

response 2208

Ion	Exp%	Act%
91.05	100.00	100.00
106.15	49.40	56.89
51.15	10.00	12.16
0.00	0.00	0.00

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K20044\
Data File : VF20112014.D
Acq On : 20 Nov 2020 7:23 pm
Operator : IMA
Sample : 0110771-DUP1
Misc : 50X 5g/5mL 1000uL/50mL (A0K0482-22)
ALS Vial : 14 Sample Multiplier: 1

IMA
11/23/20

Quant Time: Nov 23 14:07:33 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.020	99	80990	50.00	ug/L		0.00
43) Chlorobenzene-d5 (I)	9.736	117	232819	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.694	152	105936	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.534	111	69670	49.61	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.580	114	267067	53.43	ug/L		0.00
45) Toluene-d8 (S)	8.082	98	332704	49.77	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.813	174	93826	50.90	ug/L		0.00
Target Compounds							Qvalue
5) Bromomethane	2.262	96	139	0.14	ug/L		73
13) Methylene Chloride	3.722	84	881	0.55	ug/L		87
46) Toluene	8.143	91	9658	1.15	ug/L		97
56) Ethylbenzene	9.785	91	2699	0.35	ug/L		97
58) m,p-Xylenes (2)	9.919	91	6565	1.16	ug/L		92
59) o-Xylene	10.302	91	2208	0.40	ug/L		90
66) n-Propylbenzene	10.922	91	990	0.13	ug/L		90
69) 1,3,5-Trimethylbenzene	11.074	105	1085	0.22	ug/L		90
73) tert-Butylbenzene	11.378	91	235	0.09	ug/L	#	82
74) 1,2,4-Trimethylbenzene	11.378	105	3290	0.66	ug/L		98
75) sec-Butylbenzene	11.378	105	3290	0.57	ug/L		65

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K20044\
Data File : VF20112014.D
Acq On : 20 Nov 2020 7:23 pm
Operator : IMA
Sample : 0110771-DUP1
Misc : 50X 5g/5mL 1000uL/50mL (A0K0482-22)
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 23 14:08:20 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Nov 19 14:37:04 2020
Response via : Initial Calibration

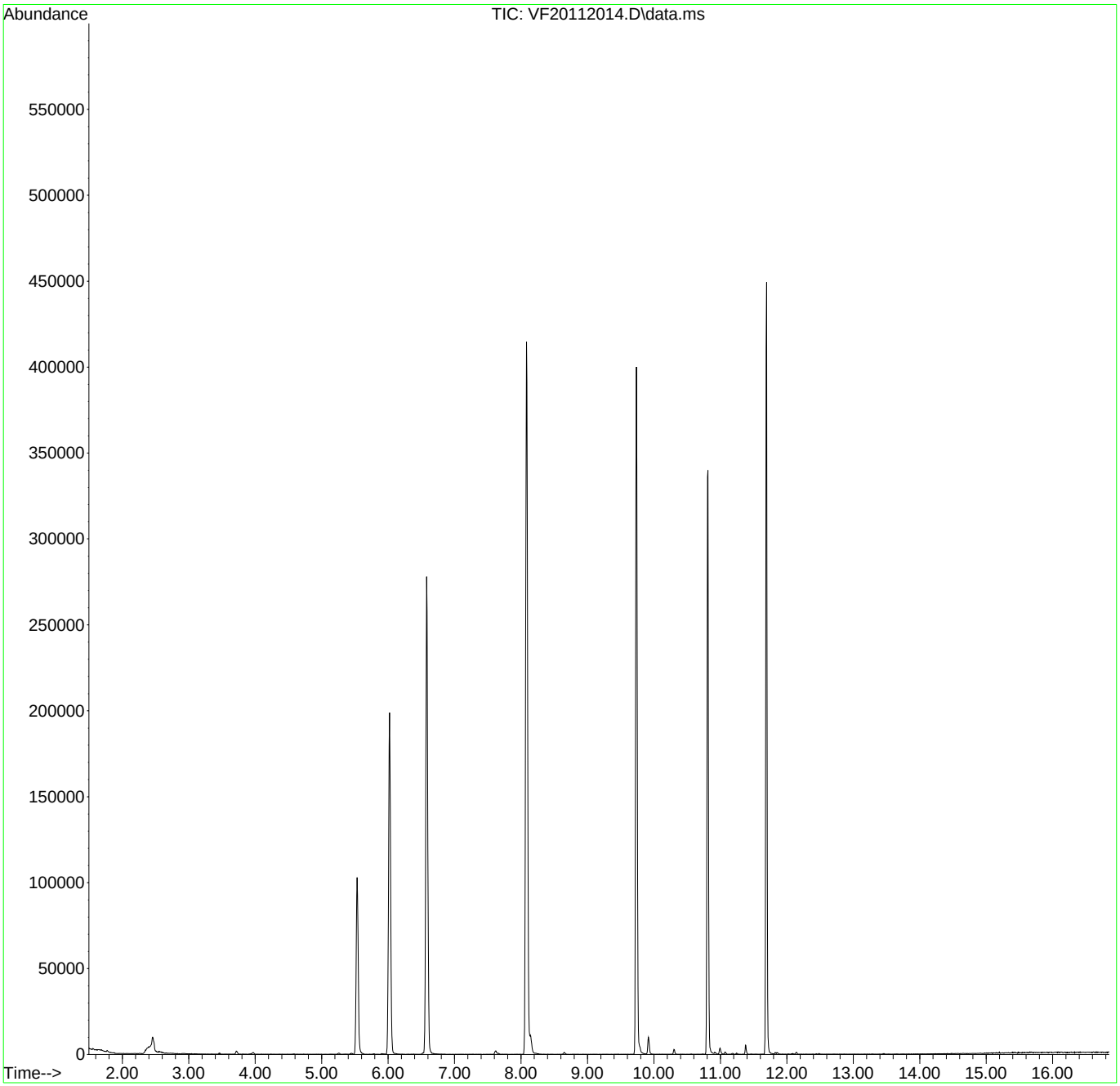
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.020	168	161962	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.580	TIC	559723	47.30	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.813	TIC	490624	49.66	ug/L	0.00
4) Chlorobenzene-d5 (NR)	9.736	TIC	638218	0.00	ug/L	0.00
10) Toluene-d8 (NR)	8.082	TIC	840264	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.694	TIC	584215	0.00	ug/L	0.00
Target Compounds						Qvalue
5) NWTPH-Gx	9.745	TIC	59587m	41.11	ug/L	
6) TPHg (C5-C9)	9.745	TIC	308563m	28.86	ug/L	
7) TPHg (C6-C10)	9.745	TIC	258757m	32.62	ug/L	
8) CA-LUFT (C5-C12)	9.745	TIC	322368m	34.69	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K20044\
Data File : VF20112014.D
Acq On : 20 Nov 2020 7:23 pm
Operator : IMA
Sample : 0110771-DUP1
Misc : 50X 5g/5mL 1000uL/50mL (A0K0482-22)
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 23 14:07:33 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K20044\
Data File : VF20112015.D
Acq On : 20 Nov 2020 7:50 pm
Operator : IMA
Sample : A0K0482-21
Misc : 50X 5g/5mL 1000uL/50mL BTEX+HALO6 (QC)
ALS Vial : 15 Sample Multiplier: 1

IMA
11/23/20

Quant Time: Nov 23 14:08:31 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (I)	6.021	99	83433	50.00	ug/L	# 0.00
43) Chlorobenzene-d5 (I)	9.736	117	239253	50.00	ug/L	0.00
63) 1,4-Dichlorobenzene-d4...	11.695	152	109216	50.00	ug/L	0.00
System Monitoring Compounds						
30) Dibromofluoromethane (S)	5.534	111	72300	49.98	ug/L	0.00
37) 1,4-Difluorobenzene (S)	6.580	114	274576	53.32	ug/L	0.00
45) Toluene-d8 (S)	8.082	98	341258	49.68	ug/L	0.00
64) 4-Bromofluorobenzene (S)	10.813	174	96334	50.70	ug/L	0.00
Target Compounds						Qvalue
5) Bromomethane	2.262	96	160	0.16	ug/L	# 60
13) Methylene Chloride	3.722	84	895	0.55	ug/L	84
14) Acetone	3.825	43	119	0.23	ug/L	# 42
58) m,p-Xylenes (2)	9.919	91	657	0.11	ug/L	68
74) 1,2,4-Trimethylbenzene	11.384	105	490	0.10	ug/L	83
75) sec-Butylbenzene	11.384	105	490	0.08	ug/L	57

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K20044\
Data File : VF20112015.D
Acq On : 20 Nov 2020 7:50 pm
Operator : IMA
Sample : A0K0482-21
Misc : 50X 5g/5mL 1000uL/50mL BTEX+HALO6 (QC)
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 23 14:08:40 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Nov 19 14:37:04 2020
Response via : Initial Calibration

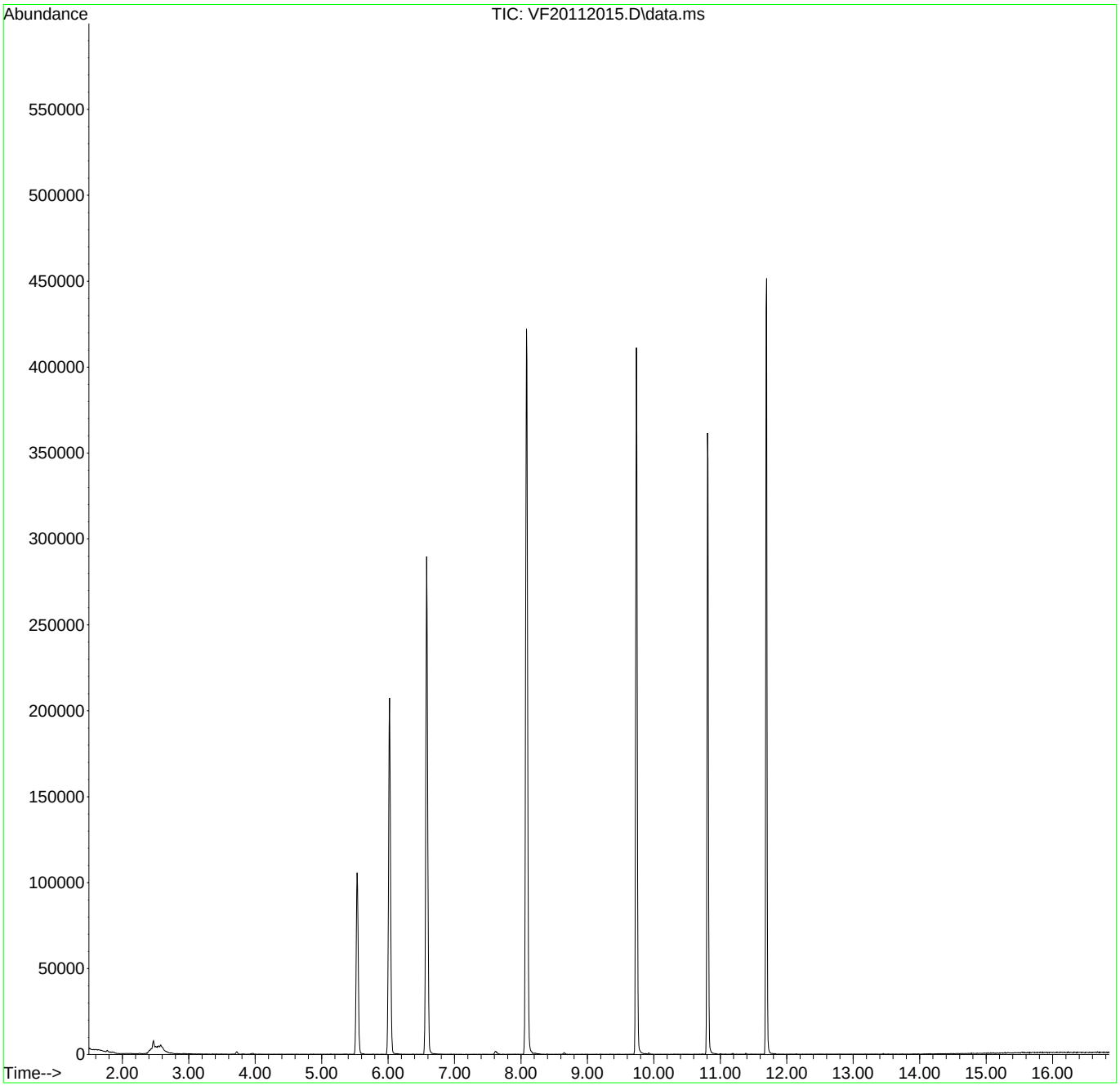
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.021	168	167529	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.580	TIC	579967	47.38	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.807	TIC	502898	49.21	ug/L	0.00
4) Chlorobenzene-d5 (NR)	9.736	TIC	649357	0.00	ug/L	0.00
10) Toluene-d8 (NR)	8.082	TIC	854980	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.695	TIC	595617	0.00	ug/L	0.00
Target Compounds						Qvalue
5) NWTPH-Gx	9.745	TIC	12114m	32.17	ug/L	
6) TPHg (C5-C9)	9.745	TIC	255847m	18.62	ug/L	
7) TPHg (C6-C10)	9.745	TIC	228086m	25.35	ug/L	
8) CA-LUFT (C5-C12)	9.745	TIC	258607m	24.92	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K20044\
Data File : VF20112015.D
Acq On : 20 Nov 2020 7:50 pm
Operator : IMA
Sample : A0K0482-21
Misc : 50X 5g/5mL 1000uL/50mL BTEX+HALO6 (QC)
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 23 14:08:31 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K20044\
Data File : VF20112016.D
Acq On : 20 Nov 2020 8:17 pm
Operator : IMA
Sample : 0110771-MS1
Misc : 50X 5g/5mL 1000uL/50mL (A0K0482-21)
ALS Vial : 16 Sample Multiplier: 1

IMA
11/23/20

Quant Time: Nov 23 14:08:50 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.019	99	80748	50.00	ug/L	#	0.00
43) Chlorobenzene-d5 (I)	9.735	117	239733	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.693	152	113269	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.526	111	74993	53.56	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.578	114	265604	53.30	ug/L		0.00
45) Toluene-d8 (S)	8.081	98	333915	48.51	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.811	174	98741	50.10	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.598	85	24162	19.32	ug/L		98
3) Chloromethane	1.805	50	29737	18.07	ug/L		98
4) Vinyl Chloride	1.890	62	22679	20.68	ug/L		95
5) Bromomethane	2.249	96	19226	19.28	ug/L		94
6) Chloroethane	2.376	64	7143	17.41	ug/L		80
7) Trichlorofluoromethane	2.510	101	23309	38.22	ug/L		99
8) Ethanol	3.161	45	20407	1064.95	ug/L		90
9) 1,1-Dichloroethene	3.082	61	41990	21.06	ug/L		92
10) Carbon Disulfide	3.100	76	58594	23.01	ug/L		99
11) Freon 113	3.130	101	29826	23.30	ug/L		86
12) Iodomethane	3.234	142	13345	18.79	ug/L		99
13) Methylene Chloride	3.714	84	33064	20.82	ug/L		88
14) Acetone	3.787	43	16035	32.18	ug/L		87
15) t-1,2-Dichloroethene	3.878	61	46170	21.41	ug/L		92
16) n-Hexane	3.957	86	7130	23.57	ug/L	#	92
17) Methyl-tert-butyl-ether	4.006	73	101510	20.82	ug/L		99
18) tert-Butanol (TBA)	4.158	59	287984	1418.55	ug/L	#	95
19) Diisopropyl ether (DIPE)	4.401	45	23808	5.03	ug/L		93
20) 1,1-Dichloroethane	4.505	63	61322	21.18	ug/L		96
21) Acrylonitrile	4.578	53	11522	16.29	ug/L		99
22) Ethyl-tert-butyl ether...	4.766	59	24318	5.15	ug/L		96
23) c-1,2-Dichloroethene	5.064	61	45770	21.86	ug/L		94
24) 2,2-Dichloropropane	5.162	77	37681	26.85	ug/L		92
25) Bromochloromethane	5.265	49	23244	20.71	ug/L		86
26) Chloroform	5.344	83	59804	21.10	ug/L		98
27) Carbon Tetrachloride	5.472	117	32991	22.16	ug/L		94

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K20044\
Data File : VF20112016.D
Acq On : 20 Nov 2020 8:17 pm
Operator : IMA
Sample : 0110771-MS1
Misc : 50X 5g/5mL 1000uL/50mL (A0K0482-21)
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 23 14:08:50 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
28) Tetrahydrofuran	5.514	42	10589	15.60	ug/L		89
29) 1,1,1-Trichloroethane	5.545	97	47809	22.23	ug/L		99
31) 1,1-Dichloropropene	5.672	75	47728	21.79	ug/L		98
32) 2-Butanone (MEK)	5.666	43	38058	41.97	ug/L		83
33) Benzene	5.922	78	159719	21.51	ug/L		98
34) tert-Amyl methyl ether...	6.055	73	23059	5.42	ug/L		99
35) 1,2-Dichloroethane (EDC)	6.141	62	45411	19.57	ug/L		96
36) iso-Butyl Alcohol	6.201	43	43628	493.95	ug/L		89
38) Trichloroethene (TCE)	6.542	130	39461	23.14	ug/L		96
39) tert-Amyl ethyl ether ...	6.797	59	15726	5.24	ug/L		96
40) Dibromomethane	6.998	93	21357	21.41	ug/L		91
41) 1,2-Dichloropropane	7.101	63	37618	21.27	ug/L		92
42) Bromodichloromethane	7.181	83	36737	22.53	ug/L		97
44) c-1,3-Dichloropropene	7.880	75	50068	19.91	ug/L		93
46) Toluene	8.141	91	167666	19.34	ug/L		99
47) Tetrachloroethene (PCE)	8.591	166	37053	21.69	ug/L		97
48) 4-Methyl-2-Pentanone (...	8.591	43	76208	39.56	ug/L		94
49) t-1,3-Dichloropropene	8.634	75	42977	18.98	ug/L		96
50) 1,1,2-Trichloroethane	8.810	97	35979	20.69	ug/L		95
51) Dibromochloromethane	8.999	129	26824	18.77	ug/L		97
52) 1,3-Dichloropropane	9.096	76	63650	20.11	ug/L		91
53) 1,2-Dibromoethane (EDB)	9.236	107	35154	20.82	ug/L		99
54) 2-Hexanone	9.473	43	49382	37.89	ug/L		91
55) Chlorobenzene	9.753	112	106791	20.57	ug/L		98
56) Ethylbenzene	9.777	91	167328	20.95	ug/L		99
57) 1,1,1,2-Tetrachloroethane	9.814	131	30190	19.80	ug/L		96
58) m,p-Xylenes (2)	9.911	91	247574	42.49	ug/L		98
59) o-Xylene	10.300	91	121916	21.42	ug/L		99
60) Styrene	10.349	104	93860	21.33	ug/L		96
61) Bromoform	10.373	173	18112	18.76	ug/L		99
62) Isopropylbenzene	10.568	105	144057	21.85	ug/L		98
65) Bromobenzene	10.896	156	40538	21.43	ug/L		98
66) n-Propylbenzene	10.914	91	162248	20.05	ug/L		97
67) 1,1,2,2-Tetrachloroethane	10.981	83	46750	20.28	ug/L		99
68) 2-Chlorotoluene	11.042	126	34614	21.28	ug/L		90
69) 1,3,5-Trimethylbenzene	11.073	105	111860	21.61	ug/L		99
70) 1,2,3-Trichloropropane	11.085	110	16292	20.43	ug/L		91
71) t-1,4-Dichloro-2-butene	11.115	88	4459	19.19	ug/L	#	91

Data Path : Y:\DATA\2020-11\0K20044\
Data File : VF20112016.D
Acq On : 20 Nov 2020 8:17 pm
Operator : IMA
Sample : 0110771-MS1
Misc : 50X 5g/5mL 1000uL/50mL (A0K0482-21)
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 23 14:08:50 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration

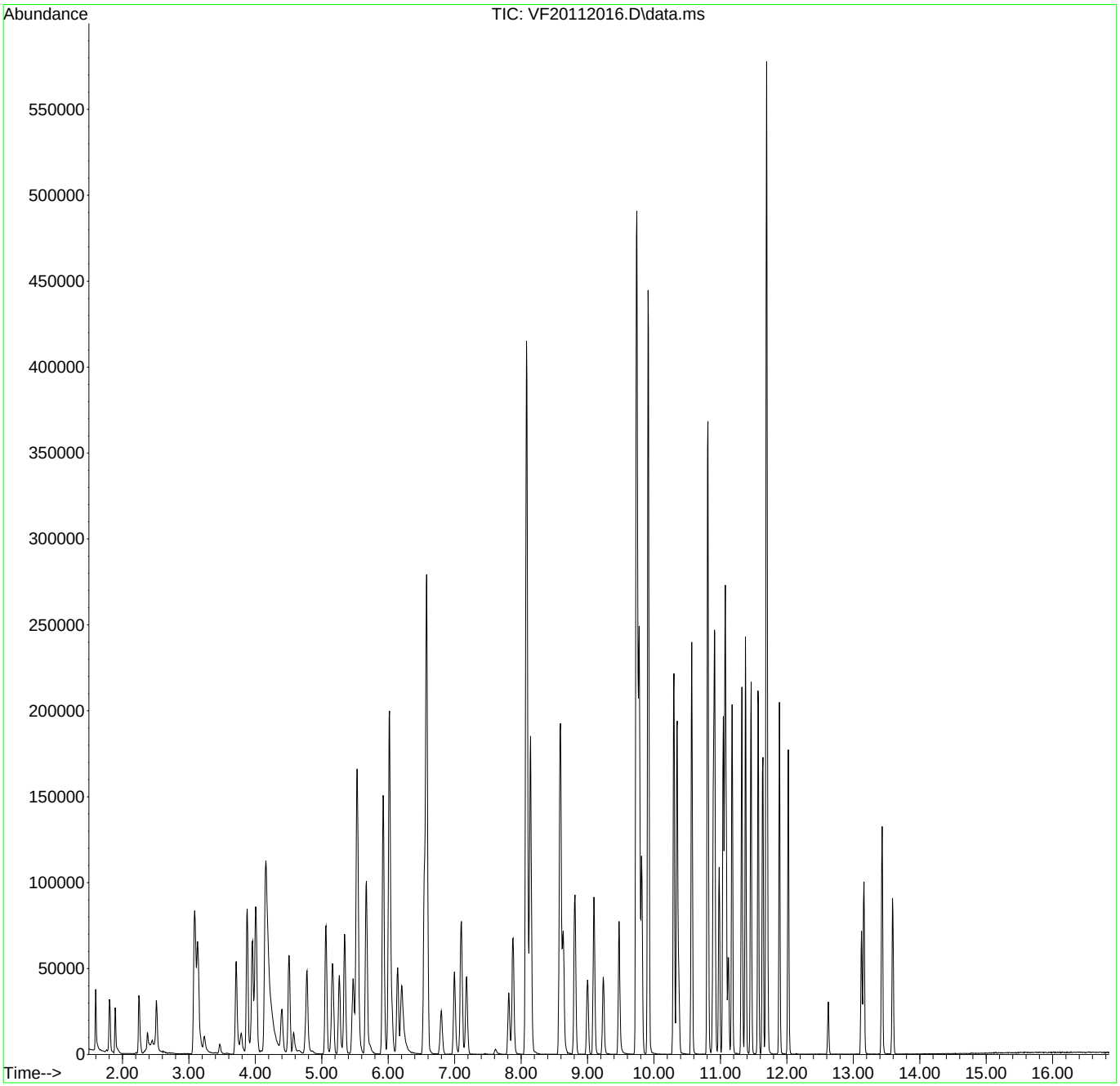
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 4-Chlorotoluene	11.176	91	102447	21.07	ug/L	99
73) tert-Butylbenzene	11.322	91	57778	19.89	ug/L	98
74) 1,2,4-Trimethylbenzene	11.377	105	114445	21.54	ug/L	99
75) sec-Butylbenzene	11.462	105	132759	21.55	ug/L	97
76) 4-Isopropyltoluene	11.565	119	108517	21.37	ug/L	98
77) 1,3-Dichlorobenzene	11.638	146	66025	21.93	ug/L	98
78) 1,4-Dichlorobenzene	11.705	146	67719	20.11	ug/L	99
79) n-Butylbenzene	11.887	91	88737	20.89	ug/L	98
80) 1,2-Dichlorobenzene	12.021	146	61886	21.60	ug/L	100
81) 1,2-Dibromo-3-Chloropr...	12.623	157	7276	18.30	ug/L	96
82) Hexachlorobutadiene	13.122	223	8561	21.80	ug/L	98
83) 1,2,4-Trichlorobenzene	13.158	180	30863	20.34	ug/L	98
84) Naphthalene	13.432	128	97706	18.93	ug/L	98
85) 1,2,3-Trichlorobenzene	13.590	180	29577	20.97	ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K20044\
Data File : VF20112016.D
Acq On : 20 Nov 2020 8:17 pm
Operator : IMA
Sample : 0110771-MS1
Misc : 50X 5g/5mL 1000uL/50mL (A0K0482-21)
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 23 14:08:50 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K20044\
Data File : VF20112017.D
Acq On : 20 Nov 2020 8:45 pm
Operator : IMA
Sample : 0110771-MSD1
Misc : 50X 5g/5mL 1000uL/50mL (A0K0482-21)
ALS Vial : 17 Sample Multiplier: 1

IMA
11/23/20

Quant Time: Nov 23 14:08:59 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.015	99	84007	50.00	ug/L		0.00
43) Chlorobenzene-d5 (I)	9.737	117	243733	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.695	152	115014	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.529	111	77812	53.42	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.581	114	274950	53.03	ug/L		0.00
45) Toluene-d8 (S)	8.083	98	345727	49.40	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.813	174	100543	50.24	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.600	85	23991	18.44	ug/L		99
3) Chloromethane	1.813	50	29480	17.22	ug/L		99
4) Vinyl Chloride	1.898	62	22133	19.40	ug/L		97
5) Bromomethane	2.257	96	18074	17.42	ug/L		95
6) Chloroethane	2.385	64	6685	15.66	ug/L		77
7) Trichlorofluoromethane	2.518	101	18387	27.96	ug/L		98
8) Ethanol	3.169	45	22659	1136.60	ug/L		91
9) 1,1-Dichloroethene	3.084	61	41605	20.06	ug/L		90
10) Carbon Disulfide	3.102	76	58507	22.08	ug/L		99
11) Freon 113	3.133	101	28823	21.64	ug/L		84
12) Iodomethane	3.236	142	15125	20.06	ug/L		96
13) Methylene Chloride	3.716	84	32272	19.53	ug/L		90
14) Acetone	3.789	43	16041	30.94	ug/L		92
15) t-1,2-Dichloroethene	3.881	61	44852	19.99	ug/L		92
16) n-Hexane	3.960	86	7110	22.59	ug/L	#	77
17) Methyl-tert-butyl-ether	4.014	73	101739	20.06	ug/L		98
18) tert-Butanol (TBA)	4.166	59	291622	1380.74	ug/L	#	93
19) Diisopropyl ether (DIPE)	4.398	45	23440	4.76	ug/L		94
20) 1,1-Dichloroethane	4.513	63	60629	20.13	ug/L		97
21) Acrylonitrile	4.580	53	12555	17.06	ug/L		100
22) Ethyl-tert-butyl ether...	4.769	59	24567	5.00	ug/L		94
23) c-1,2-Dichloroethene	5.060	61	45132	20.72	ug/L		95
24) 2,2-Dichloropropane	5.164	77	36857	25.25	ug/L		92
25) Bromochloromethane	5.267	49	22642	19.39	ug/L		82
26) Chloroform	5.346	83	58865	19.96	ug/L		97
27) Carbon Tetrachloride	5.474	117	33068	21.35	ug/L		95

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K20044\
Data File : VF20112017.D
Acq On : 20 Nov 2020 8:45 pm
Operator : IMA
Sample : 0110771-MSD1
Misc : 50X 5g/5mL 1000uL/50mL (A0K0482-21)
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 23 14:08:59 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
28) Tetrahydrofuran	5.516	42	11088	15.70	ug/L		90
29) 1,1,1-Trichloroethane	5.541	97	46978	20.99	ug/L		98
31) 1,1-Dichloropropene	5.675	75	46514	20.41	ug/L		98
32) 2-Butanone (MEK)	5.669	43	38107	40.40	ug/L		80
33) Benzene	5.930	78	157056	20.33	ug/L		98
34) tert-Amyl methyl ether...	6.058	73	22473	5.08	ug/L		99
35) 1,2-Dichloroethane (EDC)	6.143	62	45063	18.67	ug/L		99
36) iso-Butyl Alcohol	6.204	43	44123	480.18	ug/L		94
38) Trichloroethene (TCE)	6.544	130	39399	22.21	ug/L		96
39) tert-Amyl ethyl ether ...	6.800	59	15713	5.04	ug/L		99
40) Dibromomethane	6.994	93	21088	20.32	ug/L		93
41) 1,2-Dichloropropane	7.098	63	37307	20.28	ug/L		96
42) Bromodichloromethane	7.183	83	36219	21.35	ug/L		100
44) c-1,3-Dichloropropene	7.882	75	50262	19.67	ug/L		89
46) Toluene	8.144	91	163384	18.54	ug/L		98
47) Tetrachloroethene (PCE)	8.594	166	36213	20.85	ug/L		99
48) 4-Methyl-2-Pentanone (...	8.588	43	76211	38.91	ug/L		92
49) t-1,3-Dichloropropene	8.636	75	44052	19.13	ug/L		97
50) 1,1,2-Trichloroethane	8.806	97	35757	20.22	ug/L		95
51) Dibromochloromethane	9.001	129	27053	18.62	ug/L		100
52) 1,3-Dichloropropane	9.098	76	63362	19.69	ug/L		92
53) 1,2-Dibromoethane (EDB)	9.238	107	35698	20.80	ug/L		99
54) 2-Hexanone	9.475	43	49313	37.22	ug/L		90
55) Chlorobenzene	9.755	112	103190	19.55	ug/L		99
56) Ethylbenzene	9.780	91	162814	20.05	ug/L		99
57) 1,1,1,2-Tetrachloroethane	9.816	131	30294	19.55	ug/L		98
58) m,p-Xylenes (2)	9.913	91	240787	40.65	ug/L		98
59) o-Xylene	10.296	91	121270	20.96	ug/L		97
60) Styrene	10.345	104	93050	20.80	ug/L		98
61) Bromoform	10.375	173	17994	18.36	ug/L		98
62) Isopropylbenzene	10.570	105	140974	21.04	ug/L		97
65) Bromobenzene	10.892	156	38918	20.26	ug/L		92
66) n-Propylbenzene	10.911	91	158359	19.28	ug/L		97
67) 1,1,2,2-Tetrachloroethane	10.978	83	46610	19.91	ug/L		98
68) 2-Chlorotoluene	11.044	126	33950	20.55	ug/L		87
69) 1,3,5-Trimethylbenzene	11.069	105	110145	20.96	ug/L		96
70) 1,2,3-Trichloropropane	11.087	110	15939	19.68	ug/L		85
71) t-1,4-Dichloro-2-butene	11.117	88	4639	19.61	ug/L	#	87

Data Path : Y:\DATA\2020-11\0K20044\
Data File : VF20112017.D
Acq On : 20 Nov 2020 8:45 pm
Operator : IMA
Sample : 0110771-MSD1
Misc : 50X 5g/5mL 1000uL/50mL (A0K0482-21)
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 23 14:08:59 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration

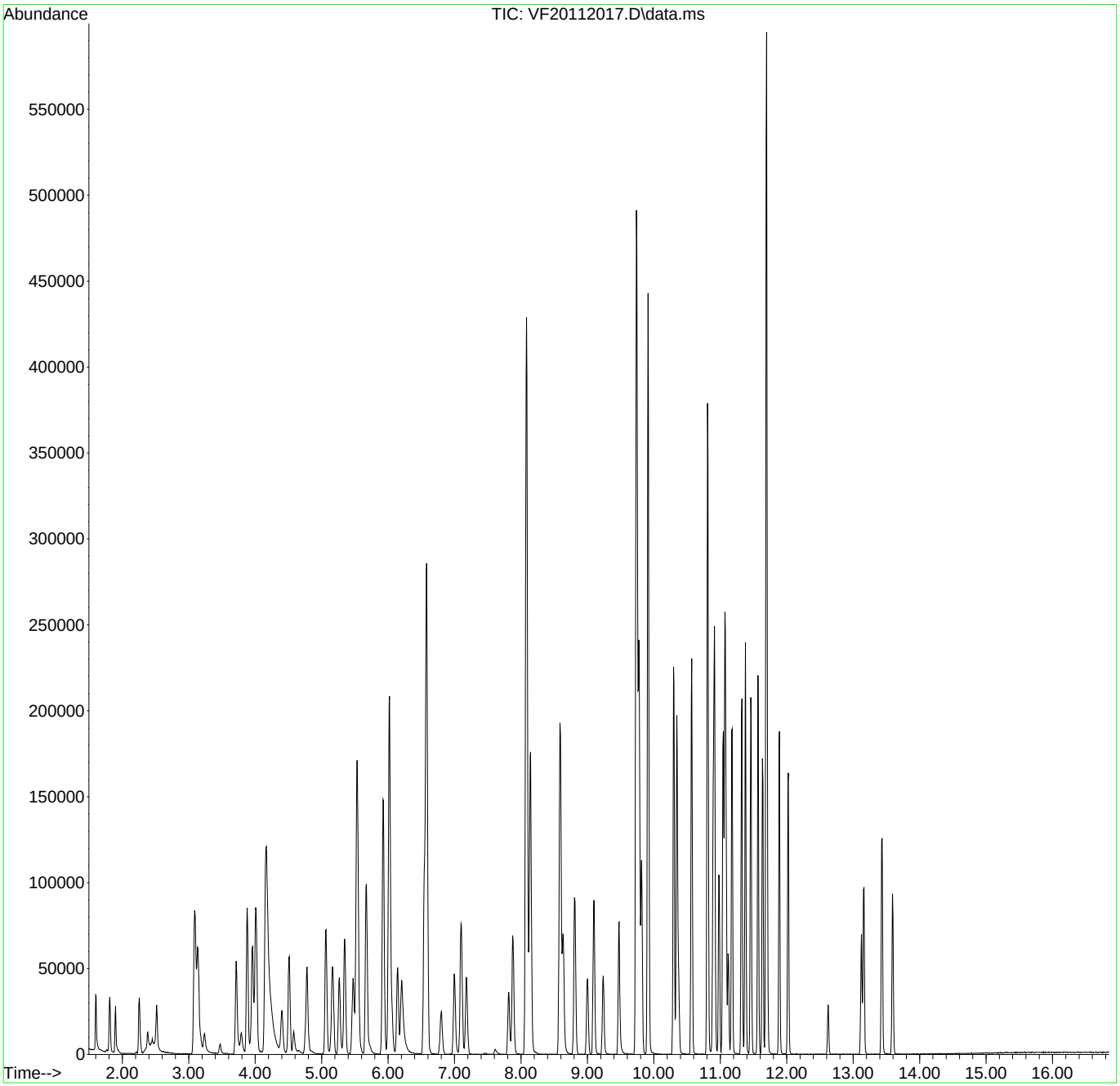
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 4-Chlorotoluene	11.178	91	100831	20.42	ug/L	98
73) tert-Butylbenzene	11.324	91	56670	19.21	ug/L	98
74) 1,2,4-Trimethylbenzene	11.379	105	111520	20.67	ug/L	99
75) sec-Butylbenzene	11.458	105	129857	20.76	ug/L	97
76) 4-Isopropyltoluene	11.567	119	107730	20.89	ug/L	96
77) 1,3-Dichlorobenzene	11.634	146	64935	21.24	ug/L	98
78) 1,4-Dichlorobenzene	11.701	146	65928	19.28	ug/L	97
79) n-Butylbenzene	11.890	91	88368	20.48	ug/L	99
80) 1,2-Dichlorobenzene	12.024	146	59672	20.51	ug/L	98
81) 1,2-Dibromo-3-Chloropr...	12.626	157	7493	18.55	ug/L	88
82) Hexachlorobutadiene	13.124	223	8602	21.57	ug/L	90
83) 1,2,4-Trichlorobenzene	13.161	180	30984	20.11	ug/L	100
84) Naphthalene	13.434	128	98094	18.72	ug/L	97
85) 1,2,3-Trichlorobenzene	13.592	180	29527	20.62	ug/L	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K20044\
Data File : VF20112017.D
Acq On : 20 Nov 2020 8:45 pm
Operator : IMA
Sample : 0110771-MSD1
Misc : 50X 5g/5mL 1000uL/50mL (A0K0482-21)
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 23 14:08:59 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration



Selected Volatile Organic Compounds by EPA 5035A/8260D
Calibration Data

Sequence 0K14006 (Cal ID A0K1605) VOA-GCMS11

ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence:	0K14006	Instrument:	VOA-GCMS11
Date:	**11/14/20 14:35**	Calibration:	**A0K1605**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0K14006-IBL1	Soil	QC	QC			A20H141	
2	0K14006-IBL2	Soil	QC	QC			A20H141	
3	0K14006-IBL3	Soil	QC	QC			A20H141	
4	0K14006-IBL4	Soil	QC	QC			A20H141	
5	0K14006-IBL5	Soil	QC	QC			A20H141	
6	0K14006-TUN1	Soil	QC	QC			A20H141	
7	0K14006-ICB1	Soil	QC	QC			A20H141	
8	0K14006-CAL1	Soil	QC	QC			A20H141	A20K242
9	0K14006-CAL2	Soil	QC	QC			A20H141	A20K243
10	0K14006-CAL3	Soil	QC	QC			A20H141	A20K244
11	0K14006-CAL4	Soil	QC	QC			A20H141	A20K245
12	0K14006-CAL5	Soil	QC	QC			A20H141	A20K246
13	0K14006-CAL6	Soil	QC	QC			A20H141	A20K247
14	0K14006-CAL7	Soil	QC	QC			A20H141	A20K248
15	0K14006-CAL8	Soil	QC	QC			A20H141	A20K249
16	0K14006-CAL9	Soil	QC	QC			A20H141	A20K162
17	0K14006-IBL7	Soil	QC	QC			A20H141	
18	0K14006-CALA	Soil	QC	QC			A20H141	A20K163
19	0K14006-CALB	Soil	QC	QC			A20H141	A20K164
20	0K14006-IBL8	Soil	QC	QC			A20H141	
21	0K14006-IBL9	Soil	QC	QC			A20H141	
22	0K14006-ICV1	Soil	QC	QC			A20H141	A20K165
23	0K14006-TUN2	Soil	QC	QC			A20H141	
24	0K14006-ICB2	Soil	QC	QC			A20H141	
25	0K14006-RES1	Soil	QC	QC			A20H141	A20I121
26	0K14006-IBLA	Soil	QC	QC			A20H141	
27	0K14006-CALC	Soil	QC	QC			A20H141	A20K166
28	0K14006-CALD	Soil	QC	QC			A20H141	A20K167
29	0K14006-CALE	Soil	QC	QC			A20H141	A20K168
30	0K14006-CALF	Soil	QC	QC			A20H141	A20K169
31	0K14006-CALG	Soil	QC	QC			A20H141	A20J323
32	0K14006-CALH	Soil	QC	QC			A20H141	A20J324
33	0K14006-CALI	Soil	QC	QC			A20H141	A20J325
34	0K14006-CALJ	Soil	QC	QC			A20H141	A20J326
35	0K14006-IBLB	Soil	QC	QC			A20H141	
36	0K14006-IBLC	Soil	QC	QC			A20H141	
37	0K14006-ICV2	Soil	QC	QC			A20H141	A20J406
38	0K14006-IBLD	Soil	QC	QC			A20H141	

TPHgC6-C10 & TPHgC5-C9 ARE NR
DUE TO INTEGRATION PARAMETERS-MM

Comments: ALL GOOD

Data Entered By/Date: 11/15/20 TNL

Data Reviewed By/Date: mm 11/17/20

Method Path : C:\GCMS\1\methods\
Method File : VK201115S.M
Title : EPA 8260C: Volatile Organic Compounds
Last Update : Sun Nov 15 15:53:18 2020
Response Via : Initial Calibration

11/15/20 TNL

#	ID	Conc	ISTD Conc	Path\File
1	1	0	50	C:\GCMS\1\data\2020-11\0K14006\VK20111408.D
2	2	0	50	C:\GCMS\1\data\2020-11\0K14006\VK20111409.D
3	3	0	50	C:\GCMS\1\data\2020-11\0K14006\VK20111410.D
4	4	1	50	C:\GCMS\1\data\2020-11\0K14006\VK20111411.D
5	5	2	50	C:\GCMS\1\data\2020-11\0K14006\VK20111412.D
6	6	5	50	C:\GCMS\1\data\2020-11\0K14006\VK20111413.D
7	7	10	50	C:\GCMS\1\data\2020-11\0K14006\VK20111414.D
8	8	20	50	C:\GCMS\1\data\2020-11\0K14006\VK20111415.D
9	9	50	50	C:\GCMS\1\data\2020-11\0K14006\VK20111416.D
10	10	100	50	C:\GCMS\1\data\2020-11\0K14006\VK20111418.D
11	1a	200	50	C:\GCMS\1\data\2020-11\0K14006\VK20111419.D

#	ID	Update Time	Quant Time	Acquisition Time
1	1	Nov 15 15:53 2020	Nov 15 15:20 2020	14 Nov 2020 06:53 pm
2	2	Nov 15 15:53 2020	Nov 15 15:24 2020	14 Nov 2020 07:20 pm
3	3	Nov 15 15:53 2020	Nov 15 15:30 2020	14 Nov 2020 07:47 pm
4	4	Nov 15 15:53 2020	Nov 15 15:31 2020	14 Nov 2020 08:15 pm
5	5	Nov 15 15:53 2020	Nov 15 15:37 2020	14 Nov 2020 08:42 pm
6	6	Nov 15 15:53 2020	Nov 15 15:35 2020	14 Nov 2020 09:10 pm
7	7	Nov 15 15:53 2020	Nov 15 15:38 2020	14 Nov 2020 09:37 pm
8	8	Nov 15 15:53 2020	Nov 15 15:40 2020	14 Nov 2020 10:04 pm
9	9	Nov 15 15:53 2020	Nov 15 15:42 2020	14 Nov 2020 10:32 pm
10	10	Nov 15 15:53 2020	Nov 15 15:46 2020	14 Nov 2020 11:26 pm
11	1a	Nov 15 15:53 2020	Nov 15 15:49 2020	14 Nov 2020 11:54 pm

VK201115S.M Sun Nov 15 16:55:16 2020

Response Factor Report VOA-GCMS11

Method Path : C:\GCMS\1\methods\
Method File : VK201115S.M
Title : EPA 8260C: Volatile Organic Compounds
Last Update : Sun Nov 15 15:53:18 2020
Response Via : Initial Calibration

Calibration Files
1 =VK20111408.D 2 =VK20111409.D 3 =VK20111410.D 4 =VK20111411.D 5 =VK20111412.D 6 =VK20111413.D 7 =VK20111414.D
8 =VK20111415.D 9 =VK20111416.D 10 =VK20111418.D 1a =VK20111419.D

		Compound	1	2	3	4	5	6	7	8	9	10	1a	Avg	%RSD
1)	I	Pentafluorobenzene...	----------ISTD----------												
2)		Dichlorodifluo...	0.708	0.763	0.738	0.642	0.692	0.676	0.663	0.669	0.746	0.746	0.754	0.709	6.00
3)	P	Chloromethane			1.004	0.881	0.775	0.712	0.702	0.703	0.725	0.736	0.745	0.776	13.16
4)	C	Vinyl Chloride		0.489	0.474	0.395	0.400	0.363	0.350	0.349	0.356	0.362	0.374	0.391	12.96
5)		Bromomethane						0.297	0.261	0.252	0.228	0.211	0.230	0.246	12.48
6)		Chloroethane					0.167	0.139	0.136	0.124	0.136	0.141	0.145	0.141	9.31
7)		Trichlorofluor...				0.267	0.243	0.237	0.228	0.226	0.252	0.248	0.252	0.244	5.60
8)		Ethanol					0.016	0.013	0.011	0.011	0.011	0.011		0.012	16.70
9)	C	1,1-Dichloroet...			0.611	0.622	0.585	0.564	0.571	0.703	0.535	0.530	0.596	0.591	8.86
10)		Carbon Disulfide		1.186	1.203	1.184	1.052	1.026	1.053	1.251	0.904	0.849	1.058	1.077	12.23
11)		Freon 113				0.509	0.531	0.491	0.484	0.535	0.484	0.386	0.505	0.491	9.48
12)		Iodomethane					0.149	0.119	0.145	0.178	0.254	0.329		0.196	41.08
13)		Methylene Chlo...						0.725	0.672	0.713	0.677	0.631	0.702	0.687	4.95
14)		Acetone					0.315	0.300	0.265	0.263	0.264	0.270	0.276	0.279	7.28
15)		t-1,2-Dichloro...	1.235	1.175	1.112	0.974	1.041	1.052	1.014	1.037	1.009	0.997	1.035	1.062	7.53
16)		n-Hexane				0.133	0.146	0.146	0.147	0.151	0.146	0.135	0.150	0.144	4.47
17)		Methyl-tert-bu...		3.355	2.872	2.741	2.600	2.462	2.441	2.458	2.376	2.402	2.490	2.620	11.56
18)		tert-Butanol (...		0.158	0.144	0.135	0.134	0.128	0.125	0.122	0.136	0.129		0.135	8.22

Method Path : C:\GCMS\1\methods\
Method File : VK201115S.M
Title : EPA 8260C: Volatile Organic Compounds

19)		Diisopropyl et...			2.363	2.167	2.148	2.137	2.118	2.036	1.957		2.132	5.89
20)	P	1,1-Dichloroet...	1.487	1.403	1.407	1.340	1.312	1.300	1.306	1.248	1.245	1.317	1.336	5.65
21)		Acrylonitrile			0.424	0.366	0.324	0.324	0.323	0.319	0.322	0.346	0.343	10.59
22)		Ethyl-tert-but...			2.741	2.463	2.482	2.369	2.208	2.240	2.166	2.092	2.345	9.06
23)		c-1,2-Dichloro...	1.108	1.085	1.099	1.099	1.062	0.994	0.992	1.027	0.976	0.977	1.026	1.040	5.00
24)		2,2-Dichloropr...			1.228	0.988	0.934	0.852	0.825	0.846	0.831	0.837	0.919	0.918	14.07
25)		Bromochloromet...	0.585	0.560	0.603	0.611	0.582	0.560	0.561	0.567	0.532	0.525	0.538	0.566	4.93
26)	C	Chloroform	1.737	1.684	1.570	1.513	1.422	1.399	1.368	1.419	1.368	1.381	1.445	1.482	8.70
27)		Carbon Tetrach...		0.934	1.010	0.918	0.864	0.848	0.853	0.906	0.952	1.002	1.141	0.943	9.51
28)		Tetrahydrofuran						0.310	0.293	0.285	0.279	0.279	0.293	0.290	4.05
29)		1,1,1-Trichlor...		1.435	1.292	1.268	1.270	1.222	1.188	1.269	1.241	1.258	1.353	1.280	5.44
30)	S	Dibromofluorom...	0.906	0.894	0.895	0.894	0.896	0.891	0.900	0.912	0.908	0.914	0.891	0.900	0.92
31)		1,1-Dichloropr...		1.228	1.138	1.068	1.140	1.067	1.042	1.061	1.025	1.002	1.061	1.083	6.20
32)		2-Butanone (MEK)			0.368	0.414	0.396	0.399	0.405	0.409	0.411	0.427	0.403	4.26
33)		Benzene		3.829	3.543	3.469	3.328	3.241	3.127	3.175	3.033	2.968	3.061	3.278	8.20
34)		tert-Amyl meth...			3.077	2.379	2.430	2.276	2.237	2.197	2.109		2.386	13.53
35)		1,2-Dichloroet...	1.071	1.121	1.045	1.103	1.123	1.085	1.044	1.076	1.050	1.050	1.110	1.080	2.83
36)		iso-Butyl Alcohol			0.058	0.050	0.045	0.043	0.045	0.049	0.049	0.051	0.049	9.10
37)	S	1,4-Difluorobe...	3.257	3.227	3.217	3.216	3.198	3.205	3.168	3.171	3.151	3.149	3.132	3.190	1.21
38)		Trichloroethen...	1.032	1.000	0.963	0.944	0.998	0.961	0.944	0.961	0.925	0.903	0.946	0.961	3.80
39)		tert-Amyl ethy...			2.207	1.866	1.657	1.624	1.608	1.597	1.561	1.504		1.703	13.48
40)		Dibromomethane		0.668	0.592	0.537	0.547	0.523	0.516	0.529	0.521	0.521	0.540	0.549	8.58
41)	C	1,2-Dichloropr...	0.593	0.915	0.855	0.878	0.815	0.787	0.767	0.782	0.738	0.734	0.768	0.785	10.93

Method Path : C:\GCMS\1\methods\
Method File : VK201115S.M
Title : EPA 8260C: Volatile Organic Compounds

42)		Bromodichlorom...		1.087	0.855	0.794	0.842	0.814	0.843	0.900	0.936	0.995	1.097	0.916	12.01
43)		Chlorobenzene-d5 (I)	----------ISTD----------												
44)		c-1,3-Dichloro...		0.406	0.388	0.391	0.368	0.378	0.390	0.421	0.429	0.448	0.504	0.412	9.81
45)	S	Toluene-d8 (S)	1.220	1.219	1.218	1.224	1.205	1.224	1.223	1.228	1.242	1.270	1.320	1.236	2.62
46)	C	Toluene		1.664	1.388	1.329	1.242	1.237	1.216	1.224	1.175	1.169	1.262	1.291	11.39
47)		Tetrachloroeth...	0.355	0.346	0.295	0.295	0.293	0.298	0.288	0.301	0.290	0.283	0.305	0.304	7.74
48)		4-Methyl-2-Pen...	0.364	0.359	0.314	0.303	0.291	0.283	0.282	0.285	0.285	0.286	0.297	0.305	9.76
49)		t-1,3-Dichloro...		0.342	0.365	0.326	0.322	0.333	0.347	0.373	0.387	0.398	0.437	0.363	10.12
50)		1,1,2-Trichlor...	0.375	0.356	0.320	0.286	0.275	0.274	0.274	0.285	0.272	0.272	0.293	0.298	12.17
51)		Dibromochlorom...		0.187	0.215	0.196	0.197	0.203	0.209	0.240	0.261			0.214	11.71
52)		1,3-Dichloropr...		0.508	0.545	0.481	0.481	0.484	0.473	0.481	0.474	0.469	0.503	0.490	4.70
53)		1,2-Dibromoeth...	0.299	0.304	0.302	0.282	0.273	0.284	0.284	0.302	0.301	0.306	0.328	0.297	5.11
54)		2-Hexanone		0.214	0.210	0.198	0.204	0.199	0.205	0.216	0.219	0.236	0.211		5.60
55)	P	Chlorobenzene	0.910	0.842	0.886	0.862	0.822	0.809	0.790	0.796	0.765	0.757	0.799	0.822	5.91
56)	C	Ethylbenzene	1.680	1.485	1.359	1.345	1.350	1.299	1.296	1.307	1.253	1.228	1.308	1.356	9.33
57)		1,1,1,2-Tetrac...	0.266	0.223	0.222	0.228	0.213	0.220	0.229	0.248	0.260	0.269	0.294	0.243	10.76
58)		m,p-Xylenes (2)	1.201	1.173	1.069	0.968	0.966	0.966	0.954	0.960	0.916	0.894	0.932	1.000	10.25
59)		o-Xylene	1.432	1.056	1.119	1.069	1.019	0.955	0.969	0.992	0.959	0.944	1.004	1.047	13.24
60)		Styrene		0.783	0.783	0.728	0.758	0.751	0.738	0.764	0.734	0.711	0.728	0.748	3.23
61)	P	Bromoform		0.109	0.098	0.101	0.099	0.108	0.128	0.145	0.157	0.182	0.125		23.94
62)		Isopropylbenzene	1.642	1.304	1.303	1.239	1.226	1.202	1.195	1.217	1.164	1.136	1.205	1.258	10.90
63)	I	1,4-Dichlorobenzen...	----------ISTD----------												
64)	S	4-Bromofluorob...	0.787	0.787	0.777	0.776	0.768	0.777	0.789	0.792	0.781	0.796	0.811	0.786	1.50
65)		Bromobenzene	0.773	0.763	0.722	0.745	0.718	0.713	0.698	0.698	0.662	0.659	0.689	0.713	5.24

Method Path : C:\GCMS\1\methods\
Method File : VK201115S.M
Title : EPA 8260C: Volatile Organic Compounds

66)	n-Propylbenzene	4.211	3.682	3.283	3.094	3.008	3.066	3.096	3.086	2.958	2.914	3.090	3.226	11.99
67) P	1,1,2,2-Tetrac...		0.826	0.791	0.737	0.741	0.694	0.688	0.697	0.688	0.700	0.756	0.732	6.53
68)	2-Chlorotoluene	0.745	0.619	0.629	0.617	0.636	0.656	0.652	0.656	0.620	0.615	0.641	0.644	5.73
69)	1,3,5-Trimethy...	3.016	2.387	2.222	2.111	2.145	2.115	2.125	2.128	2.022	2.001	2.101	2.216	12.84
70)	1,2,3-Trichlor...		0.294	0.313	0.282	0.270	0.273	0.269	0.272	0.265	0.260	0.272	0.277	5.71
71)	t-1,4-Dichloro...					0.066	0.075	0.082	0.087	0.101	0.110	0.131	0.093	23.97
72)	4-Chlorotoluene	2.534	2.235	2.109	1.954	1.905	1.869	1.887	1.906	1.819	1.800	1.903	1.993	11.03
73)	tert-Butylbenzene	1.835	1.436	1.305	1.293	1.249	1.253	1.257	1.243	1.192	1.182	1.244	1.317	14.01
74)	1,2,4-Trimethy...	3.098	2.609	2.378	2.229	2.167	2.155	2.161	2.185	2.072	2.030	2.135	2.293	13.56
75)	sec-Butylbenzene	3.548	2.664	2.718	2.526	2.496	2.536	2.539	2.563	2.462	2.361	2.494	2.628	12.16
76)	4-Isopropyltol...	2.841	2.207	2.121	2.070	2.164	2.152	2.150	2.156	2.070	2.020	2.135	2.189	10.16
77)	1,3-Dichlorobe...	1.397	1.234	1.184	1.210	1.230	1.192	1.180	1.194	1.137	1.111	1.169	1.204	6.14
78)	1,4-Dichlorobe...	1.558	1.271	1.303	1.236	1.153	1.191	1.150	1.176	1.119	1.103	1.168	1.221	10.45
79)	n-Butylbenzene	2.409	1.795	1.980	1.880	1.761	1.760	1.759	1.768	1.712	1.630	1.741	1.836	11.44
80)	1,2-Dichlorobe...		1.208	1.120	1.126	1.168	1.108	1.088	1.126	1.081	1.077	1.147	1.125	3.65
81)	1,2-Dibromo-3-...				0.146	0.147	0.145	0.148	0.160	0.185			0.155	10.03
82)	Hexachlorobuta...			0.126	0.121	0.128	0.129	0.129	0.129	0.129	0.122	0.143	0.129	4.79
83)	1,2,4-Trichlor...		0.825	0.725	0.660	0.670	0.636	0.647	0.665	0.662	0.666	0.739	0.689	8.35
84)	Naphthalene		2.770	2.324	2.343	2.461	2.343	2.390	2.450	2.527	2.587	2.809	2.500	6.97
85)	1,2,3-Trichlor...		0.789	0.606	0.603	0.633	0.624	0.628	0.648	0.644	0.654	0.719	0.655	8.73

(#) = Out of Range

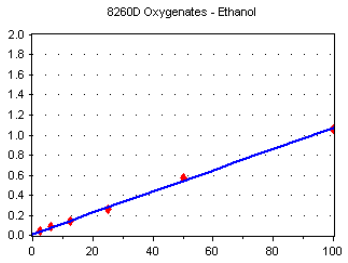
Element Calibration Review Sheet

Calibration ID: **A0K1605** Instrument: **VOA-GCMS11** Calibration Date: **11/16/2020**

Analysis: **8260D Oxygenates** Instrument Cal ID: **VK201115S/M/VK201115G.M**

Ethanol

Curve Fit: **QUADRATIC: Weighting: (1/a), Origin: Ignore**

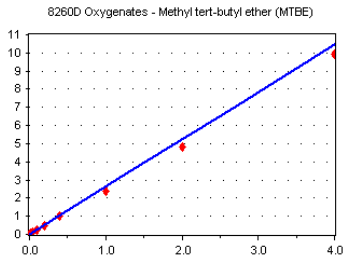


Standard	Concentration	Response	Response Factor	RT
~~0K14006-CAL1~~	~~6.25~~	~~0~~	~~0.000~~	~~0.00~~
~~0K14006-CAL2~~	~~12.5~~	~~0~~	~~0.000~~	~~0.00~~
~~0K14006-CAL3~~	~~25~~	~~0~~	~~0.000~~	~~0.00~~
~~0K14006-CAL4~~	~~62.5~~	~~0~~	~~0.000~~	~~0.00~~
0K14006-CAL5	125	11115	0.016	3.48
0K14006-CAL6	312	24199	1.324	3.48
0K14006-CAL7	625	40769	1.107	3.47
0K14006-CAL8	1250	74806	1.057	3.46
0K14006-CAL9	2500	157074	1.143	3.47
0K14006-CALA	5000	281158	1.058	3.46

AVE RF **1.210** RF RSD **16.70** AVE RT **3.47**

Methyl tert-butyl ether (MTBE)

Curve Fit: **AVERAGE RF**

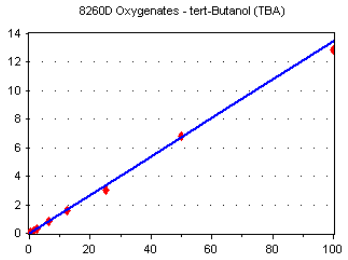


Standard	Concentration	Response	Response Factor	RT
~~0K14006-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
0K14006-CAL2	0.2	4064	3.355	4.14
0K14006-CAL3	0.4	6669	2.872	4.14
0K14006-CAL4	1	15808	2.741	4.13
0K14006-CAL5	2	29448	2.600	4.14
0K14006-CAL6	5	72124	2.462	4.14
0K14006-CAL7	10	143761	2.441	4.14
0K14006-CAL8	20	278201	2.458	4.14
0K14006-CAL9	50	652931	2.376	4.14
0K14006-CALA	100	1277325	2.402	4.13
0K14006-CALB	200	2482377	2.490	4.14

AVE RF **2.620** RF RSD **11.56** AVE RT **4.14**

tert-Butanol (TBA)

Curve Fit: **AVERAGE RF**

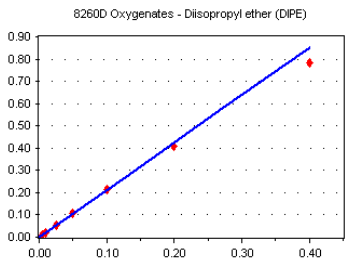


Standard	Concentration	Response	Response Factor	RT
~~0K14006-CAL1~~	~~6.25~~	~~0~~	~~0.000~~	~~0.00~~
0K14006-CAL2	12.5	11998	0.158	4.35
0K14006-CAL3	25	20849	0.144	4.39
0K14006-CAL4	62.5	48652	0.135	4.37
0K14006-CAL5	125	95098	0.134	4.37
0K14006-CAL6	312	233074	0.128	4.39
0K14006-CAL7	625	461315	0.125	4.39
0K14006-CAL8	1250	863890	0.122	4.38
0K14006-CAL9	2500	1871938	0.136	4.39
0K14006-CALA	5000	3425580	0.129	4.38

AVE RF **0.135** RF RSD **8.22** AVE RT **4.38**

Diisopropyl ether (DIPE)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
~~0K14006-CAL1~~	~~0.025~~	~~0~~	~~0.000~~	~~0.00~~
~~0K14006-CAL2~~	~~0.05~~	~~0~~	~~0.000~~	~~0.00~~
~~0K14006-CAL3~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
0K14006-CAL4	0.25	3407	2.363	4.54
0K14006-CAL5	0.5	6136	2.167	4.53
0K14006-CAL6	1.25	15731	2.148	4.54
0K14006-CAL7	2.5	31469	2.137	4.54
0K14006-CAL8	5	59919	2.118	4.54
0K14006-CAL9	10	111895	2.036	4.54
0K14006-CALA	20	208138	1.957	4.53

AVE RF **2.132** RF RSD **5.89** AVE RT **4.54**

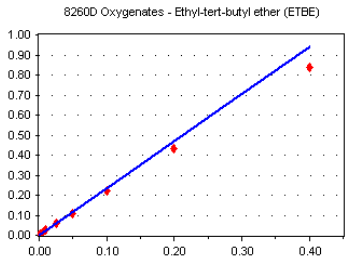
Element Calibration Review Sheet

Calibration ID: **A0K1605** Instrument: **VOA-GCMS11** Calibration Date: **11/16/2020**

Analysis: **8260D Oxygenates** Instrument Cal ID: **VK201115S/M/VK201115G.M**

Ethyl-tert-butyl ether (ETBE)

Curve Fit: **AVERAGE RF**

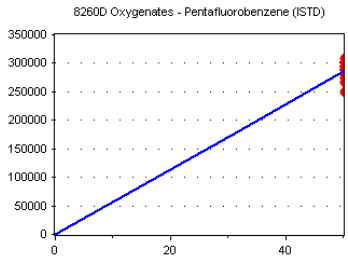


Standard	Concentration	Response	Response Factor	RT
~~0K14006-CAL1~~	~~0.025~~	~~0~~	~~0.000~~	~~0.00~~
~~0K14006-CAL2~~	~~0.05~~	~~0~~	~~0.000~~	~~0.00~~
0K14006-CAL3	0.1	1591	2.741	4.90
0K14006-CAL4	0.25	3551	2.463	4.91
0K14006-CAL5	0.5	7029	2.482	4.91
0K14006-CAL6	1.25	17349	2.369	4.91
0K14006-CAL7	2.5	32511	2.208	4.91
0K14006-CAL8	5	63377	2.240	4.91
0K14006-CAL9	10	119072	2.166	4.90
0K14006-CALA	20	222484	2.092	4.90

AVE RF **2.345** RF RSD **9.06** AVE RT **4.91**

Pentafluorobenzene (ISTD)

Curve Fit: **AVERAGE RF**

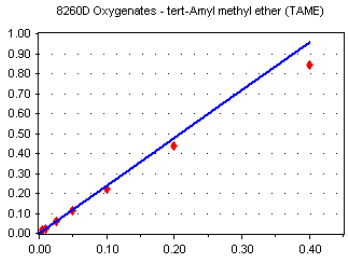


Standard	Concentration	Response	Response Factor	RT
0K14006-CAL1	50	308626	6172.520	6.13
0K14006-CAL2	50	302866	6057.320	6.13
0K14006-CAL3	50	290214	5804.280	6.12
0K14006-CAL4	50	288374	5767.480	6.13
0K14006-CAL5	50	283201	5664.020	6.13
0K14006-CAL6	50	292918	5858.360	6.13
0K14006-CAL7	50	294527	5890.540	6.13
0K14006-CAL8	50	282969	5659.380	6.13
0K14006-CAL9	50	274811	5496.220	6.13
0K14006-CALA	50	265838	5316.760	6.12
0K14006-CALB	50	249268	4985.360	6.13

AVE RF **5697.476** RF RSD **5.90** AVE RT **6.13**

tert-Amyl methyl ether (TAME)

Curve Fit: **AVERAGE RF**

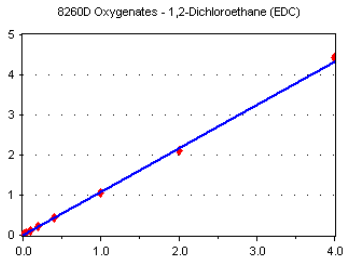


Standard	Concentration	Response	Response Factor	RT
~~0K14006-CAL1~~	~~0.025~~	~~0~~	~~0.000~~	~~0.00~~
~~0K14006-CAL2~~	~~0.05~~	~~0~~	~~0.000~~	~~0.00~~
~~0K14006-CAL3~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
0K14006-CAL4	0.25	4436	3.077	6.19
0K14006-CAL5	0.5	6736	2.379	6.18
0K14006-CAL6	1.25	17793	2.430	6.19
0K14006-CAL7	2.5	33517	2.276	6.19
0K14006-CAL8	5	63290	2.237	6.19
0K14006-CAL9	10	120751	2.197	6.19
0K14006-CALA	20	224294	2.109	6.19

AVE RF **2.386** RF RSD **13.53** AVE RT **6.19**

1,2-Dichloroethane (EDC)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0K14006-CAL1	0.1	661	1.071	6.25
0K14006-CAL2	0.2	1358	1.121	6.25
0K14006-CAL3	0.4	2426	1.045	6.24
0K14006-CAL4	1	6361	1.103	6.25
0K14006-CAL5	2	12721	1.123	6.25
0K14006-CAL6	5	31790	1.085	6.25
0K14006-CAL7	10	61505	1.044	6.25
0K14006-CAL8	20	121836	1.076	6.25
0K14006-CAL9	50	288664	1.050	6.25
0K14006-CALA	100	558359	1.050	6.24
0K14006-CALB	200	1106887	1.110	6.25

AVE RF **1.080** RF RSD **2.83** AVE RT **6.25**

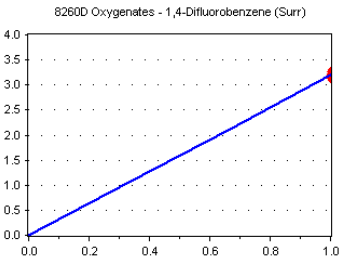
Element Calibration Review Sheet

Calibration ID: **A0K1605** Instrument: **VOA-GCMS11** Calibration Date: **11/16/2020**

Analysis: **8260D Oxygenates** Instrument Cal ID: **VK201115S/M/VK201115G.M**

1,4-Difluorobenzene (Surr)

Curve Fit: **AVERAGE RF**

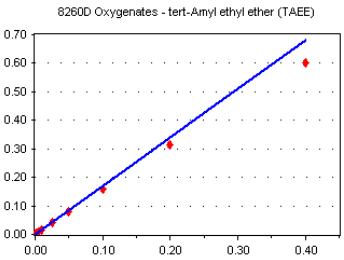


Standard	Concentration	Response	Response Factor	RT
0K14006-CAL1	50	1005099	3.257	6.69
0K14006-CAL2	50	977264	3.227	6.69
0K14006-CAL3	50	933542	3.217	6.69
0K14006-CAL4	50	927482	3.216	6.69
0K14006-CAL5	50	905760	3.198	6.69
0K14006-CAL6	50	938902	3.205	6.69
0K14006-CAL7	50	932977	3.168	6.69
0K14006-CAL8	50	897360	3.171	6.69
0K14006-CAL9	50	866044	3.151	6.69
0K14006-CALA	50	837245	3.149	6.69
0K14006-CALB	50	780748	3.132	6.69

AVE RF **3.190** RF RSD **1.21** AVE RT **6.69**

tert-Amyl ethyl ether (TAEE)

Curve Fit: **AVERAGE RF**

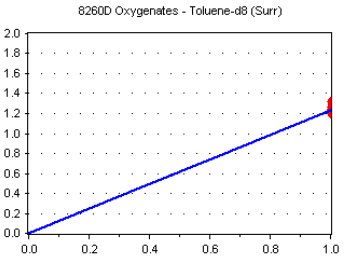


Standard	Concentration	Response	Response Factor	RT
~~0K14006-CAL1~~	~~0.025~~	~~0~~	~~0.000~~	~~0.00~~
~~0K14006-CAL2~~	~~0.05~~	~~0~~	~~0.000~~	~~0.00~~
0K14006-CAL3	0.1	1281	2.207	6.95
0K14006-CAL4	0.25	2691	1.866	6.95
0K14006-CAL5	0.5	4692	1.657	6.94
0K14006-CAL6	1.25	11894	1.624	6.94
0K14006-CAL7	2.5	23677	1.608	6.95
0K14006-CAL8	5	45192	1.597	6.95
0K14006-CAL9	10	85813	1.561	6.94
0K14006-CALA	20	159885	1.504	6.94

AVE RF **1.703** RF RSD **13.48** AVE RT **6.95**

Toluene-d8 (Surr)

Curve Fit: **AVERAGE RF**

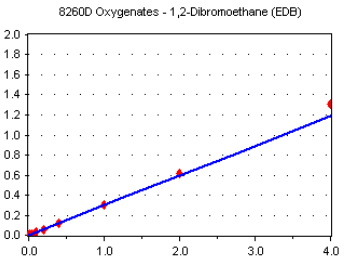


Standard	Concentration	Response	Response Factor	RT
0K14006-CAL1	50	1059122	1.220	8.21
0K14006-CAL2	50	1038536	1.219	8.21
0K14006-CAL3	50	993540	1.218	8.22
0K14006-CAL4	50	990547	1.224	8.21
0K14006-CAL5	50	962250	1.205	8.21
0K14006-CAL6	50	994361	1.224	8.22
0K14006-CAL7	50	990303	1.223	8.21
0K14006-CAL8	50	955104	1.228	8.21
0K14006-CAL9	50	925217	1.242	8.21
0K14006-CALA	50	886755	1.270	8.21
0K14006-CALB	50	821594	1.320	8.21

AVE RF **1.236** RF RSD **2.62** AVE RT **8.21**

1,2-Dibromoethane (EDB)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0K14006-CAL1	0.1	519	0.299	9.34
0K14006-CAL2	0.2	1034	0.304	9.33
0K14006-CAL3	0.4	1969	0.302	9.34
0K14006-CAL4	1	4570	0.282	9.34
0K14006-CAL5	2	8710	0.273	9.34
0K14006-CAL6	5	23085	0.284	9.34
0K14006-CAL7	10	45967	0.284	9.34
0K14006-CAL8	20	94067	0.302	9.34
0K14006-CAL9	50	224320	0.301	9.34
0K14006-CALA	100	427414	0.306	9.34
0K14006-CALB	200	816596	0.328	9.34

AVE RF **0.297** RF RSD **5.11** AVE RT **9.34**

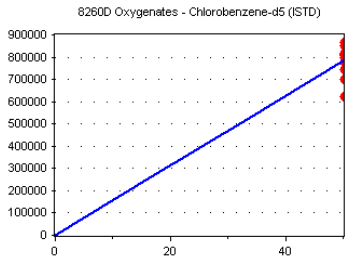
Element Calibration Review Sheet

Calibration ID: **A0K1605** Instrument: **VOA-GCMS11** Calibration Date: **11/16/2020**

Analysis: **8260D Oxygenates** Instrument Cal ID: **VK201115S/M/VK201115G.M**

Chlorobenzene-d5 (ISTD)

Curve Fit: **AVERAGE RF**

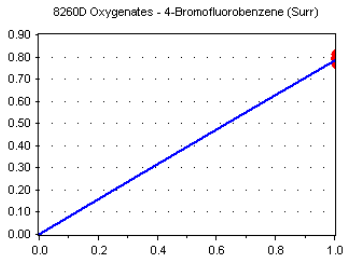


Standard	Concentration	Response	Response Factor	RT
0K14006-CAL1	50	868308	17366.160	9.84
0K14006-CAL2	50	851686	17033.720	9.84
0K14006-CAL3	50	815396	16307.920	9.84
0K14006-CAL4	50	809308	16186.160	9.84
0K14006-CAL5	50	798480	15969.600	9.84
0K14006-CAL6	50	812395	16247.900	9.84
0K14006-CAL7	50	810017	16200.340	9.84
0K14006-CAL8	50	777589	15551.780	9.84
0K14006-CAL9	50	744700	14894.000	9.84
0K14006-CALA	50	698440	13968.800	9.84
0K14006-CALB	50	622617	12452.340	9.84

AVE RF **15652.610** RF RSD **9.03** AVE RT **9.84**

4-Bromofluorobenzene (Surr)

Curve Fit: **AVERAGE RF**

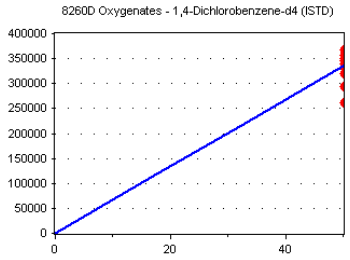


Standard	Concentration	Response	Response Factor	RT
0K14006-CAL1	50	289653	0.787	10.91
0K14006-CAL2	50	289451	0.787	10.91
0K14006-CAL3	50	277413	0.777	10.91
0K14006-CAL4	50	272690	0.776	10.91
0K14006-CAL5	50	266297	0.768	10.91
0K14006-CAL6	50	269390	0.777	10.91
0K14006-CAL7	50	267524	0.789	10.91
0K14006-CAL8	50	263076	0.792	10.91
0K14006-CAL9	50	249715	0.781	10.91
0K14006-CALA	50	234574	0.796	10.91
0K14006-CALB	50	212955	0.811	10.91

AVE RF **0.786** RF RSD **1.50** AVE RT **10.91**

1,4-Dichlorobenzene-d4 (ISTD)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0K14006-CAL1	50	367830	7356.600	11.79
0K14006-CAL2	50	367894	7357.880	11.79
0K14006-CAL3	50	356886	7137.720	11.80
0K14006-CAL4	50	351289	7025.780	11.79
0K14006-CAL5	50	346780	6935.600	11.79
0K14006-CAL6	50	346827	6936.540	11.79
0K14006-CAL7	50	339152	6783.040	11.80
0K14006-CAL8	50	332262	6645.240	11.79
0K14006-CAL9	50	319899	6397.980	11.79
0K14006-CALA	50	294796	5895.920	11.79
0K14006-CALB	50	262477	5249.540	11.79

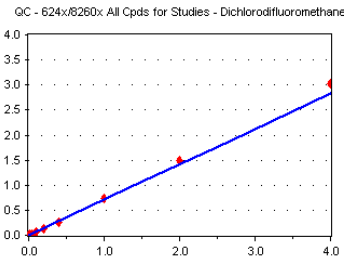
AVE RF **6701.985** RF RSD **9.58** AVE RT **11.79**

Element Calibration Review Sheet

Calibration ID: **A0K1605** Instrument: **VOA-GCMS11** Calibration Date: **11/16/2020**

Analysis: **QC - 624x/8260x All Cpds fo** Instrument Cal ID: **VK201115S/M/VK201115G.M**

Dichlorodifluoromethane

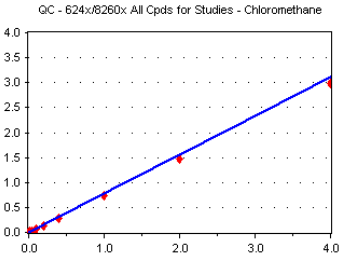


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0K14006-CAL1	0.1	437	0.708	1.70
0K14006-CAL2	0.2	924	0.763	1.70
0K14006-CAL3	0.4	1713	0.738	1.70
0K14006-CAL4	1	3704	0.642	1.70
0K14006-CAL5	2	7842	0.692	1.70
0K14006-CAL6	5	19807	0.676	1.71
0K14006-CAL7	10	39034	0.663	1.70
0K14006-CAL8	20	75691	0.669	1.71
0K14006-CAL9	50	204964	0.746	1.70
0K14006-CALA	100	396675	0.746	1.70
0K14006-CALB	200	751876	0.754	1.71

AVE RF **0.709** RF RSD **6.00** AVE RT **1.70**

Chloromethane

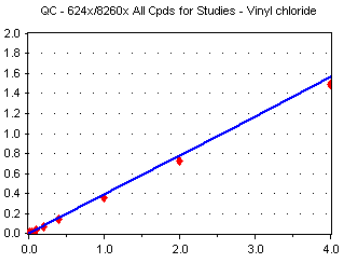


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
~~0K14006-CAL1~~	~~0.1~~	~~1605~~	~~2.600~~	~~1.91~~
~~0K14006-CAL2~~	~~0.2~~	~~1809~~	~~1.493~~	~~1.91~~
0K14006-CAL3	0.4	2332	1.004	1.91
0K14006-CAL4	1	5080	0.881	1.91
0K14006-CAL5	2	8774	0.775	1.91
0K14006-CAL6	5	20845	0.712	1.92
0K14006-CAL7	10	41340	0.702	1.91
0K14006-CAL8	20	79553	0.703	1.92
0K14006-CAL9	50	199157	0.725	1.92
0K14006-CALA	100	391210	0.736	1.90
0K14006-CALB	200	742700	0.745	1.92

AVE RF **0.776** RF RSD **13.16** AVE RT **1.91**

Vinyl chloride

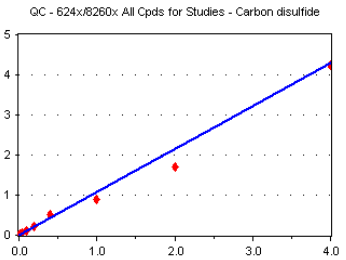


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
~~0K14006-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
0K14006-CAL2	0.2	592	0.489	2.00
0K14006-CAL3	0.4	1101	0.474	2.00
0K14006-CAL4	1	2278	0.395	2.00
0K14006-CAL5	2	4531	0.400	2.00
0K14006-CAL6	5	10633	0.363	2.00
0K14006-CAL7	10	20631	0.350	2.00
0K14006-CAL8	20	39538	0.349	2.00
0K14006-CAL9	50	97747	0.356	2.00
0K14006-CALA	100	192551	0.362	1.99
0K14006-CALB	200	372668	0.374	2.00

AVE RF **0.391** RF RSD **12.96** AVE RT **2.00**

Carbon disulfide



Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
~~0K14006-CAL1~~	~~0.1~~	~~450~~	~~0.729~~	~~0.00~~
0K14006-CAL2	0.2	1437	1.186	0.00
0K14006-CAL3	0.4	2794	1.203	0.00
0K14006-CAL4	1	6828	1.184	0.00
0K14006-CAL5	2	11914	1.052	3.20
0K14006-CAL6	5	30062	1.026	3.21
0K14006-CAL7	10	62002	1.053	3.21
0K14006-CAL8	20	141649	1.251	3.21
0K14006-CAL9	50	248321	0.904	3.20
0K14006-CALA	100	451327	0.849	3.20
0K14006-CALB	200	1055225	1.058	3.20

AVE RF **1.077** RF RSD **12.23** AVE RT **2.24**

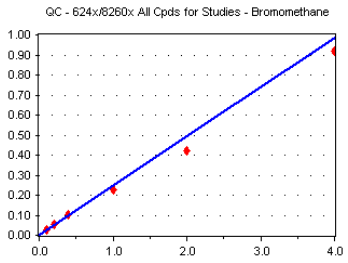
Element Calibration Review Sheet

Calibration ID: **A0K1605** Instrument: **VOA-GCMS11** Calibration Date: **11/16/2020**

Analysis: **QC - 624x/8260x All Cpds fo** Instrument Cal ID: **VK201115S/M/VK201115G.M**

Bromomethane

Curve Fit: **AVERAGE RF**

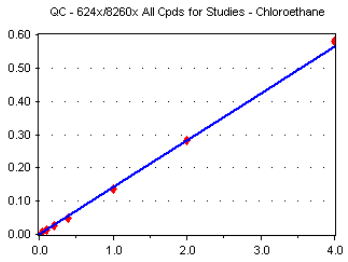


Standard	Concentration	Response	Response Factor	RT
~~0K14006-CAL1~~	~~0.1~~	~~2210~~	~~3.580~~	~~2.36~~
~~0K14006-CAL2~~	~~0.2~~	~~1929~~	~~1.592~~	~~2.36~~
~~0K14006-CAL3~~	~~0.4~~	~~2409~~	~~1.038~~	~~2.36~~
~~0K14006-CAL4~~	~~1~~	~~3675~~	~~0.637~~	~~2.36~~
~~0K14006-CAL5~~	~~2~~	~~5303~~	~~0.468~~	~~2.36~~
0K14006-CAL6	5	8703	0.297	2.36
0K14006-CAL7	10	15397	0.261	2.36
0K14006-CAL8	20	28489	0.252	2.36
0K14006-CAL9	50	62585	0.228	2.36
0K14006-CALA	100	111944	0.211	2.36
0K14006-CALB	200	229377	0.230	2.37

AVE RF **0.246** RF RSD **12.48** AVE RT **2.36**

Chloroethane

Curve Fit: **AVERAGE RF**

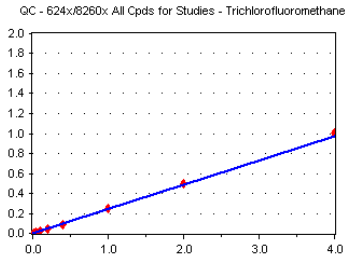


Standard	Concentration	Response	Response Factor	RT
~~0K14006-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K14006-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
~~0K14006-CAL3~~	~~0.4~~	~~0~~	~~0.000~~	0.00
~~0K14006-CAL4~~	~~1~~	~~1036~~	~~0.180~~	~~2.51~~
0K14006-CAL5	2	1890	0.167	2.51
0K14006-CAL6	5	4059	0.139	2.51
0K14006-CAL7	10	8002	0.136	2.51
0K14006-CAL8	20	14020	0.124	2.51
0K14006-CAL9	50	37390	0.136	2.51
0K14006-CALA	100	75208	0.141	2.50
0K14006-CALB	200	144854	0.145	2.51

AVE RF **0.141** RF RSD **9.31** AVE RT **2.51**

Trichlorofluoromethane

Curve Fit: **AVERAGE RF**

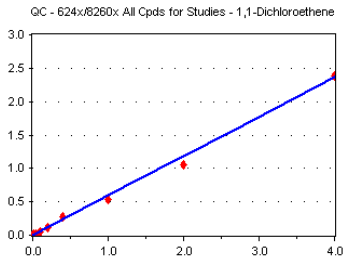


Standard	Concentration	Response	Response Factor	RT
~~0K14006-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K14006-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
~~0K14006-CAL3~~	~~0.4~~	~~0~~	~~0.000~~	~~0.00~~
0K14006-CAL4	1	1540	0.267	2.65
0K14006-CAL5	2	2752	0.243	2.65
0K14006-CAL6	5	6952	0.237	2.66
0K14006-CAL7	10	13429	0.228	2.66
0K14006-CAL8	20	25563	0.226	2.66
0K14006-CAL9	50	69309	0.252	2.66
0K14006-CALA	100	131940	0.248	2.65
0K14006-CALB	200	251217	0.252	2.66

AVE RF **0.244** RF RSD **5.60** AVE RT **2.65**

1,1-Dichloroethene

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
~~0K14006-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K14006-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
0K14006-CAL3	0.4	1418	0.611	3.19
0K14006-CAL4	1	3589	0.622	3.19
0K14006-CAL5	2	6632	0.585	3.18
0K14006-CAL6	5	16531	0.564	3.19
0K14006-CAL7	10	33639	0.571	3.18
0K14006-CAL8	20	79549	0.703	3.19
0K14006-CAL9	50	146942	0.535	3.19
0K14006-CALA	100	281889	0.530	3.18
0K14006-CALB	200	594120	0.596	3.19

AVE RF **0.591** RF RSD **8.86** AVE RT **3.19**

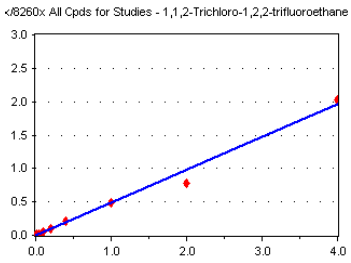
Element Calibration Review Sheet

Calibration ID: **A0K1605** Instrument: **VOA-GCMS11** Calibration Date: **11/16/2020**

Analysis: **QC - 624x/8260x All Cpds fo** Instrument Cal ID: **VK201115S/M/VK201115G.M**

1,1,2-Trichloro-1,2,2-trifluoroetha

Curve Fit: **AVERAGE RF**

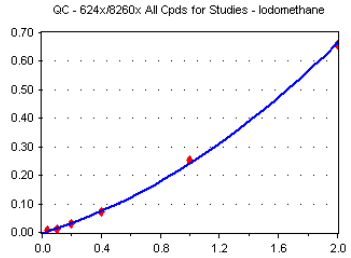


Standard	Concentration	Response	Response Factor	RT
~~0K14006-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K14006-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
~~0K14006-CAL3~~	~~0.4~~	~~0~~	~~0.000~~	~~0.00~~
0K14006-CAL4	1	2936	0.509	3.24
0K14006-CAL5	2	6012	0.531	3.24
0K14006-CAL6	5	14395	0.491	3.25
0K14006-CAL7	10	28538	0.484	3.24
0K14006-CAL8	20	60571	0.535	3.25
0K14006-CAL9	50	132920	0.484	3.25
0K14006-CALA	100	205311	0.386	3.24
0K14006-CALB	200	503648	0.505	3.24

AVE RF **0.491** RF RSD **9.48** AVE RT **3.24**

Iodomethane

Curve Fit: **QUADRATIC: Weighting: (1/a), Origin: Ignore**

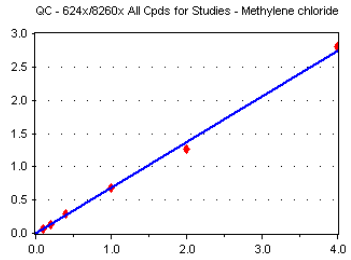


Standard	Concentration	Response	Response Factor	RT
~~0K14006-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K14006-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
~~0K14006-CAL3~~	~~0.4~~	~~0~~	~~0.000~~	0.00
~~0K14006-CAL4~~	~~1~~	~~0~~	~~0.000~~	~~0.00~~
0K14006-CAL5	2	1685	0.149	3.33
0K14006-CAL6	5	3478	0.119	3.34
0K14006-CAL7	10	8544	0.145	3.34
0K14006-CAL8	20	20165	0.178	3.34
0K14006-CAL9	50	69878	0.254	3.34
0K14006-CALA	100	175168	0.329	3.33
~~0K14006-CALB~~	~~200~~	~~403379~~	~~0.405~~	~~3.34~~

AVE RF **0.196** RF RSD **41.08** AVE RT **3.33**

Methylene chloride

Curve Fit: **AVERAGE RF**

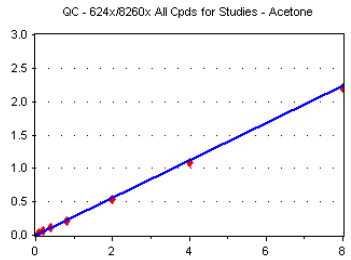


Standard	Concentration	Response	Response Factor	RT
~~0K14006-CAL1~~	~~0.1~~	~~3480~~	~~5.638~~	~~3.81~~
~~0K14006-CAL2~~	~~0.2~~	~~3811~~	~~3.146~~	~~3.81~~
~~0K14006-CAL3~~	~~0.4~~	~~4512~~	~~1.943~~	~~3.81~~
~~0K14006-CAL4~~	~~1~~	~~6588~~	~~1.142~~	~~3.81~~
~~0K14006-CAL5~~	~~2~~	~~10942~~	~~0.966~~	~~3.81~~
0K14006-CAL6	5	21245	0.725	3.82
0K14006-CAL7	10	39586	0.672	3.81
0K14006-CAL8	20	80714	0.713	3.82
0K14006-CAL9	50	185959	0.677	3.82
0K14006-CALA	100	335678	0.631	3.81
0K14006-CALB	200	699548	0.702	3.82

AVE RF **0.687** RF RSD **4.95** AVE RT **3.82**

Acetone

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
~~0K14006-CAL1~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
~~0K14006-CAL2~~	~~0.4~~	~~0~~	~~0.000~~	~~0.00~~
~~0K14006-CAL3~~	~~0.8~~	~~0~~	~~0.000~~	~~0.00~~
~~0K14006-CAL4~~	~~2~~	~~4724~~	~~0.410~~	~~3.90~~
0K14006-CAL5	4	7131	0.315	3.90
0K14006-CAL6	10	17575	0.300	3.91
0K14006-CAL7	20	31175	0.265	3.90
0K14006-CAL8	40	59648	0.263	3.90
0K14006-CAL9	100	145101	0.264	3.91
0K14006-CALA	200	287313	0.270	3.90
0K14006-CALB	400	550909	0.276	3.91

AVE RF **0.279** RF RSD **7.28** AVE RT **3.90**

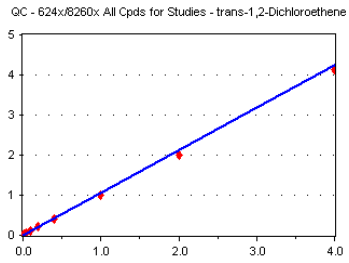
Element Calibration Review Sheet

Calibration ID: **A0K1605** Instrument: **VOA-GCMS11** Calibration Date: **11/16/2020**

Analysis: **QC - 624x/8260x All Cpds fo** Instrument Cal ID: **VK201115S/M/VK201115G.M**

trans-1,2-Dichloroethene

Curve Fit: **AVERAGE RF**

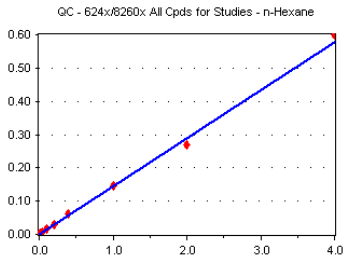


Standard	Concentration	Response	Response Factor	RT
0K14006-CAL1	0.1	762	1.235	3.99
0K14006-CAL2	0.2	1423	1.175	3.99
0K14006-CAL3	0.4	2581	1.112	3.98
0K14006-CAL4	1	5617	0.974	3.99
0K14006-CAL5	2	11789	1.041	3.98
0K14006-CAL6	5	30828	1.052	3.99
0K14006-CAL7	10	59704	1.014	3.99
0K14006-CAL8	20	117371	1.037	3.99
0K14006-CAL9	50	277338	1.009	3.99
0K14006-CALA	100	530022	0.997	3.98
0K14006-CALB	200	1032381	1.035	3.99

AVE RF **1.062** RF RSD **7.53** AVE RT **3.99**

n-Hexane

Curve Fit: **AVERAGE RF**

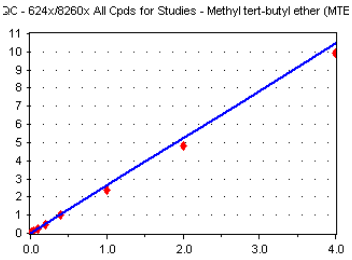


Standard	Concentration	Response	Response Factor	RT
~~0K14006-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K14006-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
~~0K14006-CAL3~~	~~0.4~~	~~396~~	~~0.171~~	~~4.08~~
0K14006-CAL4	1	768	0.133	4.09
0K14006-CAL5	2	1656	0.146	4.08
0K14006-CAL6	5	4282	0.146	4.10
0K14006-CAL7	10	8634	0.147	4.08
0K14006-CAL8	20	17035	0.151	4.09
0K14006-CAL9	50	40107	0.146	4.09
0K14006-CALA	100	71885	0.135	4.08
0K14006-CALB	200	149403	0.150	4.09

AVE RF **0.144** RF RSD **4.47** AVE RT **4.09**

Methyl tert-butyl ether (MTBE)

Curve Fit: **AVERAGE RF**

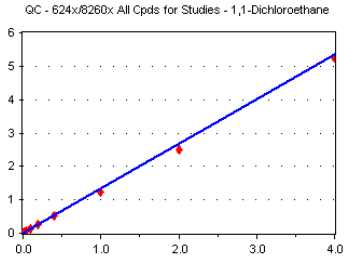


Standard	Concentration	Response	Response Factor	RT
~~0K14006-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
0K14006-CAL2	0.2	4064	3.355	4.14
0K14006-CAL3	0.4	6669	2.872	4.14
0K14006-CAL4	1	15808	2.741	4.13
0K14006-CAL5	2	29448	2.600	4.14
0K14006-CAL6	5	72124	2.462	4.14
0K14006-CAL7	10	143761	2.441	4.14
0K14006-CAL8	20	278201	2.458	4.14
0K14006-CAL9	50	652931	2.376	4.14
0K14006-CALA	100	1277325	2.402	4.13
0K14006-CALB	200	2482377	2.490	4.14

AVE RF **2.620** RF RSD **11.56** AVE RT **4.14**

1,1-Dichloroethane

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
~~0K14006-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
0K14006-CAL2	0.2	1801	1.487	4.61
0K14006-CAL3	0.4	3257	1.403	4.61
0K14006-CAL4	1	8113	1.407	4.62
0K14006-CAL5	2	15179	1.340	4.62
0K14006-CAL6	5	38444	1.312	4.62
0K14006-CAL7	10	76572	1.300	4.62
0K14006-CAL8	20	147788	1.306	4.62
0K14006-CAL9	50	342833	1.248	4.62
0K14006-CALA	100	661955	1.245	4.61
0K14006-CALB	200	1313488	1.317	4.62

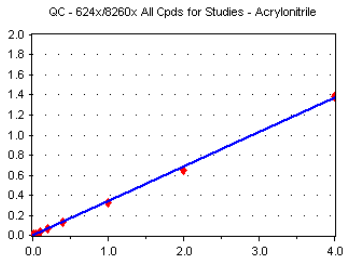
AVE RF **1.336** RF RSD **5.65** AVE RT **4.62**

Element Calibration Review Sheet

Calibration ID: **A0K1605** Instrument: **VOA-GCMS11** Calibration Date: **11/16/2020**

Analysis: **QC - 624x/8260x All Cpds fo** Instrument Cal ID: **VK201115S/M/VK201115G.M**

Acrylonitrile

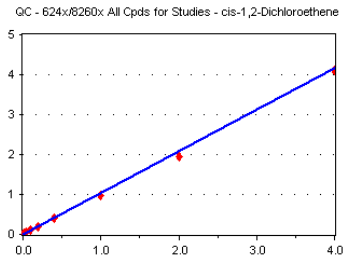


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
~~0K14006-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K14006-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
~~0K14006-CAL3~~	~~0.4~~	~~0~~	~~0.000~~	~~0.00~~
0K14006-CAL4	1	2445	0.424	4.67
0K14006-CAL5	2	4146	0.366	4.67
0K14006-CAL6	5	9490	0.324	4.67
0K14006-CAL7	10	19059	0.324	4.66
0K14006-CAL8	20	36516	0.323	4.66
0K14006-CAL9	50	87773	0.319	4.66
0K14006-CALA	100	171036	0.322	4.66
0K14006-CALB	200	344955	0.346	4.67

AVE RF **0.343** RF RSD **10.59** AVE RT **4.67**

cis-1,2-Dichloroethene

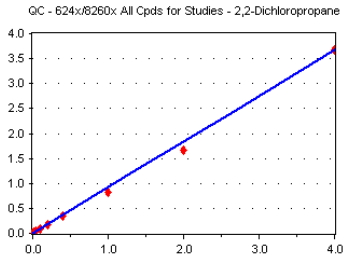


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0K14006-CAL1	0.1	684	1.108	5.17
0K14006-CAL2	0.2	1315	1.085	5.17
0K14006-CAL3	0.4	2551	1.099	5.17
0K14006-CAL4	1	6341	1.099	5.17
0K14006-CAL5	2	12027	1.062	5.17
0K14006-CAL6	5	29124	0.994	5.17
0K14006-CAL7	10	58459	0.992	5.17
0K14006-CAL8	20	116194	1.027	5.17
0K14006-CAL9	50	268110	0.976	5.17
0K14006-CALA	100	519310	0.977	5.16
0K14006-CALB	200	1023120	1.026	5.17

AVE RF **1.040** RF RSD **5.00** AVE RT **5.17**

2,2-Dichloropropane

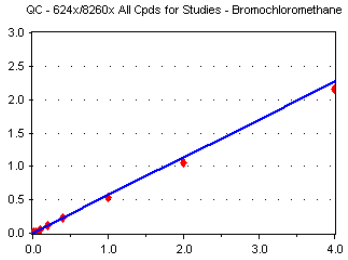


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
~~0K14006-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K14006-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
0K14006-CAL3	0.4	2851	1.228	5.26
0K14006-CAL4	1	5698	0.988	5.28
0K14006-CAL5	2	10585	0.934	5.27
0K14006-CAL6	5	24967	0.852	5.28
0K14006-CAL7	10	48621	0.825	5.28
0K14006-CAL8	20	95753	0.846	5.28
0K14006-CAL9	50	228426	0.831	5.28
0K14006-CALA	100	445065	0.837	5.28
0K14006-CALB	200	915862	0.919	5.28

AVE RF **0.918** RF RSD **14.07** AVE RT **5.28**

Bromochloromethane



Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0K14006-CAL1	0.1	361	0.585	5.36
0K14006-CAL2	0.2	678	0.560	5.37
0K14006-CAL3	0.4	1401	0.603	5.36
0K14006-CAL4	1	3525	0.611	5.37
0K14006-CAL5	2	6597	0.582	5.37
0K14006-CAL6	5	16391	0.560	5.37
0K14006-CAL7	10	33074	0.561	5.37
0K14006-CAL8	20	64179	0.567	5.37
0K14006-CAL9	50	146079	0.532	5.37
0K14006-CALA	100	279260	0.525	5.36
0K14006-CALB	200	536817	0.538	5.37

AVE RF **0.566** RF RSD **4.93** AVE RT **5.36**

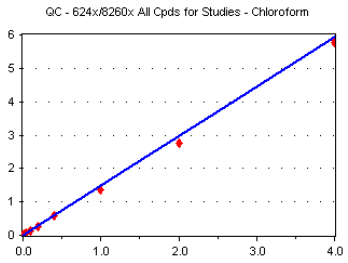
Element Calibration Review Sheet

Calibration ID: **A0K1605** Instrument: **VOA-GCMS11** Calibration Date: **11/16/2020**

Analysis: **QC - 624x/8260x All Cpds fo** Instrument Cal ID: **VK201115S/M/VK201115G.M**

Chloroform

Curve Fit: **AVERAGE RF**

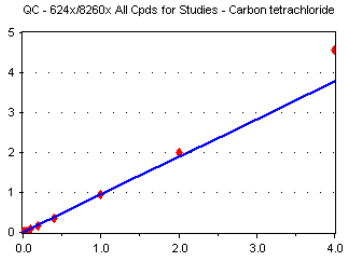


Standard	Concentration	Response	Response Factor	RT
0K14006-CAL1	0.1	1072	1.737	5.45
0K14006-CAL2	0.2	2040	1.684	5.45
0K14006-CAL3	0.4	3644	1.570	5.45
0K14006-CAL4	1	8724	1.513	5.45
0K14006-CAL5	2	16104	1.422	5.46
0K14006-CAL6	5	40970	1.399	5.46
0K14006-CAL7	10	80599	1.368	5.45
0K14006-CAL8	20	160627	1.419	5.46
0K14006-CAL9	50	375903	1.368	5.45
0K14006-CALA	100	734343	1.381	5.45
0K14006-CALB	200	1440842	1.445	5.45

AVE RF **1.482** RF RSD **8.70** AVE RT **5.45**

Carbon tetrachloride

Curve Fit: **AVERAGE RF**

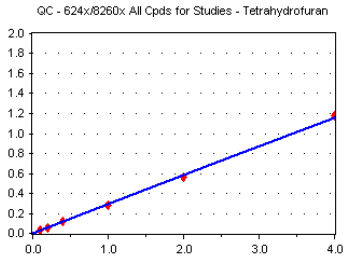


Standard	Concentration	Response	Response Factor	RT
~~0K14006-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
0K14006-CAL2	0.2	1132	0.934	5.60
0K14006-CAL3	0.4	2346	1.010	5.59
0K14006-CAL4	1	5295	0.918	5.59
0K14006-CAL5	2	9790	0.864	5.60
0K14006-CAL6	5	24846	0.848	5.60
0K14006-CAL7	10	50275	0.853	5.60
0K14006-CAL8	20	102522	0.906	5.60
0K14006-CAL9	50	261517	0.952	5.60
0K14006-CALA	100	532569	1.002	5.59
0K14006-CALB	200	1137308	1.141	5.60

AVE RF **0.943** RF RSD **9.51** AVE RT **5.60**

Tetrahydrofuran

Curve Fit: **AVERAGE RF**

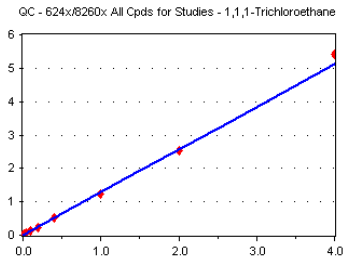


Standard	Concentration	Response	Response Factor	RT
~~0K14006-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K14006-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
~~0K14006-CAL3~~	~~0.4~~	~~0~~	~~0.000~~	~~0.00~~
~~0K14006-CAL4~~	~~1~~	~~2335~~	~~0.405~~	~~5.63~~
~~0K14006-CAL5~~	~~2~~	~~1867~~	~~0.165~~	~~5.63~~
0K14006-CAL6	5	9083	0.310	5.64
0K14006-CAL7	10	17254	0.293	5.64
0K14006-CAL8	20	32274	0.285	5.63
0K14006-CAL9	50	76698	0.279	5.63
0K14006-CALA	100	148300	0.279	5.62
0K14006-CALB	200	292428	0.293	5.63

AVE RF **0.290** RF RSD **4.05** AVE RT **5.63**

1,1,1-Trichloroethane

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
~~0K14006-CAL1~~	~~0.1~~	~~1168~~	~~1.892~~	~~5.66~~
0K14006-CAL2	0.2	1738	1.435	5.67
0K14006-CAL3	0.4	3000	1.292	5.67
0K14006-CAL4	1	7316	1.268	5.67
0K14006-CAL5	2	14382	1.270	5.67
0K14006-CAL6	5	35799	1.222	5.67
0K14006-CAL7	10	69989	1.188	5.66
0K14006-CAL8	20	143590	1.269	5.66
0K14006-CAL9	50	341007	1.241	5.66
0K14006-CALA	100	668843	1.258	5.66
0K14006-CALB	200	1349490	1.353	5.66

AVE RF **1.280** RF RSD **5.44** AVE RT **5.66**

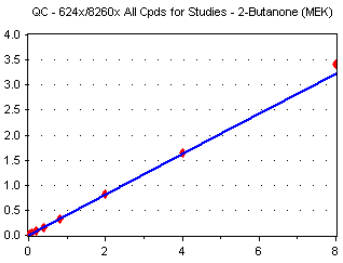
Element Calibration Review Sheet

Calibration ID: **A0K1605** Instrument: **VOA-GCMS11** Calibration Date: **11/16/2020**

Analysis: **QC - 624x/8260x All Cpds fo** Instrument Cal ID: **VK201115S/M/VK201115G.M**

2-Butanone (MEK)

Curve Fit: **AVERAGE RF**

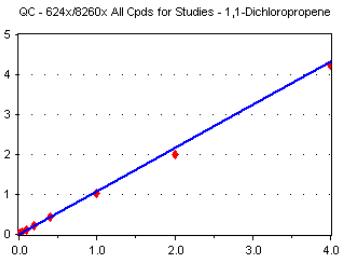


Standard	Concentration	Response	Response Factor	RT
~~0K14006-CAL1~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
~~0K14006-CAL2~~	~~0.4~~	~~0~~	~~0.000~~	~~0.00~~
~~0K14006-CAL3~~	~~0.8~~	~~0~~	~~0.000~~	~~0.00~~
0K14006-CAL4	2	4245	0.368	5.78
0K14006-CAL5	4	9374	0.414	5.78
0K14006-CAL6	10	23196	0.396	5.77
0K14006-CAL7	20	47007	0.399	5.77
0K14006-CAL8	40	91646	0.405	5.77
0K14006-CAL9	100	224583	0.409	5.77
0K14006-CALA	200	436780	0.411	5.77
0K14006-CALB	400	851065	0.427	5.77

AVE RF **0.403** RF RSD **4.26** AVE RT **5.77**

1,1-Dichloropropene

Curve Fit: **AVERAGE RF**

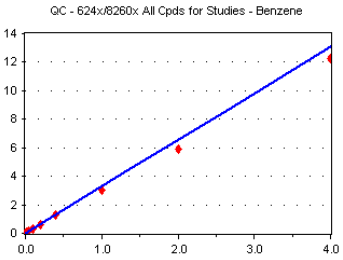


Standard	Concentration	Response	Response Factor	RT
~~0K14006-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
0K14006-CAL2	0.2	1488	1.228	5.79
0K14006-CAL3	0.4	2643	1.138	5.79
0K14006-CAL4	1	6160	1.068	5.79
0K14006-CAL5	2	12918	1.140	5.79
0K14006-CAL6	5	31256	1.067	5.79
0K14006-CAL7	10	61357	1.042	5.79
0K14006-CAL8	20	120055	1.061	5.79
0K14006-CAL9	50	281592	1.025	5.79
0K14006-CALA	100	532955	1.002	5.79
0K14006-CALB	200	1057537	1.061	5.79

AVE RF **1.083** RF RSD **6.20** AVE RT **5.79**

Benzene

Curve Fit: **AVERAGE RF**

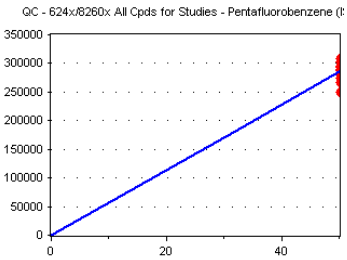


Standard	Concentration	Response	Response Factor	RT
~~0K14006-CAL1~~	~~0.1~~	~~3011~~	~~4.878~~	~~6.04~~
0K14006-CAL2	0.2	4639	3.829	6.05
0K14006-CAL3	0.4	8225	3.543	6.04
0K14006-CAL4	1	20010	3.469	6.04
0K14006-CAL5	2	37704	3.328	6.04
0K14006-CAL6	5	94943	3.241	6.04
0K14006-CAL7	10	184190	3.127	6.05
0K14006-CAL8	20	359419	3.175	6.04
0K14006-CAL9	50	833586	3.033	6.04
0K14006-CALA	100	1578145	2.968	6.04
0K14006-CALB	200	3052281	3.061	6.04

AVE RF **3.278** RF RSD **8.20** AVE RT **6.04**

Pentafluorobenzene (ISTD)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0K14006-CAL1	50	308626	6172.520	6.13
0K14006-CAL2	50	302866	6057.320	6.13
0K14006-CAL3	50	290214	5804.280	6.12
0K14006-CAL4	50	288374	5767.480	6.13
0K14006-CAL5	50	283201	5664.020	6.13
0K14006-CAL6	50	292918	5858.360	6.13
0K14006-CAL7	50	294527	5890.540	6.13
0K14006-CAL8	50	282969	5659.380	6.13
0K14006-CAL9	50	274811	5496.220	6.13
0K14006-CALA	50	265838	5316.760	6.12
0K14006-CALB	50	249268	4985.360	6.13

AVE RF **5697.476** RF RSD **5.90** AVE RT **6.13**

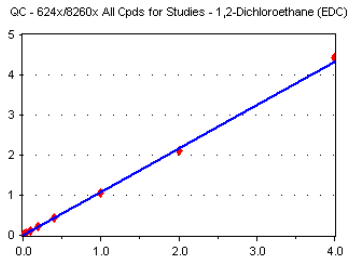
Element Calibration Review Sheet

Calibration ID: **A0K1605** Instrument: **VOA-GCMS11** Calibration Date: **11/16/2020**

Analysis: **QC - 624x/8260x All Cpds fo** Instrument Cal ID: **VK201115S/M/VK201115G.M**

1,2-Dichloroethane (EDC)

Curve Fit: **AVERAGE RF**

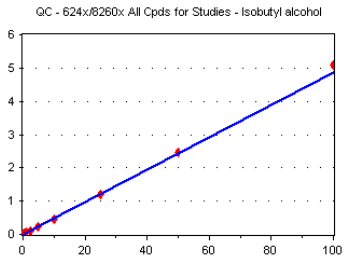


Standard	Concentration	Response	Response Factor	RT
0K14006-CAL1	0.1	661	1.071	6.25
0K14006-CAL2	0.2	1358	1.121	6.25
0K14006-CAL3	0.4	2426	1.045	6.24
0K14006-CAL4	1	6361	1.103	6.25
0K14006-CAL5	2	12721	1.123	6.25
0K14006-CAL6	5	31790	1.085	6.25
0K14006-CAL7	10	61505	1.044	6.25
0K14006-CAL8	20	121836	1.076	6.25
0K14006-CAL9	50	288664	1.050	6.25
0K14006-CALA	100	558359	1.050	6.24
0K14006-CALB	200	1106887	1.110	6.25

AVE RF **1.080** RF RSD **2.83** AVE RT **6.25**

Isobutyl alcohol

Curve Fit: **AVERAGE RF**

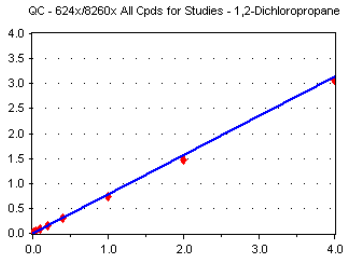


Standard	Concentration	Response	Response Factor	RT
~~0K14006-CAL1~~	~~2.5~~	~~0~~	~~0.000~~	~~0.00~~
~~0K14006-CAL2~~	~~5~~	~~0~~	~~0.000~~	~~0.00~~
~~0K14006-CAL3~~	~~10~~	~~0~~	~~0.000~~	~~0.00~~
0K14006-CAL4	25	8295	5.753	6.37
0K14006-CAL5	50	14109	4.982	6.37
0K14006-CAL6	125	32741	4.471	6.38
0K14006-CAL7	250	64021	4.347	6.36
0K14006-CAL8	500	128707	4.548	6.37
0K14006-CAL9	1250	333940	0.049	6.37
0K14006-CALA	2500	653241	0.049	6.36
0K14006-CALB	5000	1267604	5.085	6.37

AVE RF **4.870** RF RSD **9.10** AVE RT **6.37**

1,2-Dichloropropane

Curve Fit: **AVERAGE RF**

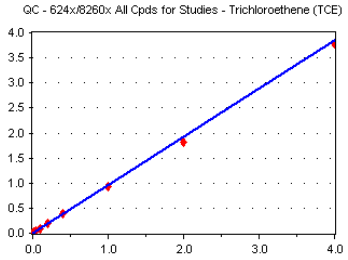


Standard	Concentration	Response	Response Factor	RT
0K14006-CAL1	0.1	366	0.593	0.00
0K14006-CAL2	0.2	1109	0.915	7.21
0K14006-CAL3	0.4	1984	0.855	7.21
0K14006-CAL4	1	5061	0.878	7.21
0K14006-CAL5	2	9238	0.815	7.21
0K14006-CAL6	5	23040	0.787	7.21
0K14006-CAL7	10	45184	0.767	7.21
0K14006-CAL8	20	88474	0.782	7.21
0K14006-CAL9	50	202897	0.738	7.21
0K14006-CALA	100	390403	0.734	7.21
0K14006-CALB	200	765725	0.768	7.21

AVE RF **0.785** RF RSD **10.93** AVE RT **6.56**

Trichloroethene (TCE)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0K14006-CAL1	0.1	637	1.032	6.67
0K14006-CAL2	0.2	1211	1.000	6.66
0K14006-CAL3	0.4	2235	0.963	6.66
0K14006-CAL4	1	5447	0.944	6.67
0K14006-CAL5	2	11305	0.998	6.67
0K14006-CAL6	5	28156	0.961	6.66
0K14006-CAL7	10	55606	0.944	6.67
0K14006-CAL8	20	108795	0.961	6.67
0K14006-CAL9	50	254121	0.925	6.67
0K14006-CALA	100	480102	0.903	6.66
0K14006-CALB	200	942905	0.946	6.67

AVE RF **0.961** RF RSD **3.80** AVE RT **6.66**

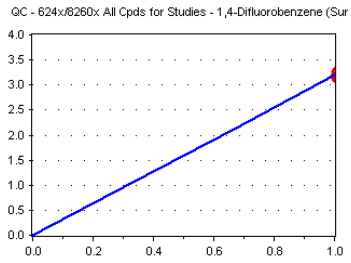
Element Calibration Review Sheet

Calibration ID: **A0K1605** Instrument: **VOA-GCMS11** Calibration Date: **11/16/2020**

Analysis: **QC - 624x/8260x All Cpds fo** Instrument Cal ID: **VK201115S/M/VK201115G.M**

1,4-Difluorobenzene (Surr)

Curve Fit: **AVERAGE RF**

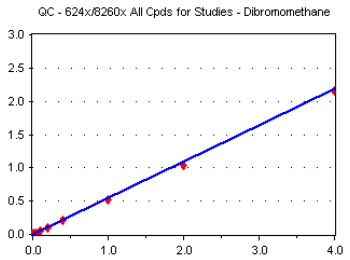


Standard	Concentration	Response	Response Factor	RT
0K14006-CAL1	50	1005099	3.257	6.69
0K14006-CAL2	50	977264	3.227	6.69
0K14006-CAL3	50	933542	3.217	6.69
0K14006-CAL4	50	927482	3.216	6.69
0K14006-CAL5	50	905760	3.198	6.69
0K14006-CAL6	50	938902	3.205	6.69
0K14006-CAL7	50	932977	3.168	6.69
0K14006-CAL8	50	897360	3.171	6.69
0K14006-CAL9	50	866044	3.151	6.69
0K14006-CALA	50	837245	3.149	6.69
0K14006-CALB	50	780748	3.132	6.69

AVE RF **3.190** RF RSD **1.21** AVE RT **6.69**

Dibromomethane

Curve Fit: **AVERAGE RF**

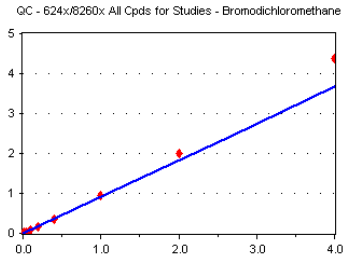


Standard	Concentration	Response	Response Factor	RT
~~0K14006-CAL1~~	~~0.1~~	~~491~~	~~0.795~~	~~7.10~~
0K14006-CAL2	0.2	809	0.668	7.10
0K14006-CAL3	0.4	1374	0.592	7.10
0K14006-CAL4	1	3095	0.537	7.11
0K14006-CAL5	2	6193	0.547	7.10
0K14006-CAL6	5	15305	0.523	7.10
0K14006-CAL7	10	30373	0.516	7.11
0K14006-CAL8	20	59844	0.529	7.10
0K14006-CAL9	50	143158	0.521	7.11
0K14006-CALA	100	277136	0.521	7.10
0K14006-CALB	200	538540	0.540	7.11

AVE RF **0.549** RF RSD **8.58** AVE RT **7.10**

Bromodichloromethane

Curve Fit: **AVERAGE RF**

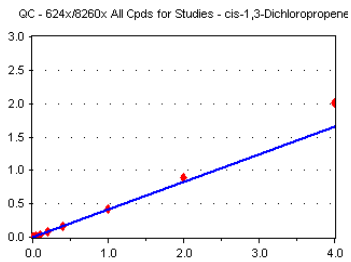


Standard	Concentration	Response	Response Factor	RT
~~0K14006-CAL1~~	~~0.1~~	~~792~~	~~1.283~~	~~7.28~~
0K14006-CAL2	0.2	1317	1.087	7.30
0K14006-CAL3	0.4	1984	0.855	7.29
0K14006-CAL4	1	4577	0.794	7.29
0K14006-CAL5	2	9538	0.842	7.29
0K14006-CAL6	5	23858	0.814	7.29
0K14006-CAL7	10	49635	0.843	7.29
0K14006-CAL8	20	101902	0.900	7.29
0K14006-CAL9	50	257176	0.936	7.29
0K14006-CALA	100	529029	0.995	7.29
0K14006-CALB	200	1094224	1.097	7.29

AVE RF **0.916** RF RSD **12.01** AVE RT **7.29**

cis-1,3-Dichloropropene

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
~~0K14006-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
0K14006-CAL2	0.2	1384	0.406	7.99
0K14006-CAL3	0.4	2528	0.388	8.00
0K14006-CAL4	1	6328	0.391	8.00
0K14006-CAL5	2	11768	0.368	8.00
0K14006-CAL6	5	30708	0.378	7.99
0K14006-CAL7	10	63245	0.390	7.99
0K14006-CAL8	20	130811	0.421	7.99
0K14006-CAL9	50	319432	0.429	7.99
0K14006-CALA	100	625203	0.448	7.99
0K14006-CALB	200	1255734	0.504	7.99

AVE RF **0.412** RF RSD **9.81** AVE RT **7.99**

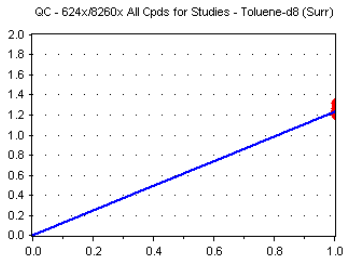
Element Calibration Review Sheet

Calibration ID: **A0K1605** Instrument: **VOA-GCMS11** Calibration Date: **11/16/2020**

Analysis: **QC - 624x/8260x All Cpds fo** Instrument Cal ID: **VK201115S/M/VK201115G.M**

Toluene-d8 (Surr)

Curve Fit: **AVERAGE RF**

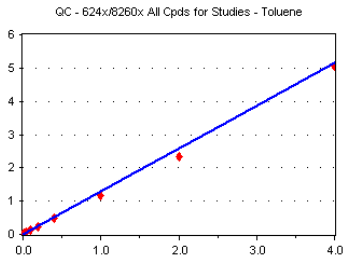


Standard	Concentration	Response	Response Factor	RT
0K14006-CAL1	50	1059122	1.220	8.21
0K14006-CAL2	50	1038536	1.219	8.21
0K14006-CAL3	50	993540	1.218	8.22
0K14006-CAL4	50	990547	1.224	8.21
0K14006-CAL5	50	962250	1.205	8.21
0K14006-CAL6	50	994361	1.224	8.22
0K14006-CAL7	50	990303	1.223	8.21
0K14006-CAL8	50	955104	1.228	8.21
0K14006-CAL9	50	925217	1.242	8.21
0K14006-CALA	50	886755	1.270	8.21
0K14006-CALB	50	821594	1.320	8.21

AVE RF **1.236** RF RSD **2.62** AVE RT **8.21**

Toluene

Curve Fit: **AVERAGE RF**

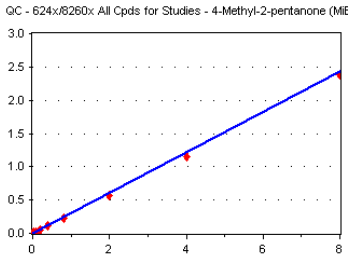


Standard	Concentration	Response	Response Factor	RT
~~0K14006-CAL1~~	~~0.1~~	~~3437~~	~~1.979~~	~~8.27~~
0K14006-CAL2	0.2	5669	1.664	8.28
0K14006-CAL3	0.4	9052	1.388	8.28
0K14006-CAL4	1	21508	1.329	8.27
0K14006-CAL5	2	39661	1.242	8.27
0K14006-CAL6	5	100526	1.237	8.27
0K14006-CAL7	10	196992	1.216	8.27
0K14006-CAL8	20	380761	1.224	8.27
0K14006-CAL9	50	874717	1.175	8.27
0K14006-CALA	100	1633012	1.169	8.27
0K14006-CALB	200	3143879	1.262	8.27

AVE RF **1.291** RF RSD **11.39** AVE RT **8.27**

4-Methyl-2-pentanone (MiBK)

Curve Fit: **AVERAGE RF**

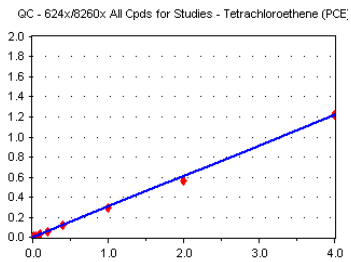


Standard	Concentration	Response	Response Factor	RT
0K14006-CAL1	0.2	1264	0.364	8.71
0K14006-CAL2	0.4	2443	0.359	8.71
0K14006-CAL3	0.8	4097	0.314	8.71
0K14006-CAL4	2	9815	0.303	8.71
0K14006-CAL5	4	18614	0.291	8.71
0K14006-CAL6	10	45971	0.283	8.71
0K14006-CAL7	20	91290	0.282	8.71
0K14006-CAL8	40	177474	0.285	8.70
0K14006-CAL9	100	424720	0.285	8.71
0K14006-CALA	200	799245	0.286	8.70
0K14006-CALB	400	1481444	0.297	8.71

AVE RF **0.305** RF RSD **9.76** AVE RT **8.71**

Tetrachloroethene (PCE)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0K14006-CAL1	0.1	616	0.355	8.72
0K14006-CAL2	0.2	1178	0.346	8.72
0K14006-CAL3	0.4	1927	0.295	8.72
0K14006-CAL4	1	4778	0.295	8.73
0K14006-CAL5	2	9350	0.293	8.72
0K14006-CAL6	5	24201	0.298	8.72
0K14006-CAL7	10	46702	0.288	8.72
0K14006-CAL8	20	93738	0.301	8.72
0K14006-CAL9	50	215786	0.290	8.72
0K14006-CALA	100	394663	0.283	8.72
0K14006-CALB	200	759160	0.305	8.72

AVE RF **0.304** RF RSD **7.74** AVE RT **8.72**

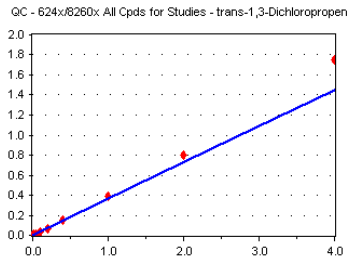
Element Calibration Review Sheet

Calibration ID: **A0K1605** Instrument: **VOA-GCMS11** Calibration Date: **11/16/2020**

Analysis: **QC - 624x/8260x All Cpds fo** Instrument Cal ID: **VK201115S/M/VK201115G.M**

trans-1,3-Dichloropropene

Curve Fit: **AVERAGE RF**

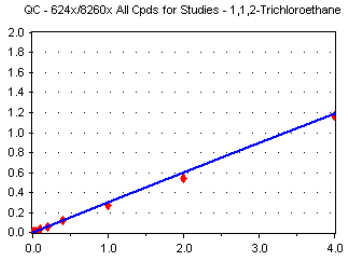


Standard	Concentration	Response	Response Factor	RT
~~0K14006-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
0K14006-CAL2	0.2	1165	0.342	8.74
0K14006-CAL3	0.4	2378	0.365	8.74
0K14006-CAL4	1	5274	0.326	8.74
0K14006-CAL5	2	10286	0.322	8.74
0K14006-CAL6	5	27017	0.333	8.74
0K14006-CAL7	10	56194	0.347	8.74
0K14006-CAL8	20	116122	0.373	8.74
0K14006-CAL9	50	288458	0.387	8.74
0K14006-CALA	100	555683	0.398	8.74
0K14006-CALB	200	1089518	0.437	8.74

AVE RF **0.363** RF RSD **10.12** AVE RT **8.74**

1,1,2-Trichloroethane

Curve Fit: **AVERAGE RF**

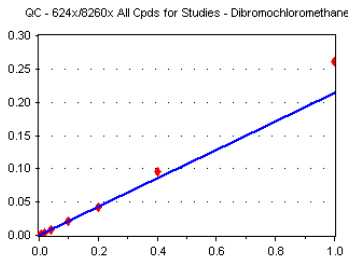


Standard	Concentration	Response	Response Factor	RT
0K14006-CAL1	0.1	652	0.375	8.92
0K14006-CAL2	0.2	1212	0.356	8.92
0K14006-CAL3	0.4	2088	0.320	8.91
0K14006-CAL4	1	4628	0.286	8.91
0K14006-CAL5	2	8794	0.275	8.91
0K14006-CAL6	5	22279	0.274	8.91
0K14006-CAL7	10	44338	0.274	8.91
0K14006-CAL8	20	88499	0.285	8.91
0K14006-CAL9	50	202634	0.272	8.91
0K14006-CALA	100	380066	0.272	8.91
0K14006-CALB	200	729104	0.293	8.91

AVE RF **0.298** RF RSD **12.17** AVE RT **8.91**

Dibromochloromethane

Curve Fit: **AVERAGE RF**

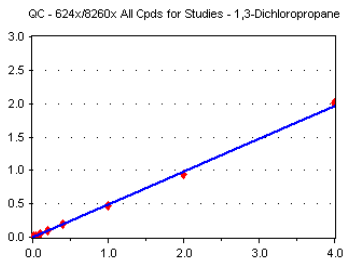


Standard	Concentration	Response	Response Factor	RT
~~0K14006-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
0K14006-CAL2	0.2	638	0.187	9.10
0K14006-CAL3	0.4	1405	0.215	9.10
0K14006-CAL4	1	3178	0.196	9.10
0K14006-CAL5	2	6287	0.197	9.10
0K14006-CAL6	5	16494	0.203	9.11
0K14006-CAL7	10	33807	0.209	9.10
0K14006-CAL8	20	74609	0.240	9.10
0K14006-CAL9	50	194609	0.261	9.10
~~0K14006-CALA~~	~~100~~	~~398306~~	~~0.285~~	~~9.10~~
~~0K14006-CALB~~	~~200~~	~~815677~~	~~0.328~~	~~9.10~~

AVE RF **0.214** RF RSD **11.71** AVE RT **9.10**

1,3-Dichloropropane

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
~~0K14006-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
0K14006-CAL2	0.2	1731	0.508	9.20
0K14006-CAL3	0.4	3555	0.545	9.20
0K14006-CAL4	1	7793	0.481	9.19
0K14006-CAL5	2	15375	0.481	9.20
0K14006-CAL6	5	39315	0.484	9.19
0K14006-CAL7	10	76597	0.473	9.20
0K14006-CAL8	20	149718	0.481	9.19
0K14006-CAL9	50	352832	0.474	9.20
0K14006-CALA	100	655377	0.469	9.19
0K14006-CALB	200	1253553	0.503	9.20

AVE RF **0.490** RF RSD **4.70** AVE RT **9.20**

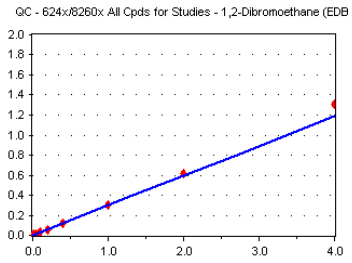
Element Calibration Review Sheet

Calibration ID: **A0K1605** Instrument: **VOA-GCMS11** Calibration Date: **11/16/2020**

Analysis: **QC - 624x/8260x All Cpds fo** Instrument Cal ID: **VK201115S/M/VK201115G.M**

1,2-Dibromoethane (EDB)

Curve Fit: **AVERAGE RF**

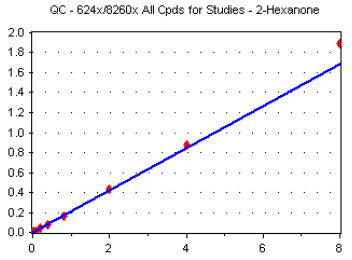


Standard	Concentration	Response	Response Factor	RT
0K14006-CAL1	0.1	519	0.299	9.34
0K14006-CAL2	0.2	1034	0.304	9.33
0K14006-CAL3	0.4	1969	0.302	9.34
0K14006-CAL4	1	4570	0.282	9.34
0K14006-CAL5	2	8710	0.273	9.34
0K14006-CAL6	5	23085	0.284	9.34
0K14006-CAL7	10	45967	0.284	9.34
0K14006-CAL8	20	94067	0.302	9.34
0K14006-CAL9	50	224320	0.301	9.34
0K14006-CALA	100	427414	0.306	9.34
0K14006-CALB	200	816596	0.328	9.34

AVE RF **0.297** RF RSD **5.11** AVE RT **9.34**

2-Hexanone

Curve Fit: **AVERAGE RF**

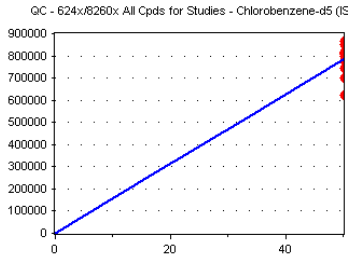


Standard	Concentration	Response	Response Factor	RT
~~0K14006-CAL1~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
~~0K14006-CAL2~~	~~0.4~~	~~0~~	~~0.000~~	~~0.00~~
0K14006-CAL3	0.8	2794	0.214	9.58
0K14006-CAL4	2	6792	0.210	9.58
0K14006-CAL5	4	12656	0.198	9.58
0K14006-CAL6	10	33147	0.204	9.58
0K14006-CAL7	20	64344	0.199	9.57
0K14006-CAL8	40	127274	0.205	9.57
0K14006-CAL9	100	321237	0.216	9.57
0K14006-CALA	200	610679	0.219	9.57
0K14006-CALB	400	1174682	0.236	9.57

AVE RF **0.211** RF RSD **5.60** AVE RT **9.57**

Chlorobenzene-d5 (ISTD)

Curve Fit: **AVERAGE RF**

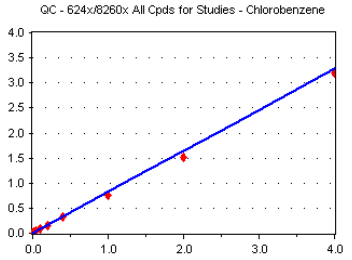


Standard	Concentration	Response	Response Factor	RT
0K14006-CAL1	50	868308	17366.160	9.84
0K14006-CAL2	50	851686	17033.720	9.84
0K14006-CAL3	50	815396	16307.920	9.84
0K14006-CAL4	50	809308	16186.160	9.84
0K14006-CAL5	50	798480	15969.600	9.84
0K14006-CAL6	50	812395	16247.900	9.84
0K14006-CAL7	50	810017	16200.340	9.84
0K14006-CAL8	50	777589	15551.780	9.84
0K14006-CAL9	50	744700	14894.000	9.84
0K14006-CALA	50	698440	13968.800	9.84
0K14006-CALB	50	622617	12452.340	9.84

AVE RF **15652.610** RF RSD **9.03** AVE RT **9.84**

Chlorobenzene

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0K14006-CAL1	0.1	1580	0.910	9.85
0K14006-CAL2	0.2	2868	0.842	9.85
0K14006-CAL3	0.4	5781	0.886	9.86
0K14006-CAL4	1	13947	0.862	9.85
0K14006-CAL5	2	26256	0.822	9.86
0K14006-CAL6	5	65725	0.809	9.86
0K14006-CAL7	10	127988	0.790	9.86
0K14006-CAL8	20	247606	0.796	9.85
0K14006-CAL9	50	569966	0.765	9.85
0K14006-CALA	100	1058058	0.757	9.85
0K14006-CALB	200	1990792	0.799	9.85

AVE RF **0.822** RF RSD **5.91** AVE RT **9.85**

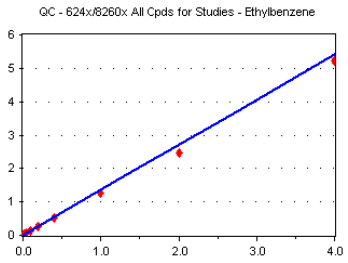
Element Calibration Review Sheet

Calibration ID: **A0K1605** Instrument: **VOA-GCMS11** Calibration Date: **11/16/2020**

Analysis: **QC - 624x/8260x All Cpds fo** Instrument Cal ID: **VK201115S/M/VK201115G.M**

Ethylbenzene

Curve Fit: **AVERAGE RF**

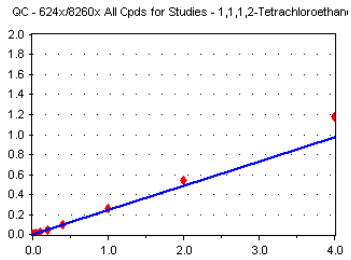


Standard	Concentration	Response	Response Factor	RT
0K14006-CAL1	0.1	2917	1.680	9.88
0K14006-CAL2	0.2	5060	1.485	9.89
0K14006-CAL3	0.4	8868	1.359	9.89
0K14006-CAL4	1	21774	1.345	9.89
0K14006-CAL5	2	43132	1.350	9.89
0K14006-CAL6	5	105507	1.299	9.89
0K14006-CAL7	10	210018	1.296	9.89
0K14006-CAL8	20	406627	1.307	9.89
0K14006-CAL9	50	932832	1.253	9.89
0K14006-CALA	100	1715971	1.228	9.89
0K14006-CALB	200	3257978	1.308	9.89

AVE RF **1.356** RF RSD **9.33** AVE RT **9.89**

1,1,1,2-Tetrachloroethane

Curve Fit: **AVERAGE RF**

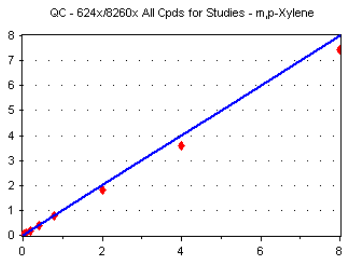


Standard	Concentration	Response	Response Factor	RT
0K14006-CAL1	0.1	462	0.266	9.92
0K14006-CAL2	0.2	759	0.223	9.92
0K14006-CAL3	0.4	1448	0.222	9.92
0K14006-CAL4	1	3685	0.228	9.92
0K14006-CAL5	2	6801	0.213	9.92
0K14006-CAL6	5	17850	0.220	9.92
0K14006-CAL7	10	37074	0.229	9.92
0K14006-CAL8	20	77026	0.248	9.92
0K14006-CAL9	50	193354	0.260	9.92
0K14006-CALA	100	376159	0.269	9.92
0K14006-CALB	200	731522	0.294	9.92

AVE RF **0.243** RF RSD **10.76** AVE RT **9.92**

m,p-Xylene

Curve Fit: **AVERAGE RF**

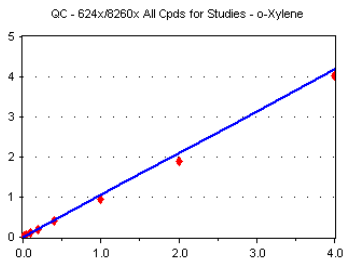


Standard	Concentration	Response	Response Factor	RT
0K14006-CAL1	0.2	4170	1.201	10.03
0K14006-CAL2	0.4	7993	1.173	10.03
0K14006-CAL3	0.8	13953	1.069	10.02
0K14006-CAL4	2	31329	0.968	10.03
0K14006-CAL5	4	61725	0.966	10.03
0K14006-CAL6	10	156989	0.966	10.03
0K14006-CAL7	20	309029	0.954	10.03
0K14006-CAL8	40	596932	0.960	10.03
0K14006-CAL9	100	1363837	0.916	10.03
0K14006-CALA	200	2497343	0.894	10.03
0K14006-CALB	400	4643390	0.932	10.03

AVE RF **1.000** RF RSD **10.25** AVE RT **10.03**

o-Xylene

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0K14006-CAL1	0.1	2486	1.432	10.40
0K14006-CAL2	0.2	3598	1.056	10.41
0K14006-CAL3	0.4	7297	1.119	10.40
0K14006-CAL4	1	17311	1.069	10.41
0K14006-CAL5	2	32547	1.019	10.41
0K14006-CAL6	5	77602	0.955	10.40
0K14006-CAL7	10	156950	0.969	10.41
0K14006-CAL8	20	308411	0.992	10.41
0K14006-CAL9	50	713897	0.959	10.41
0K14006-CALA	100	1318915	0.944	10.41
0K14006-CALB	200	2500292	1.004	10.41

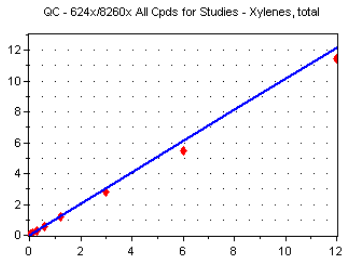
AVE RF **1.047** RF RSD **13.24** AVE RT **10.41**

Element Calibration Review Sheet

Calibration ID: **A0K1605** Instrument: **VOA-GCMS11** Calibration Date: **11/16/2020**

Analysis: **QC - 624x/8260x All Cpds fo** Instrument Cal ID: **VK201115S/M/VK201115G.M**

Xylenes, total

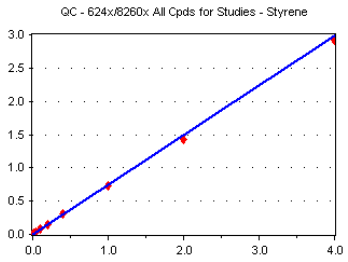


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0K14006-CAL1	0.3	6656	1.278	10.40
0K14006-CAL2	0.6	11591	1.134	10.41
0K14006-CAL3	1.2	21250	1.086	10.40
0K14006-CAL4	3	48640	1.002	10.41
0K14006-CAL5	6	94272	0.984	10.41
0K14006-CAL6	15	234591	0.963	10.40
0K14006-CAL7	30	465979	0.959	10.41
0K14006-CAL8	60	905343	0.970	10.41
0K14006-CAL9	150	2077734	0.930	10.41
0K14006-CALA	300	3816258	0.911	10.41
0K14006-CALB	600	7143682	0.956	10.41

AVE RF **1.016** RF RSD **10.73** AVE RT **10.41**

Styrene

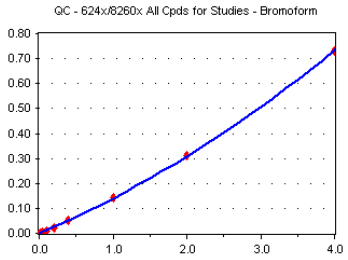


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
~~0K14006-CAL1~~	~~0.1~~	~~2001~~	~~1.152~~	~~10.45~~
0K14006-CAL2	0.2	2667	0.783	10.45
0K14006-CAL3	0.4	5105	0.783	10.45
0K14006-CAL4	1	11776	0.728	10.45
0K14006-CAL5	2	24210	0.758	10.45
0K14006-CAL6	5	61011	0.751	10.45
0K14006-CAL7	10	119590	0.738	10.45
0K14006-CAL8	20	237495	0.764	10.45
0K14006-CAL9	50	546768	0.734	10.45
0K14006-CALA	100	992793	0.711	10.45
0K14006-CALB	200	1813892	0.728	10.45

AVE RF **0.748** RF RSD **3.23** AVE RT **10.45**

Bromoform

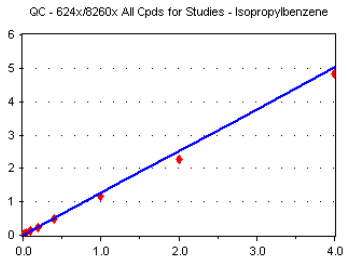


Curve Fit: **QUADRATIC: Weighting: (1/a), Origin: Ignore**

Standard	Concentration	Response	Response Factor	RT
~~0K14006-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K14006-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
0K14006-CAL3	0.4	713	0.109	10.46
0K14006-CAL4	1	1590	9.823	10.47
0K14006-CAL5	2	3219	0.101	10.46
0K14006-CAL6	5	8062	9.924	10.46
0K14006-CAL7	10	17519	0.108	10.47
0K14006-CAL8	20	39735	0.128	10.47
0K14006-CAL9	50	107796	0.145	10.47
0K14006-CALA	100	218947	0.157	10.47
0K14006-CALB	200	454182	0.182	10.47

AVE RF **0.125** RF RSD **23.94** AVE RT **10.47**

Isopropylbenzene



Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0K14006-CAL1	0.1	2851	1.642	10.68
0K14006-CAL2	0.2	4442	1.304	10.68
0K14006-CAL3	0.4	8501	1.303	10.68
0K14006-CAL4	1	20059	1.239	10.68
0K14006-CAL5	2	39165	1.226	10.68
0K14006-CAL6	5	97647	1.202	10.68
0K14006-CAL7	10	193515	1.195	10.68
0K14006-CAL8	20	378491	1.217	10.68
0K14006-CAL9	50	867176	1.164	10.68
0K14006-CALA	100	1587113	1.136	10.68
0K14006-CALB	200	3000545	1.205	10.68

AVE RF **1.258** RF RSD **10.90** AVE RT **10.68**

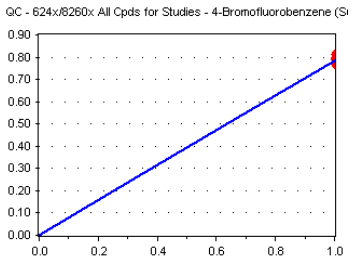
Element Calibration Review Sheet

Calibration ID: **A0K1605** Instrument: **VOA-GCMS11** Calibration Date: **11/16/2020**

Analysis: **QC - 624x/8260x All Cpds fo** Instrument Cal ID: **VK201115S/M/VK201115G.M**

4-Bromofluorobenzene (Surr)

Curve Fit: **AVERAGE RF**

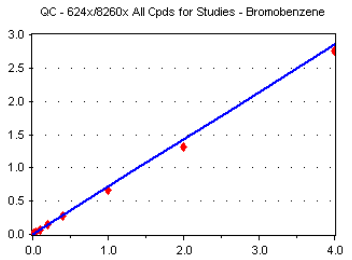


Standard	Concentration	Response	Response Factor	RT
0K14006-CAL1	50	289653	0.787	10.91
0K14006-CAL2	50	289451	0.787	10.91
0K14006-CAL3	50	277413	0.777	10.91
0K14006-CAL4	50	272690	0.776	10.91
0K14006-CAL5	50	266297	0.768	10.91
0K14006-CAL6	50	269390	0.777	10.91
0K14006-CAL7	50	267524	0.789	10.91
0K14006-CAL8	50	263076	0.792	10.91
0K14006-CAL9	50	249715	0.781	10.91
0K14006-CALA	50	234574	0.796	10.91
0K14006-CALB	50	212955	0.811	10.91

AVE RF **0.786** RF RSD **1.50** AVE RT **10.91**

Bromobenzene

Curve Fit: **AVERAGE RF**

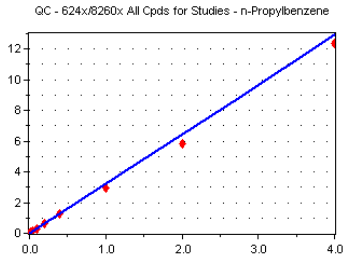


Standard	Concentration	Response	Response Factor	RT
0K14006-CAL1	0.1	569	0.773	10.99
0K14006-CAL2	0.2	1123	0.763	10.99
0K14006-CAL3	0.4	2060	0.722	11.00
0K14006-CAL4	1	5237	0.745	11.00
0K14006-CAL5	2	9966	0.718	11.00
0K14006-CAL6	5	24728	0.713	11.00
0K14006-CAL7	10	47329	0.698	10.99
0K14006-CAL8	20	92831	0.698	10.99
0K14006-CAL9	50	211619	0.662	10.99
0K14006-CALA	100	388393	0.659	10.99
0K14006-CALB	200	723248	0.689	10.99

AVE RF **0.713** RF RSD **5.24** AVE RT **10.99**

n-Propylbenzene

Curve Fit: **AVERAGE RF**

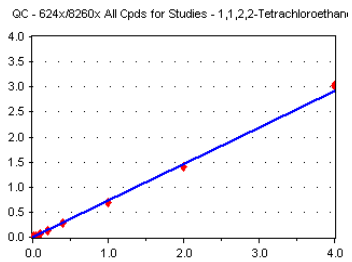


Standard	Concentration	Response	Response Factor	RT
0K14006-CAL1	0.1	3098	4.211	11.03
0K14006-CAL2	0.2	5418	3.682	11.02
0K14006-CAL3	0.4	9374	3.283	11.02
0K14006-CAL4	1	21740	3.094	11.03
0K14006-CAL5	2	41718	3.008	11.03
0K14006-CAL6	5	106323	3.066	11.03
0K14006-CAL7	10	209972	3.096	11.03
0K14006-CAL8	20	410145	3.086	11.03
0K14006-CAL9	50	946313	2.958	11.03
0K14006-CALA	100	1718295	2.914	11.03
0K14006-CALB	200	3244467	3.090	11.03

AVE RF **3.226** RF RSD **11.99** AVE RT **11.03**

1,1,2,2-Tetrachloroethane

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
~~0K14006-CAL1~~	~~0.1~~	~~1085~~	~~1.475~~	~~11.08~~
0K14006-CAL2	0.2	1216	0.826	11.07
0K14006-CAL3	0.4	2258	0.791	11.08
0K14006-CAL4	1	5181	0.737	11.07
0K14006-CAL5	2	10282	0.741	11.07
0K14006-CAL6	5	24083	0.694	11.08
0K14006-CAL7	10	46662	0.688	11.08
0K14006-CAL8	20	92642	0.697	11.07
0K14006-CAL9	50	220131	0.688	11.08
0K14006-CALA	100	412792	0.700	11.07
0K14006-CALB	200	793433	0.756	11.08

AVE RF **0.732** RF RSD **6.53** AVE RT **11.07**

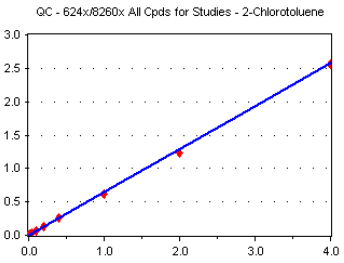
Element Calibration Review Sheet

Calibration ID: **A0K1605** Instrument: **VOA-GCMS11** Calibration Date: **11/16/2020**

Analysis: **QC - 624x/8260x All Cpds fo** Instrument Cal ID: **VK201115S/M/VK201115G.M**

2-Chlorotoluene

Curve Fit: **AVERAGE RF**

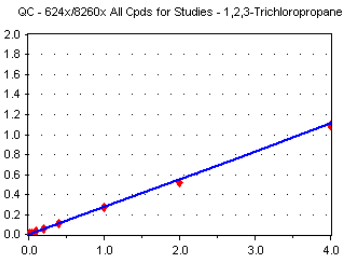


Standard	Concentration	Response	Response Factor	RT
0K14006-CAL1	0.1	548	0.745	11.14
0K14006-CAL2	0.2	911	0.619	11.15
0K14006-CAL3	0.4	1796	0.629	11.14
0K14006-CAL4	1	4334	0.617	11.14
0K14006-CAL5	2	8817	0.636	11.15
0K14006-CAL6	5	22745	0.656	11.15
0K14006-CAL7	10	44256	0.652	11.15
0K14006-CAL8	20	87185	0.656	11.15
0K14006-CAL9	50	198188	0.620	11.15
0K14006-CALA	100	362574	0.615	11.15
0K14006-CALB	200	672699	0.641	11.15

AVE RF **0.644** RF RSD **5.73** AVE RT **11.15**

1,2,3-Trichloropropane

Curve Fit: **AVERAGE RF**

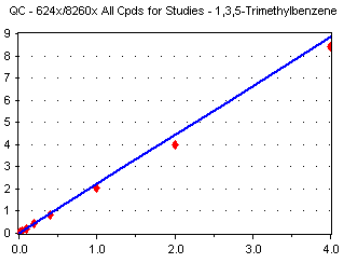


Standard	Concentration	Response	Response Factor	RT
~~0K14006-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
0K14006-CAL2	0.2	433	0.294	11.17
0K14006-CAL3	0.4	895	0.313	11.18
0K14006-CAL4	1	1981	0.282	11.18
0K14006-CAL5	2	3744	0.270	11.18
0K14006-CAL6	5	9455	0.273	11.18
0K14006-CAL7	10	18246	0.269	11.18
0K14006-CAL8	20	36186	0.272	11.18
0K14006-CAL9	50	84912	0.265	11.18
0K14006-CALA	100	153402	0.260	11.18
0K14006-CALB	200	285413	0.272	11.18

AVE RF **0.277** RF RSD **5.71** AVE RT **11.18**

1,3,5-Trimethylbenzene

Curve Fit: **AVERAGE RF**

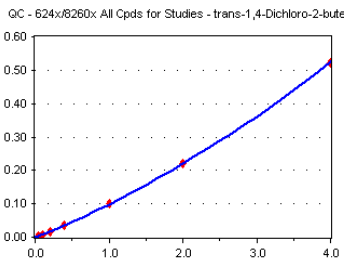


Standard	Concentration	Response	Response Factor	RT
0K14006-CAL1	0.1	2219	3.016	11.18
0K14006-CAL2	0.2	3512	2.387	11.19
0K14006-CAL3	0.4	6345	2.222	11.18
0K14006-CAL4	1	14833	2.111	11.18
0K14006-CAL5	2	29757	2.145	11.18
0K14006-CAL6	5	73340	2.115	11.18
0K14006-CAL7	10	144130	2.125	11.18
0K14006-CAL8	20	282777	2.128	11.18
0K14006-CAL9	50	646721	2.022	11.18
0K14006-CALA	100	1179890	2.001	11.18
0K14006-CALB	200	2205954	2.101	11.18

AVE RF **2.216** RF RSD **12.84** AVE RT **11.18**

trans-1,4-Dichloro-2-butene

Curve Fit: **QUADRATIC: Weighting: (1/a), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
~~0K14006-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K14006-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
~~0K14006-CAL3~~	~~0.4~~	~~209~~	~~7.320~~	~~11.21~~
~~0K14006-CAL4~~	~~1~~	~~468~~	~~6.661~~	~~11.22~~
0K14006-CAL5	2	915	6.596	11.21
0K14006-CAL6	5	2607	7.517	11.21
0K14006-CAL7	10	5560	8.197	11.21
0K14006-CAL8	20	11544	8.686	11.21
0K14006-CAL9	50	32360	0.101	11.21
0K14006-CALA	100	64710	0.110	11.21
0K14006-CALB	200	137391	0.131	11.21

AVE RF **9.310** RF RSD **23.97** AVE RT **11.21**

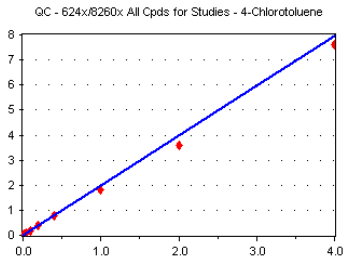
Element Calibration Review Sheet

Calibration ID: **A0K1605** Instrument: **VOA-GCMS11** Calibration Date: **11/16/2020**

Analysis: **QC - 624x/8260x All Cpds fo** Instrument Cal ID: **VK201115S/M/VK201115G.M**

4-Chlorotoluene

Curve Fit: **AVERAGE RF**

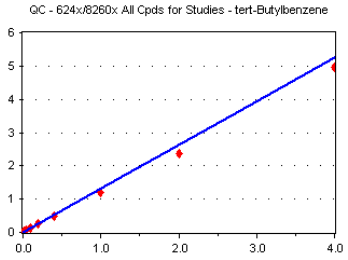


Standard	Concentration	Response	Response Factor	RT
0K14006-CAL1	0.1	1864	2.534	11.28
0K14006-CAL2	0.2	3289	2.235	11.28
0K14006-CAL3	0.4	6020	2.109	11.28
0K14006-CAL4	1	13728	1.954	11.28
0K14006-CAL5	2	26424	1.905	11.28
0K14006-CAL6	5	64836	1.869	11.28
0K14006-CAL7	10	127975	1.887	11.28
0K14006-CAL8	20	253306	1.906	11.28
0K14006-CAL9	50	581944	1.819	11.28
0K14006-CALA	100	1061464	1.800	11.28
0K14006-CALB	200	1997680	1.903	11.28

AVE RF **1.993** RF RSD **11.03** AVE RT **11.28**

tert-Butylbenzene

Curve Fit: **AVERAGE RF**

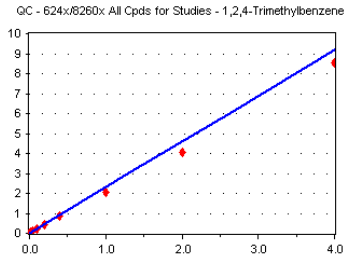


Standard	Concentration	Response	Response Factor	RT
0K14006-CAL1	0.1	1350	1.835	11.44
0K14006-CAL2	0.2	2113	1.436	11.44
0K14006-CAL3	0.4	3727	1.305	11.44
0K14006-CAL4	1	9082	1.293	11.44
0K14006-CAL5	2	17325	1.249	11.44
0K14006-CAL6	5	43473	1.253	11.44
0K14006-CAL7	10	85271	1.257	11.44
0K14006-CAL8	20	165156	1.243	11.44
0K14006-CAL9	50	381290	1.192	11.44
0K14006-CALA	100	696609	1.182	11.44
0K14006-CALB	200	1306531	1.244	11.44

AVE RF **1.317** RF RSD **14.01** AVE RT **11.44**

1,2,4-Trimethylbenzene

Curve Fit: **AVERAGE RF**

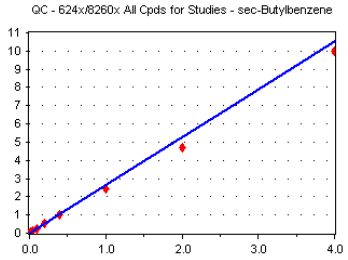


Standard	Concentration	Response	Response Factor	RT
0K14006-CAL1	0.1	2279	3.098	11.49
0K14006-CAL2	0.2	3839	2.609	11.49
0K14006-CAL3	0.4	6788	2.378	11.49
0K14006-CAL4	1	15663	2.229	11.49
0K14006-CAL5	2	30059	2.167	11.49
0K14006-CAL6	5	74747	2.155	11.49
0K14006-CAL7	10	146576	2.161	11.49
0K14006-CAL8	20	290365	2.185	11.49
0K14006-CAL9	50	662840	2.072	11.49
0K14006-CALA	100	1196705	2.030	11.49
0K14006-CALB	200	2241897	2.135	11.49

AVE RF **2.293** RF RSD **13.56** AVE RT **11.49**

sec-Butylbenzene

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0K14006-CAL1	0.1	2610	3.548	11.58
0K14006-CAL2	0.2	3920	2.664	11.58
0K14006-CAL3	0.4	7759	2.718	11.58
0K14006-CAL4	1	17750	2.526	11.58
0K14006-CAL5	2	34624	2.496	11.58
0K14006-CAL6	5	87965	2.536	11.58
0K14006-CAL7	10	172207	2.539	11.58
0K14006-CAL8	20	340644	2.563	11.58
0K14006-CAL9	50	787689	2.462	11.58
0K14006-CALA	100	1391993	2.361	11.58
0K14006-CALB	200	2618349	2.494	11.58

AVE RF **2.628** RF RSD **12.16** AVE RT **11.58**

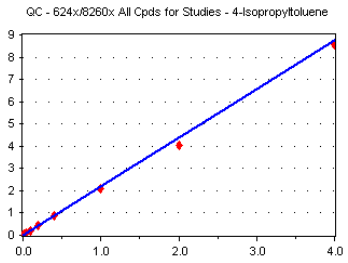
Element Calibration Review Sheet

Calibration ID: **A0K1605** Instrument: **VOA-GCMS11** Calibration Date: **11/16/2020**

Analysis: **QC - 624x/8260x All Cpds fo** Instrument Cal ID: **VK201115S/M/VK201115G.M**

4-Isopropyltoluene

Curve Fit: **AVERAGE RF**

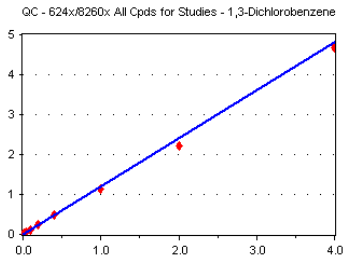


Standard	Concentration	Response	Response Factor	RT
0K14006-CAL1	0.1	2090	2.841	11.69
0K14006-CAL2	0.2	3248	2.207	11.68
0K14006-CAL3	0.4	6055	2.121	11.69
0K14006-CAL4	1	14544	2.070	11.69
0K14006-CAL5	2	30012	2.164	11.69
0K14006-CAL6	5	74639	2.152	11.69
0K14006-CAL7	10	145802	2.150	11.69
0K14006-CAL8	20	286496	2.156	11.69
0K14006-CAL9	50	662180	2.070	11.69
0K14006-CALA	100	1190745	2.020	11.69
0K14006-CALB	200	2241474	2.135	11.69

AVE RF **2.189** RF RSD **10.16** AVE RT **11.69**

1,3-Dichlorobenzene

Curve Fit: **AVERAGE RF**

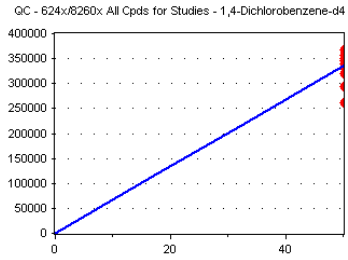


Standard	Concentration	Response	Response Factor	RT
0K14006-CAL1	0.1	1028	1.397	11.75
0K14006-CAL2	0.2	1816	1.234	11.74
0K14006-CAL3	0.4	3380	1.184	11.74
0K14006-CAL4	1	8502	1.210	11.74
0K14006-CAL5	2	17064	1.230	11.74
0K14006-CAL6	5	41352	1.192	11.74
0K14006-CAL7	10	80062	1.180	11.74
0K14006-CAL8	20	158692	1.194	11.74
0K14006-CAL9	50	363697	1.137	11.74
0K14006-CALA	100	654892	1.111	11.74
0K14006-CALB	200	1227652	1.169	11.74

AVE RF **1.204** RF RSD **6.14** AVE RT **11.74**

1,4-Dichlorobenzene-d4 (ISTD)

Curve Fit: **AVERAGE RF**

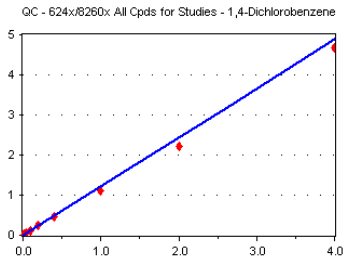


Standard	Concentration	Response	Response Factor	RT
0K14006-CAL1	50	367830	7356.600	11.79
0K14006-CAL2	50	367894	7357.880	11.79
0K14006-CAL3	50	356886	7137.720	11.80
0K14006-CAL4	50	351289	7025.780	11.79
0K14006-CAL5	50	346780	6935.600	11.79
0K14006-CAL6	50	346827	6936.540	11.79
0K14006-CAL7	50	339152	6783.040	11.80
0K14006-CAL8	50	332262	6645.240	11.79
0K14006-CAL9	50	319899	6397.980	11.79
0K14006-CALA	50	294796	5895.920	11.79
0K14006-CALB	50	262477	5249.540	11.79

AVE RF **6701.985** RF RSD **9.58** AVE RT **11.79**

1,4-Dichlorobenzene

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0K14006-CAL1	0.1	1146	1.558	11.81
0K14006-CAL2	0.2	1871	1.271	11.81
0K14006-CAL3	0.4	3719	1.303	11.81
0K14006-CAL4	1	8683	1.236	11.81
0K14006-CAL5	2	15989	1.153	11.81
0K14006-CAL6	5	41302	1.191	11.81
0K14006-CAL7	10	77980	1.150	11.81
0K14006-CAL8	20	156293	1.176	11.81
0K14006-CAL9	50	357946	1.119	11.81
0K14006-CALA	100	650067	1.103	11.81
0K14006-CALB	200	1226500	1.168	11.81

AVE RF **1.221** RF RSD **10.45** AVE RT **11.81**

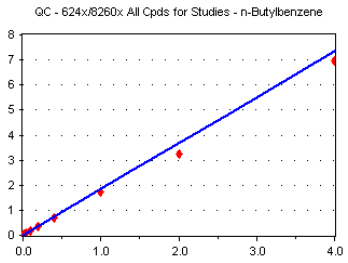
Element Calibration Review Sheet

Calibration ID: **A0K1605** Instrument: **VOA-GCMS11** Calibration Date: **11/16/2020**

Analysis: **QC - 624x/8260x All Cpds fo** Instrument Cal ID: **VK201115S/M/VK201115G.M**

n-Butylbenzene

Curve Fit: **AVERAGE RF**

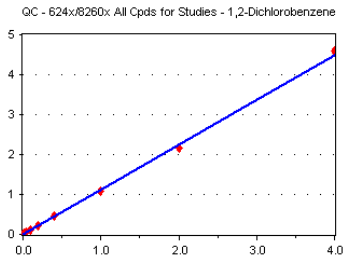


Standard	Concentration	Response	Response Factor	RT
0K14006-CAL1	0.1	1772	2.409	12.01
0K14006-CAL2	0.2	2641	1.795	12.00
0K14006-CAL3	0.4	5652	1.980	12.00
0K14006-CAL4	1	13205	1.880	12.00
0K14006-CAL5	2	24433	1.761	12.00
0K14006-CAL6	5	61041	1.760	12.00
0K14006-CAL7	10	119298	1.759	12.00
0K14006-CAL8	20	234951	1.768	12.00
0K14006-CAL9	50	547751	1.712	12.00
0K14006-CALA	100	961191	1.630	12.00
0K14006-CALB	200	1828026	1.741	12.00

AVE RF **1.836** RF RSD **11.44** AVE RT **12.00**

1,2-Dichlorobenzene

Curve Fit: **AVERAGE RF**

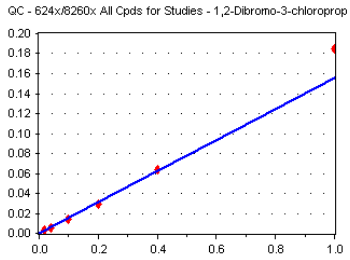


Standard	Concentration	Response	Response Factor	RT
~~0K14006-CAL1~~	~~0.1~~	~~1215~~	~~1.652~~	~~12.12~~
0K14006-CAL2	0.2	1778	1.208	12.12
0K14006-CAL3	0.4	3199	1.120	12.12
0K14006-CAL4	1	7913	1.126	12.12
0K14006-CAL5	2	16199	1.168	12.12
0K14006-CAL6	5	38431	1.108	12.12
0K14006-CAL7	10	73818	1.088	12.12
0K14006-CAL8	20	149717	1.126	12.12
0K14006-CAL9	50	345706	1.081	12.12
0K14006-CALA	100	634732	1.077	12.12
0K14006-CALB	200	1204250	1.147	12.12

AVE RF **1.125** RF RSD **3.65** AVE RT **12.12**

1,2-Dibromo-3-chloropropane

Curve Fit: **AVERAGE RF**

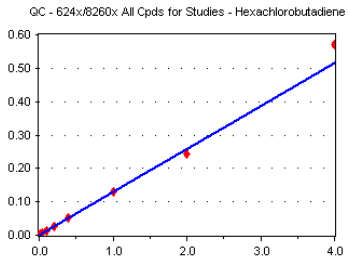


Standard	Concentration	Response	Response Factor	RT
~~0K14006-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K14006-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
~~0K14006-CAL3~~	~~0.4~~	~~0~~	~~0.000~~	~~0.00~~
0K14006-CAL4	1	1029	0.146	12.74
0K14006-CAL5	2	2039	0.147	12.74
0K14006-CAL6	5	5037	0.145	12.74
0K14006-CAL7	10	10058	0.148	12.73
0K14006-CAL8	20	21288	0.160	12.74
0K14006-CAL9	50	59239	0.185	12.74
~~0K14006-CALA~~	~~100~~	~~125715~~	~~0.213~~	~~12.74~~
~~0K14006-CALB~~	~~200~~	~~260212~~	~~0.248~~	~~12.74~~

AVE RF **0.155** RF RSD **10.03** AVE RT **12.74**

Hexachlorobutadiene

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
~~0K14006-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K14006-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
0K14006-CAL3	0.4	360	0.126	13.27
0K14006-CAL4	1	852	0.121	13.27
0K14006-CAL5	2	1781	0.128	13.27
0K14006-CAL6	5	4487	0.129	13.26
0K14006-CAL7	10	8731	0.129	13.27
0K14006-CAL8	20	17114	0.129	13.27
0K14006-CAL9	50	41385	0.129	13.27
0K14006-CALA	100	72071	0.122	13.27
0K14006-CALB	200	149939	0.143	13.27

AVE RF **0.129** RF RSD **4.79** AVE RT **13.27**

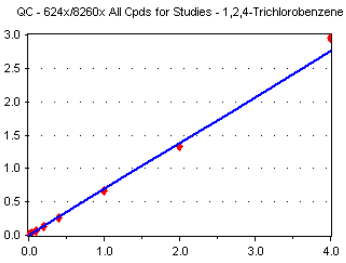
Element Calibration Review Sheet

Calibration ID: **A0K1605** Instrument: **VOA-GCMS11** Calibration Date: **11/16/2020**

Analysis: **QC - 624x/8260x All Cpds fo** Instrument Cal ID: **VK201115S/M/VK201115G.M**

1,2,4-Trichlorobenzene

Curve Fit: **AVERAGE RF**

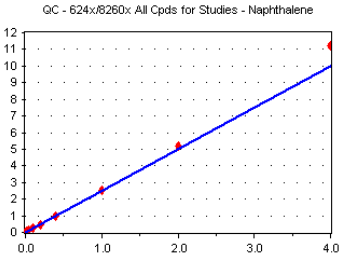


Standard	Concentration	Response	Response Factor	RT
~~0K14006-CAL1~~	~~0.1~~	~~772~~	~~1.049~~	~~13.29~~
0K14006-CAL2	0.2	1214	0.825	13.29
0K14006-CAL3	0.4	2069	0.725	13.29
0K14006-CAL4	1	4635	0.660	13.29
0K14006-CAL5	2	9297	0.670	13.29
0K14006-CAL6	5	22065	0.636	13.29
0K14006-CAL7	10	43853	0.647	13.29
0K14006-CAL8	20	88426	0.665	13.29
0K14006-CAL9	50	211849	0.662	13.29
0K14006-CALA	100	392730	0.666	13.29
0K14006-CALB	200	775861	0.739	13.29

AVE RF **0.689** RF RSD **8.35** AVE RT **13.29**

Naphthalene

Curve Fit: **AVERAGE RF**

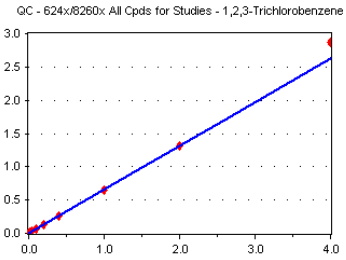


Standard	Concentration	Response	Response Factor	RT
~~0K14006-CAL1~~	~~0.1~~	~~3017~~	~~4.101~~	~~13.56~~
0K14006-CAL2	0.2	4077	2.770	13.56
0K14006-CAL3	0.4	6635	2.324	13.57
0K14006-CAL4	1	16462	2.343	13.57
0K14006-CAL5	2	34131	2.461	13.57
0K14006-CAL6	5	81257	2.343	13.56
0K14006-CAL7	10	162112	2.390	13.57
0K14006-CAL8	20	325652	2.450	13.56
0K14006-CAL9	50	808384	2.527	13.57
0K14006-CALA	100	1525276	2.587	13.57
0K14006-CALB	200	2948679	2.809	13.56

AVE RF **2.500** RF RSD **6.97** AVE RT **13.57**

1,2,3-Trichlorobenzene

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
~~0K14006-CAL1~~	~~0.1~~	~~741~~	~~1.007~~	~~13.73~~
0K14006-CAL2	0.2	1161	0.789	13.73
0K14006-CAL3	0.4	1730	0.606	13.74
0K14006-CAL4	1	4239	0.603	13.73
0K14006-CAL5	2	8782	0.633	13.73
0K14006-CAL6	5	21641	0.624	13.73
0K14006-CAL7	10	42616	0.628	13.73
0K14006-CAL8	20	86172	0.648	13.73
0K14006-CAL9	50	205863	0.644	13.73
0K14006-CALA	100	385558	0.654	13.73
0K14006-CALB	200	754420	0.719	13.73

AVE RF **0.655** RF RSD **8.73** AVE RT **13.73**

Method Path : C:\GCMS\1\methods\
Method File : VK201115S.M
Title : EPA 8260C: Volatile Organic Compounds
Last Update : Sun Nov 15 15:53:18 2020
Response Via : Initial Calibration

11/15/20 TNL

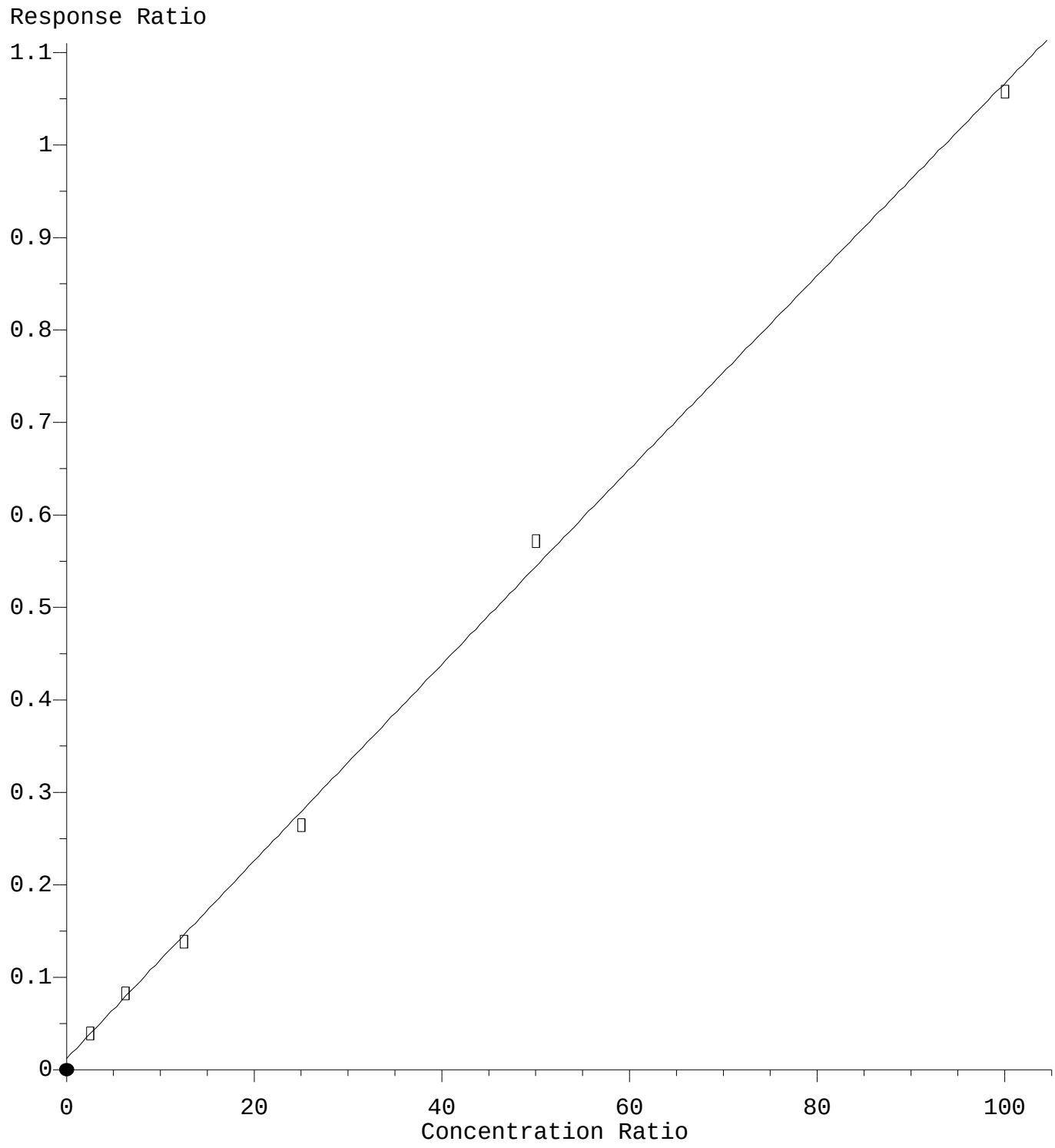
Total Cpnds : 85

PK#		Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1	I	Pentafluorobenzene (I)	99	6.126	1.000	A	2	A	R
2		Dichlorodifluoromethane	85	1.703	0.278	A	2	A	R
3	P	Chloromethane	50	1.909	0.312	A	2	A	R
4	C	Vinyl Chloride	62	2.002	0.327	A	2	A	R
5		Bromomethane	96	2.362	0.386	A	2	A	R
6		Chloroethane	64	2.520	0.411	A	2	A	R
7		Trichlorofluoromethane	101	2.658	0.434	A	2	A	R
8		Ethanol	45	3.438	0.561	Q	1	A	R
9	C	1,1-Dichloroethene	61	3.187	0.520	A	2	A	R
10		Carbon Disulfide	76	3.198	0.522	A	2	A	R
11		Freon 113	101	3.251	0.531	A	2	A	R
12		Iodomethane	142	3.344	0.546	Q	2	A	R
13		Methylene Chloride	84	3.813	0.622	A	2	A	R
14		Acetone	43	3.903	0.637	A	1	A	R
15		t-1,2-Dichloroethene	61	3.986	0.651	A	2	A	R
16		n-Hexane	86	4.087	0.667	A	3	A	R
17		Methyl-tert-butyl-ether	73	4.143	0.676	A	3	A	R
18		tert-Butanol (TBA)	59	4.357	0.711	A	1	A	R
19		Diisopropyl ether (DIPE)	45	4.536	0.740	A	2	A	R
20	P	1,1-Dichloroethane	63	4.615	0.753	A	2	A	R
21		Acrylonitrile	53	4.668	0.762	A	2	A	R
22		Ethyl-tert-butyl ether (ETBE)	59	4.904	0.801	A	2	A	R
23		c-1,2-Dichloroethene	61	5.167	0.843	A	2	A	R
24		2,2-Dichloropropane	77	5.275	0.861	A	2	A	R
25		Bromochloromethane	49	5.361	0.875	A	2	A	R
26	C	Chloroform	83	5.452	0.890	A	2	A	R
27		Carbon Tetrachloride	117	5.601	0.914	A	2	A	R
28		Tetrahydrofuran	42	5.624	0.918	A	2	A	R
29		1,1,1-Trichloroethane	97	5.661	0.924	A	2	A	R
30	S	Dibromofluoromethane (S)	111	5.635	0.920	A	2	A	R
31		1,1-Dichloropropene	75	5.789	0.945	A	2	A	R
32		2-Butanone (MEK)	43	5.777	0.943	A	2	A	R
33		Benzene	78	6.043	0.986	A	2	A	R
34		tert-Amyl methyl ether (TAME)	73	6.190	1.010	A	2	A	R
35		1,2-Dichloroethane (EDC)	62	6.250	1.020	A	2	A	R
36		iso-Butyl Alcohol	43	6.381	1.042	A	2	A	R
37	S	1,4-Difluorobenzene (S)	114	6.692	1.092	A	2	A	R
38		Trichloroethene (TCE)	130	6.670	1.089	A	2	A	R
39		tert-Amyl ethyl ether (TAEE)	59	6.958	1.136	A	2	A	R
40		Dibromomethane	93	7.101	1.159	A	2	A	R
41	C	1,2-Dichloropropane	63	7.210	1.177	A	2	A	R
42		Bromodichloromethane	83	7.281	1.189	A	2	A	R
43	I	Chlorobenzene-d5 (I)	117	9.838	1.000	A	2	A	R
44		c-1,3-Dichloropropene	75	7.996	0.813	A	2	A	R
45	S	Toluene-d8 (S)	98	8.214	0.835	A	2	A	R
46	C	Toluene	91	8.274	0.841	A	2	A	R
47		Tetrachloroethene (PCE)	166	8.724	0.887	A	2	A	R
48		4-Methyl-2-Pentanone (MIBK)	43	8.706	0.885	A	2	A	R
49		t-1,3-Dichloropropene	75	8.746	0.889	A	2	A	R
50		1,1,2-Trichloroethane	97	8.915	0.906	A	2	A	R
51		Dibromochloromethane	129	9.106	0.926	A	2	A	R
52		1,3-Dichloropropane	76	9.192	0.934	A	2	A	R
53		1,2-Dibromoethane (EDB)	107	9.339	0.949	A	2	A	R
54		2-Hexanone	43	9.567	0.972	A	2	A	R
55	P	Chlorobenzene	112	9.849	1.001	A	2	A	R

56	C	Ethylbenzene	91	9.883	1.005	A	2	A	R
57		1,1,1,2-Tetrachloroethane	131	9.920	1.008	A	2	A	R
58		m,p-Xylenes (2)	91	10.025	1.019	A	2	A	R
59		o-Xylene	91	10.404	1.058	A	2	A	R
60		Styrene	104	10.448	1.062	A	2	A	R
61	P	Bromoform	173	10.471	1.064	Q	2	A	R
62		Isopropylbenzene	105	10.677	1.085	A	2	A	R
63	I	1,4-Dichlorobenzene-d4 (I)	152	11.794	1.000	A	2	A	R
64	S	4-Bromofluorobenzene (S)	174	10.910	0.925	A	2	A	R
65		Bromobenzene	156	10.992	0.932	A	2	A	R
66		n-Propylbenzene	91	11.026	0.935	A	2	A	R
67	P	1,1,2,2-Tetrachloroethane	83	11.074	0.939	A	2	A	R
68		2-Chlorotoluene	126	11.142	0.945	A	2	A	R
69		1,3,5-Trimethylbenzene	105	11.179	0.948	A	2	A	R
70		1,2,3-Trichloropropane	110	11.175	0.947	A	2	A	R
71		t-1,4-Dichloro-2-butene	88	11.209	0.950	Q	3	A	R
72		4-Chlorotoluene	91	11.281	0.956	A	2	A	R
73		tert-Butylbenzene	91	11.438	0.970	A	2	A	R
74		1,2,4-Trimethylbenzene	105	11.487	0.974	A	2	A	R
75		sec-Butylbenzene	105	11.577	0.982	A	2	A	R
76		4-Isopropyltoluene	119	11.686	0.991	A	2	A	R
77		1,3-Dichlorobenzene	146	11.746	0.996	A	2	A	R
78		1,4-Dichlorobenzene	146	11.813	1.002	A	2	A	R
79		n-Butylbenzene	91	12.008	1.018	A	2	A	R
80		1,2-Dichlorobenzene	146	12.124	1.028	A	2	A	R
81		1,2-Dibromo-3-Chloropropane	157	12.727	1.079	A	2	A	R
82		Hexachlorobutadiene	223	13.260	1.124	A	3	A	R
83		1,2,4-Trichlorobenzene	180	13.290	1.127	A	2	A	R
84		Naphthalene	128	13.563	1.150	A	2	A	R
85		1,2,3-Trichlorobenzene	180	13.724	1.164	A	2	A	R

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
#Qual = number of qualifiers
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

VK201115S.M Sun Nov 15 16:55:57 2020

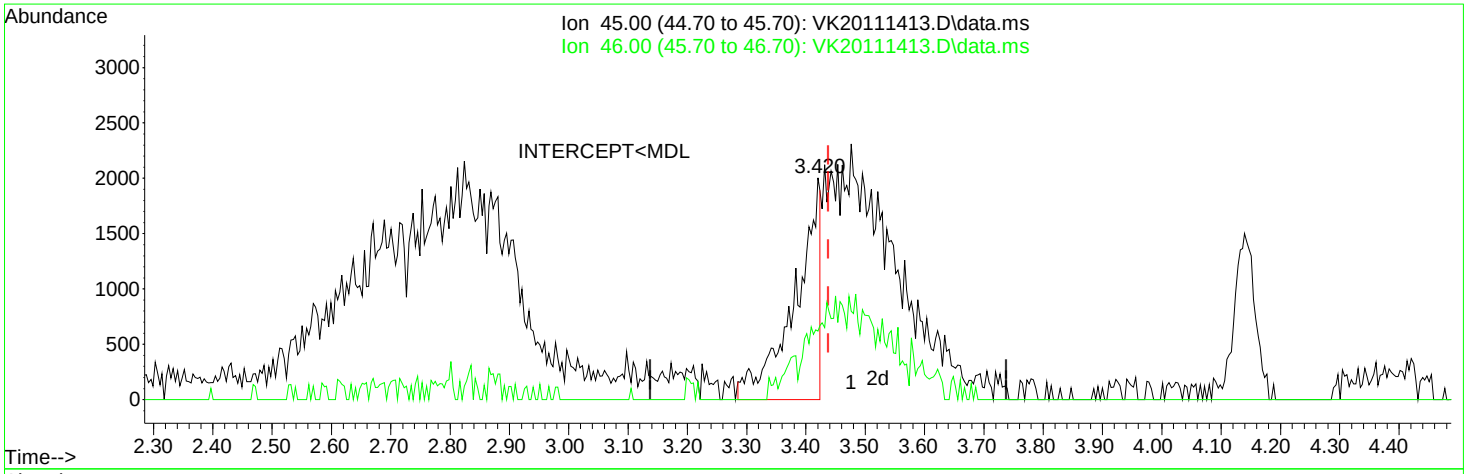


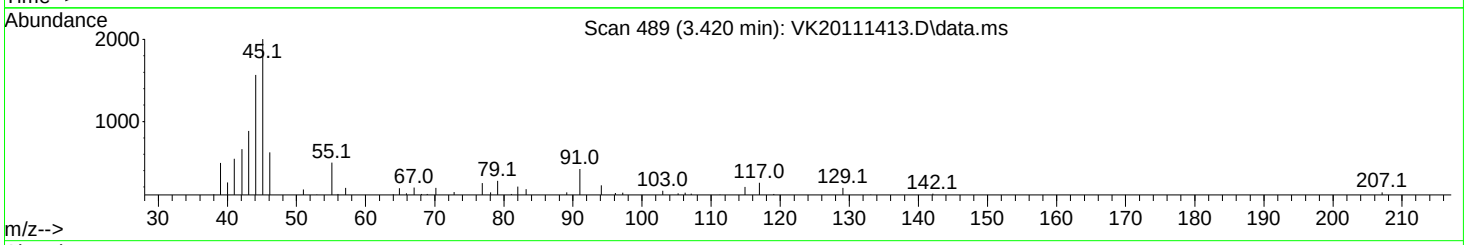
R = -1.75e-006 A*A + 1.07e-002 A + 1.21e-002
Coef of Det (r^2) = 0.998072 Curve Fit: Quadratic w(1/a)
Method Name: C:\GCMS\1\methods\VK201115S.M
Calibration Table Last Updated: Sun Nov 15 16:17:06 2020

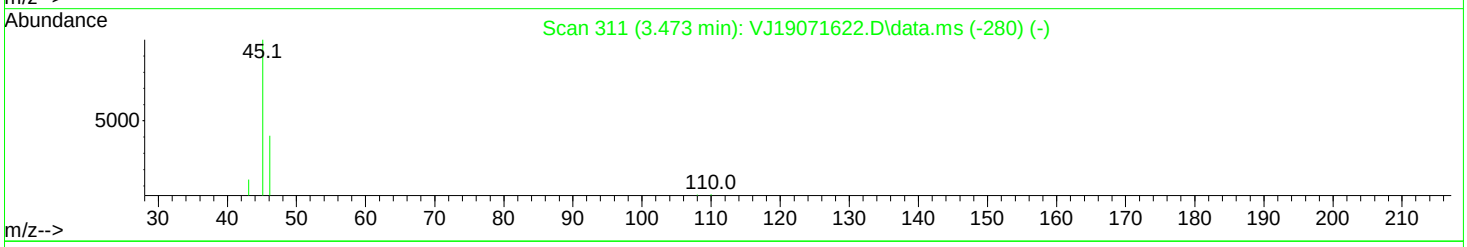
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\REQUANT\
Data File : VK20111413.D
Acq On : 14 Nov 2020 09:10 pm
Operator : TNL
Sample : 0K14006-CAL6
Misc : 1X 5mL DI+MeOH 5 PPB
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 15 16:47:55 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Sun Nov 15 15:53:18 2020
Response via : Initial Calibration







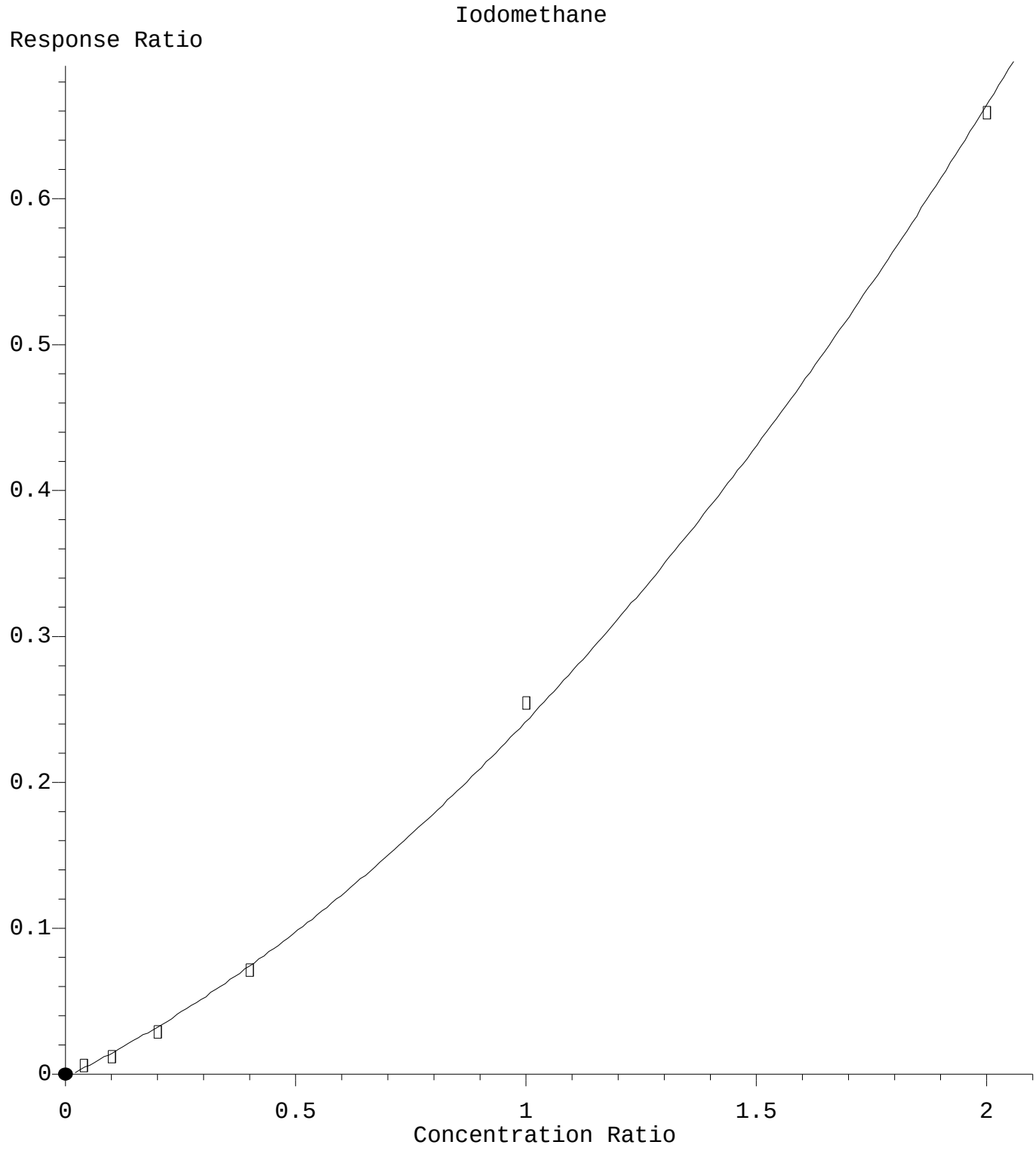
TIC: VK20111413.D\data.ms

(8) Ethanol

3.420min (-0.018) 37.33 ug/L m

response 5888

Ion	Exp%	Act%
45.00	100.00	100.00
46.00	47.50	30.99
0.00	0.00	0.00
0.00	0.00	0.00

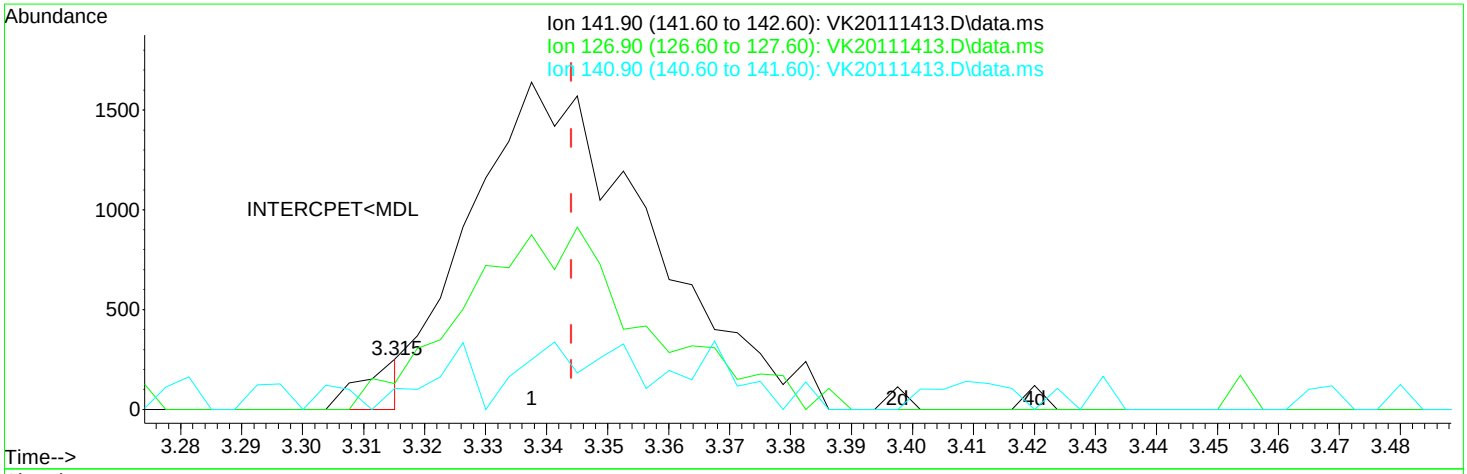


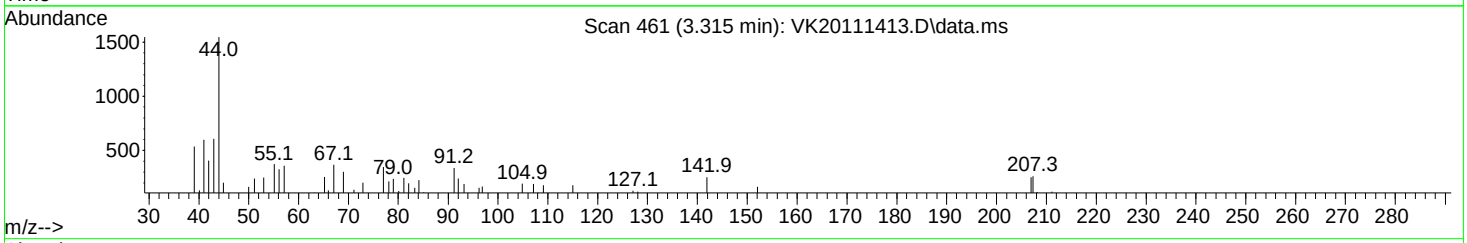
R = 8.93e-002 A*A + 1.54e-001 A - 1.96e-003
Coef of Det (r^2) = 0.998603 Curve Fit: Quadratic w(1/a)
Method Name: C:\GCMS\1\methods\VK201115S.M
Calibration Table Last Updated: Sun Nov 15 16:17:06 2020

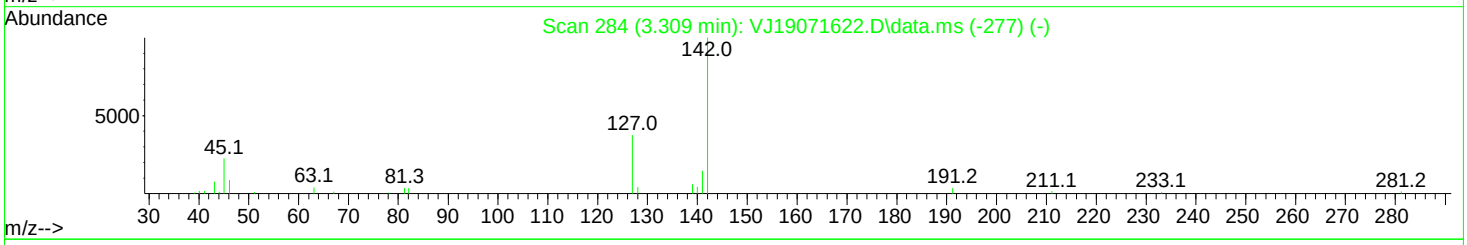
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\REQUANT\
Data File : VK20111413.D
Acq On : 14 Nov 2020 09:10 pm
Operator : TNL
Sample : 0K14006-CAL6
Misc : 1X 5mL DI+MeOH 5 PPB
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 15 16:47:55 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Sun Nov 15 15:53:18 2020
Response via : Initial Calibration







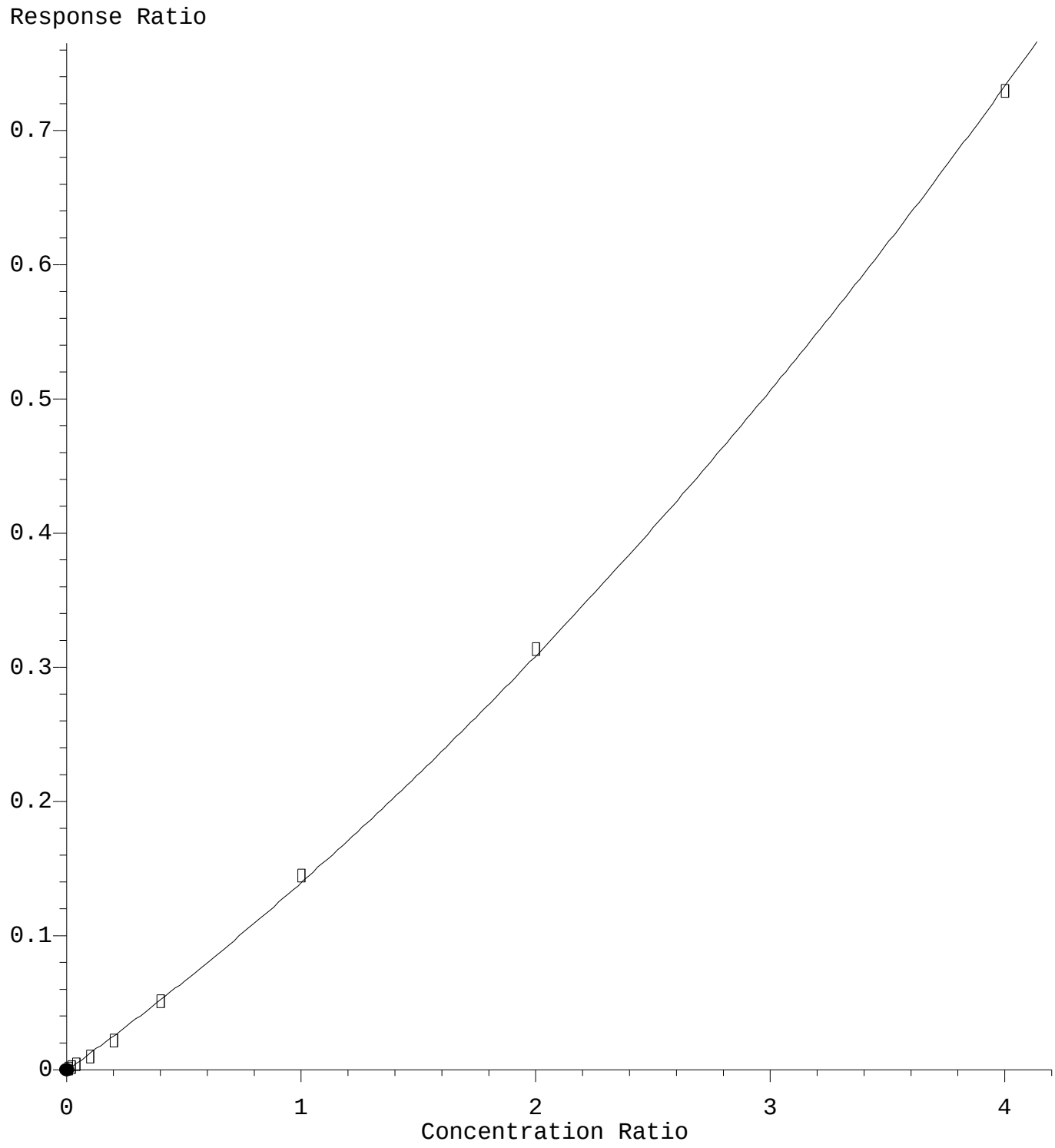
TIC: VK20111413.D\data.ms

(12) Iodomethane

3.315min (-0.029) 0.76 ug/L m

response 120

Ion	Exp%	Act%
141.90	100.00	100.00
126.90	34.80	51.39
140.90	15.30	42.23
0.00	0.00	0.00

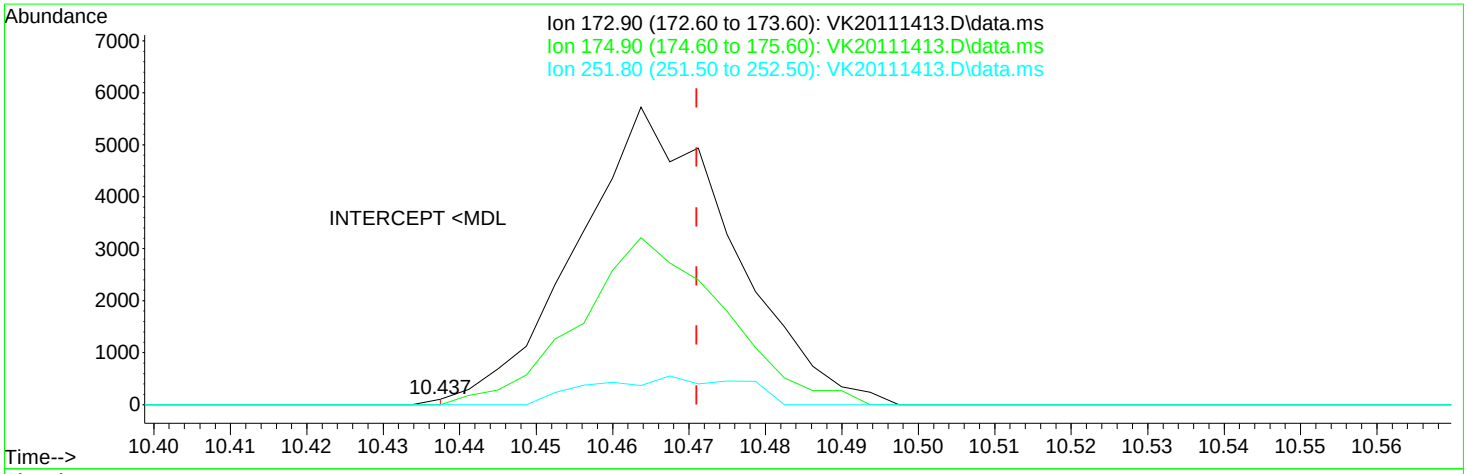


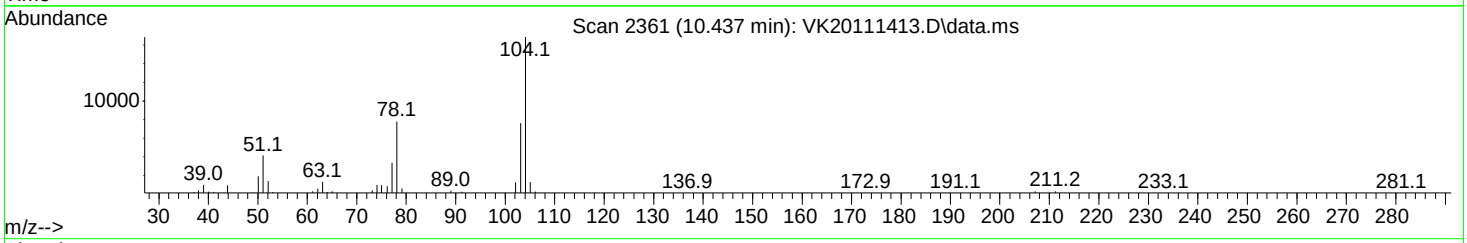
R = 1.45e-002 A*A + 1.26e-001 A - 5.24e-004
Coef of Det (r^2) = 0.999113 Curve Fit: Quadratic w(1/a)
Method Name: C:\GCMS\1\methods\VK201115S.M
Calibration Table Last Updated: Sun Nov 15 16:17:06 2020

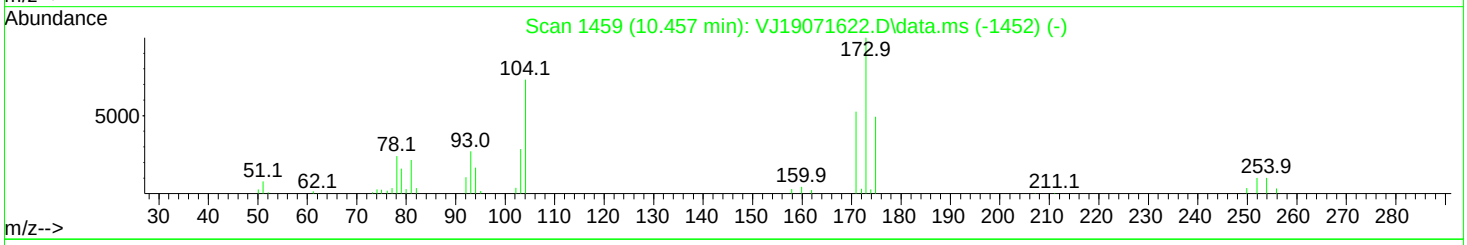
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\REQUANT\
Data File : VK20111413.D
Acq On : 14 Nov 2020 09:10 pm
Operator : TNL
Sample : 0K14006-CAL6
Misc : 1X 5mL DI+MeOH 5 PPB
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 15 16:47:55 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Sun Nov 15 15:53:18 2020
Response via : Initial Calibration







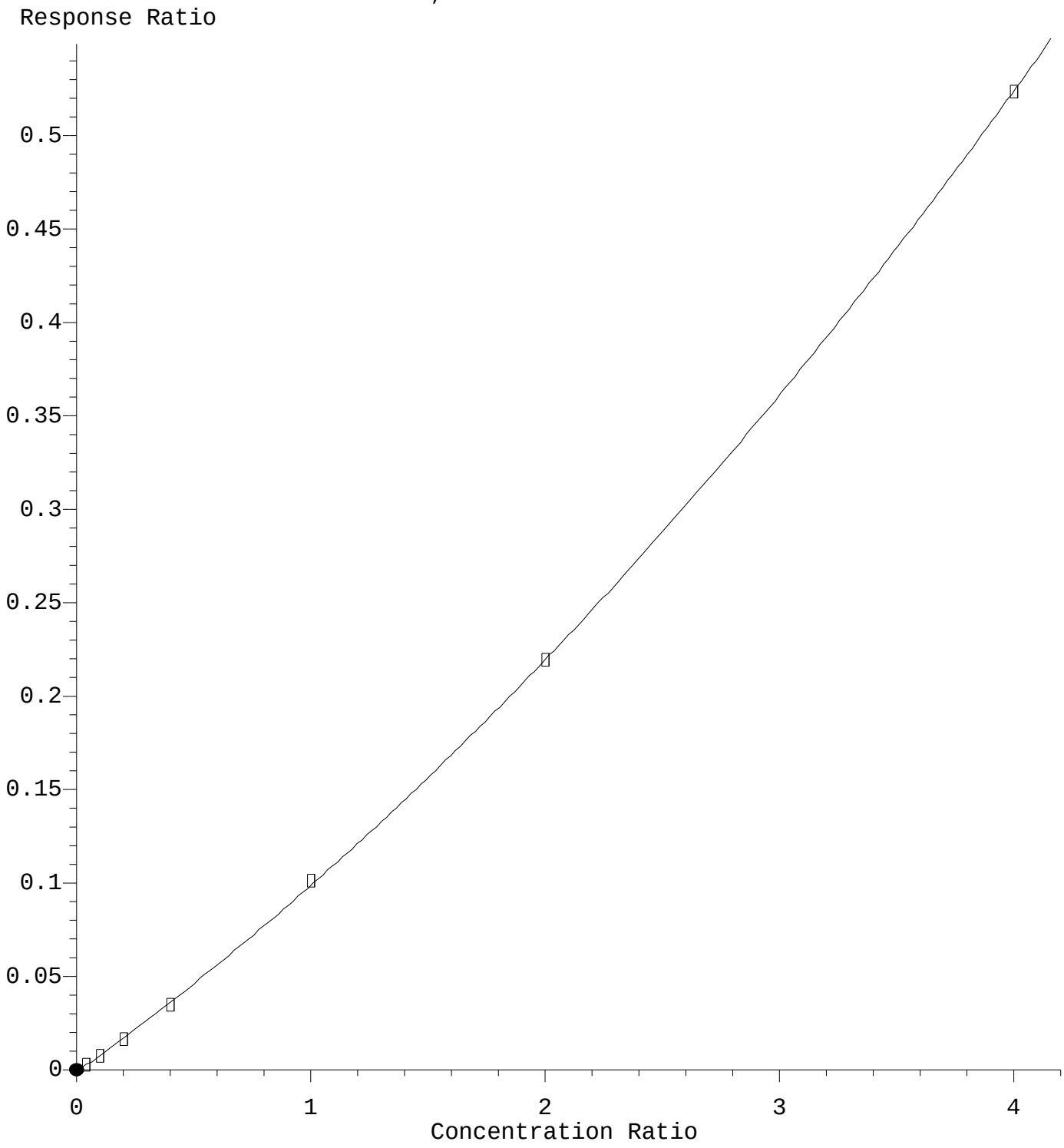
TIC: VK20111413.D\data.ms

(61) Bromoform (P)

10.437min (-0.034) 0.22 ug/L m

response 23

Ion	Exp%	Act%
172.90	100.00	100.00
174.90	48.50	0.00#
251.80	13.90	0.00
0.00	0.00	0.00

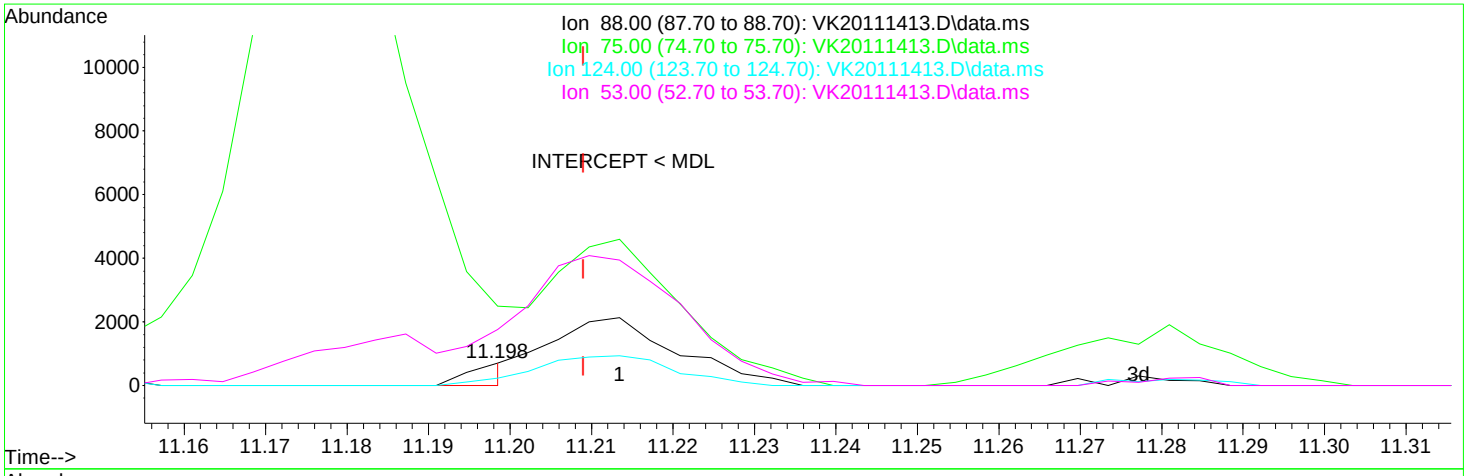


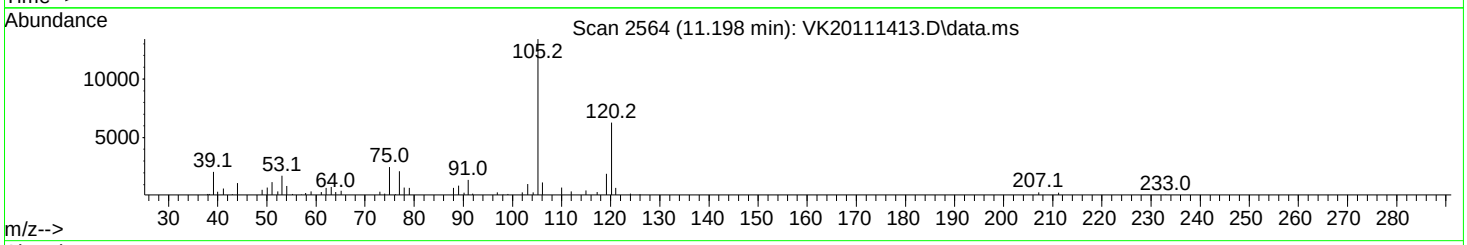
R = 1.05e-002 A*A + 8.94e-002 A - 1.25e-003
Coef of Det (r^2) = 0.999829 Curve Fit: Quadratic w(1/a)
Method Name: C:\GCMS\1\methods\VK201115S.M
Calibration Table Last Updated: Sun Nov 15 16:17:06 2020

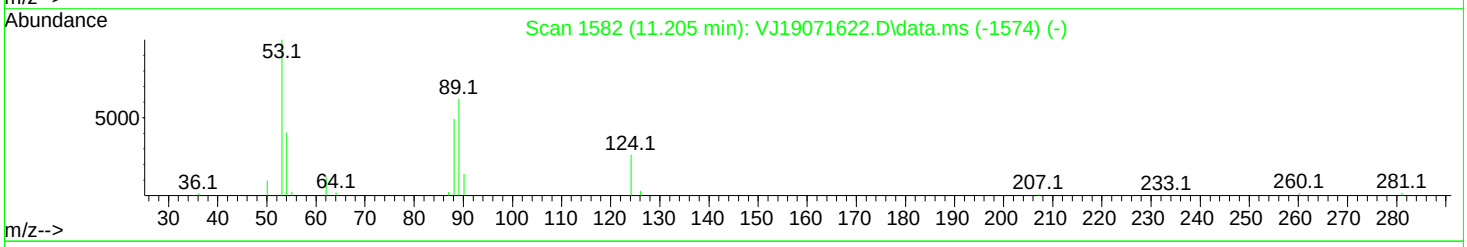
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\REQUANT\
Data File : VK20111413.D
Acq On : 14 Nov 2020 09:10 pm
Operator : TNL
Sample : 0K14006-CAL6
Misc : 1X 5mL DI+MeOH 5 PPB
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 15 16:47:55 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Sun Nov 15 15:53:18 2020
Response via : Initial Calibration







TIC: VK20111413.D\data.ms

(71) t-1,4-Dichloro-2-butene

11.198min (-0.011) 1.10 ug/L m

response 253

Ion	Exp%	Act%
88.00	100.00	100.00
75.00	263.20	354.99#
124.00	63.30	33.05#
53.00	196.80	251.28#

CALIBRATION SEQUENCE REVIEW SHEET

11/15/20 TNL

SEQUENCE: 0K14006

Analysis Included
8260D Oxygenates
QC - 624x/8260x All Cpds for Studies

INSTRUMENT SEQUENCE LOG

SampleID	SampleName	Matrix	STDID	ISTD_ID	Analyzed
0K14006-TUN1	MS Tune	Soil		A20H141	11/14/2020 5:58:00PM
0K14006-ICB1	Initial Cal Blank	Soil		A20H141	11/14/2020 6:26:00PM
0K14006-CAL1	Cal Standard	Soil	A20K242	"	11/14/2020 6:53:00PM
0K14006-CAL2	Cal Standard	Soil	A20K243	"	11/14/2020 7:20:00PM
0K14006-CAL3	Cal Standard	Soil	A20K244	"	11/14/2020 7:47:00PM
0K14006-CAL4	Cal Standard	Soil	A20K245	"	11/14/2020 8:15:00PM
0K14006-CAL5	Cal Standard	Soil	A20K246	"	11/14/2020 8:42:00PM
0K14006-CAL6	Cal Standard	Soil	A20K247	"	11/14/2020 9:10:00PM
0K14006-CAL7	Cal Standard	Soil	A20K248	"	11/14/2020 9:37:00PM
0K14006-CAL8	Cal Standard	Soil	A20K249	"	11/14/2020 10:04:00PM
0K14006-CAL9	Cal Standard	Soil	A20K162	"	11/14/2020 10:32:00PM
0K14006-CALA	Cal Standard	Soil	A20K163	"	11/14/2020 11:26:00PM
0K14006-CALB	Cal Standard	Soil	A20K164	"	11/14/2020 11:54:00PM
0K14006-ICV1	Initial Cal Check	Soil	A20K165	"	11/15/2020 1:16:00AM

CALIBRATION STANDARD RECOVERIES

Calibration: **A0K1605** Instrument: **VOA-GCMS11**

8260D Oxygenates Sequence: **0K14006** Matrix: **Soil**

0K14006-CAL1	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
0K14006-CAL2	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
0K14006-CAL3	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
0K14006-CAL4	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
0K14006-CAL5	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
0K14006-CAL6	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
0K14006-CAL7	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
0K14006-CAL8	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
0K14006-CAL9	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
0K14006-CALA	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
0K14006-CALB	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0K14006

Compounds listed above have recalculated recoveries outside 70-130% of the true values, and the calibration levels are above the reporting level. If no compounds are listed, all are OK. Please see the next section for quadatic fit compounds.

Analytes With Quadratic Curve Fits

Qualifier	iMDL	iMRL	Spike Amt	%Difference	OK?	Raise MRL to ?
				_____	☐	☐ _____

Analytes listed above have quadratic curve fits. If they are using a weighting otpion, they must be checked against the requanted curve points to determine if the recalculated results are within limits (70-130 or as specified).

ICV RECOVERIES

Calibration: **A0K1605** Instrument: **VOA-GCMS11**

QC - 624x/8260x All Cpds for Sequence: **0K14006** Matrix: **Soil**

0K14006-ICV1	**Inst. MRL**	**ICV Level**	**Result**	**%Rec.**	**Qual**

Compounds listed above have Initial Calibration Verification standard recoveries outside 70-130% of the true values. If no compounds are listed, all have passing recoveries.

Evaluate Continuing Calibration Report

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111422.D
Acq On : 15 Nov 2020 01:16 am
Operator : TNL
Sample : 0K14006-ICV1
Misc : 1X 5mL DI+MeOH 20-40PPB VOCRO
ALS Vial : 17 Sample Multiplier: 1

11/15/20 TNL

Quant Time: Nov 15 17:12:40 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Sun Nov 15 15:53:18 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene (I)	50.000	50.000	0.0	92	0.00
2		Dichlorodifluoromethane	20.000	25.581	-27.9#	125	0.00
3	P	Chloromethane	20.000	21.318	-6.6	109	0.00
4	C	Vinyl Chloride	20.000	19.102	4.5	99	0.00
5		Bromomethane	20.000	21.998	-10.0	100	0.00
6		Chloroethane	20.000	19.140	4.3	101	-0.01
7		Trichlorofluoromethane	20.000	20.238	-1.2	101	0.00
8		Ethanol	1250.000	1366.396	-9.3	106	0.02
9	C	1,1-Dichloroethene	20.000	18.311	8.4	71	0.00
10		Carbon Disulfide	20.000	17.352	13.2	69	0.00
11		Freon 113	20.000	19.303	3.5	82	0.00
12		Iodomethane	20.000	19.073	4.6	91	-0.01
13		Methylene Chloride	20.000	20.588	-2.9	92	0.00
14		Acetone	40.000	39.094	2.3	96	0.00
15		t-1,2-Dichloroethene	20.000	18.747	6.3	89	0.00
16		n-Hexane	20.000	19.321	3.4	86	0.00
17		Methyl-tert-butyl-ether	20.000	18.466	7.7	91	0.00
18		tert-Butanol (TBA)	1250.000	1229.957	1.6	100	0.01
19		Diisopropyl ether (DIPE)	5.000	5.169	-3.4	96	0.00
20	P	1,1-Dichloroethane	20.000	19.059	4.7	90	0.00
21		Acrylonitrile	20.000	19.012	4.9	94	0.00
22		Ethyl-tert-butyl ether (ETB	5.000	5.009	-0.2	97	0.00
23		c-1,2-Dichloroethene	20.000	19.364	3.2	91	0.00
24		2,2-Dichloropropane	20.000	18.048	9.8	90	0.00
25		Bromochloromethane	20.000	19.513	2.4	90	0.00
26	C	Chloroform	20.000	18.613	6.9	90	0.00
27		Carbon Tetrachloride	20.000	19.295	3.5	93	0.00
28		Tetrahydrofuran	20.000	19.700	1.5	93	0.00
29		1,1,1-Trichloroethane	20.000	19.151	4.2	89	0.00
30	S	Dibromofluoromethane (S)	50.000	51.252	-2.5	93	0.00
31		1,1-Dichloropropene	20.000	19.295	3.5	91	0.00
32		2-Butanone (MEK)	40.000	41.243	-3.1	95	0.00
33		Benzene	20.000	18.678	6.6	89	0.00
34		tert-Amyl methyl ether (TAM	5.000	4.711	5.8	93	0.00
35		1,2-Dichloroethane (EDC)	20.000	19.266	3.7	89	0.00
36		iso-Butyl Alcohol	500.000	477.193	4.6	94	-0.03
37	S	1,4-Difluorobenzene (S)	50.000	49.323	1.4	92	0.00
38		Trichloroethene (TCE)	20.000	19.188	4.1	89	0.00
39		tert-Amyl ethyl ether (TAEE	5.000	5.202	-4.0	103	-0.01
40		Dibromomethane	20.000	18.737	6.3	90	0.00
41	C	1,2-Dichloropropane	20.000	18.959	5.2	88	0.00
42		Bromodichloromethane	20.000	19.652	1.7	92	0.01
43		Chlorobenzene-d5 (I)	50.000	50.000	0.0	91	0.00
44		c-1,3-Dichloropropene	20.000	19.749	1.3	88	0.00
45	S	Toluene-d8 (S)	50.000	49.767	0.5	91	0.00

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111422.D
Acq On : 15 Nov 2020 01:16 am
Operator : TNL
Sample : 0K14006-ICV1
Misc : 1X 5mL DI+MeOH 20-40PPB VOCRO
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 15 17:12:40 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Sun Nov 15 15:53:18 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
46	C	Toluene	20.000	18.633	6.8	90	0.00
47		Tetrachloroethene (PCE)	20.000	19.212	3.9	88	0.00
48		4-Methyl-2-Pentanone (MIBK)	40.000	38.641	3.4	94	0.00
49		t-1,3-Dichloropropene	20.000	20.303	-1.5	90	0.00
50		1,1,2-Trichloroethane	20.000	18.572	7.1	89	0.00
51		Dibromochloromethane	20.000	22.500	-12.5	91	0.00
52		1,3-Dichloropropane	20.000	19.466	2.7	90	0.00
53		1,2-Dibromoethane (EDB)	20.000	19.969	0.2	89	0.00
54		2-Hexanone	40.000	39.669	0.8	93	0.00
55	P	Chlorobenzene	20.000	19.155	4.2	90	0.00
56	C	Ethylbenzene	20.000	19.234	3.8	91	0.00
57		1,1,1,2-Tetrachloroethane	20.000	20.651	-3.3	92	0.00
58		m,p-Xylenes (2)	40.000	38.392	4.0	91	0.00
59		o-Xylene	20.000	18.894	5.5	91	0.00
60		Styrene	20.000	20.541	-2.7	92	0.00
61	P	Bromoform	20.000	19.969	0.2	93	0.00
62		Isopropylbenzene	20.000	19.286	3.6	91	0.00
63	I	1,4-Dichlorobenzene-d4 (I)	50.000	50.000	0.0	92	0.00
64	S	4-Bromofluorobenzene (S)	50.000	49.392	1.2	90	0.00
65		Bromobenzene	20.000	19.475	2.6	91	0.00
66		n-Propylbenzene	20.000	19.058	4.7	92	0.00
67	P	1,1,2,2-Tetrachloroethane	20.000	19.866	0.7	96	0.00
68		2-Chlorotoluene	20.000	19.958	0.2	90	0.00
69		1,3,5-Trimethylbenzene	20.000	18.861	5.7	90	0.00
70		1,2,3-Trichloropropane	20.000	19.830	0.9	93	0.00
71		t-1,4-Dichloro-2-butene	20.000	19.815	0.9	95	0.00
72		4-Chlorotoluene	20.000	18.980	5.1	91	0.00
73		tert-Butylbenzene	20.000	18.859	5.7	92	0.00
74		1,2,4-Trimethylbenzene	20.000	18.769	6.2	91	0.00
75		sec-Butylbenzene	20.000	19.395	3.0	92	0.00
76		4-Isopropyltoluene	20.000	19.472	2.6	91	0.00
77		1,3-Dichlorobenzene	20.000	19.549	2.3	91	0.00
78		1,4-Dichlorobenzene	20.000	19.104	4.5	91	0.00
79		n-Butylbenzene	20.000	18.884	5.6	90	0.00
80		1,2-Dichlorobenzene	20.000	19.681	1.6	90	0.00
81		1,2-Dibromo-3-Chloropropane	20.000	21.754	-8.8	97	0.00
82		Hexachlorobutadiene	20.000	19.825	0.9	91	0.00
83		1,2,4-Trichlorobenzene	20.000	19.022	4.9	91	0.00
84		Naphthalene	20.000	19.601	2.0	92	0.00
85		1,2,3-Trichlorobenzene	20.000	19.452	2.7	90	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Method Path : C:\GCMS\1\methods\
Method File : VK201115G.M
Title : NWTPH-Gx by GC/MS
Last Update : Sun Nov 15 16:34:17 2020
Response Via : Initial Calibration

11/15/20 TNL

#	ID	Conc	ISTD Conc	Path\File
1	50	50	50	C:\GCMS\1\data\2020-11\0K14006\VK20111427.D
2	100	100	50	C:\GCMS\1\data\2020-11\0K14006\VK20111428.D
3	250	250	50	C:\GCMS\1\data\2020-11\0K14006\VK20111429.D
4	500	500	50	C:\GCMS\1\data\2020-11\0K14006\VK20111430.D
5	1000	1000	50	C:\GCMS\1\data\2020-11\0K14006\VK20111431.D
6	2500	2500	50	C:\GCMS\1\data\2020-11\0K14006\VK20111432.D
7	5000	5000	50	C:\GCMS\1\data\2020-11\0K14006\VK20111433.D
8	10K	10000	50	C:\GCMS\1\data\2020-11\0K14006\VK20111434.D

#	ID	Update Time	Quant Time	Acquisition Time
1	50	Nov 15 16:34 2020	Nov 15 16:26 2020	15 Nov 2020 03:33 am
2	100	Nov 15 16:34 2020	Nov 15 16:27 2020	15 Nov 2020 04:00 am
3	250	Nov 15 16:34 2020	Nov 15 16:28 2020	15 Nov 2020 04:28 am
4	500	Nov 15 16:34 2020	Nov 15 16:29 2020	15 Nov 2020 04:55 am
5	1000	Nov 15 16:34 2020	Nov 15 16:31 2020	15 Nov 2020 05:22 am
6	2500	Nov 15 16:34 2020	Nov 15 16:31 2020	15 Nov 2020 05:49 am
7	5000	Nov 15 16:34 2020	Nov 15 16:31 2020	15 Nov 2020 06:17 am
8	10K	Nov 15 16:34 2020	Nov 15 16:32 2020	15 Nov 2020 06:44 am

VK201115G.M Sun Nov 15 17:02:48 2020

Response Factor Report VOA-GCMS11

Method Path : C:\GCMS\1\methods\
Method File : VK201115G.M
Title : NWTPH-Gx by GC/MS
Last Update : Sun Nov 15 16:34:17 2020
Response Via : Initial Calibration

Calibration Files
50 =VK20111427.D 100 =VK20111428.D 250 =VK20111429.D 500 =VK20111430.D 1000=VK20111431.D 2500=VK20111432.D 5000=VK20111433.D
10K =VK20111434.D

	Compound	50	100	250	500	1000	2500	5000	10K	Avg	%RSD
1) I	Pentafluorobenzene...	----------	ISTD	----------							
2) S	1,4-Difluorobe...	1.813	1.828	1.805	1.814	1.837	1.804	1.795	1.776	1.809	1.05
3) S	4-Bromofluorob...	0.544	0.542	0.539	0.533	0.541	0.541	0.543	0.515	0.537	1.79
4) H	NWTPH-Gx (TPH)	2.251	1.630	1.639	1.513	1.491	1.482	1.507	1.511	1.628	15.92
5) H	TPHg (C5-C9)	3.851	2.979	2.093	1.727	1.634	1.551	1.544	1.571	2.119	40.22
6) H	TPHg (C6-C10)	3.622	2.366	1.892	1.587	1.501	1.415	1.407	1.428	1.902	40.44
7) H	CA-LUFT (C5-C12)	4.531	3.412	2.545	2.157	2.045	1.964	1.969	1.982	2.576	36.18
8)	Benzene (NR)									0.000	-1.00
9) S	Toluene-d8 (NR)									0.000	-1.00
10)	Toluene (NR)									0.000	-1.00
11) S	Chlorobenzene-...									0.000	-1.00
12) S	1,4-Dichlorobe...									0.000	-1.00
13)	Naphthalene (NR)									0.000	-1.00

(#) = Out of Range

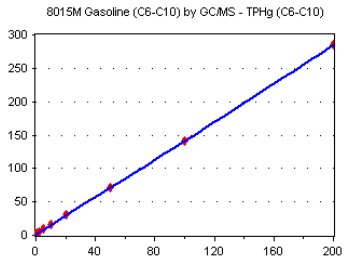
Element Calibration Review Sheet

Calibration ID: **A0K1605** Instrument: **VOA-GCMS11** Calibration Date: **11/16/2020**

Analysis: **8015M Gasoline (C6-C10) by** Instrument Cal ID: **VK201115S/M/VK201115G.M**

TPHg (C6-C10)

Curve Fit: **QUADRATIC: Weighting: (1/a), Origin: Ignore**

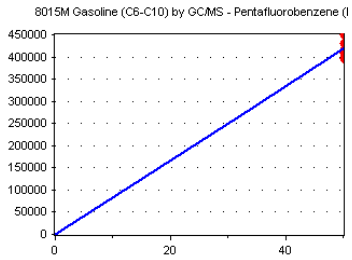


Standard	Concentration	Response	Response Factor	RT
0K14006-CALC	50	1488362	3.622	0.00
0K14006-CALD	100	2127574	2.366	0.00
0K14006-CALE	250	3937759	1.892	0.00
0K14006-CALF	500	6501891	1.587	0.00
0K14006-CALG	1000	1.290065E+07	1.501	0.00
0K14006-CALH	2500	2.919647E+07	1.415	0.00
0K14006-CALI	5000	5.568048E+07	1.407	0.00
0K14006-CALJ	10000	1.17816E+08	1.428	0.00

AVE RF **1.902** RF RSD **40.44** AVE RT **0.00**

Pentafluorobenzene (IS)

Curve Fit: **AVERAGE RF**

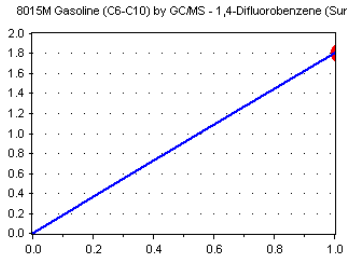


Standard	Concentration	Response	Response Factor	RT
0K14006-CALC	50	410888	8217.760	6.13
0K14006-CALD	50	449696	8993.920	6.13
0K14006-CALE	50	416340	8326.800	6.13
0K14006-CALF	50	409667	8193.340	6.13
0K14006-CALG	50	429868	8597.360	6.12
0K14006-CALH	50	412796	8255.920	6.13
0K14006-CALI	50	395684	7913.680	6.13
0K14006-CALJ	50	412519	8250.380	6.12

AVE RF **8343.645** RF RSD **3.86** AVE RT **6.13**

1,4-Difluorobenzene (Sur)

Curve Fit: **AVERAGE RF**

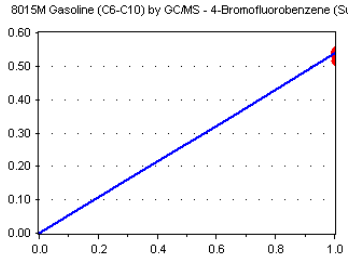


Standard	Concentration	Response	Response Factor	RT
0K14006-CALC	50	744789	1.813	6.69
0K14006-CALD	50	821939	1.828	6.69
0K14006-CALE	50	751378	1.805	6.69
0K14006-CALF	50	742990	1.814	6.69
0K14006-CALG	50	789672	1.837	6.69
0K14006-CALH	50	744795	1.804	6.69
0K14006-CALI	50	710140	1.795	6.69
0K14006-CALJ	50	732431	1.776	6.69

AVE RF **1.809** RF RSD **1.05** AVE RT **6.69**

4-Bromofluorobenzene (Sur)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0K14006-CALC	50	223649	0.544	10.91
0K14006-CALD	50	243531	0.542	10.91
0K14006-CALE	50	224571	0.539	10.91
0K14006-CALF	50	218535	0.533	10.91
0K14006-CALG	50	232686	0.541	10.91
0K14006-CALH	50	223348	0.541	10.91
0K14006-CALI	50	214793	0.543	10.91
0K14006-CALJ	50	212433	0.515	10.91

AVE RF **0.537** RF RSD **1.79** AVE RT **10.91**

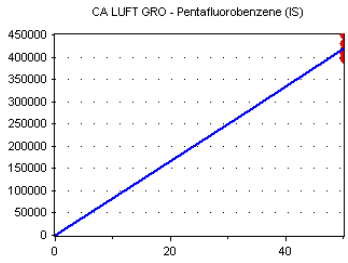
Element Calibration Review Sheet

Calibration ID: **A0K1605** Instrument: **VOA-GCMS11** Calibration Date: **11/16/2020**

Analysis: **CA LUFT GRO** Instrument Cal ID: **VK201115S/M/VK201115G.M**

Pentafluorobenzene (IS)

Curve Fit: **AVERAGE RF**

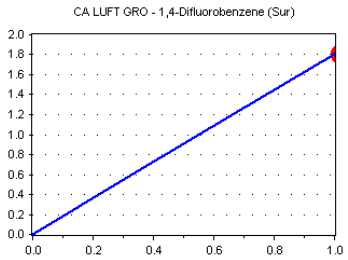


Standard	Concentration	Response	Response Factor	RT
0K14006-CALC	50	410888	8217.760	6.13
0K14006-CALD	50	449696	8993.920	6.13
0K14006-CALE	50	416340	8326.800	6.13
0K14006-CALF	50	409667	8193.340	6.13
0K14006-CALG	50	429868	8597.360	6.12
0K14006-CALH	50	412796	8255.920	6.13
0K14006-CALI	50	395684	7913.680	6.13
0K14006-CALJ	50	412519	8250.380	6.12

AVE RF **8343.645** RF RSD **3.86** AVE RT **6.13**

1,4-Difluorobenzene (Sur)

Curve Fit: **AVERAGE RF**

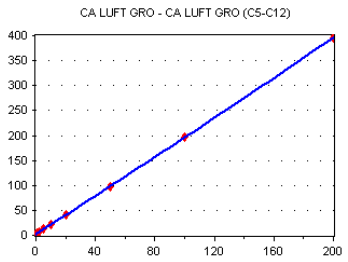


Standard	Concentration	Response	Response Factor	RT
0K14006-CALC	50	744789	1.813	6.69
0K14006-CALD	50	821939	1.828	6.69
0K14006-CALE	50	751378	1.805	6.69
0K14006-CALF	50	742990	1.814	6.69
0K14006-CALG	50	789672	1.837	6.69
0K14006-CALH	50	744795	1.804	6.69
0K14006-CALI	50	710140	1.795	6.69
0K14006-CALJ	50	732431	1.776	6.69

AVE RF **1.809** RF RSD **1.05** AVE RT **6.69**

CA LUFT GRO (C5-C12)

Curve Fit: **QUADRATIC: Weighting: (1/a), Origin: Ignore**

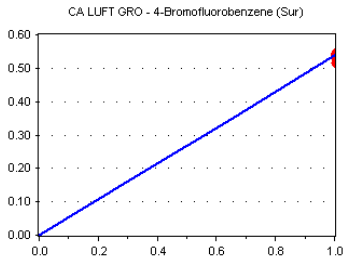


Standard	Concentration	Response	Response Factor	RT
0K14006-CALC	50	1861761	4.531	9.88
0K14006-CALD	100	3068936	3.412	9.88
0K14006-CALE	250	5298645	2.545	9.88
0K14006-CALF	500	8835761	2.157	9.88
0K14006-CALG	1000	1.757969E+07	2.045	9.88
0K14006-CALH	2500	4.053786E+07	1.964	9.88
0K14006-CALI	5000	7.790114E+07	1.969	9.88
0K14006-CALJ	10000	1.634916E+08	1.982	9.88

AVE RF **2.576** RF RSD **36.18** AVE RT **9.88**

4-Bromofluorobenzene (Sur)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0K14006-CALC	50	223649	0.544	10.91
0K14006-CALD	50	243531	0.542	10.91
0K14006-CALE	50	224571	0.539	10.91
0K14006-CALF	50	218535	0.533	10.91
0K14006-CALG	50	232686	0.541	10.91
0K14006-CALH	50	223348	0.541	10.91
0K14006-CALI	50	214793	0.543	10.91
0K14006-CALJ	50	212433	0.515	10.91

AVE RF **0.537** RF RSD **1.79** AVE RT **10.91**

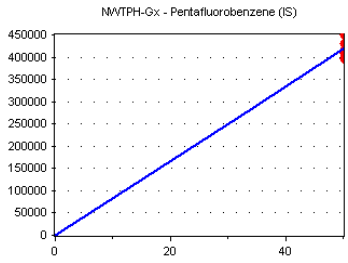
Element Calibration Review Sheet

Calibration ID: **A0K1605** Instrument: **VOA-GCMS11** Calibration Date: **11/16/2020**

Analysis: **NWTPH-Gx** Instrument Cal ID: **VK201115S/M/VK201115G.M**

Pentafluorobenzene (IS)

Curve Fit: **AVERAGE RF**

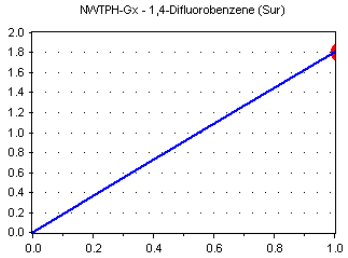


Standard	Concentration	Response	Response Factor	RT
0K14006-CALC	50	410888	8217.760	6.13
0K14006-CALD	50	449696	8993.920	6.13
0K14006-CALE	50	416340	8326.800	6.13
0K14006-CALF	50	409667	8193.340	6.13
0K14006-CALG	50	429868	8597.360	6.12
0K14006-CALH	50	412796	8255.920	6.13
0K14006-CALI	50	395684	7913.680	6.13
0K14006-CALJ	50	412519	8250.380	6.12

AVE RF **8343.645** RF RSD **3.86** AVE RT **6.13**

1,4-Difluorobenzene (Sur)

Curve Fit: **AVERAGE RF**

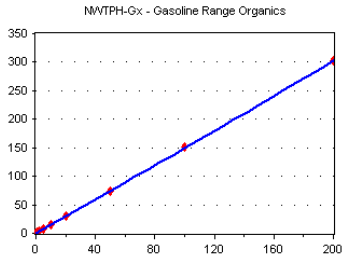


Standard	Concentration	Response	Response Factor	RT
0K14006-CALC	50	744789	1.813	6.69
0K14006-CALD	50	821939	1.828	6.69
0K14006-CALE	50	751378	1.805	6.69
0K14006-CALF	50	742990	1.814	6.69
0K14006-CALG	50	789672	1.837	6.69
0K14006-CALH	50	744795	1.804	6.69
0K14006-CALI	50	710140	1.795	6.69
0K14006-CALJ	50	732431	1.776	6.69

AVE RF **1.809** RF RSD **1.05** AVE RT **6.69**

Gasoline Range Organics

Curve Fit: **QUADRATIC: Weighting: (1/a), Origin: Ignore**

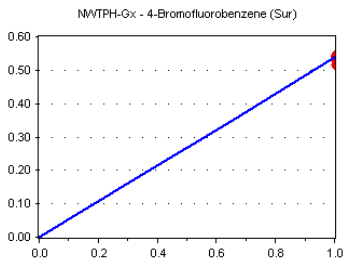


Standard	Concentration	Response	Response Factor	RT
0K14006-CALC	50	925061	2.251	9.88
0K14006-CALD	100	1466111	1.630	9.88
0K14006-CALE	250	3412685	1.639	9.88
0K14006-CALF	500	6198326	1.513	9.88
0K14006-CALG	1000	1.281676E+07	1.491	9.88
0K14006-CALH	2500	3.057809E+07	1.482	9.88
0K14006-CALI	5000	5.963992E+07	1.507	9.88
0K14006-CALJ	10000	1.246868E+08	1.511	9.88

AVE RF **1.628** RF RSD **15.92** AVE RT **9.88**

4-Bromofluorobenzene (Sur)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0K14006-CALC	50	223649	0.544	10.91
0K14006-CALD	50	243531	0.542	10.91
0K14006-CALE	50	224571	0.539	10.91
0K14006-CALF	50	218535	0.533	10.91
0K14006-CALG	50	232686	0.541	10.91
0K14006-CALH	50	223348	0.541	10.91
0K14006-CALI	50	214793	0.543	10.91
0K14006-CALJ	50	212433	0.515	10.91

AVE RF **0.537** RF RSD **1.79** AVE RT **10.91**

Compound List Report VOA-GCMS11

Method Path : C:\GCMS\1\methods\
Method File : VK201115G.M
Title : NWTPH-Gx by GC/MS
Last Update : Sun Nov 15 16:34:17 2020
Response Via : Initial Calibration

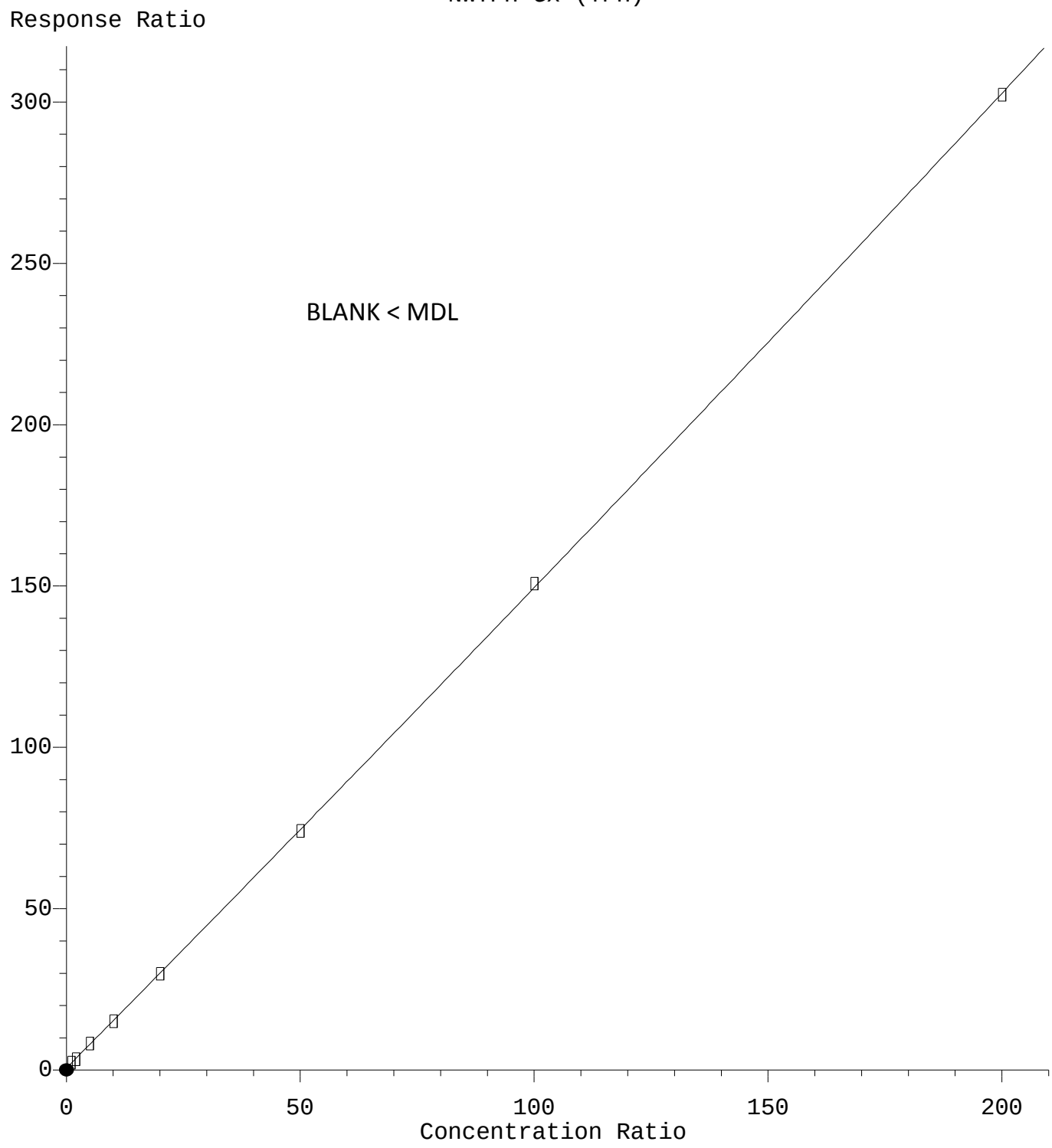
11/15/20 TNL

Total Cpnds : 13

PK#		Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1	I	Pentafluorobenzene (IS)	168	6.127	1.000	A	2	A	B
2	S	1,4-Difluorobenzene (Sur)	114	6.689	1.092	A	2	A	B
3	S	4-Bromofluorobenzene (Sur)	174	10.910	1.781	A	2	A	B
4	H	NWTPH-Gx (TPH)	TIC	9.883	1.613	Q	0	A	B
5	H	TPHg (C5-C9)	TIC	9.883	1.613	Q	0	A	B
6	H	TPHg (C6-C10)	TIC	9.883	1.613	Q	0	A	B
7	H	CA-LUFT (C5-C12)	TIC	9.883	1.613	Q	0	A	B
8		Benzene (NR)	78	6.040	0.986	A	2	A	B
9	S	Toluene-d8 (NR)	98	8.215	1.341	A	2	A	B
10		Toluene (NR)	91	8.271	1.350	A	2	A	B
11	S	Chlorobenzene-d5 (NR)	117	9.838	1.606	A	2	A	B
12	S	1,4-Dichlorobenzene-d4 (NR)	150	11.794	1.925	A	2	A	B
13		Naphthalene (NR)	128	13.568	2.215	A	2	A	B

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
#Qual = number of qualifiers
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

VK201115G.M Sun Nov 15 17:03:35 2020

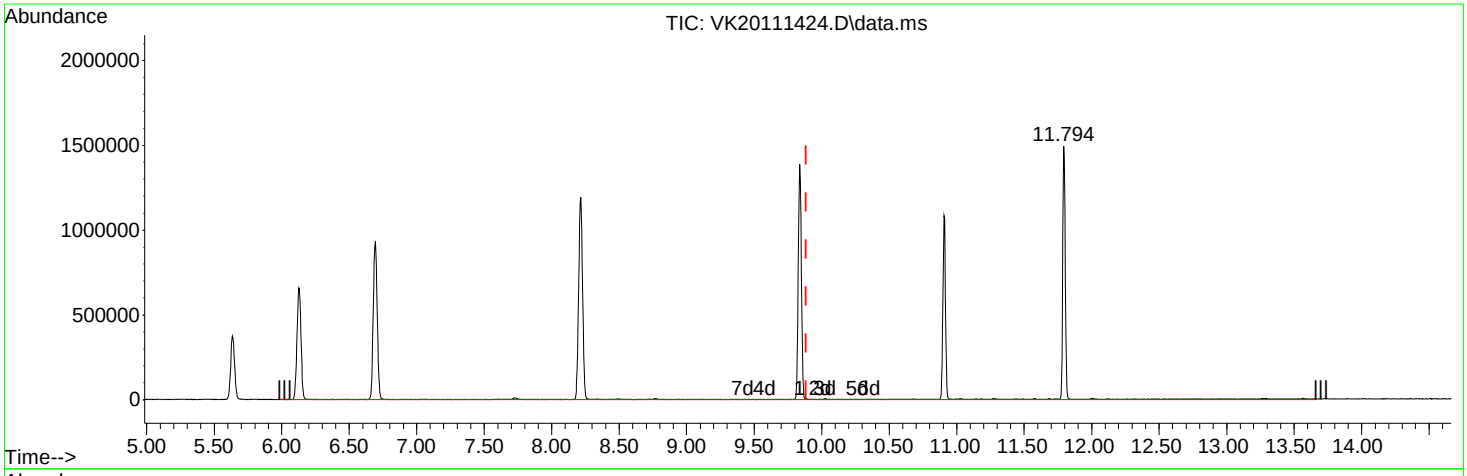


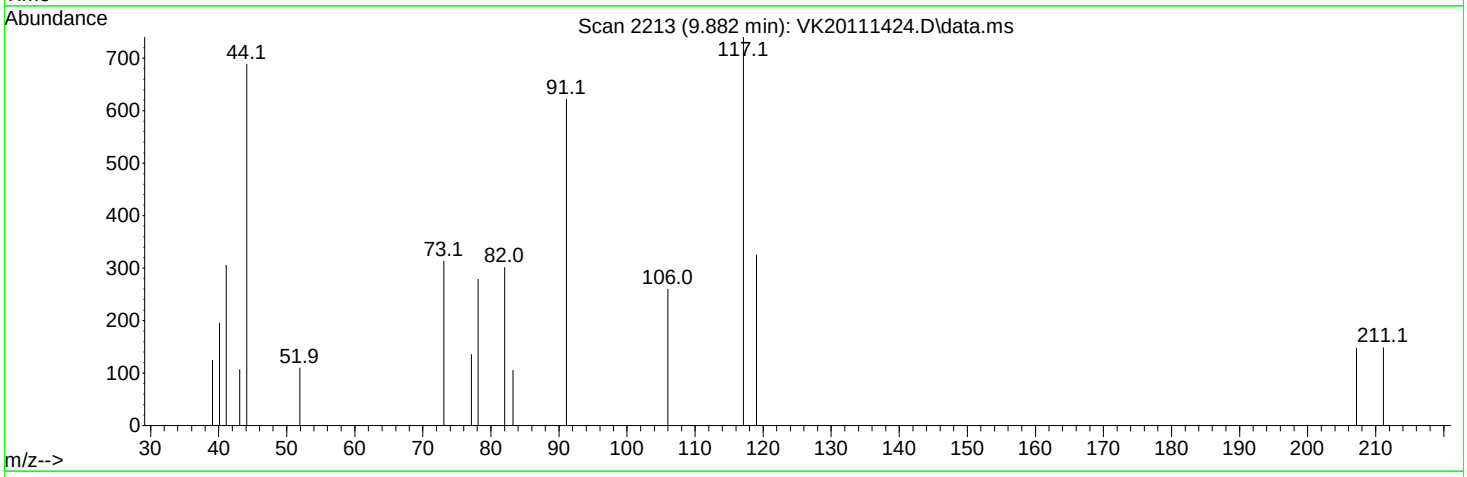
R = 2.26e-004 A*A + 1.47e+000 A + 6.44e-001
Coef of Det (r^2) = 0.999866 Curve Fit: Quadratic w(1/a)
Method Name: C:\GCMS\1\methods\VK201115G.M
Calibration Table Last Updated: Sun Nov 15 16:34:17 2020

Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111424.D
Acq On : 15 Nov 2020 02:11 am
Operator : TNL
Sample : 0K14006-ICB2
Misc : 1X 5mL DI+MeOH
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 15 17:04:40 2020
Quant Method : C:\GCMS\1\methods\VK201115G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sun Nov 15 16:34:17 2020
Response via : Initial Calibration





TIC: VK20111424.D\data.ms

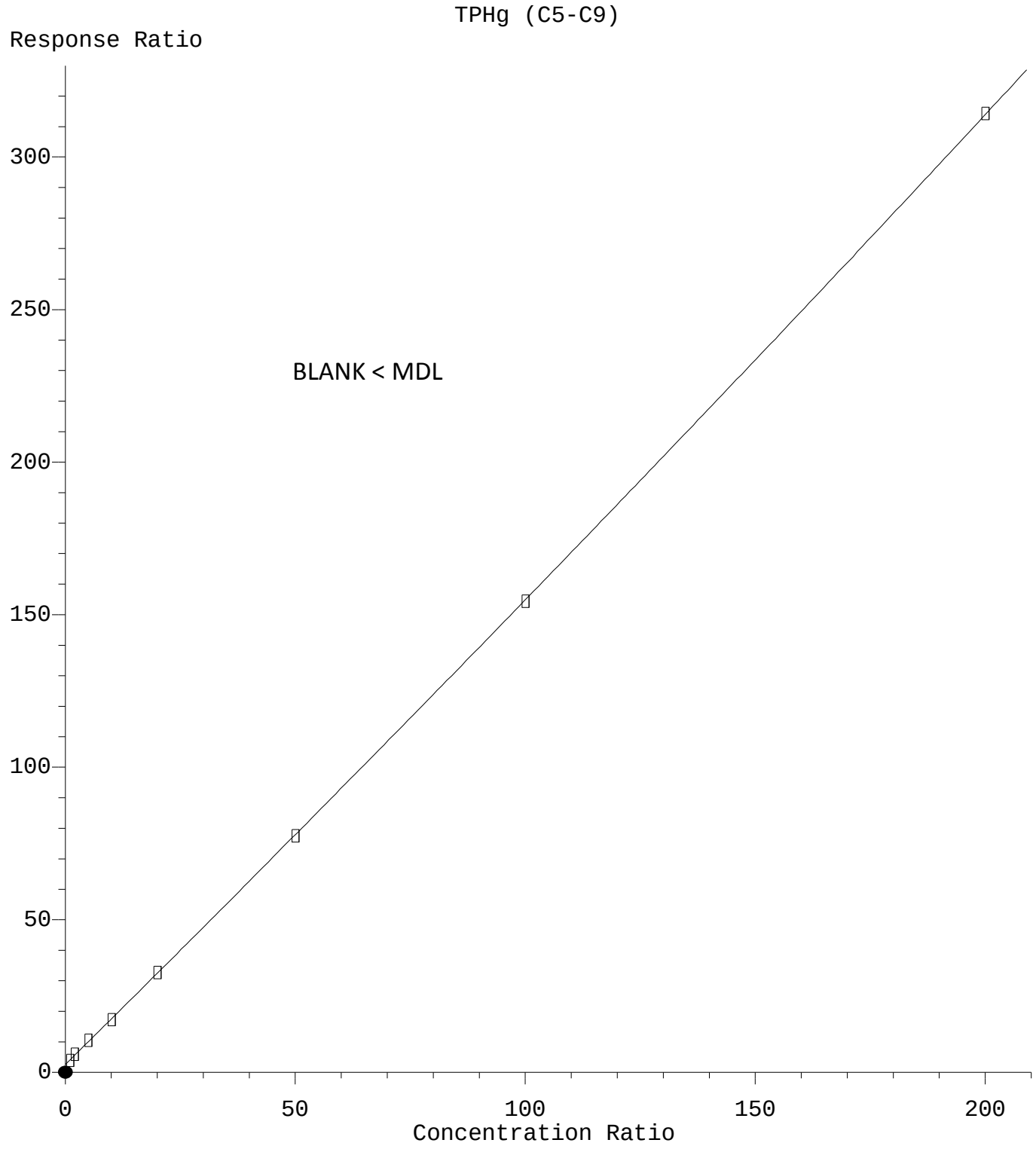
(4) NWTPH-Gx (TPH) (H)

9.883min (0.000) -1.00 ug/L m

response 251022

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

intercepts checked
mm 11/17/20

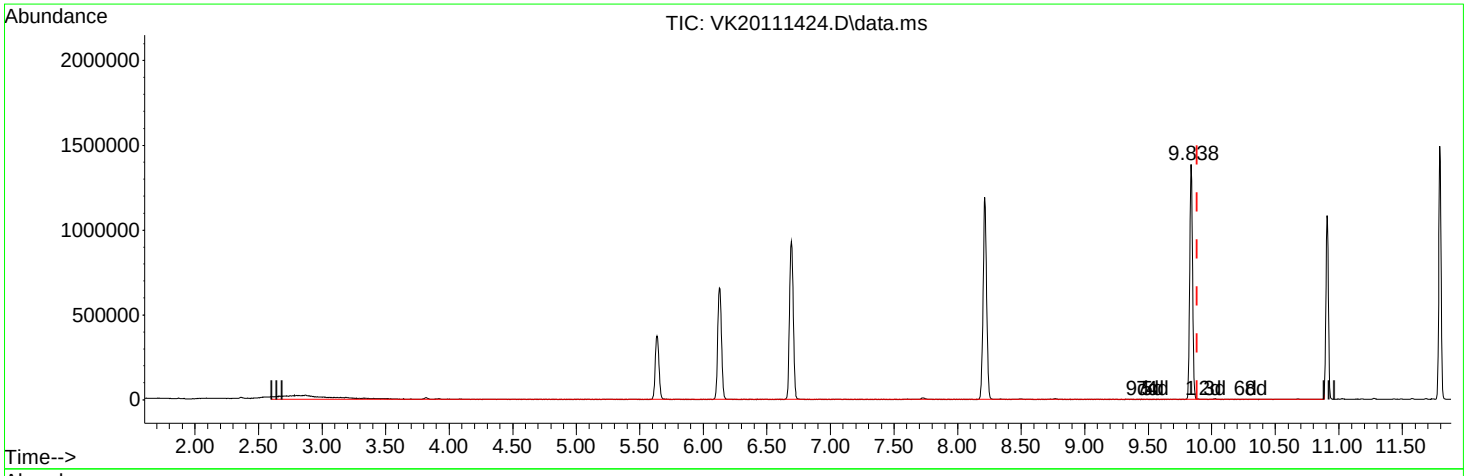


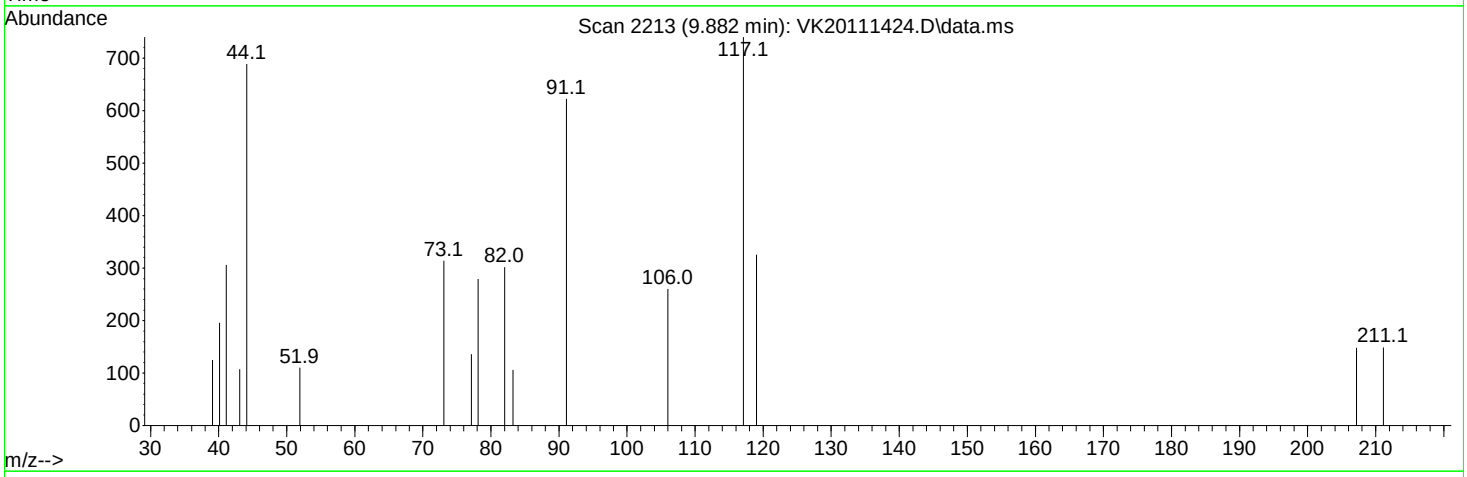
R = 3.48e-004 A*A + 1.49e+000 A + 2.61e+000
Coef of Det (r^2) = 0.999789 Curve Fit: Quadratic w(1/a)
Method Name: C:\GCMS\1\methods\VK201115G.M
Calibration Table Last Updated: Sun Nov 15 16:34:17 2020

Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111424.D
Acq On : 15 Nov 2020 02:11 am
Operator : TNL
Sample : 0K14006-ICB2
Misc : 1X 5mL DI+MeOH
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 15 17:04:40 2020
Quant Method : C:\GCMS\1\methods\VK201115G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sun Nov 15 16:34:17 2020
Response via : Initial Calibration





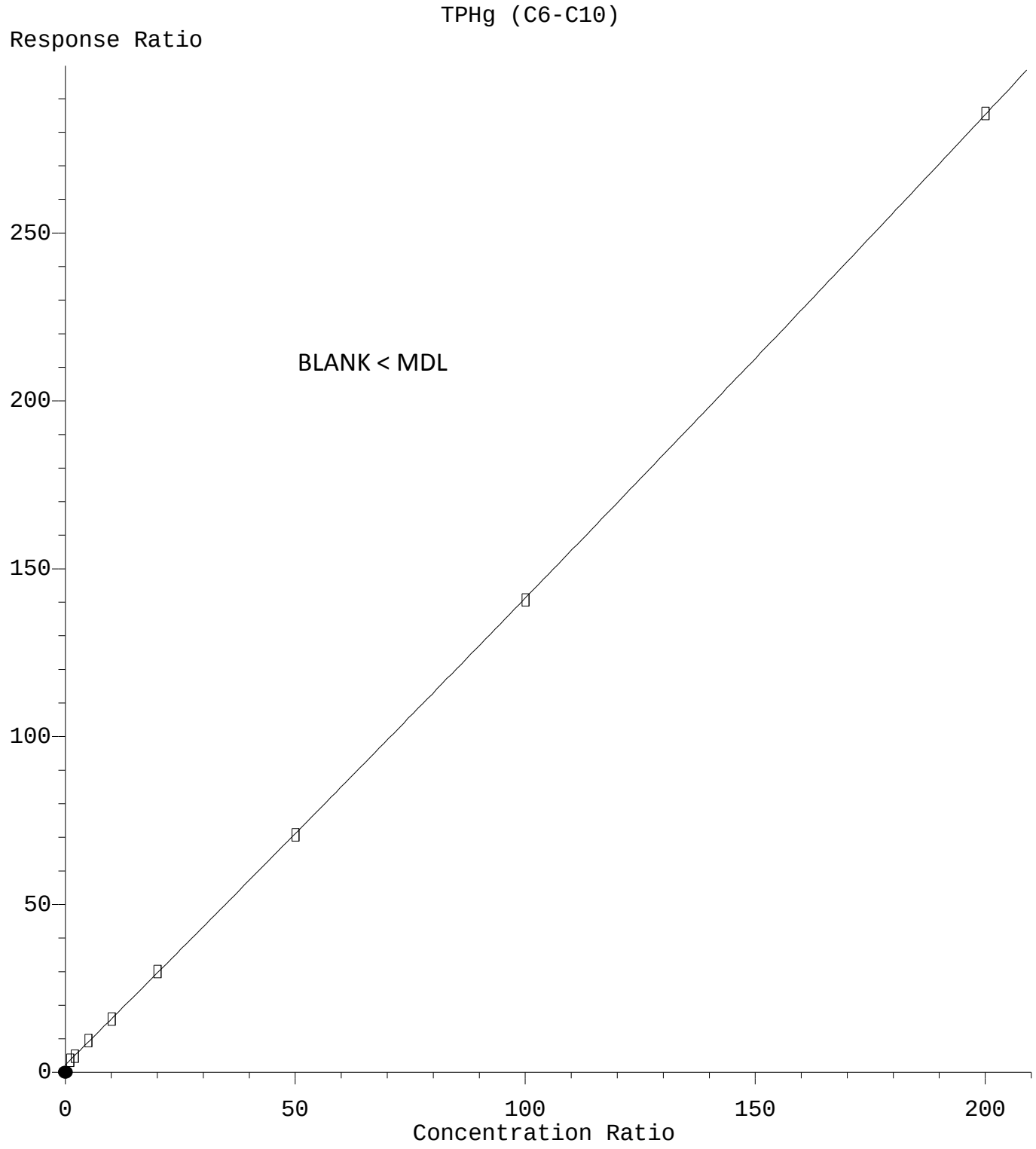
TIC: VK20111424.D\data.ms

(5) TPHg (C5-C9) (H)

9.883min (0.000) -1.00 ug/L m

response 1017414

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

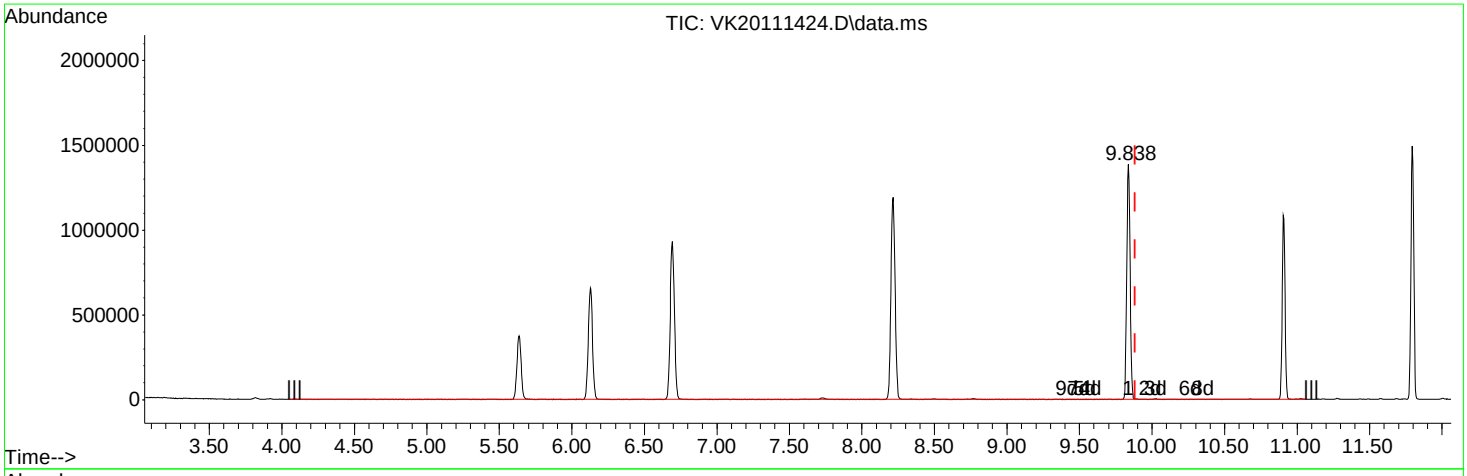


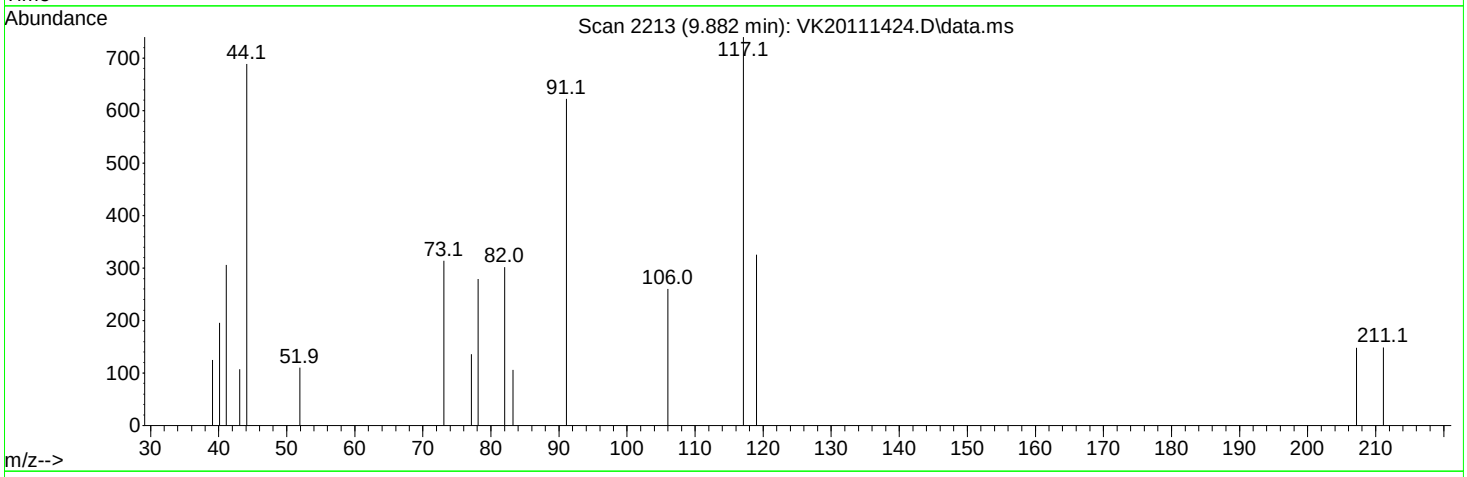
R = 2.55e-004 A*A + 1.36e+000 A + 2.23e+000
Coef of Det (r^2) = 0.999896 Curve Fit: Quadratic w(1/a)
Method Name: C:\GCMS\1\methods\VK201115G.M
Calibration Table Last Updated: Sun Nov 15 16:34:17 2020

Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111424.D
Acq On : 15 Nov 2020 02:11 am
Operator : TNL
Sample : 0K14006-ICB2
Misc : 1X 5mL DI+MeOH
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 15 17:04:40 2020
Quant Method : C:\GCMS\1\methods\VK201115G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sun Nov 15 16:34:17 2020
Response via : Initial Calibration





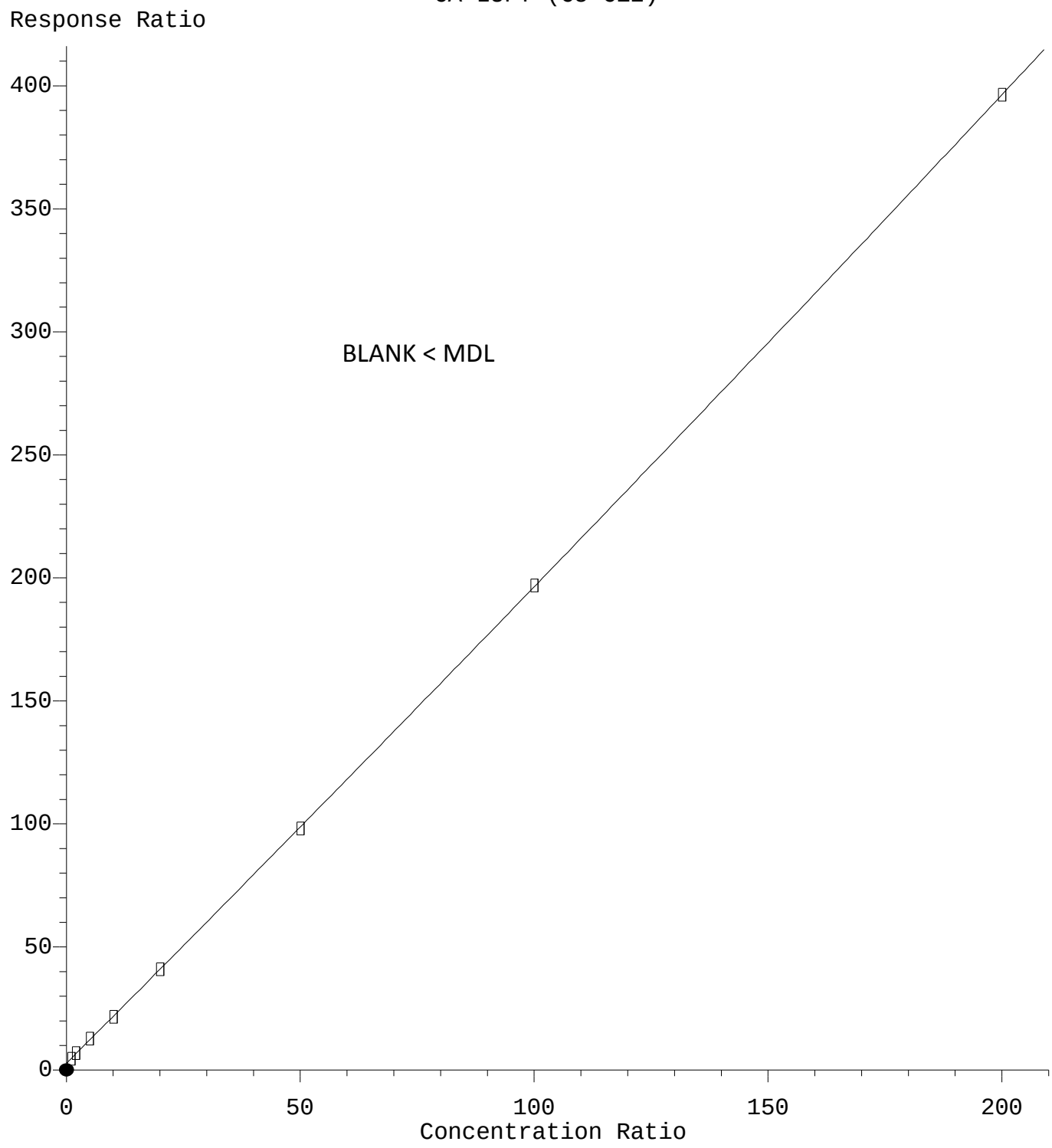
TIC: VK20111424.D\data.ms

(6) TPHg (C6-C10) (H)

9.883min (0.000) -1.00 ug/L m

response 959275

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

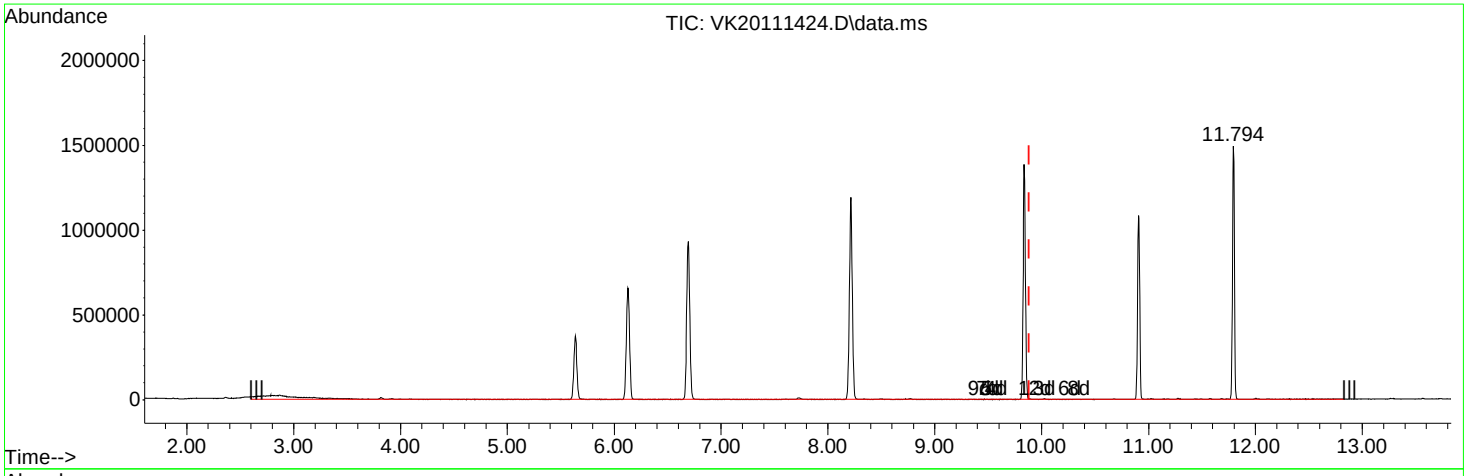


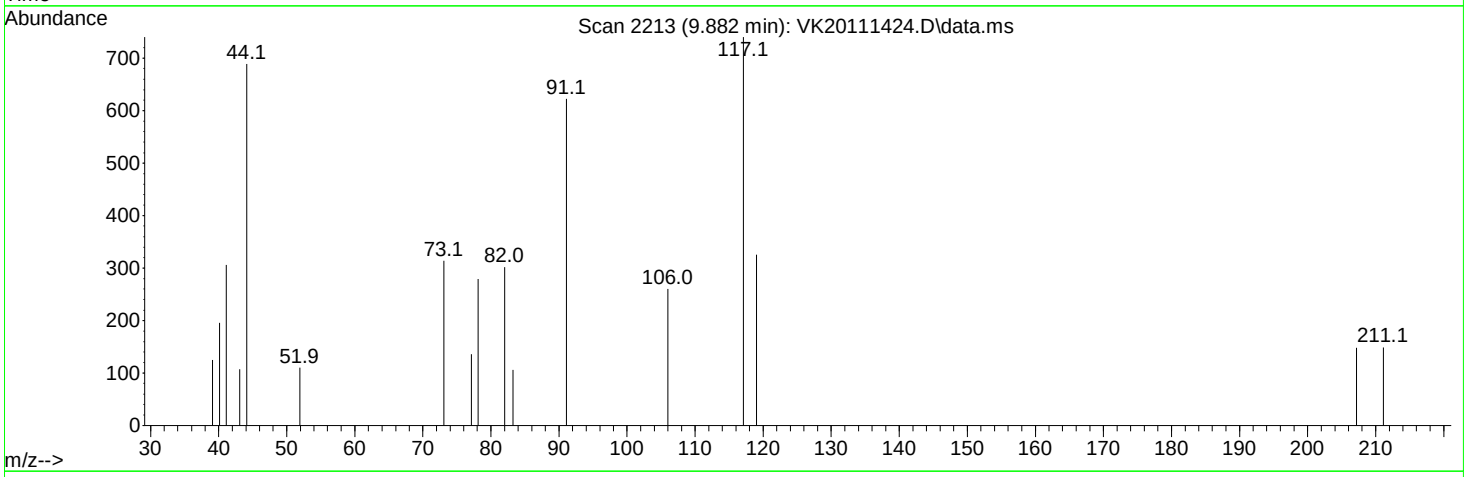
R = 3.28e-004 A*A + 1.90e+000 A + 2.79e+000
Coef of Det (r^2) = 0.999923 Curve Fit: Quadratic w(1/a)
Method Name: C:\GCMS\1\methods\VK201115G.M
Calibration Table Last Updated: Sun Nov 15 16:34:17 2020

Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111424.D
Acq On : 15 Nov 2020 02:11 am
Operator : TNL
Sample : 0K14006-ICB2
Misc : 1X 5mL DI+MeOH
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 15 17:04:40 2020
Quant Method : C:\GCMS\1\methods\VK201115G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sun Nov 15 16:34:17 2020
Response via : Initial Calibration





TIC: VK20111424.D\data.ms

(7) CA-LUFT (C5-C12) (H)

9.883min (0.000) -1.00 ug/L m

response 1082155

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0K14006 **Seq. Date: 11/15/2020**

SEQUENCE LOG

11/15/20 TNL

SampleID	Analysis	Matrix	STDID	Analyzed
0K14006-TUN2	8015M Gasoline (C6-C10) by GC/	Soil		11/15/2020 1:44:00AM
"	+CA LUFT GRO	"		"
"	+NWTPH-Gx	"		"
0K14006-ICB2	8015M Gasoline (C6-C10) by GC/	Soil		11/15/2020 2:11:00AM
"	+CA LUFT GRO	"		"
"	+NWTPH-Gx	"		"
0K14006-CALC	8015M Gasoline (C6-C10) by GC/	Soil	A20K166	11/15/2020 3:33:00AM
"	+CA LUFT GRO	"	A20K166	"
"	+NWTPH-Gx	"	A20K166	"
0K14006-CALD	8015M Gasoline (C6-C10) by GC/	Soil	A20K167	11/15/2020 4:00:00AM
"	+CA LUFT GRO	"	A20K167	"
"	+NWTPH-Gx	"	A20K167	"
0K14006-CALE	8015M Gasoline (C6-C10) by GC/	Soil	A20K168	11/15/2020 4:28:00AM
"	+CA LUFT GRO	"	A20K168	"
"	+NWTPH-Gx	"	A20K168	"
0K14006-CALF	8015M Gasoline (C6-C10) by GC/	Soil	A20K169	11/15/2020 4:55:00AM
"	+CA LUFT GRO	"	A20K169	"
"	+NWTPH-Gx	"	A20K169	"
0K14006-CALG	8015M Gasoline (C6-C10) by GC/	Soil	A20J323	11/15/2020 5:22:00AM
"	+CA LUFT GRO	"	A20J323	"
"	+NWTPH-Gx	"	A20J323	"
0K14006-CALH	8015M Gasoline (C6-C10) by GC/	Soil	A20J324	11/15/2020 5:49:00AM
"	+CA LUFT GRO	"	A20J324	"
"	+NWTPH-Gx	"	A20J324	"
0K14006-CALI	8015M Gasoline (C6-C10) by GC/	Soil	A20J325	11/15/2020 6:17:00AM
"	+CA LUFT GRO	"	A20J325	"
"	+NWTPH-Gx	"	A20J325	"
0K14006-CALJ	8015M Gasoline (C6-C10) by GC/	Soil	A20J326	11/15/2020 6:44:00AM
"	+CA LUFT GRO	"	A20J326	"
"	+NWTPH-Gx	"	A20J326	"
0K14006-ICV2	8015M Gasoline (C6-C10) by GC/	Soil	A20J406	11/15/2020 8:06:00AM
"	+CA LUFT GRO	"	A20J406	"
"	+NWTPH-Gx	"	A20J406	"

CALIBRATION STANDARD RECOVERIES

Calibration: **A0K1605** Instrument: **VOA-GCMS11**

8015M Gasoline (C6-C10) by (Sequence: **0K14006** Matrix: **Soil**

0K14006-CALC	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**

0K14006-CALD	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**

0K14006-CALE	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**

0K14006-CALF	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0K14006 **Seq. Date: 11/15/2020**

0K14006-CALG	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
0K14006-CALH	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
0K14006-CALI	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
0K14006-CALJ	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**

Compounds listed above have recalculated recoveries outside 85-115% of the true values, and the calibration levels are above the reporting level. If no compounds are listed, all are OK. Please see the next section for quadatic fit compounds.

Analytes With Quadratic Curve Fits

Qualifier	MRL	Recalc Value	OK?	Raise MRL to ?
		_____	☐	☐ _____

Analytes listed above have quadratic curve fits. If they are using a weighting otpion, they must be checked against the requanted curve points to determine if the recalculated results are within limits (85-115 or as specified).

ICV RECOVERIES

Calibration: **A0K1605** Instrument: **VOA-GCMS11**

NWTPH-Gx Sequence: **0K14006** Matrix: **Soil**

0K14006-ICV2	**Inst. MRL**	**ICV Level**	**Result**	**%Rec.**	**Qual**

Compounds listed above have Initial Calibration Verification standard recoveries outside 70-130% of the true values. If no compounds are listed, all have passing recoveries.

Evaluate Continuing Calibration Report

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111437.D
Acq On : 15 Nov 2020 08:06 am
Operator : TNL
Sample : 0K14006-ICV2
Misc : 1X 5mL DI+MeOH 500PPB GX
ALS Vial : 32 Sample Multiplier: 1

11/15/20 TNL

Quant Time: Nov 15 17:16:49 2020
Quant Method : C:\GCMS\1\methods\VK201115G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sun Nov 15 16:34:17 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene (IS)	50.000	50.000	0.0	107	0.00
2	S	1,4-Difluorobenzene (Sur)	50.000	49.686	0.6	106	0.00
3	S	4-Bromofluorobenzene (Sur)	50.000	48.580	2.8	105	0.00
4	H	NWTPH-Gx (TPH)	500.000	474.552	5.1	103	0.00
5	H	TPHg (C5-C9)	500.000	485.093	3.0	106	0.00
6	H	TPHg (C6-C10)	500.000	480.313	3.9	104	0.00
7	H	CA-LUFT (C5-C12)	500.000	484.016	3.2	106	0.00
8		Benzene (NR)	-1.000	0.000	0.0	110	0.00
9	S	Toluene-d8 (NR)	-1.000	0.000	0.0	106	0.00
10		Toluene (NR)	-1.000	0.000	0.0	101	0.00
11	S	Chlorobenzene-d5 (NR)	-1.000	0.000	0.0	106	0.00
12	S	1,4-Dichlorobenzene-d4 (NR)	-1.000	0.000	0.0	105	0.00
13		Naphthalene (NR)	-1.000	0.000	0.0	104	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Injection Log

Data Directory: C:\GCMS\1\data\2020-11\0K14006\

File ID	SampleName	MiscInfo	Vial	Dil.	Injection Time
VK20111401.D	0K14006-IBL1	1X 5mL DI+MeOH	34	1	14 Nov 2020 03:42 pm
VK20111402.D	0K14006-IBL2	1X 5mL DI+MeOH	35	1	14 Nov 2020 04:09 pm
VK20111403.D	0K14006-IBL3	1X 5mL DI+MeOH	36	1	14 Nov 2020 04:37 pm
VK20111404.D	0K14006-IBL4	1X 5mL DI+MeOH	37	1	14 Nov 2020 05:04 pm
VK20111405.D	0K14006-IBL5	1X 5mL DI+MeOH	38	1	14 Nov 2020 05:31 pm
VK20111406.D	0K14006-TUN1	1X 5mL BFB (IS/SURR)	1	1	14 Nov 2020 05:58 pm
VK20111407.D	0K14006-ICB1	1X 5mL DI+MeOH	2	1	14 Nov 2020 06:26 pm
VK20111408.D	0K14006-CAL1	1X 5mL DI+MeOH 0.1	3	1	14 Nov 2020 06:53 pm
VK20111409.D	0K14006-CAL2	1X 5mL DI+MeOH 0.2	4	1	14 Nov 2020 07:20 pm
VK20111410.D	0K14006-CAL3	1X 5mL DI+MeOH 0.4	5	1	14 Nov 2020 07:47 pm
VK20111411.D	0K14006-CAL4	1X 5mL DI+MeOH 1	6	1	14 Nov 2020 08:15 pm
VK20111412.D	0K14006-CAL5	1X 5mL DI+MeOH 2	7	1	14 Nov 2020 08:42 pm
VK20111413.D	0K14006-CAL6	1X 5mL DI+MeOH 5	8	1	14 Nov 2020 09:10 pm
VK20111414.D	0K14006-CAL7	1X 5mL DI+MeOH 10 P	9	1	14 Nov 2020 09:37 pm
VK20111415.D	0K14006-CAL8	1X 5mL DI+MeOH 20	10	1	14 Nov 2020 10:04 pm
VK20111416.D	0K14006-CAL9	1X 5mL DI+MeOH 50	11	1	14 Nov 2020 10:32 pm
VK20111417.D	0K14006-IBL7	1X 5mL DI+MeOH	12	1	14 Nov 2020 10:59 pm
VK20111418.D	0K14006-CALA	1X 5mL DI+MeOH 100	13	1	14 Nov 2020 11:26 pm
VK20111419.D	0K14006-CALB	1X 5mL DI+MeOH 200	14	1	14 Nov 2020 11:54 pm
VK20111420.D	0K14006-IBL8	1X 5mL DI+MeOH	15	1	15 Nov 2020 12:21 am
VK20111421.D	0K14006-IBL9	1X 5mL DI+MeOH	16	1	15 Nov 2020 12:49 am
VK20111422.D	0K14006-ICV1	1X 5mL DI+MeOH 20-	17	1	15 Nov 2020 01:16 am
VK20111423.D	0K14006-TUN2	1X 5mL BFB (IS/SURR)	18	1	15 Nov 2020 01:44 am
VK20111424.D	0K14006-ICB2	1X 5mL DI+MeOH	19	1	15 Nov 2020 02:11 am
VK20111425.D	0K14006-RT1	1X 5mL DI+MeOH A20I1	20	1	15 Nov 2020 02:38 am
VK20111426.D	A0K14006-IBLA	1X 5mL DI+MeOH	21	1	15 Nov 2020 03:06 am
VK20111427.D	0K14006-CALC	1X 5mL DI+MeOH 50P	22	1	15 Nov 2020 03:33 am
VK20111428.D	0K14006-CALD	1X 5mL DI+MeOH 100	23	1	15 Nov 2020 04:00 am
VK20111429.D	0K14006-CALE	1X 5mL DI+MeOH 250	24	1	15 Nov 2020 04:28 am
VK20111430.D	0K14006-CALF	1X 5mL DI+MeOH 500	25	1	15 Nov 2020 04:55 am
VK20111431.D	0K14006-CALG	1X 5mL DI+MeOH 100	26	1	15 Nov 2020 05:22 am
VK20111432.D	0K14006-CALH	1X 5mL DI+MeOH 250	27	1	15 Nov 2020 05:49 am
VK20111433.D	0K14006-CALI	1X 5mL DI+MeOH 500	28	1	15 Nov 2020 06:17 am
VK20111434.D	0K14006-CALJ	1X 5mL DI+MeOH 100	29	1	15 Nov 2020 06:44 am
VK20111435.D	0K14006-IBLB	1X 5mL DI+MeOH	30	1	15 Nov 2020 07:11 am
VK20111436.D	0K14006-IBLC	1X 5mL DI+MeOH	31	1	15 Nov 2020 07:39 am
VK20111437.D	0K14006-ICV2	1X 5mL DI+MeOH 50	32	1	15 Nov 2020 08:06 am
VK20111438.D	0K14006-IBLD	1X 5mL DI+MeOH	33	1	15 Nov 2020 09:41 am

11/15/20 IMA

Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111401.D
Acq On : 14 Nov 2020 03:42 pm
Operator : TNL
Sample : 0K14006-IBL1
Misc : 1X 5mL DI+MeOH
ALS Vial : 34 Sample Multiplier: 1

11/15/20 TNL

Quant Time: Nov 15 17:08:34 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Sun Nov 15 15:53:18 2020
Response via : Initial Calibration

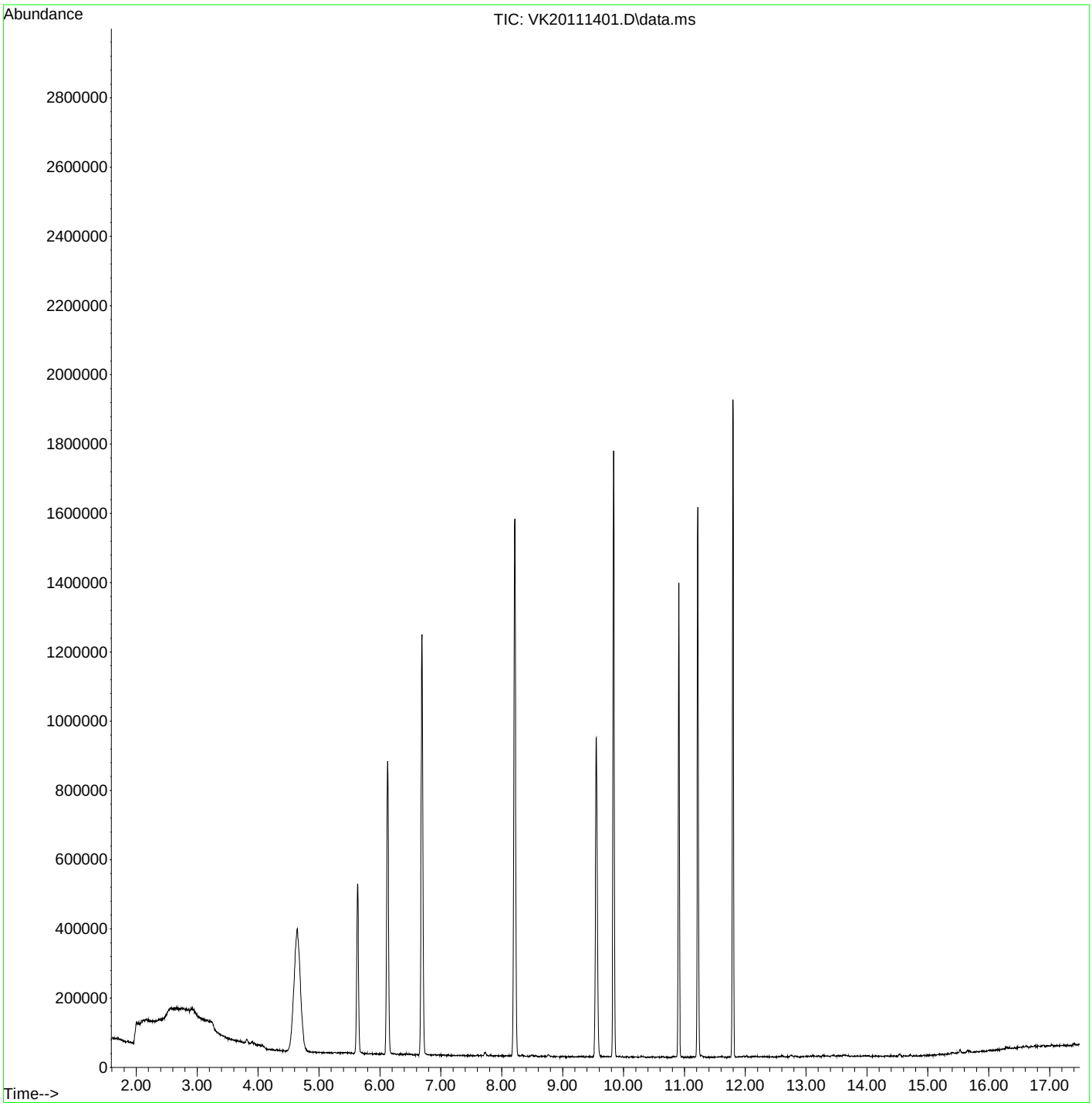
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.127	99	341226	50.00	ug/L		0.00
43) Chlorobenzene-d5 (I)	9.838	117	981874	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.794	152	430720	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.635	111	320007	52.10	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.693	114	1124597	51.65	ug/L		0.00
45) Toluene-d8 (S)	8.215	98	1198716	49.40	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.910	174	339288	50.14	ug/L		0.00
Target Compounds							Qvalue
3) Chloromethane	1.909	50	1843	0.35	ug/L		85
5) Bromomethane	2.367	96	1576	0.94	ug/L	#	49
6) Chloroethane	2.513	64	349	0.36	ug/L	#	1
7) Trichlorofluoromethane	2.659	101	164	0.10	ug/L	#	1
8) Ethanol	3.446	45	242	Below Cal		#	50
12) Iodomethane	3.334	142	1257	1.79	ug/L	#	46
13) Methylene Chloride	3.817	84	6235	1.33	ug/L	#	58
14) Acetone	3.900	43	4853	2.55	ug/L		74
18) tert-Butanol (TBA)	4.350	59	1860	2.02	ug/L	#	1
20) 1,1-Dichloroethane	4.605	63	1234	0.14	ug/L	#	1
21) Acrylonitrile	4.668	53	2999	1.28	ug/L	#	1
28) Tetrahydrofuran	5.632	42	720	0.36	ug/L	#	1
32) 2-Butanone (MEK)	5.782	43	361	0.13	ug/L	#	35
36) iso-Butyl Alcohol	6.370	43	354	1.07	ug/L	#	15
48) 4-Methyl-2-Pentanone (...	8.717	43	925	0.15	ug/L		66
54) 2-Hexanone	9.575	43	498	0.12	ug/L	#	1
70) 1,2,3-Trichloropropane	11.172	110	247	0.10	ug/L	#	1
71) t-1,4-Dichloro-2-butene	11.225	88	1626	2.79	ug/L	#	1

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111401.D
Acq On : 14 Nov 2020 03:42 pm
Operator : TNL
Sample : 0K14006-IBL1
Misc : 1X 5mL DI+MeOH
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Nov 15 17:08:34 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Sun Nov 15 15:53:18 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111402.D
Acq On : 14 Nov 2020 04:09 pm
Operator : TNL
Sample : 0K14006-IBL2
Misc : 1X 5mL DI+MeOH
ALS Vial : 35 Sample Multiplier: 1

11/15/20 TNL

Quant Time: Nov 15 17:08:38 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Sun Nov 15 15:53:18 2020
Response via : Initial Calibration

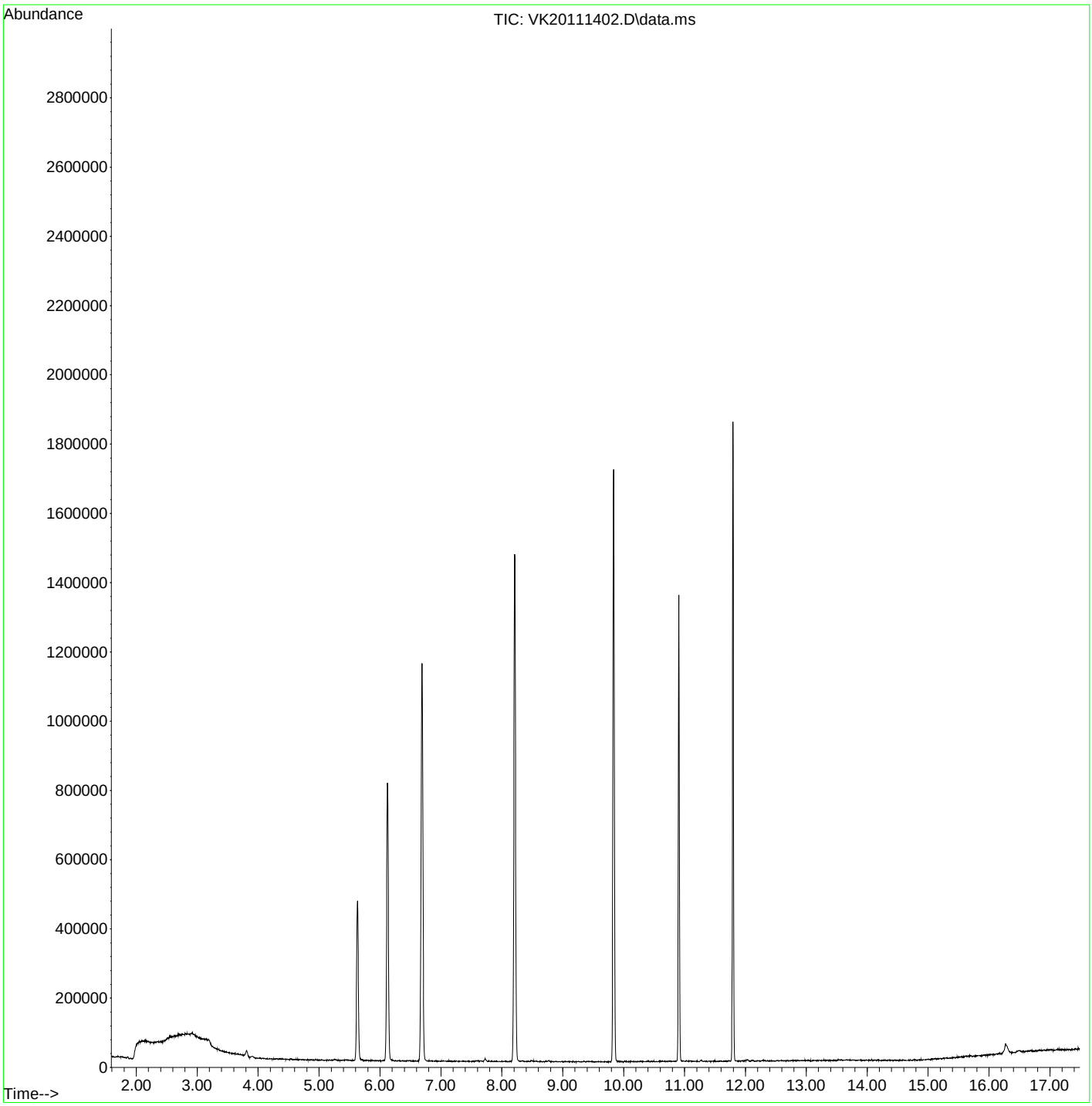
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.123	99	324263	50.00	ug/L		0.00
43) Chlorobenzene-d5 (I)	9.838	117	943636	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.794	152	416559	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.632	111	303697	52.03	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.689	114	1068842	51.66	ug/L		0.00
45) Toluene-d8 (S)	8.211	98	1133692	48.61	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.910	174	323110	49.37	ug/L		0.00
Target Compounds							Qvalue
3) Chloromethane	1.902	50	1690	0.34	ug/L		88
5) Bromomethane	2.355	96	2532	1.58	ug/L	#	65
8) Ethanol	3.443	45	418	Below Cal		#	29
12) Iodomethane	3.330	142	985	1.59	ug/L		66
13) Methylene Chloride	3.810	84	6941	1.56	ug/L		91
14) Acetone	3.900	43	3192	1.76	ug/L		86
18) tert-Butanol (TBA)	4.353	59	412	0.47	ug/L	#	1
32) 2-Butanone (MEK)	5.774	43	265	0.10	ug/L	#	35
36) iso-Butyl Alcohol	6.389	43	197	0.62	ug/L	#	49

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111402.D
Acq On : 14 Nov 2020 04:09 pm
Operator : TNL
Sample : 0K14006-IBL2
Misc : 1X 5mL DI+MeOH
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Nov 15 17:08:38 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Sun Nov 15 15:53:18 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111403.D
Acq On : 14 Nov 2020 04:37 pm
Operator : TNL
Sample : 0K14006-IBL3
Misc : 1X 5mL DI+MeOH
ALS Vial : 36 Sample Multiplier: 1

11/15/20 TNL

Quant Time: Nov 15 17:08:42 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Sun Nov 15 15:53:18 2020
Response via : Initial Calibration

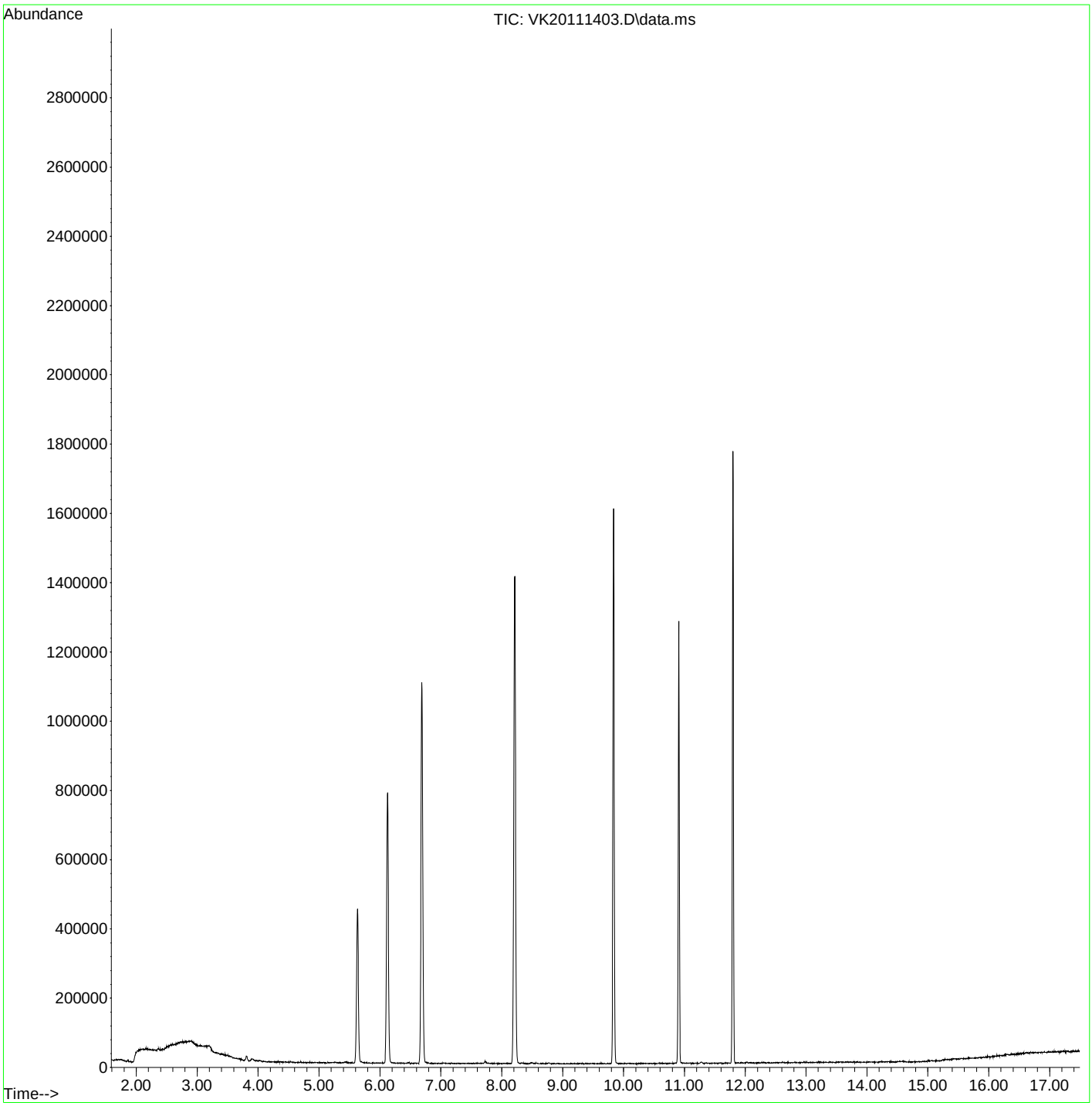
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.123	99	311538	50.00	ug/L		0.00
43) Chlorobenzene-d5 (I)	9.838	117	894688	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.794	152	392119	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.632	111	289776	51.67	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.689	114	1018642	51.25	ug/L		0.00
45) Toluene-d8 (S)	8.214	98	1084247	49.03	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.906	174	309532	50.25	ug/L		0.00
Target Compounds							Qvalue
3) Chloromethane	1.898	50	1304	0.27	ug/L		85
5) Bromomethane	2.355	96	1459	0.95	ug/L	#	53
6) Chloroethane	2.528	64	85	0.10	ug/L	#	1
8) Ethanol	3.409	45	447	Below Cal			76
12) Iodomethane	3.326	142	1025	1.67	ug/L		82
13) Methylene Chloride	3.806	84	6901	1.61	ug/L		79
14) Acetone	3.900	43	6238	3.59	ug/L		91
18) tert-Butanol (TBA)	4.361	59	429	0.51	ug/L	#	1
21) Acrylonitrile	4.668	53	357	0.17	ug/L	#	45
28) Tetrahydrofuran	5.613	42	154	0.09	ug/L	#	1
32) 2-Butanone (MEK)	5.782	43	454	0.18	ug/L	#	30
36) iso-Butyl Alcohol	6.385	43	291	0.96	ug/L	#	53
54) 2-Hexanone	9.571	43	345	0.09	ug/L	#	26

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111403.D
Acq On : 14 Nov 2020 04:37 pm
Operator : TNL
Sample : 0K14006-IBL3
Misc : 1X 5mL DI+MeOH
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Nov 15 17:08:42 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Sun Nov 15 15:53:18 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111404.D
Acq On : 14 Nov 2020 05:04 pm
Operator : TNL
Sample : 0K14006-IBL4
Misc : 1X 5mL DI+MeOH
ALS Vial : 37 Sample Multiplier: 1

11/15/20 TNL

Quant Time: Nov 15 17:08:46 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Sun Nov 15 15:53:18 2020
Response via : Initial Calibration

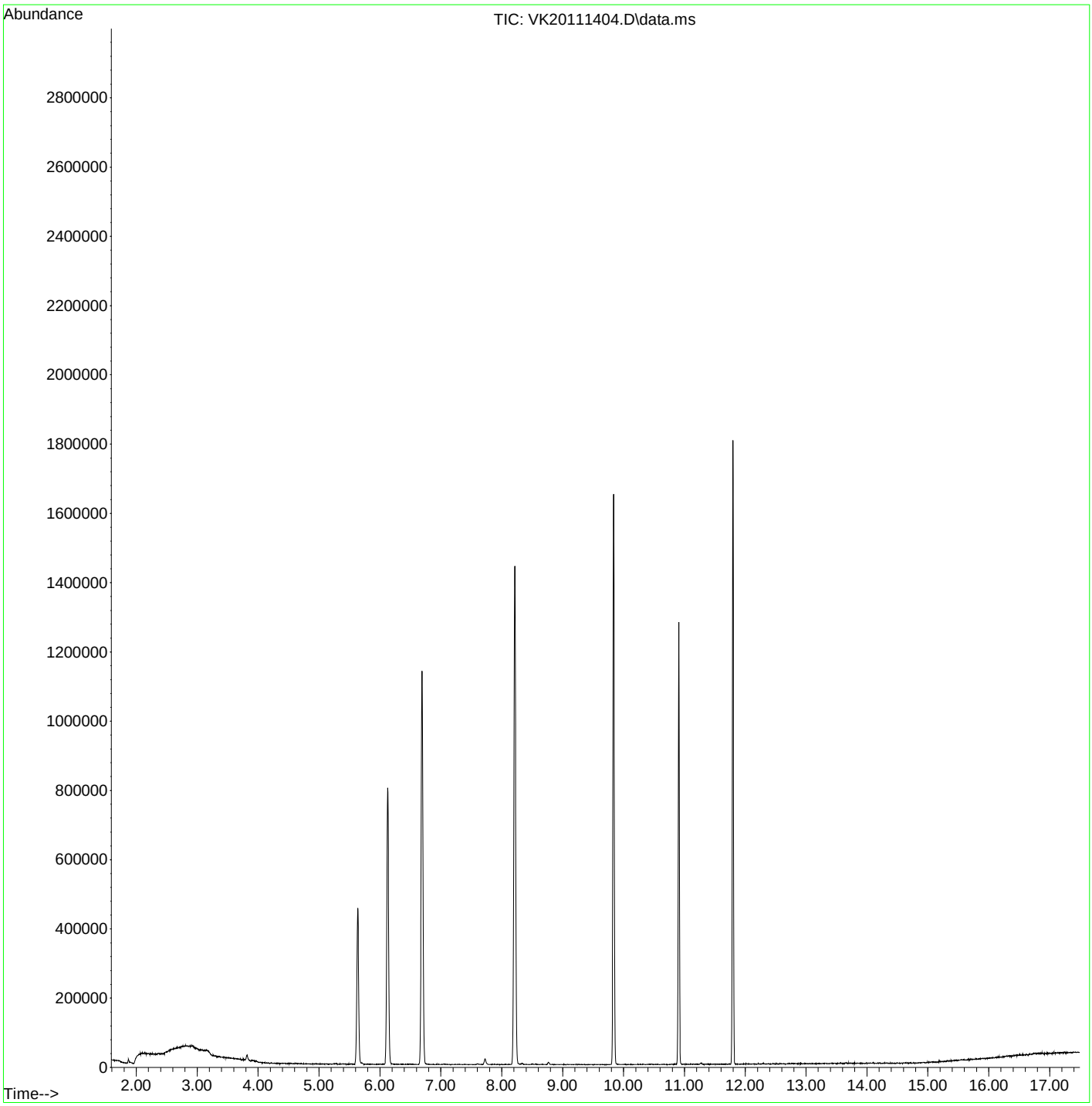
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.127	99	319081	50.00	ug/L		0.00
43) Chlorobenzene-d5 (I)	9.838	117	917470	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.794	152	397077	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.635	111	294511	51.28	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.693	114	1045299	51.34	ug/L		0.00
45) Toluene-d8 (S)	8.214	98	1115745	49.21	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.910	174	310208	49.73	ug/L		0.00
Target Compounds							Qvalue
3) Chloromethane	1.909	50	1249	0.25	ug/L		69
5) Bromomethane	2.367	96	1380	0.88	ug/L	#	88
6) Chloroethane	2.517	64	256	0.28	ug/L	#	1
8) Ethanol	3.450	45	632	Below Cal			56
12) Iodomethane	3.349	142	336	0.96	ug/L	#	27
13) Methylene Chloride	3.821	84	7819	1.78	ug/L		83
14) Acetone	3.907	43	558	0.31	ug/L		87
21) Acrylonitrile	4.665	53	227	0.10	ug/L	#	14
31) 1,1-Dichloropropene	5.710	75	893	0.13	ug/L	#	39
36) iso-Butyl Alcohol	6.374	43	420	1.35	ug/L	#	63

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111404.D
Acq On : 14 Nov 2020 05:04 pm
Operator : TNL
Sample : 0K14006-IBL4
Misc : 1X 5mL DI+MeOH
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Nov 15 17:08:46 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Sun Nov 15 15:53:18 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111405.D
Acq On : 14 Nov 2020 05:31 pm
Operator : TNL
Sample : 0K14006-IBL5
Misc : 1X 5mL DI+MeOH
ALS Vial : 38 Sample Multiplier: 1

11/15/20 TNL

Quant Time: Nov 15 17:08:50 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Sun Nov 15 15:53:18 2020
Response via : Initial Calibration

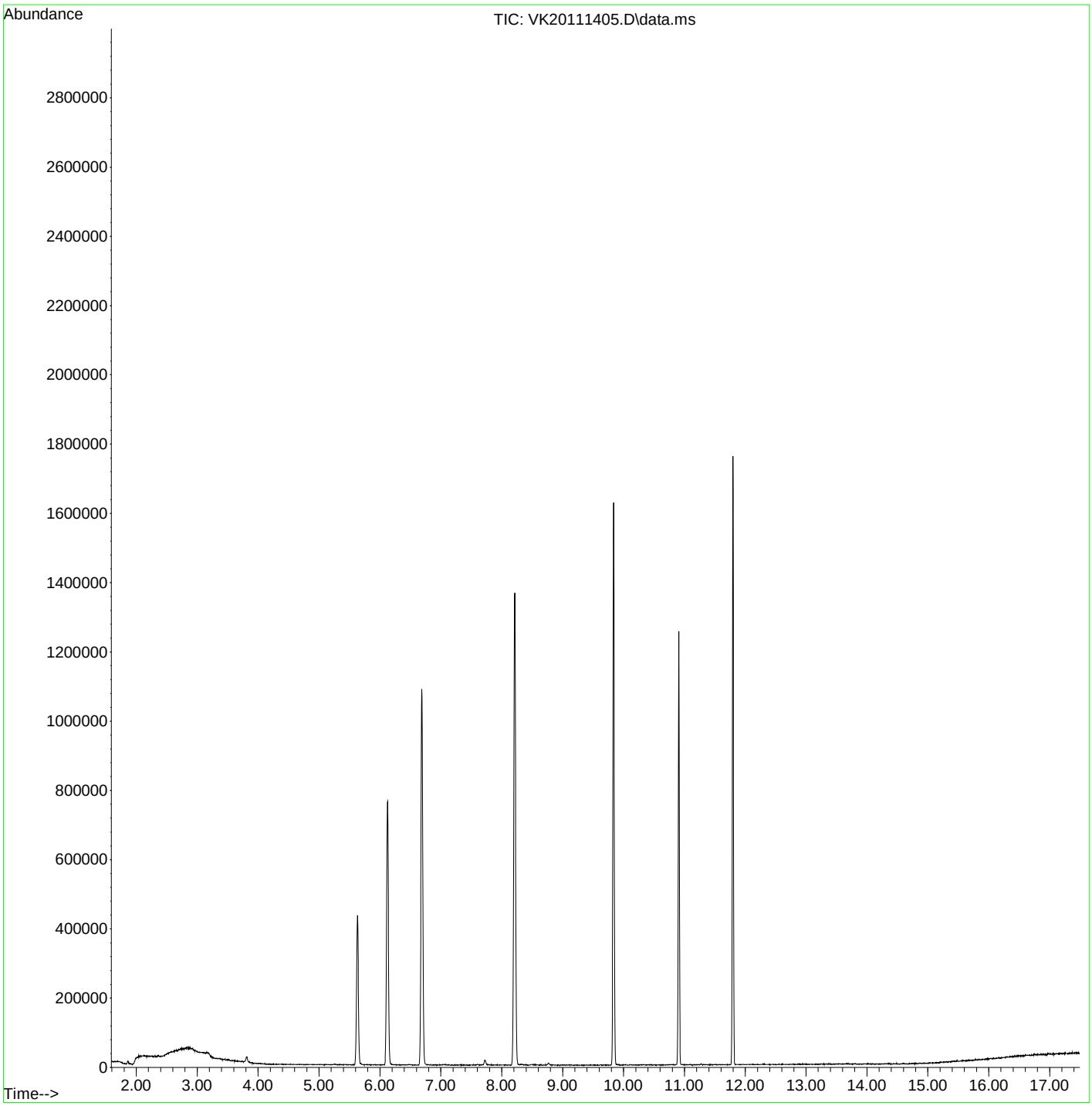
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.123	99	309806	50.00	ug/L		0.00
43) Chlorobenzene-d5 (I)	9.837	117	881865	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.794	152	384813	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.631	111	281358	50.45	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.689	114	1004120	50.80	ug/L		0.00
45) Toluene-d8 (S)	8.214	98	1065718	48.90	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.910	174	298469	49.37	ug/L		0.00
Target Compounds							Qvalue
3) Chloromethane	1.898	50	1099	0.23	ug/L		78
5) Bromomethane	2.359	96	1423	0.93	ug/L	#	62
6) Chloroethane	2.513	64	224	0.26	ug/L	#	1
8) Ethanol	3.454	45	454	Below Cal		#	29
12) Iodomethane	3.345	142	654	1.30	ug/L		82
13) Methylene Chloride	3.810	84	8513	2.00	ug/L		83
14) Acetone	3.903	43	1830	1.06	ug/L		85
31) 1,1-Dichloropropene	5.699	75	988	0.15	ug/L	#	66
36) iso-Butyl Alcohol	6.385	43	497	1.65	ug/L	#	46

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111405.D
Acq On : 14 Nov 2020 05:31 pm
Operator : TNL
Sample : 0K14006-IBL5
Misc : 1X 5mL DI+MeOH
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Nov 15 17:08:50 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Sun Nov 15 15:53:18 2020
Response via : Initial Calibration



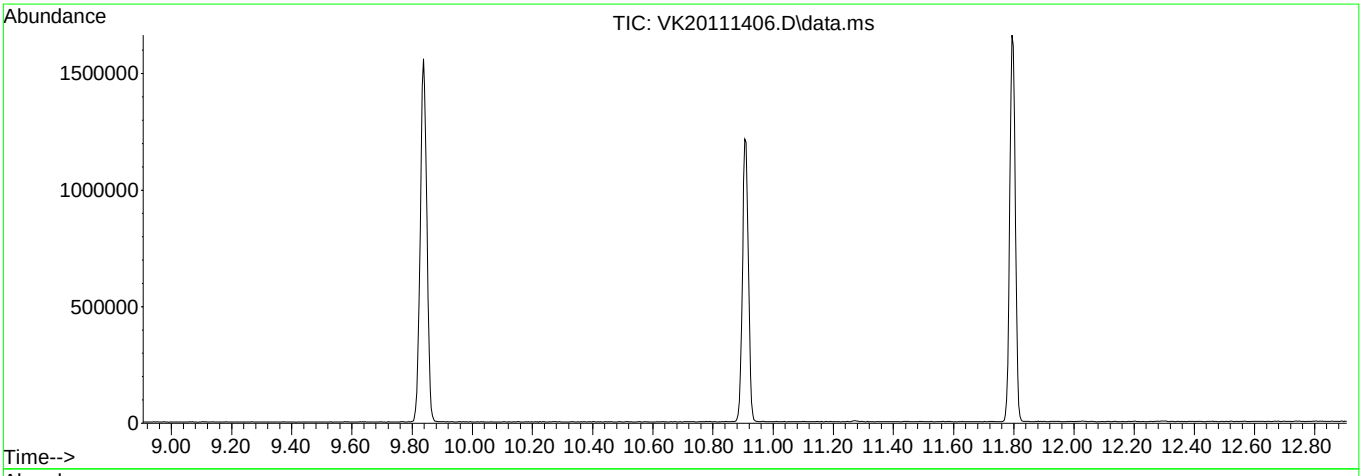
BFB

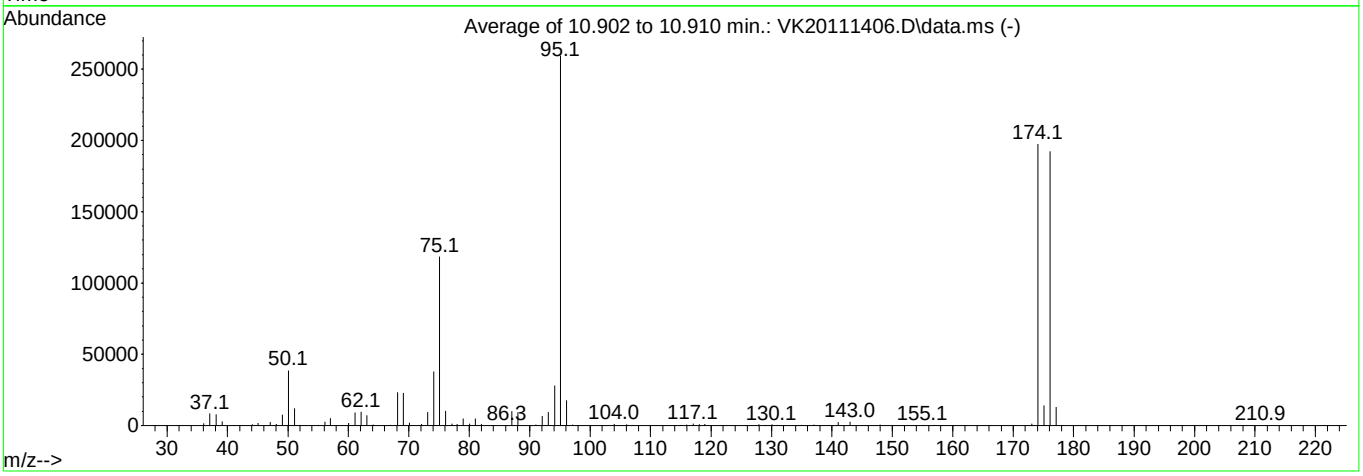
Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111406.D
Acq On : 14 Nov 2020 05:58 pm
Operator : TNL
Sample : 0K14006-TUN1
Misc : 1X 5mL BFB (IS/SURR)
ALS Vial : 1 Sample Multiplier: 1

11/15/20 TNL

Integration File: RTEINT.P

Method : C:\GCMS\1\methods\VK201115S.M
Title : EPA 8260C: Volatile Organic Compounds
Last Update : Sun Nov 15 15:53:18 2020





AutoFind: Scans 2485, 2486, 2487; Background Corrected with Scan 2472

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	174	50	200	131.4	259520	PASS
96	95	5	9	6.8	17694	PASS
173	174	0.00	2	0.7	1388	PASS
174	95	50	200	76.1	197568	PASS
175	174	5	9	7.2	14134	PASS
176	174	95	105	97.4	192427	PASS
177	176	5	10	6.8	13061	PASS

Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111406.D
Acq On : 14 Nov 2020 05:58 pm
Operator : TNL
Sample : 0K14006-TUN1
Misc : 1X 5mL BFB (IS/SURR)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 15 17:08:54 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Sun Nov 15 15:53:18 2020
Response via : Initial Calibration

11/15/20 TNL

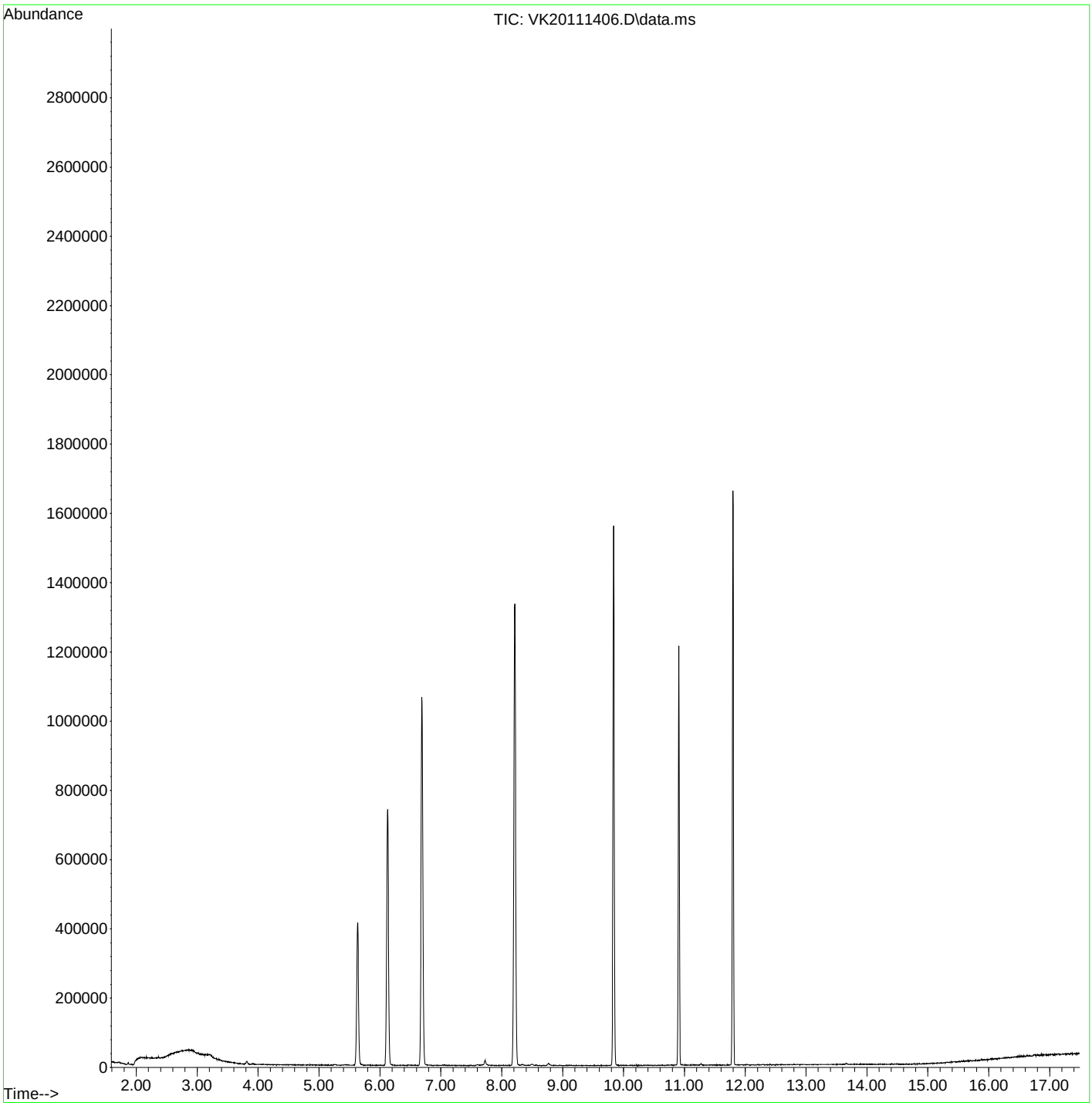
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.127	99	298739	50.00	ug/L		0.00
43) Chlorobenzene-d5 (I)	9.838	117	852709	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.794	152	370671	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.632	111	269755	50.17	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.689	114	974781	51.14	ug/L		0.00
45) Toluene-d8 (S)	8.214	98	1034327	49.08	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.910	174	289416	49.70	ug/L		0.00
Target Compounds							Qvalue
3) Chloromethane	1.909	50	1123	0.24	ug/L		93
5) Bromomethane	2.363	96	1529	1.04	ug/L		84
8) Ethanol	3.409	45	445	Below Cal		#	29
12) Iodomethane	3.330	142	814	1.49	ug/L	#	65
13) Methylene Chloride	3.814	84	4269	1.04	ug/L		89
14) Acetone	3.904	43	1518	0.91	ug/L		74
18) tert-Butanol (TBA)	4.368	59	98	0.12	ug/L	#	1
28) Tetrahydrofuran	5.632	42	167	0.10	ug/L	#	1
31) 1,1-Dichloropropene	5.703	75	878	0.14	ug/L	#	56
36) iso-Butyl Alcohol	6.378	43	122	0.42	ug/L		73

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111406.D
Acq On : 14 Nov 2020 05:58 pm
Operator : TNL
Sample : 0K14006-TUN1
Misc : 1X 5mL BFB (IS/SURR)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 15 17:08:54 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Sun Nov 15 15:53:18 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111407.D
Acq On : 14 Nov 2020 06:26 pm
Operator : TNL
Sample : 0K14006-ICB1
Misc : 1X 5mL DI+MeOH
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 15 17:08:58 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Sun Nov 15 15:53:18 2020
Response via : Initial Calibration

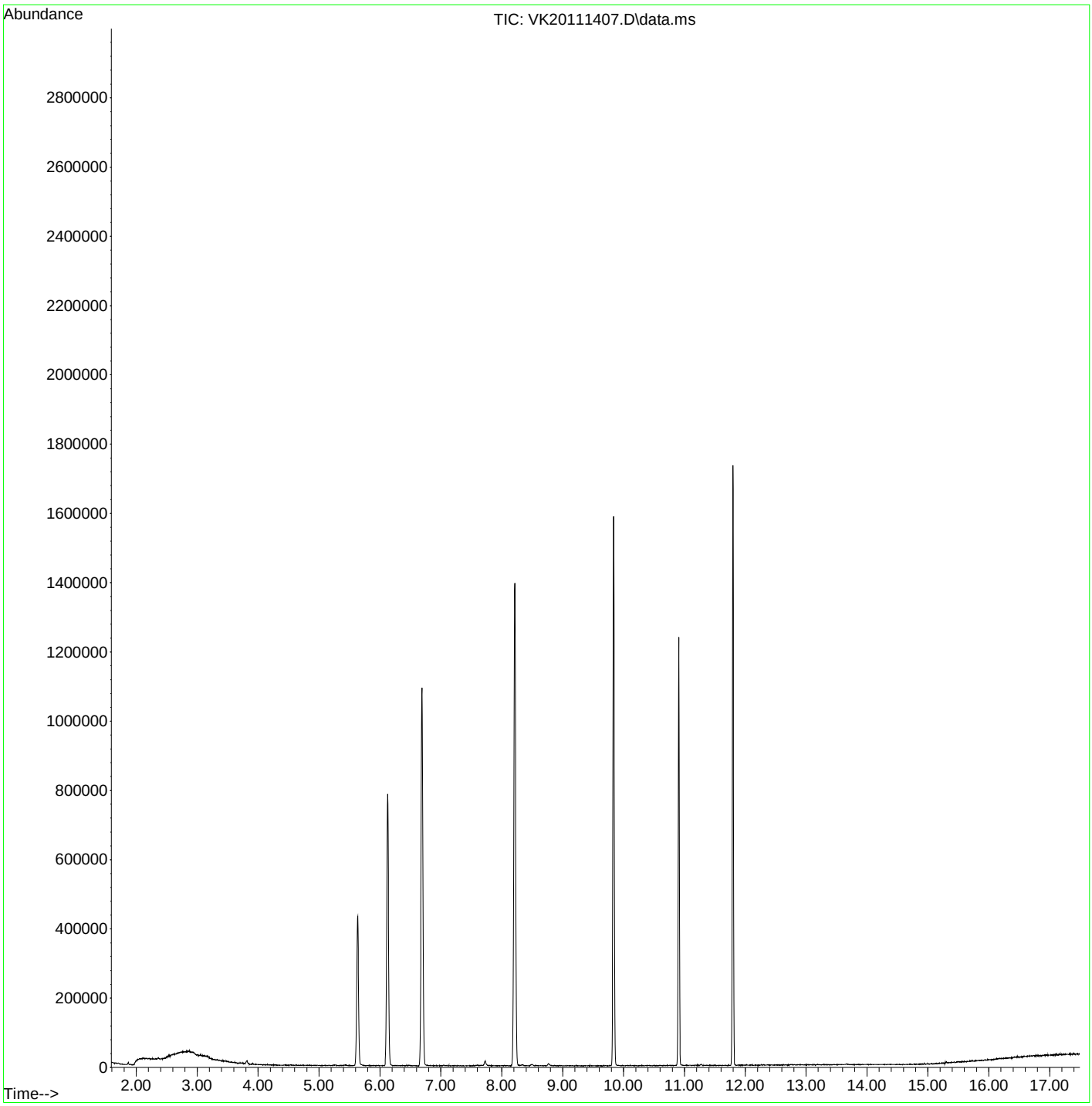
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.126	99	313336	50.00	ug/L		0.00
43) Chlorobenzene-d5 (I)	9.838	117	880949	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.794	152	379350	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.632	111	279013	49.47	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.692	114	1007177	50.38	ug/L		0.00
45) Toluene-d8 (S)	8.214	98	1073409	49.30	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.906	174	299011	50.17	ug/L		0.00
Target Compounds							Qvalue
3) Chloromethane	1.905	50	1146	0.24	ug/L		93
5) Bromomethane	2.363	96	1524	0.99	ug/L	#	55
6) Chloroethane	2.513	64	185	0.21	ug/L	#	1
8) Ethanol	3.435	45	385	Below Cal		#	29
12) Iodomethane	3.337	142	804	1.44	ug/L		82
13) Methylene Chloride	3.817	84	4471	1.04	ug/L		88
14) Acetone	3.903	43	1352	0.77	ug/L		93
18) tert-Butanol (TBA)	4.350	59	117	0.14	ug/L	#	1
28) Tetrahydrofuran	5.620	42	209	0.12	ug/L	#	30
36) iso-Butyl Alcohol	6.393	43	73	0.24	ug/L	#	34
54) 2-Hexanone	9.545	43	298	0.08	ug/L	#	32

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111407.D
Acq On : 14 Nov 2020 06:26 pm
Operator : TNL
Sample : 0K14006-ICB1
Misc : 1X 5mL DI+MeOH
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 15 17:08:58 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Sun Nov 15 15:53:18 2020
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111407.D
Acq On : 14 Nov 2020 06:26 pm
Operator : TNL
Sample : 0K14006-ICB1
Misc : 1X 5mL DI+MeOH
ALS Vial : 2 Sample Multiplier: 1

11/15/20 TNL

Quant Time: Nov 15 17:08:58 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Sun Nov 15 15:53:18 2020
Response via : Initial Calibration

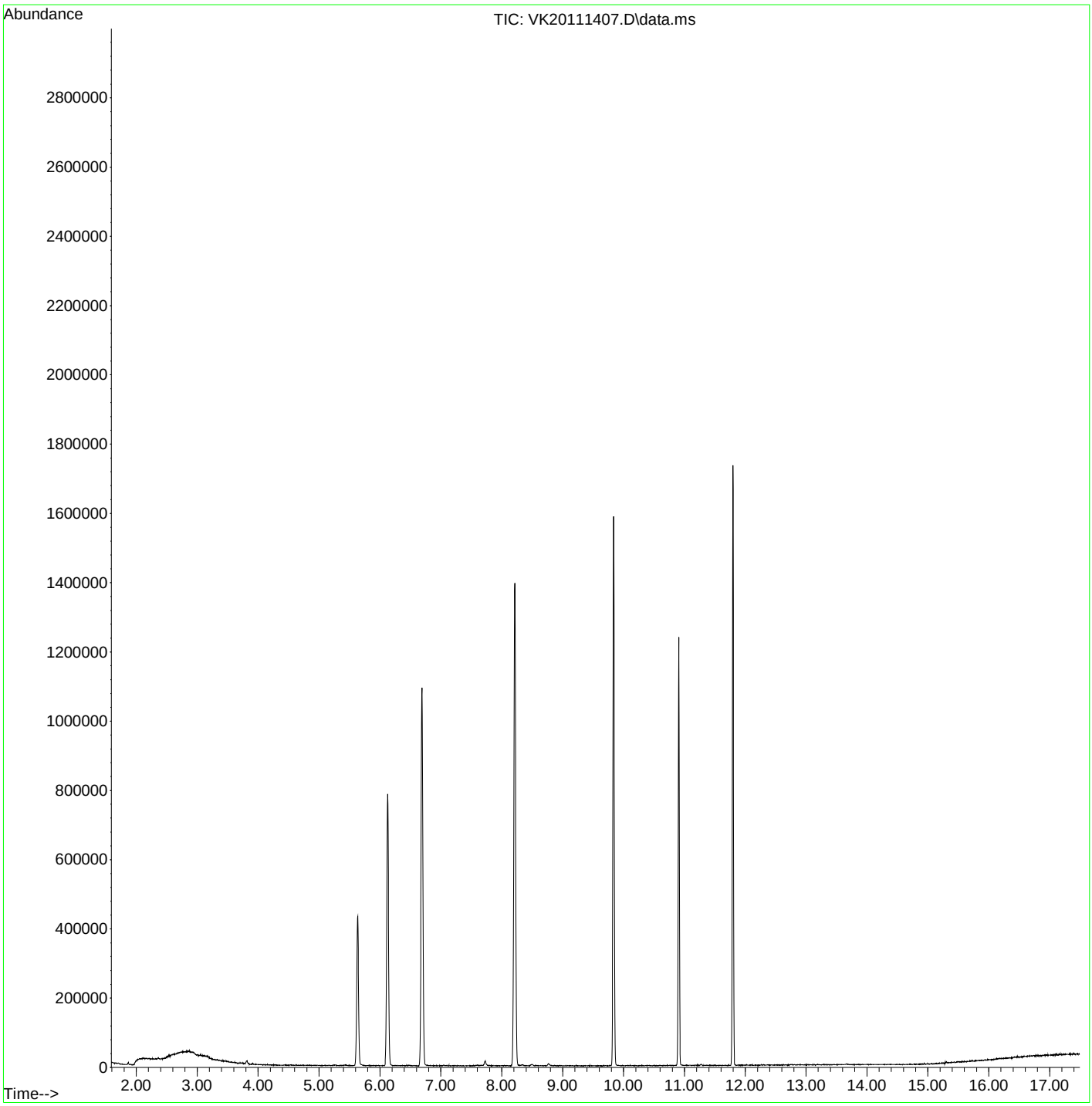
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.126	99	313336	50.00	ug/L		0.00
43) Chlorobenzene-d5 (I)	9.838	117	880949	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.794	152	379350	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.632	111	279013	49.47	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.692	114	1007177	50.38	ug/L		0.00
45) Toluene-d8 (S)	8.214	98	1073409	49.30	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.906	174	299011	50.17	ug/L		0.00
Target Compounds							Qvalue
3) Chloromethane	1.905	50	1146	0.24	ug/L		93
5) Bromomethane	2.363	96	1524	0.99	ug/L	#	55
8) Ethanol	3.435	45	385	Below Cal		#	29
13) Methylene Chloride	3.817	84	4471	1.04	ug/L		88
14) Acetone	3.903	43	1352	0.77	ug/L		93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111407.D
Acq On : 14 Nov 2020 06:26 pm
Operator : TNL
Sample : 0K14006-ICB1
Misc : 1X 5mL DI+MeOH
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 15 17:08:58 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Sun Nov 15 15:53:18 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111408.D
Acq On : 14 Nov 2020 06:53 pm
Operator : TNL
Sample : 0K14006-CAL1
Misc : 1X 5mL DI+MeOH 0.1 PPB
ALS Vial : 3 Sample Multiplier: 1

11/15/20 TNL

Quant Time: Nov 15 15:13:44 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.126	99	308626	50.00	ug/L		0.00
43) Chlorobenzene-d5 (I)	9.838	117	868308	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.794	152	367830	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.635	111	279505	43.84	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.692	114	1005099	42.91	ug/L		0.00
45) Toluene-d8 (S)	8.214	98	1059122	52.48	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.910	174	289653	45.92	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.703	85	437	0.11	ug/L		86
3) Chloromethane	1.909	50	1605	0.35	ug/L		91
4) Vinyl Chloride	2.003	62	348	0.14	ug/L		85
5) Bromomethane	2.363	96	2210	1.02	ug/L		85
6) Chloroethane	2.513	64	185	0.27	ug/L	#	1
7) Trichlorofluoromethane	2.663	101	109	0.08	ug/L	#	1
8) Ethanol	3.420	45	267	3.10	ug/L		71
9) 1,1-Dichloroethene	3.191	61	493	0.19	ug/L	#	50
10) Carbon Disulfide	3.199	76	450	Below Cal		#	1
11) Freon 113	3.251	101	272	0.07	ug/L	#	13
12) Iodomethane	3.341	142	1008	4.24	ug/L		86
13) Methylene Chloride	3.814	84	3480	0.69	ug/L		85
14) Acetone	3.904	43	1280	0.80	ug/L		79
15) t-1,2-Dichloroethene	3.986	61	762	0.13	ug/L		86
16) n-Hexane	4.087	86	53	0.05	ug/L	#	44
17) Methyl-tert-butyl-ether	4.136	73	1391	0.09	ug/L		93
18) tert-Butanol (TBA)	4.365	59	8736	11.35	ug/L	#	63
19) Diisopropyl ether (DIPE)	4.545	45	474	0.04	ug/L	#	40
20) 1,1-Dichloroethane	4.608	63	988	0.13	ug/L		87
21) Acrylonitrile	4.672	53	315	0.15	ug/L	#	14
22) Ethyl-tert-butyl ether...	4.904	59	479	0.04	ug/L	#	40
23) c-1,2-Dichloroethene	5.167	61	684	0.11	ug/L	#	72
24) 2,2-Dichloropropane	5.279	77	695	0.12	ug/L	#	61
25) Bromochloromethane	5.362	49	235	0.07	ug/L		89
26) Chloroform	5.452	83	1072	0.13	ug/L		96
27) Carbon Tetrachloride	5.598	117	757	0.13	ug/L	#	67
28) Tetrahydrofuran	5.620	42	200	0.11	ug/L	#	11
29) 1,1,1-Trichloroethane	5.662	97	1168	0.16	ug/L		91
31) 1,1-Dichloropropene	5.793	75	524	0.08	ug/L	#	52
32) 2-Butanone (MEK)	5.778	43	335	0.13	ug/L	#	37
33) Benzene	6.044	78	3011	0.14	ug/L		79
34) tert-Amyl methyl ether...	6.194	73	1175	0.08	ug/L		67
35) 1,2-Dichloroethane (EDC)	6.250	62	661	0.11	ug/L		90
36) iso-Butyl Alcohol	6.385	43	481	1.68	ug/L		72
38) Trichloroethene (TCE)	6.670	130	637	0.09	ug/L	#	56
39) tert-Amyl ethyl ether ...	6.947	59	277	0.03	ug/L	#	63
40) Dibromomethane	7.101	93	385	0.11	ug/L	#	76
41) 1,2-Dichloropropane	7.210	63	366	0.08	ug/L		92

Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111408.D
Acq On : 14 Nov 2020 06:53 pm
Operator : TNL
Sample : 0K14006-CAL1
Misc : 1X 5mL DI+MeOH 0.1 PPB
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 15 15:13:44 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration

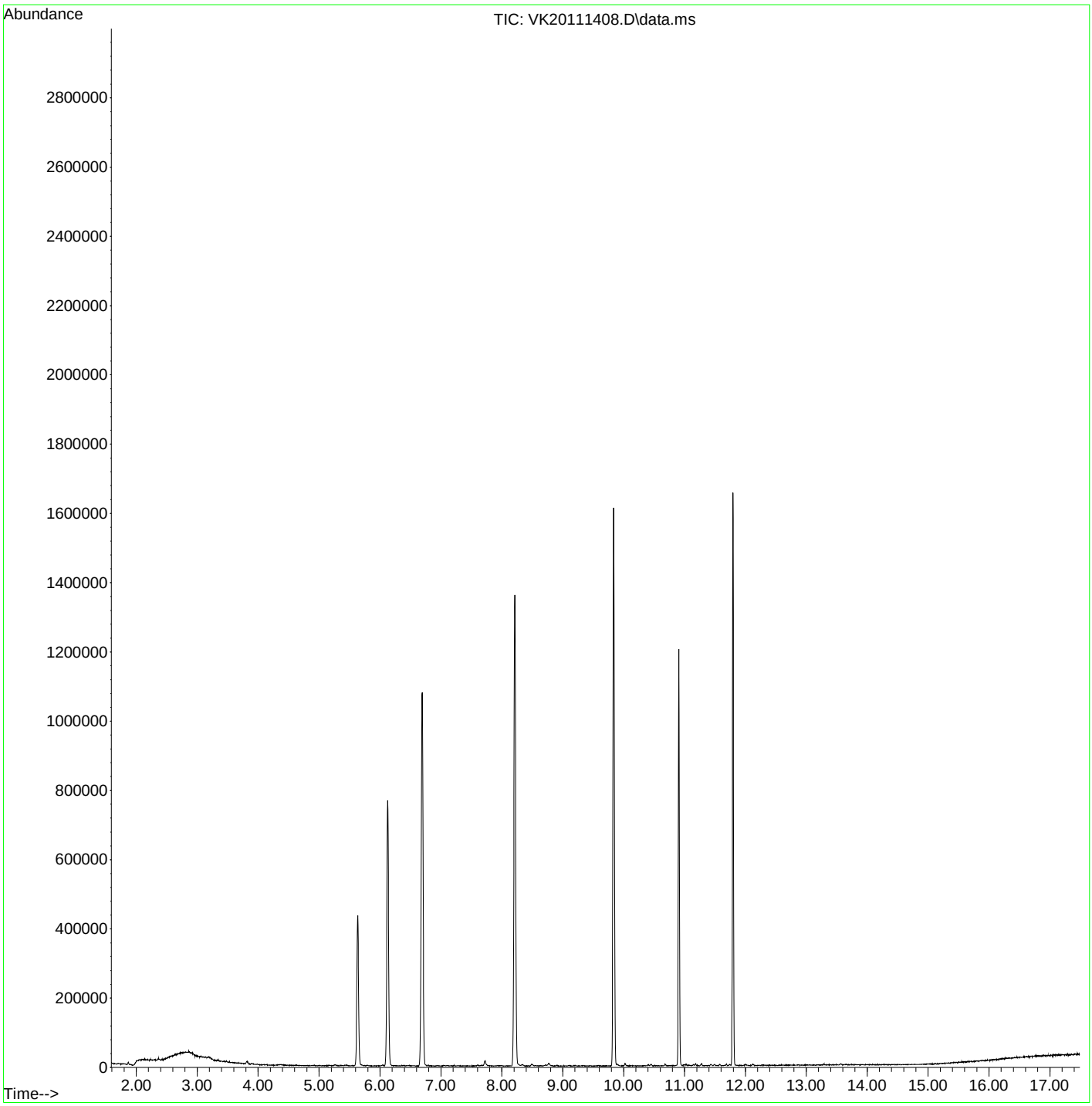
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Bromodichloromethane	7.281	83	792	0.14	ug/L	87
44) c-1,3-Dichloropropene	8.001	75	679	0.11	ug/L	84
46) Toluene	8.274	91	3437	0.17	ug/L	78
47) Tetrachloroethene (PCE)	8.724	166	531	0.08	ug/L	69
48) 4-Methyl-2-Pentanone (...	8.706	43	1264	0.32	ug/L	77
49) t-1,3-Dichloropropene	8.736	75	351	0.07	ug/L	71
50) 1,1,2-Trichloroethane	8.915	97	652	0.14	ug/L	74
51) Dibromochloromethane	9.099	129	309	0.08	ug/L #	67
52) 1,3-Dichloropropane	9.197	76	1034	0.15	ug/L	90
53) 1,2-Dibromoethane (EDB)	9.339	107	519	0.11	ug/L	93
54) 2-Hexanone	9.586	43	717	0.26	ug/L	92
55) Chlorobenzene	9.849	112	808	0.06	ug/L #	1
56) Ethylbenzene	9.883	91	2917	0.14	ug/L	95
57) 1,1,1,2-Tetrachloroethane	9.909	131	250	0.06	ug/L	87
58) m,p-Xylenes (2)	10.025	91	4170	0.28	ug/L	96
59) o-Xylene	10.404	91	2486	0.16	ug/L	79
60) Styrene	10.449	104	2001	0.16	ug/L	91
61) Bromoform	10.456	173	116	0.71	ug/L #	37
62) Isopropylbenzene	10.677	105	2851	0.15	ug/L	80
65) Bromobenzene	10.992	156	569	0.11	ug/L #	70
66) n-Propylbenzene	11.026	91	3098	0.17	ug/L	96
67) 1,1,2,2-Tetrachloroethane	11.075	83	985	0.24	ug/L	67
68) 2-Chlorotoluene	11.142	126	548	0.13	ug/L	84
69) 1,3,5-Trimethylbenzene	11.180	105	2219	0.17	ug/L	78
70) 1,2,3-Trichloropropane	11.180	110	161	0.10	ug/L #	24
71) t-1,4-Dichloro-2-butene	11.210	88	23	0.04	ug/L #	10
72) 4-Chlorotoluene	11.281	91	1864	0.17	ug/L	99
73) tert-Butylbenzene	11.438	91	1350	0.20	ug/L #	48
74) 1,2,4-Trimethylbenzene	11.487	105	2279	0.17	ug/L	73
75) sec-Butylbenzene	11.577	105	2610	0.17	ug/L	84
76) 4-Isopropyltoluene	11.686	119	2090	0.15	ug/L	79
77) 1,3-Dichlorobenzene	11.746	146	1028	0.12	ug/L	96
78) 1,4-Dichlorobenzene	11.813	146	1146	0.13	ug/L #	70
79) n-Butylbenzene	12.008	91	1772	0.17	ug/L	85
80) 1,2-Dichlorobenzene	12.124	146	1215	0.15	ug/L	79
81) 1,2-Dibromo-3-Chloropr...	12.739	157	87	0.61	ug/L #	19
82) Hexachlorobutadiene	13.264	223	74	0.06	ug/L #	18
83) 1,2,4-Trichlorobenzene	13.290	180	772	0.14	ug/L	96
84) Naphthalene	13.564	128	3017	0.19	ug/L	97
85) 1,2,3-Trichlorobenzene	13.725	180	741	0.14	ug/L #	69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111408.D
Acq On : 14 Nov 2020 06:53 pm
Operator : TNL
Sample : 0K14006-CAL1
Misc : 1X 5mL DI+MeOH 0.1 PPB
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 15 15:13:44 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111408.D
Acq On : 14 Nov 2020 06:53 pm
Operator : TNL
Sample : 0K14006-CAL1
Misc : 1X 5mL DI+MeOH 0.1 PPB
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QLast Update : Tue Oct 13 13:07:05 2020
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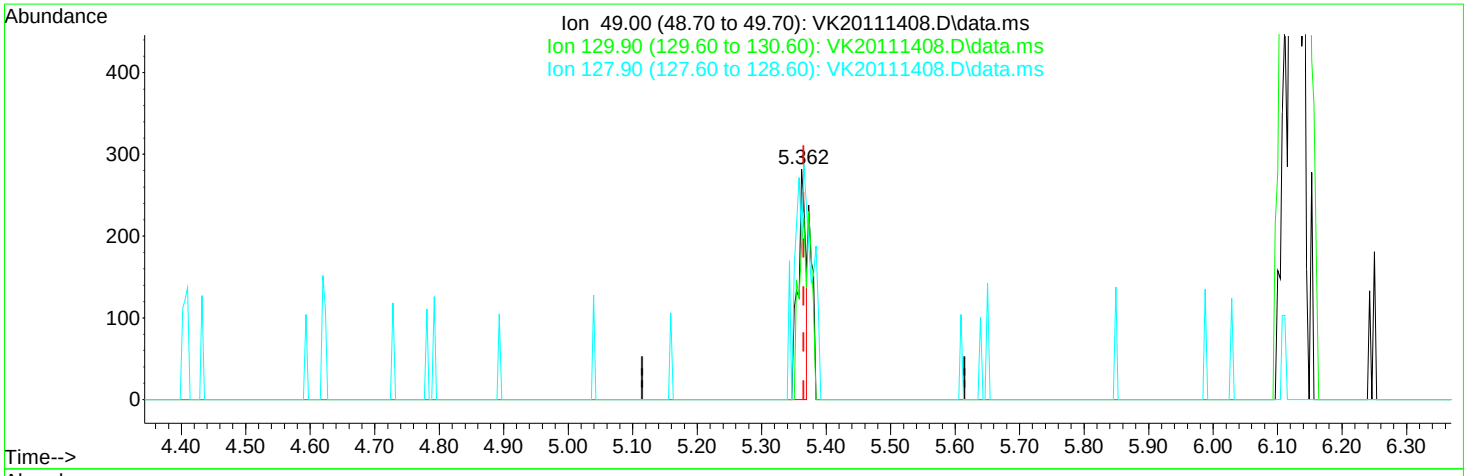

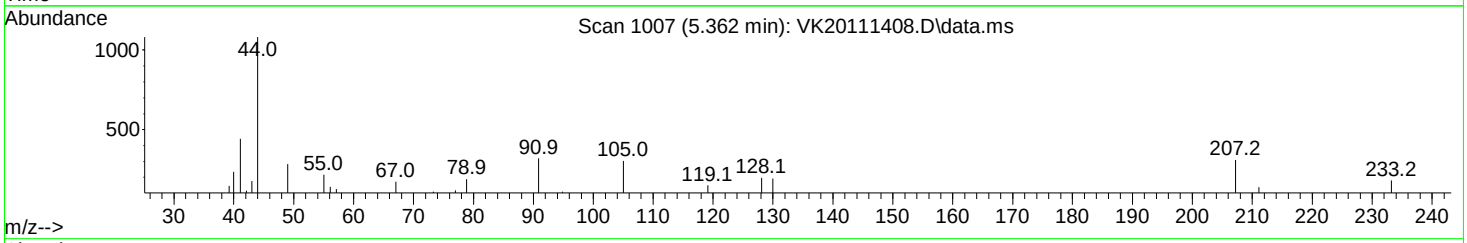

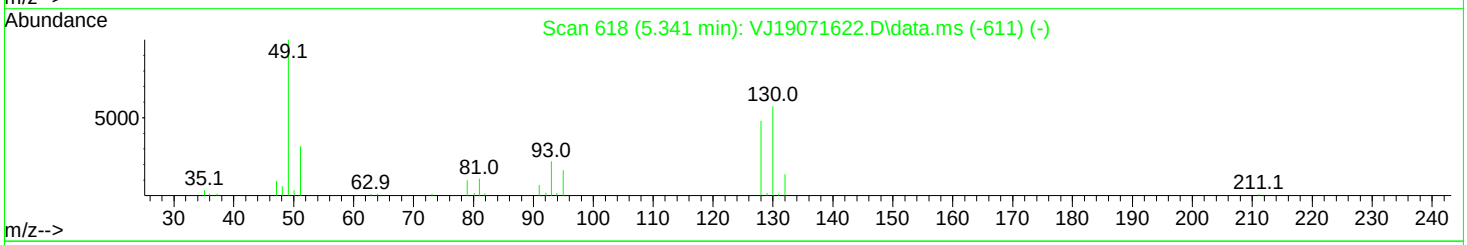

TIC: VK20111408.D\data.ms

(25) Bromochloromethane

5.362min (-0.003) 0.07 ug/L

response 235

Ion	Exp%	Act%
49.00	100.00	100.00
129.90	79.10	67.73
127.90	62.70	69.50
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111408.D
Acq On : 14 Nov 2020 06:53 pm
Operator : TNL
Sample : 0K14006-CAL1
Misc : 1X 5mL DI+MeOH 0.1 PPB
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 15 15:13:44 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
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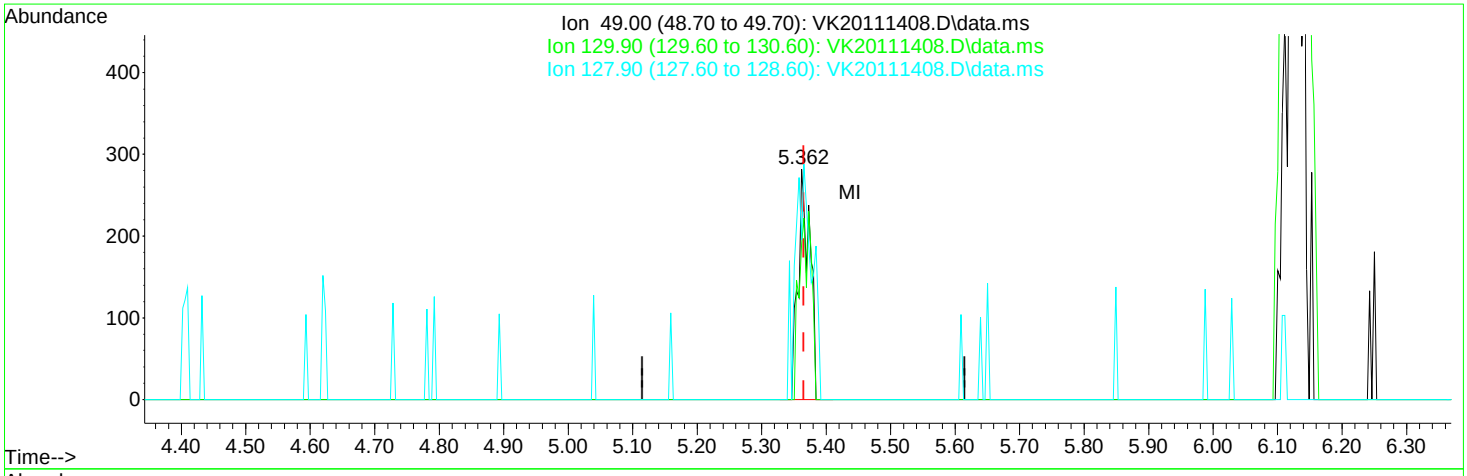

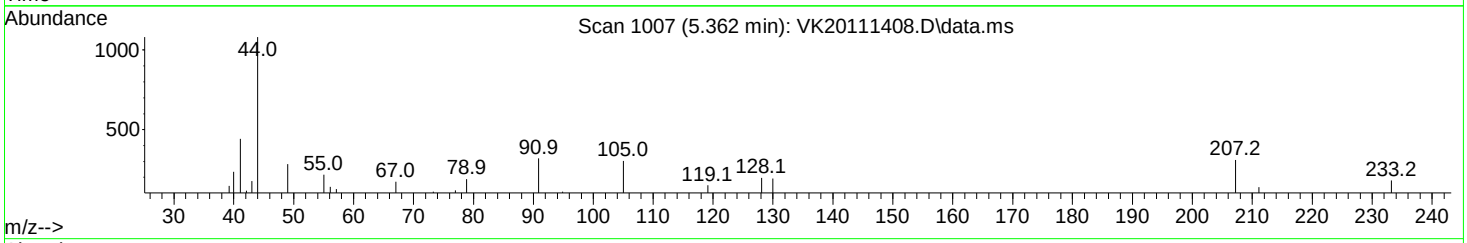

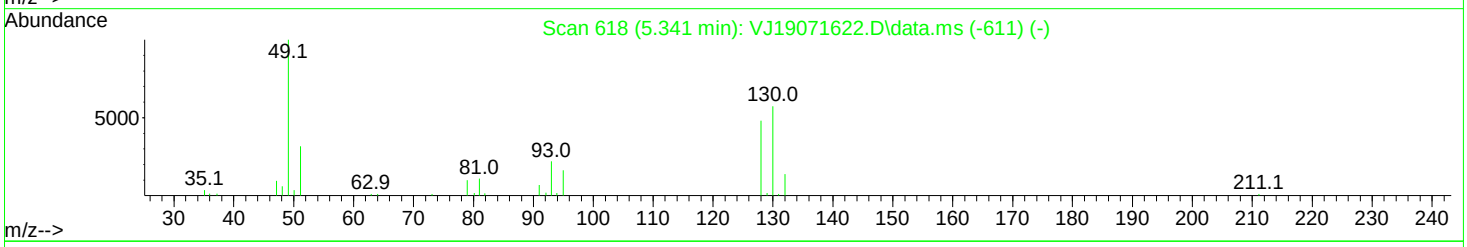

TIC: VK20111408.D\data.ms

(25) Bromochloromethane

5.362min (-0.003) 0.11 ug/L m

response 361

Ion	Exp%	Act%
49.00	100.00	100.00
129.90	79.10	67.73
127.90	62.70	69.50
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111408.D
Acq On : 14 Nov 2020 06:53 pm
Operator : TNL
Sample : 0K14006-CAL1
Misc : 1X 5mL DI+MeOH 0.1 PPB
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 15 15:13:44 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
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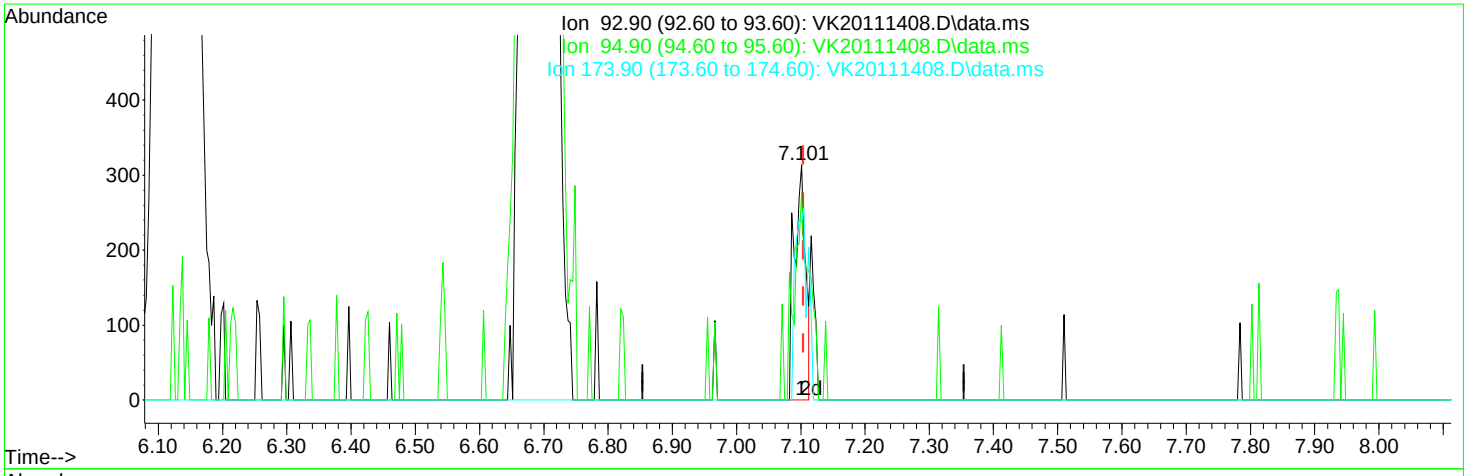
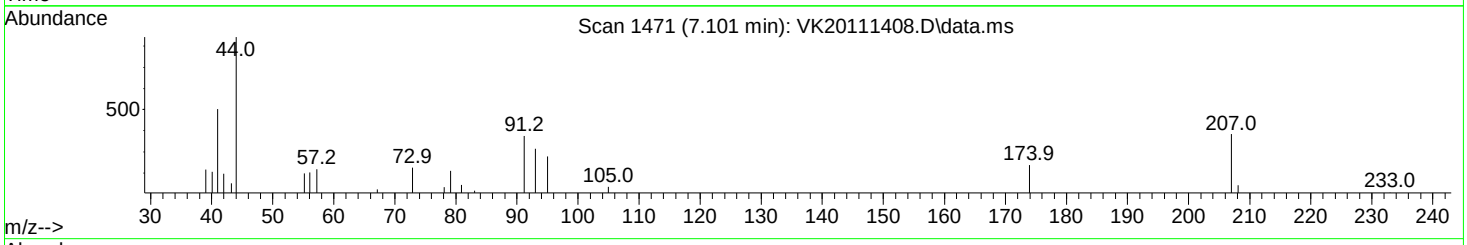
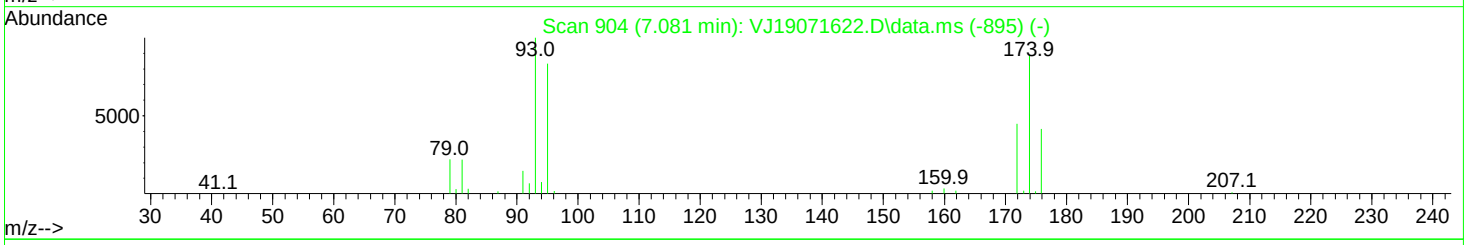






TIC: VK20111408.D\data.ms

(40) Dibromomethane

7.101min (-0.003) 0.11 ug/L

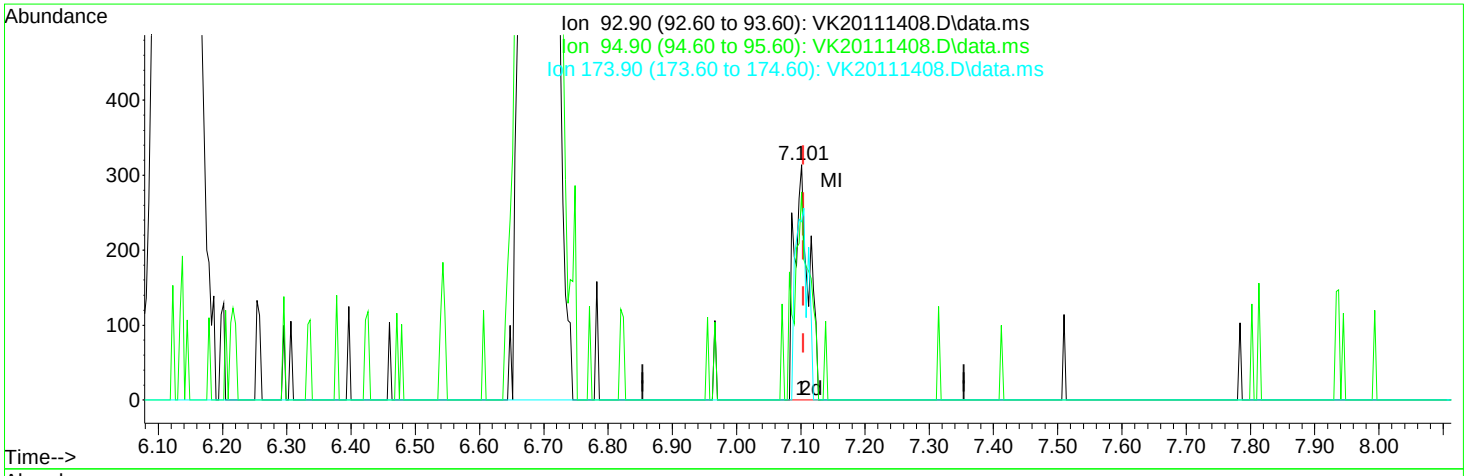
response 385

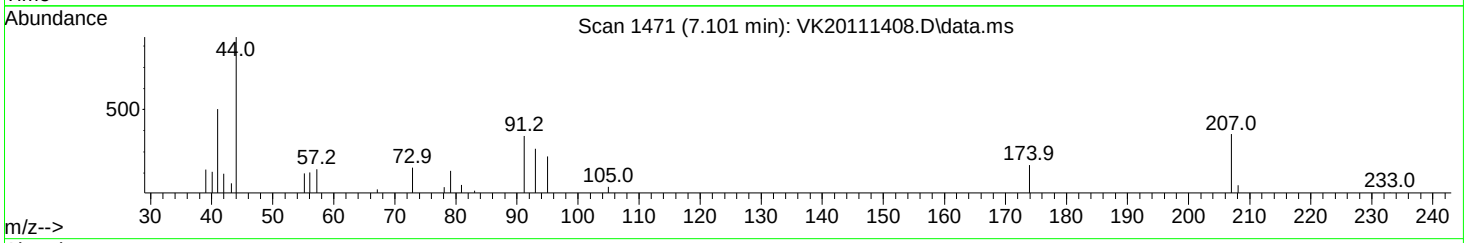
Ion	Exp%	Act%
92.90	100.00	100.00
94.90	83.10	88.54
173.90	115.70	75.80#
0.00	0.00	0.00

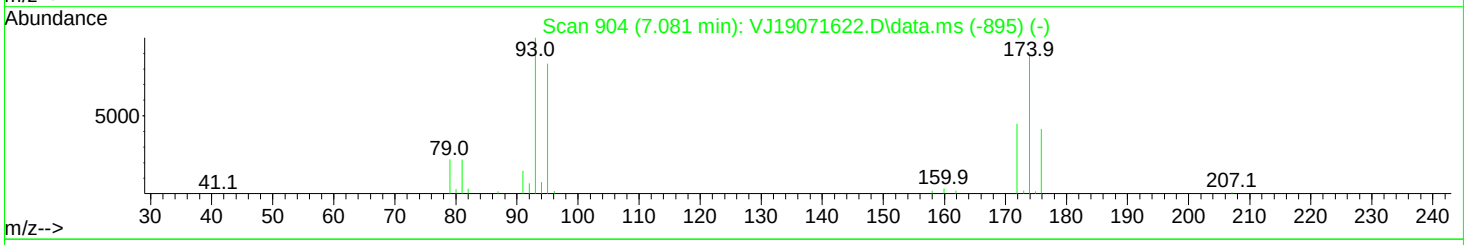
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111408.D
Acq On : 14 Nov 2020 06:53 pm
Operator : TNL
Sample : 0K14006-CAL1
Misc : 1X 5mL DI+MeOH 0.1 PPB
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 15 15:13:44 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration







TIC: VK20111408.D\data.ms

(40) Dibromomethane

7.101min (-0.003) 0.14 ug/L m

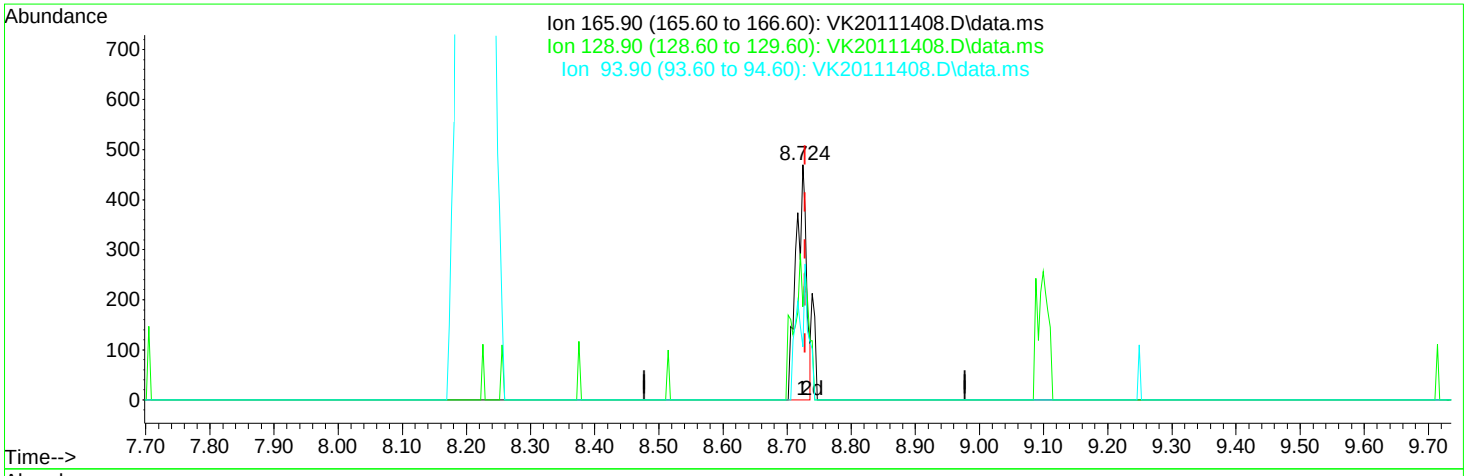
response 491

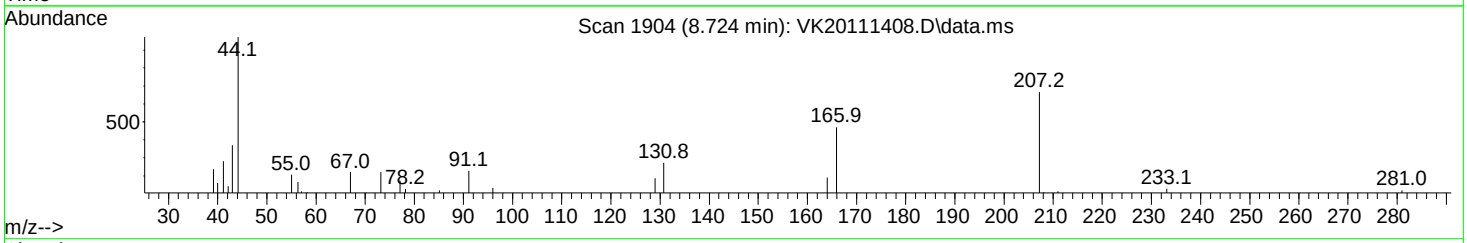
Ion	Exp%	Act%
92.90	100.00	100.00
94.90	83.10	88.54
173.90	115.70	75.80#
0.00	0.00	0.00

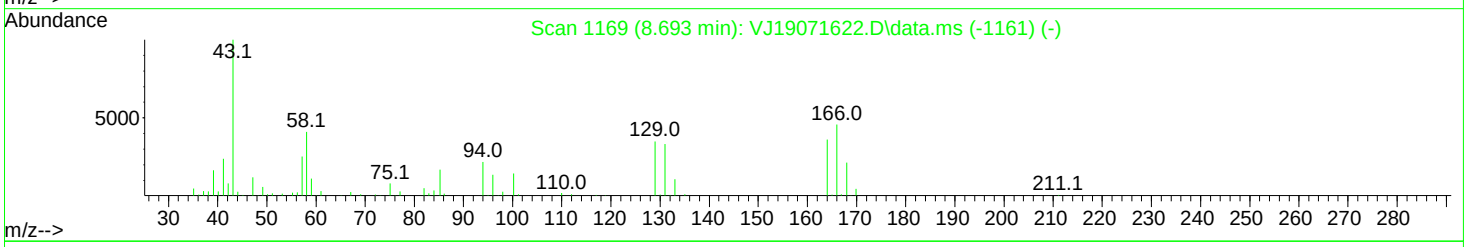
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111408.D
Acq On : 14 Nov 2020 06:53 pm
Operator : TNL
Sample : 0K14006-CAL1
Misc : 1X 5mL DI+MeOH 0.1 PPB
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 15 15:13:44 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration







TIC: VK20111408.D\data.ms

(47) Tetrachloroethene (PCE)

8.724min (-0.004) 0.08 ug/L

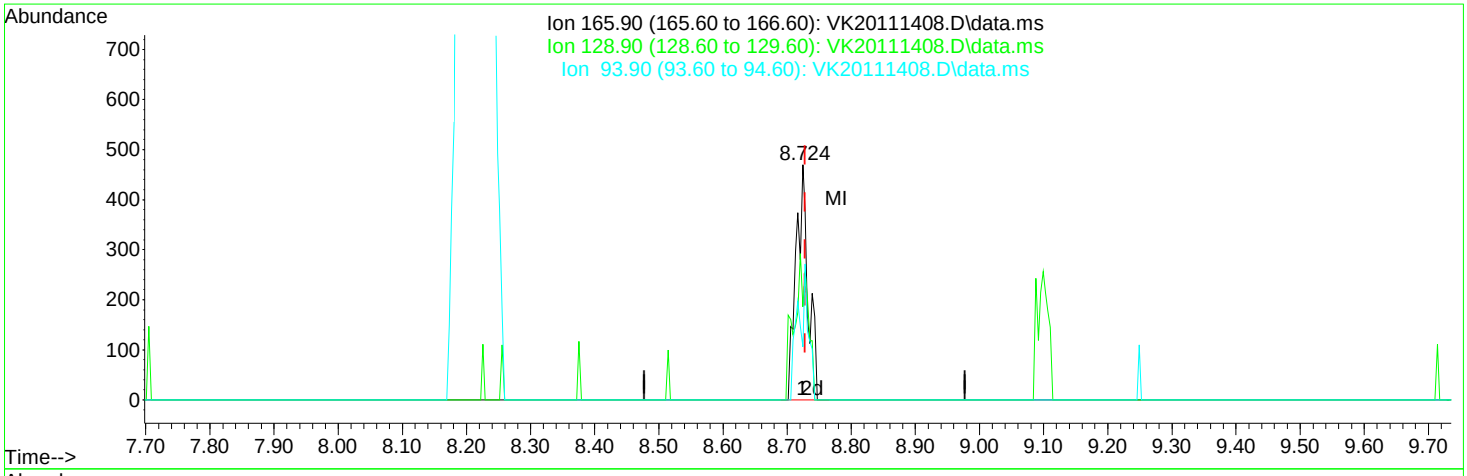
response 531

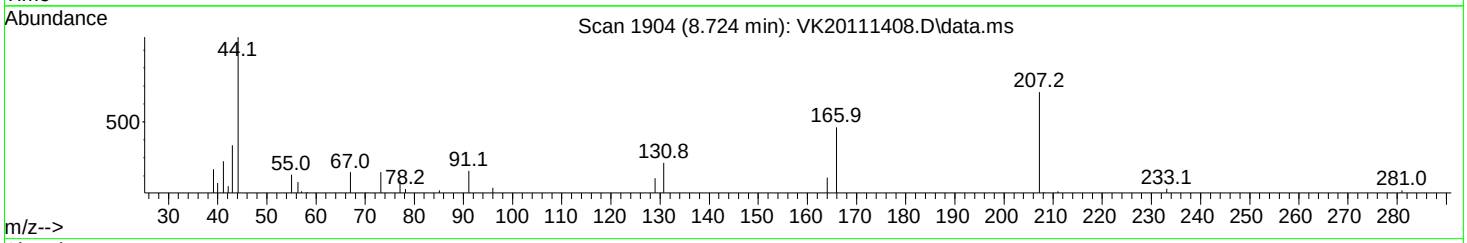
Ion	Exp%	Act%
165.90	100.00	100.00
128.90	68.30	39.57
93.90	36.00	22.55
0.00	0.00	0.00

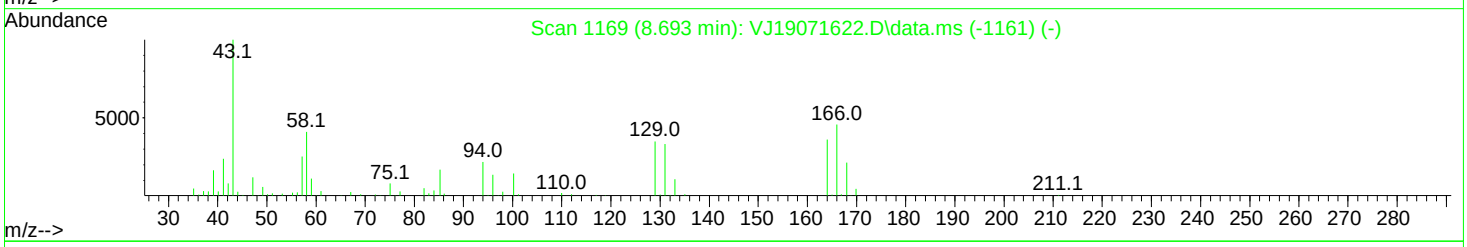
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111408.D
Acq On : 14 Nov 2020 06:53 pm
Operator : TNL
Sample : 0K14006-CAL1
Misc : 1X 5mL DI+MeOH 0.1 PPB
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 15 15:13:44 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration







TIC: VK20111408.D\data.ms

(47) Tetrachloroethene (PCE)

8.724min (-0.004) 0.10 ug/L m

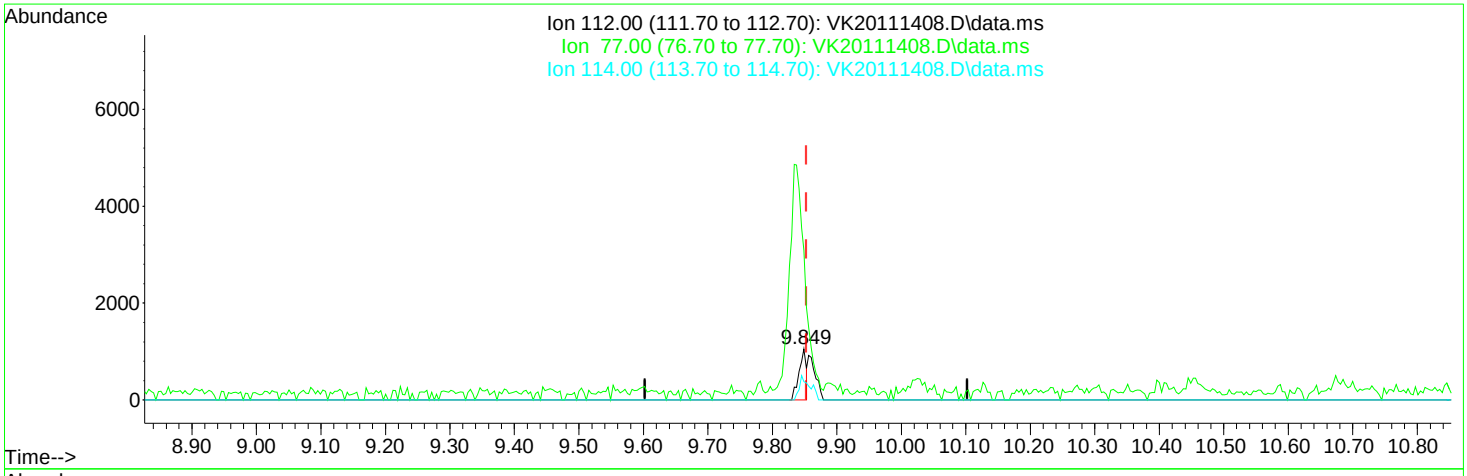
response 616

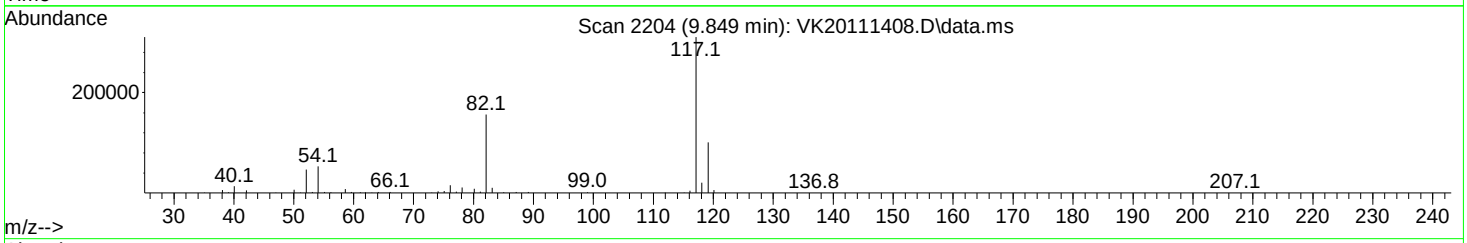
Ion	Exp%	Act%
165.90	100.00	100.00
128.90	68.30	39.57
93.90	36.00	22.55
0.00	0.00	0.00

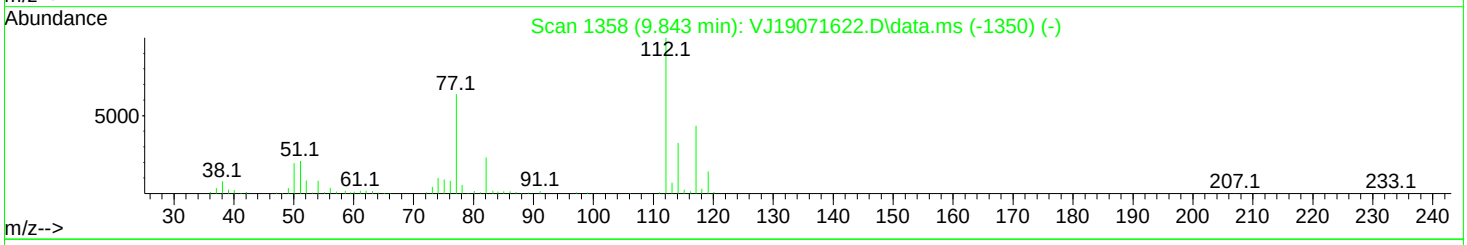
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111408.D
Acq On : 14 Nov 2020 06:53 pm
Operator : TNL
Sample : 0K14006-CAL1
Misc : 1X 5mL DI+MeOH 0.1 PPB
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 15 15:13:44 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration







TIC: VK20111408.D\data.ms

(55) Chlorobenzene (P)

9.849min (-0.004) 0.06 ug/L

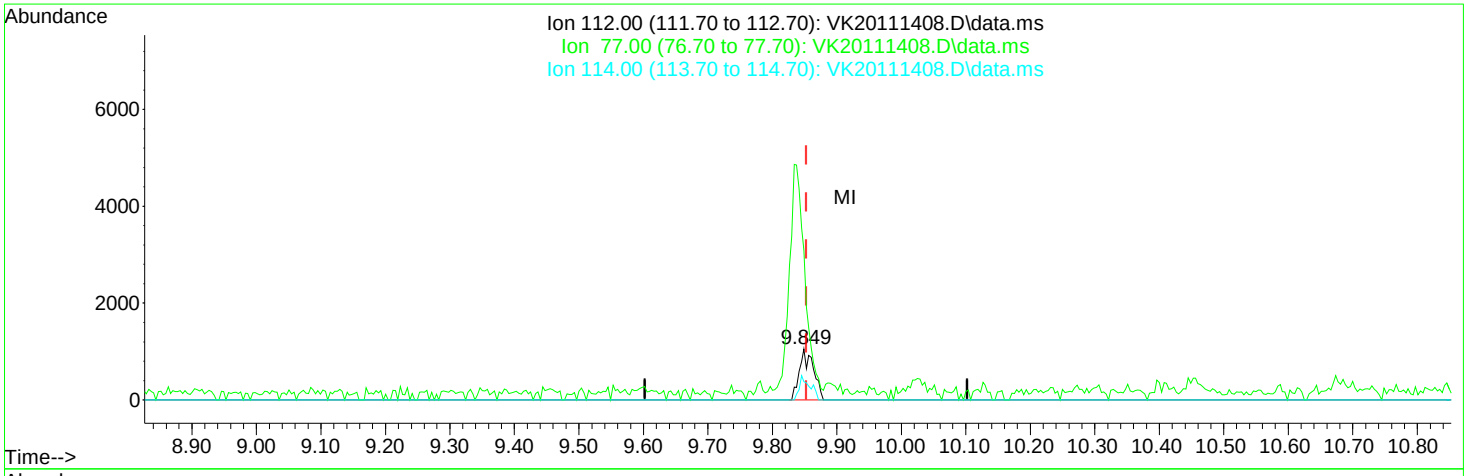
response 808

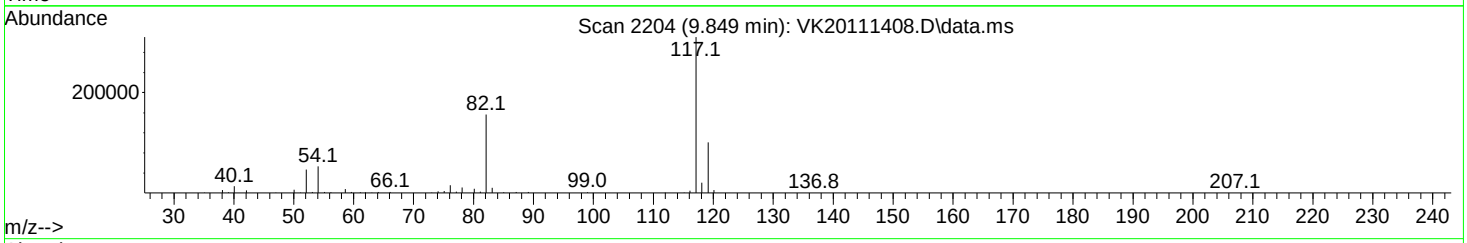
Ion	Exp%	Act%
112.00	100.00	100.00
77.00	58.10	293.26#
114.00	32.10	35.20
0.00	0.00	0.00

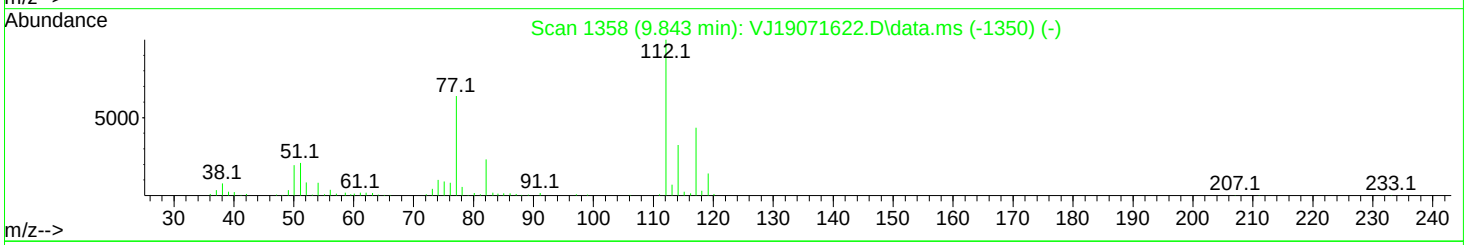
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111408.D
Acq On : 14 Nov 2020 06:53 pm
Operator : TNL
Sample : 0K14006-CAL1
Misc : 1X 5mL DI+MeOH 0.1 PPB
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 15 15:13:44 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration







TIC: VK20111408.D\data.ms

(55) Chlorobenzene (P)

9.849min (-0.004) 0.11 ug/L m

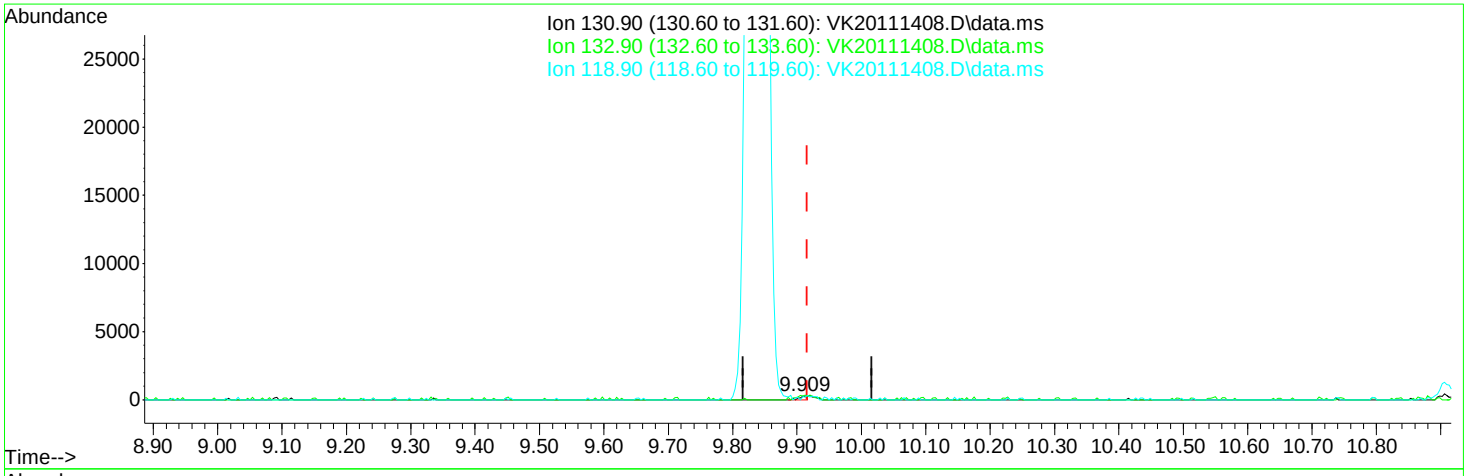
response 1580

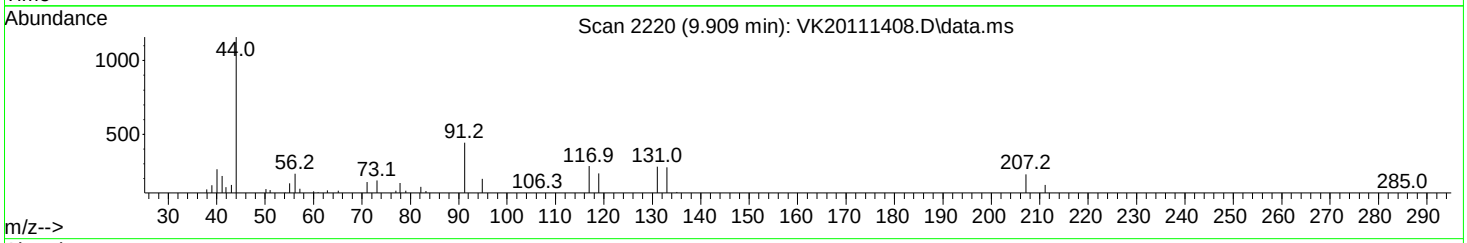
Ion	Exp%	Act%
112.00	100.00	100.00
77.00	58.10	293.26#
114.00	32.10	35.20
0.00	0.00	0.00

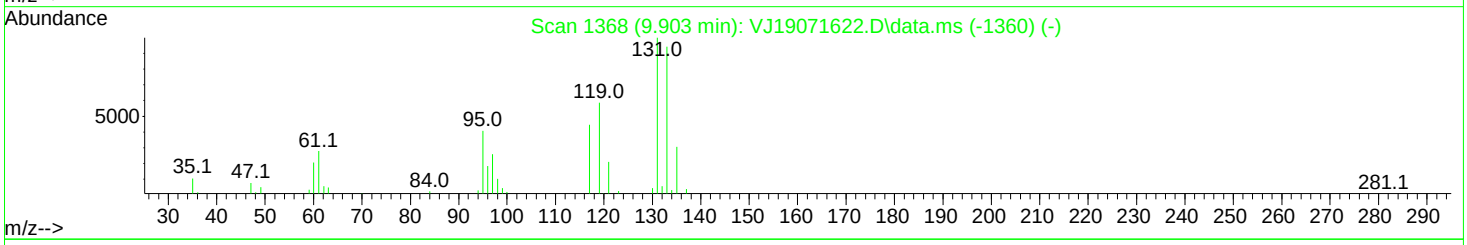
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111408.D
Acq On : 14 Nov 2020 06:53 pm
Operator : TNL
Sample : 0K14006-CAL1
Misc : 1X 5mL DI+MeOH 0.1 PPB
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 15 15:13:44 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration







TIC: VK20111408.D\data.ms

(57) 1,1,1,2-Tetrachloroethane

9.909min (-0.007) 0.06 ug/L

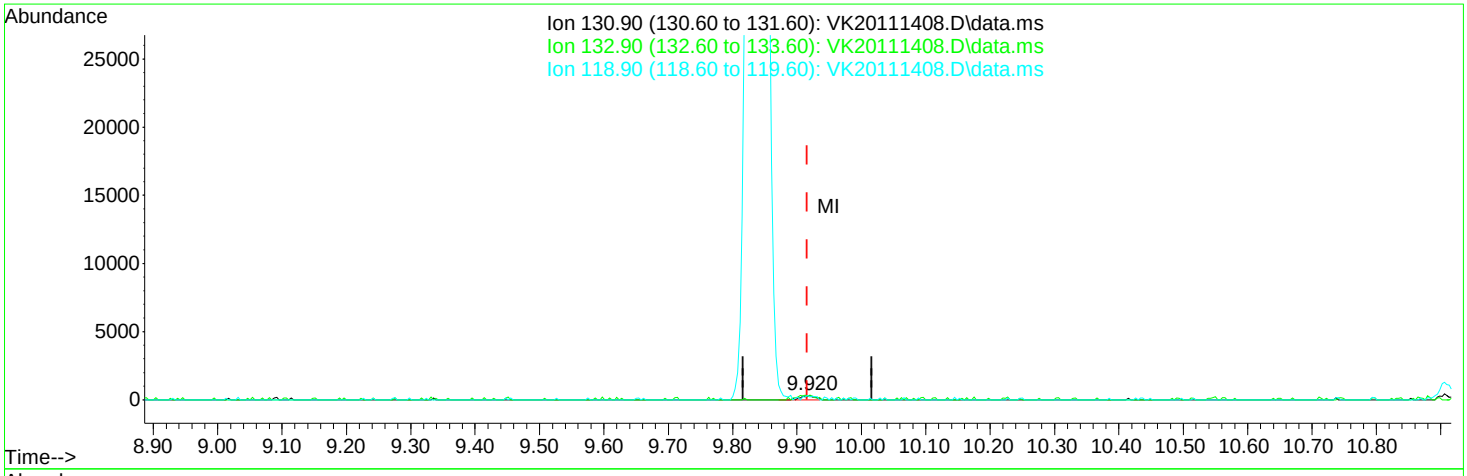
response 250

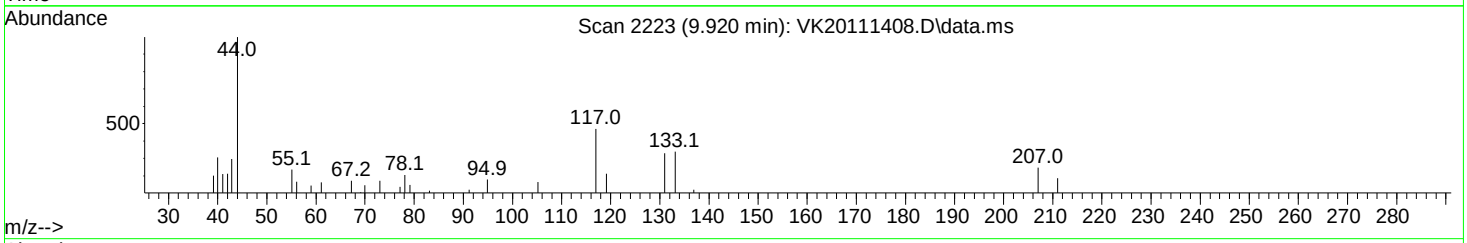
Ion	Exp%	Act%
130.90	100.00	100.00
132.90	94.90	98.93
118.90	63.20	83.57
0.00	0.00	0.00

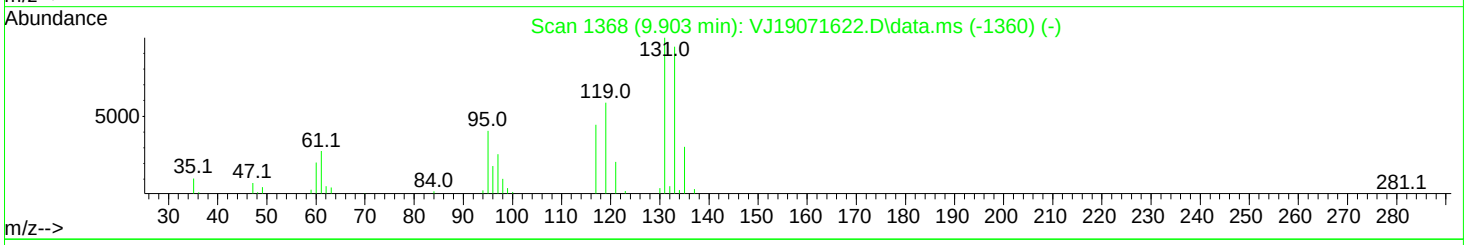
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111408.D
Acq On : 14 Nov 2020 06:53 pm
Operator : TNL
Sample : 0K14006-CAL1
Misc : 1X 5mL DI+MeOH 0.1 PPB
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 15 15:13:44 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration







TIC: VK20111408.D\data.ms

(57) 1,1,1,2-Tetrachloroethane

9.920min (+ 0.004) 0.11 ug/L m

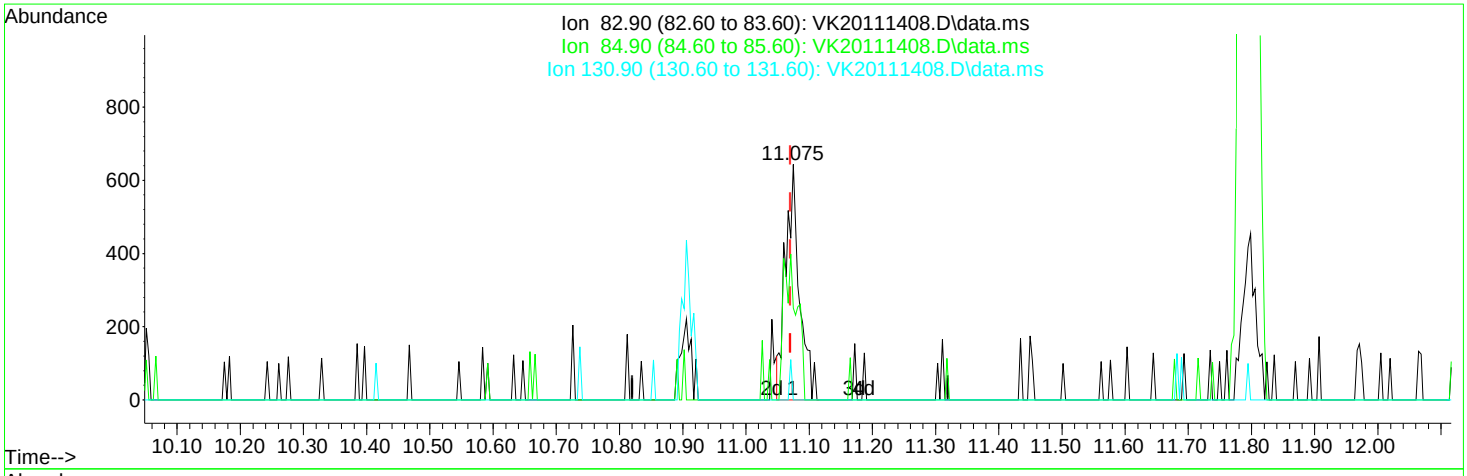
response 462

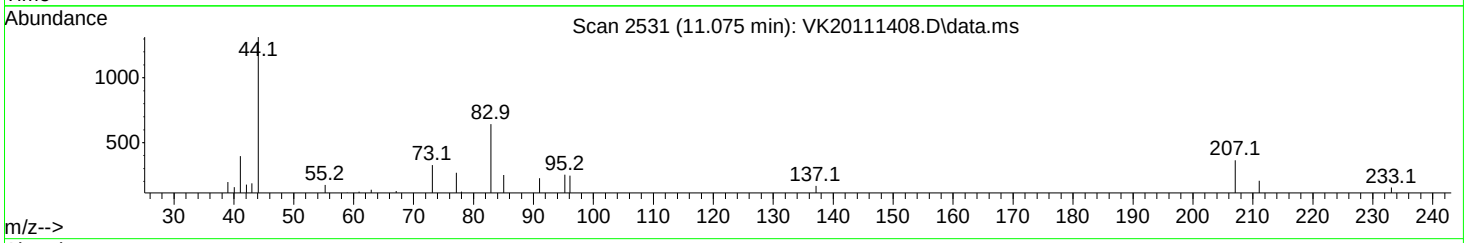
Ion	Exp%	Act%
130.90	100.00	100.00
132.90	94.90	102.73
118.90	63.20	64.24
0.00	0.00	0.00

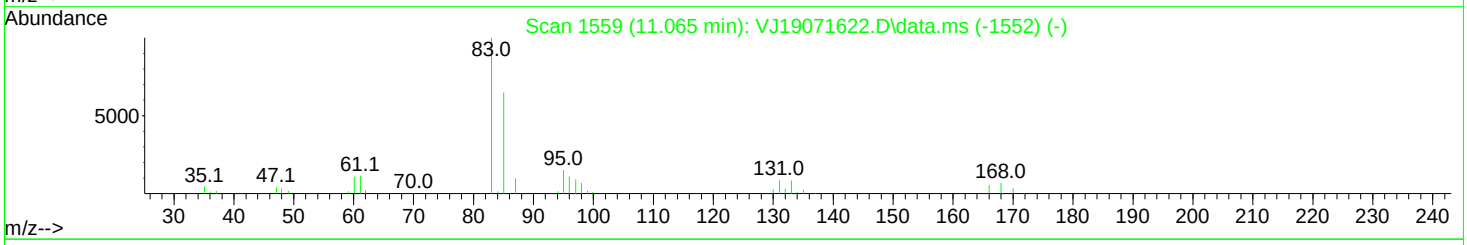
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111408.D
Acq On : 14 Nov 2020 06:53 pm
Operator : TNL
Sample : 0K14006-CAL1
Misc : 1X 5mL DI+MeOH 0.1 PPB
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 15 15:13:44 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration







TIC: VK20111408.D\data.ms

(67) 1,1,2,2-Tetrachloroethane (P)

11.075min (+ 0.005) 0.24 ug/L

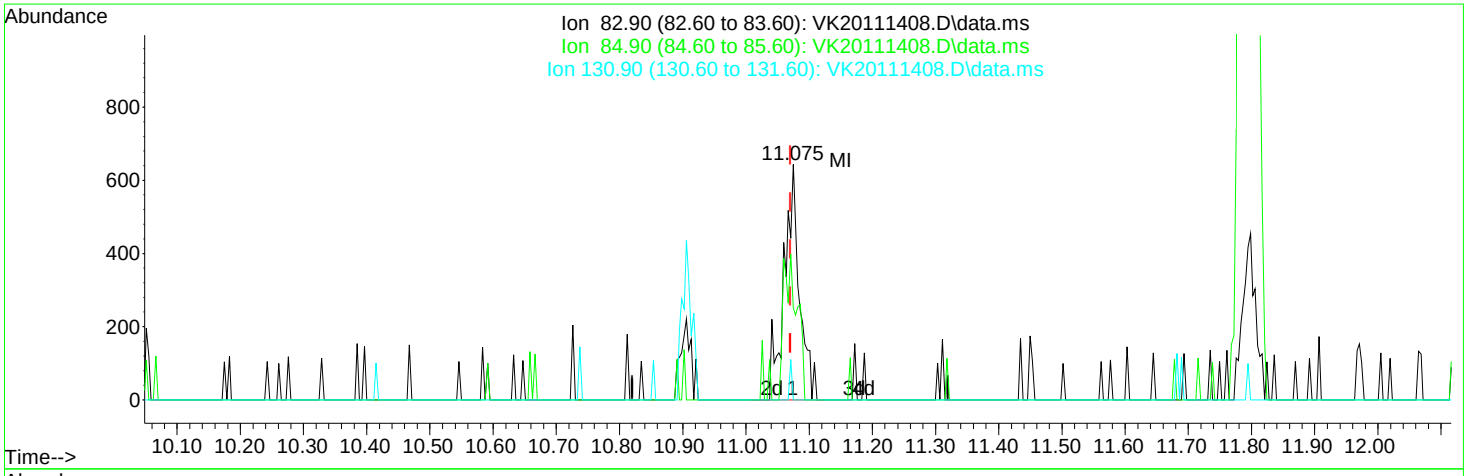
response 985

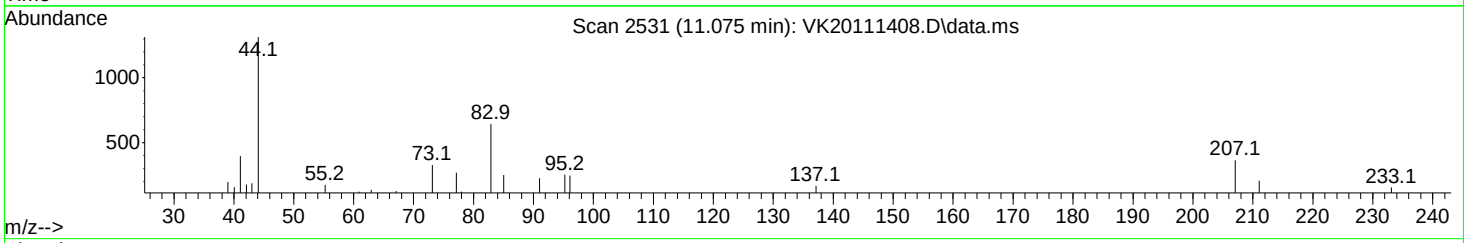
Ion	Exp%	Act%
82.90	100.00	100.00
84.90	66.40	39.04
130.90	10.70	0.00
0.00	0.00	0.00

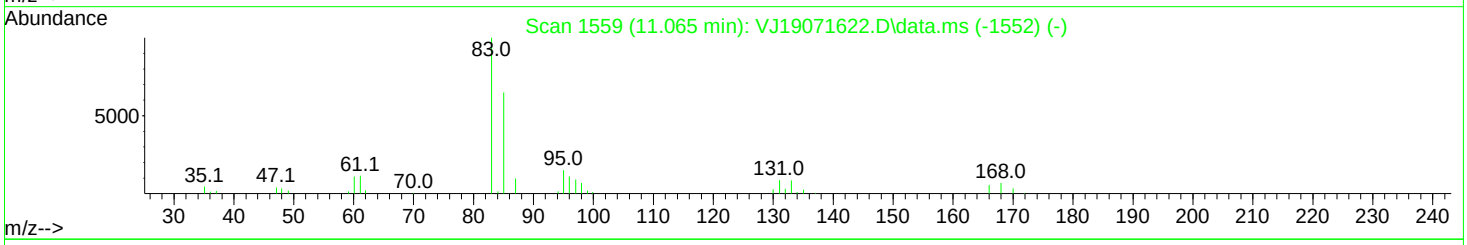
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111408.D
Acq On : 14 Nov 2020 06:53 pm
Operator : TNL
Sample : 0K14006-CAL1
Misc : 1X 5mL DI+MeOH 0.1 PPB
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 15 15:13:44 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration







TIC: VK20111408.D\data.ms

(67) 1,1,2,2-Tetrachloroethane (P)

11.075min (+ 0.005) 0.27 ug/L m

response 1085

Ion	Exp%	Act%
82.90	100.00	100.00
84.90	66.40	39.04
130.90	10.70	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111408.D
Acq On : 14 Nov 2020 06:53 pm
Operator : TNL
Sample : 0K14006-CAL1
Misc : 1X 5mL DI+MeOH 0.1 PPB
ALS Vial : 3 Sample Multiplier: 1

11/15/20 TNL

Quant Time: Nov 15 15:13:44 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.126	99	308626	50.00	ug/L		0.00
43) Chlorobenzene-d5 (I)	9.838	117	868308	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.794	152	367830	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.635	111	279505	43.84	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.692	114	1005099	42.91	ug/L		0.00
45) Toluene-d8 (S)	8.214	98	1059122	52.48	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.910	174	289653	45.92	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.703	85	437	0.11	ug/L		86
3) Chloromethane	1.909	50	1605	0.35	ug/L		91
4) Vinyl Chloride	0.000		0	N.D.	d		
5) Bromomethane	2.363	96	2210	1.02	ug/L		85
6) Chloroethane	0.000		0	N.D.	d		
7) Trichlorofluoromethane	0.000		0	N.D.	d		
8) Ethanol	0.000		0	N.D.	d		
9) 1,1-Dichloroethene	0.000		0	N.D.	d		
10) Carbon Disulfide	3.199	76	450	Below Cal	#		1
11) Freon 113	0.000		0	N.D.	d		
12) Iodomethane	0.000		0	N.D.	d		
13) Methylene Chloride	3.814	84	3480	0.69	ug/L		85
14) Acetone	0.000		0	N.D.	d		
15) t-1,2-Dichloroethene	3.986	61	762	0.13	ug/L		86
16) n-Hexane	0.000		0	N.D.	d		
17) Methyl-tert-butyl-ether	0.000		0	N.D.	d		
18) tert-Butanol (TBA)	0.000		0	N.D.	d		
19) Diisopropyl ether (DIPE)	0.000		0	N.D.	d		
20) 1,1-Dichloroethane	0.000		0	N.D.	d		
21) Acrylonitrile	0.000		0	N.D.	d		
22) Ethyl-tert-butyl ether...	0.000		0	N.D.	d		
23) c-1,2-Dichloroethene	5.167	61	684	0.11	ug/L	#	72
24) 2,2-Dichloropropane	0.000		0	N.D.	d		
25) Bromochloromethane	5.362	49	361m	0.11	ug/L		
26) Chloroform	5.452	83	1072	0.13	ug/L		96
27) Carbon Tetrachloride	0.000		0	N.D.	d		
28) Tetrahydrofuran	0.000		0	N.D.	d		
29) 1,1,1-Trichloroethane	5.662	97	1168	0.16	ug/L		91
31) 1,1-Dichloropropene	0.000		0	N.D.	d		
32) 2-Butanone (MEK)	0.000		0	N.D.	d		
33) Benzene	6.044	78	3011	0.14	ug/L		79
34) tert-Amyl methyl ether...	0.000		0	N.D.	d		
35) 1,2-Dichloroethane (EDC)	6.250	62	661	0.11	ug/L		90
36) iso-Butyl Alcohol	0.000		0	N.D.	d		
38) Trichloroethene (TCE)	6.670	130	637	0.09	ug/L	#	56
39) tert-Amyl ethyl ether ...	0.000		0	N.D.	d		
40) Dibromomethane	7.101	93	491m	0.14	ug/L		
41) 1,2-Dichloropropane	7.210	63	366	0.08	ug/L		92

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111408.D
Acq On : 14 Nov 2020 06:53 pm
Operator : TNL
Sample : 0K14006-CAL1
Misc : 1X 5mL DI+MeOH 0.1 PPB
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 15 15:13:44 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration

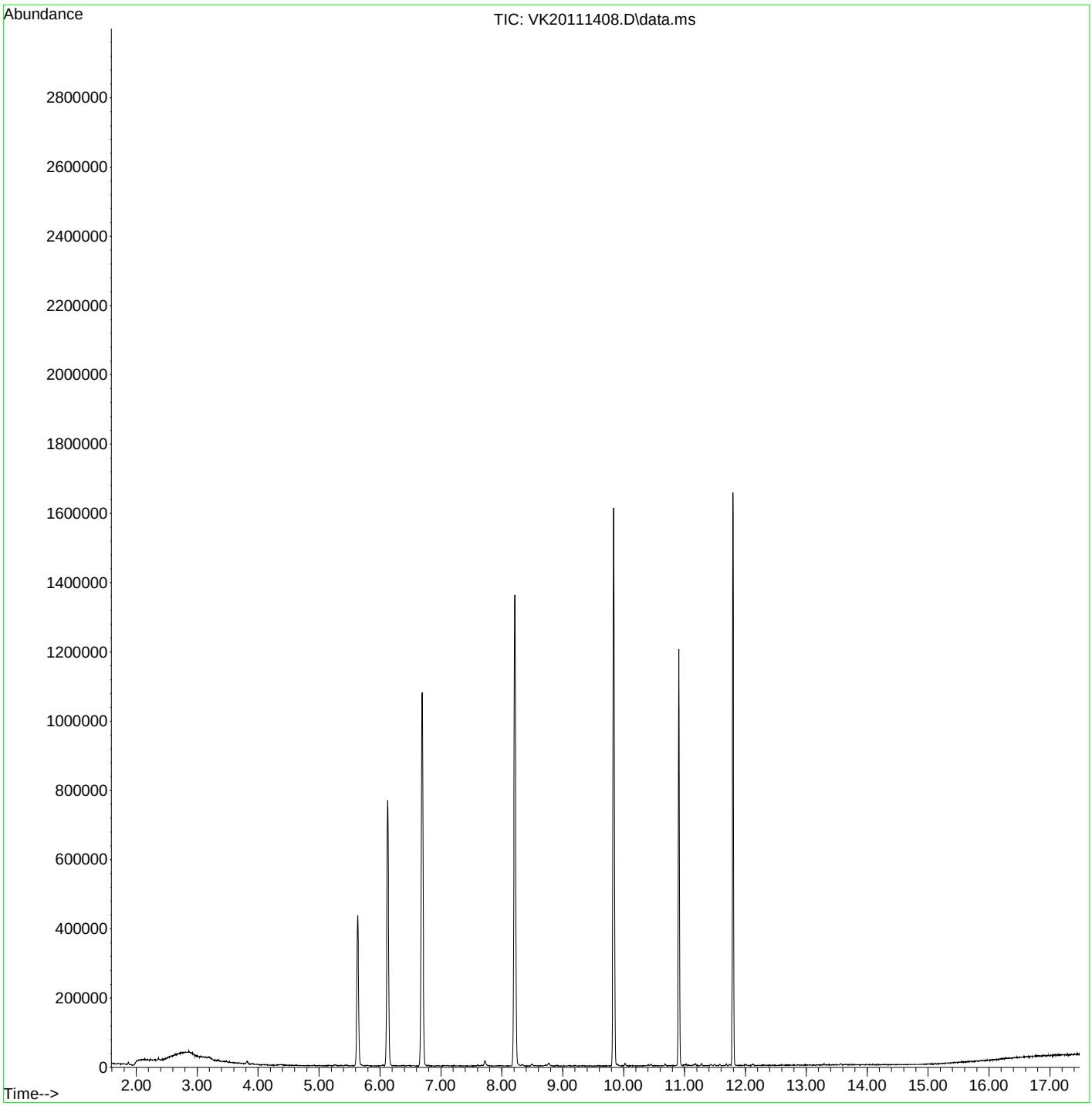
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Bromodichloromethane	7.281	83	792	0.14	ug/L	87
44) c-1,3-Dichloropropene	0.000		0	N.D.	d	
46) Toluene	8.274	91	3437	0.17	ug/L	78
47) Tetrachloroethene (PCE)	8.724	166	616m	0.10	ug/L	
48) 4-Methyl-2-Pentanone (...	8.706	43	1264	0.32	ug/L	77
49) t-1,3-Dichloropropene	0.000		0	N.D.	d	
50) 1,1,2-Trichloroethane	8.915	97	652	0.14	ug/L	74
51) Dibromochloromethane	0.000		0	N.D.	d	
52) 1,3-Dichloropropane	0.000		0	N.D.	d	
53) 1,2-Dibromoethane (EDB)	9.339	107	519	0.11	ug/L	93
54) 2-Hexanone	0.000		0	N.D.	d	
55) Chlorobenzene	9.849	112	1580m	0.11	ug/L	
56) Ethylbenzene	9.883	91	2917	0.14	ug/L	95
57) 1,1,1,2-Tetrachloroethane	9.920	131	462m	0.11	ug/L	
58) m,p-Xylenes (2)	10.025	91	4170	0.28	ug/L	96
59) o-Xylene	10.404	91	2486	0.16	ug/L	79
60) Styrene	10.449	104	2001	0.16	ug/L	91
61) Bromoform	0.000		0	N.D.	d	
62) Isopropylbenzene	10.677	105	2851	0.15	ug/L	80
65) Bromobenzene	10.992	156	569	0.11	ug/L #	70
66) n-Propylbenzene	11.026	91	3098	0.17	ug/L	96
67) 1,1,2,2-Tetrachloroethane	11.075	83	1085m	0.27	ug/L	
68) 2-Chlorotoluene	11.142	126	548	0.13	ug/L	84
69) 1,3,5-Trimethylbenzene	11.180	105	2219	0.17	ug/L	78
70) 1,2,3-Trichloropropane	0.000		0	N.D.	d	
71) t-1,4-Dichloro-2-butene	0.000		0	N.D.	d	
72) 4-Chlorotoluene	11.281	91	1864	0.17	ug/L	99
73) tert-Butylbenzene	11.438	91	1350	0.20	ug/L #	48
74) 1,2,4-Trimethylbenzene	11.487	105	2279	0.17	ug/L	73
75) sec-Butylbenzene	11.577	105	2610	0.17	ug/L	84
76) 4-Isopropyltoluene	11.686	119	2090	0.15	ug/L	79
77) 1,3-Dichlorobenzene	11.746	146	1028	0.12	ug/L	96
78) 1,4-Dichlorobenzene	11.813	146	1146	0.13	ug/L #	70
79) n-Butylbenzene	12.008	91	1772	0.17	ug/L	85
80) 1,2-Dichlorobenzene	12.124	146	1215	0.15	ug/L	79
81) 1,2-Dibromo-3-Chloropr...	0.000		0	N.D.	d	
82) Hexachlorobutadiene	0.000		0	N.D.	d	
83) 1,2,4-Trichlorobenzene	13.290	180	772	0.14	ug/L	96
84) Naphthalene	13.564	128	3017	0.19	ug/L	97
85) 1,2,3-Trichlorobenzene	13.725	180	741	0.14	ug/L #	69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111408.D
Acq On : 14 Nov 2020 06:53 pm
Operator : TNL
Sample : 0K14006-CAL1
Misc : 1X 5mL DI+MeOH 0.1 PPB
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 15 15:13:44 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111409.D
Acq On : 14 Nov 2020 07:20 pm
Operator : TNL
Sample : 0K14006-CAL2
Misc : 1X 5mL DI+MeOH 0.2 PPB
ALS Vial : 4 Sample Multiplier: 1

11/15/20 TNL

Quant Time: Nov 15 15:20:57 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.126	99	302866	50.00	ug/L	#	0.00
43) Chlorobenzene-d5 (I)	9.838	117	851686	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.794	152	367894	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.635	111	270820	43.29	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.689	114	977264	42.51	ug/L		0.00
45) Toluene-d8 (S)	8.211	98	1038536	52.46	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.910	174	289451	45.88	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.696	85	924	0.23	ug/L		91
3) Chloromethane	1.909	50	1809	0.40	ug/L		94
4) Vinyl Chloride	1.999	62	592	0.24	ug/L		93
5) Bromomethane	2.363	96	1811	0.85	ug/L		76
6) Chloroethane	2.509	64	281	0.43	ug/L	#	1
7) Trichlorofluoromethane	2.651	101	412	0.32	ug/L	#	71
8) Ethanol	3.412	45	466	5.52	ug/L	#	29
9) 1,1-Dichloroethene	3.176	61	231	0.13	ug/L	#	47
10) Carbon Disulfide	3.203	76	1437	Below Cal		#	2
11) Freon 113	3.244	101	717	0.19	ug/L		81
12) Iodomethane	3.330	142	841	4.19	ug/L		77
13) Methylene Chloride	3.814	84	3811	0.77	ug/L		83
14) Acetone	3.904	43	1711	1.09	ug/L		65
15) t-1,2-Dichloroethene	3.990	61	1423	0.24	ug/L		96
16) n-Hexane	4.091	86	118	0.12	ug/L	#	42
17) Methyl-tert-butyl-ether	4.143	73	4064	0.27	ug/L		81
18) tert-Butanol (TBA)	4.353	59	8964	11.86	ug/L	#	68
19) Diisopropyl ether (DIPE)	4.537	45	883	0.07	ug/L	#	41
20) 1,1-Dichloroethane	4.608	63	1801	0.23	ug/L		80
21) Acrylonitrile	4.657	53	206	0.10	ug/L	#	57
22) Ethyl-tert-butyl ether...	4.916	59	821	0.06	ug/L		75
23) c-1,2-Dichloroethene	5.167	61	1315	0.22	ug/L		87
24) 2,2-Dichloropropane	5.276	77	1076	0.19	ug/L		94
25) Bromochloromethane	5.365	49	678	0.21	ug/L		82
26) Chloroform	5.452	83	2040	0.25	ug/L		86
27) Carbon Tetrachloride	5.602	117	831	0.15	ug/L		91
28) Tetrahydrofuran	5.628	42	199	0.11	ug/L	#	26
29) 1,1,1-Trichloroethane	5.658	97	970	0.13	ug/L		83
31) 1,1-Dichloropropene	5.789	75	1488	0.24	ug/L		80
32) 2-Butanone (MEK)	5.789	43	538	0.22	ug/L		84
33) Benzene	6.048	78	4639	0.22	ug/L		95
34) tert-Amyl methyl ether...	6.171	73	1007	0.07	ug/L		62
35) 1,2-Dichloroethane (EDC)	6.254	62	1358	0.24	ug/L		67
36) iso-Butyl Alcohol	6.370	43	2107	7.49	ug/L		98
38) Trichloroethene (TCE)	6.659	130	832	0.11	ug/L	#	67
39) tert-Amyl ethyl ether ...	6.936	59	566	0.06	ug/L		86
40) Dibromomethane	7.097	93	478	0.14	ug/L	#	71
41) 1,2-Dichloropropane	7.206	63	1109	0.24	ug/L		84

Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111409.D
Acq On : 14 Nov 2020 07:20 pm
Operator : TNL
Sample : 0K14006-CAL2
Misc : 1X 5mL DI+MeOH 0.2 PPB
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 15 15:20:57 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration

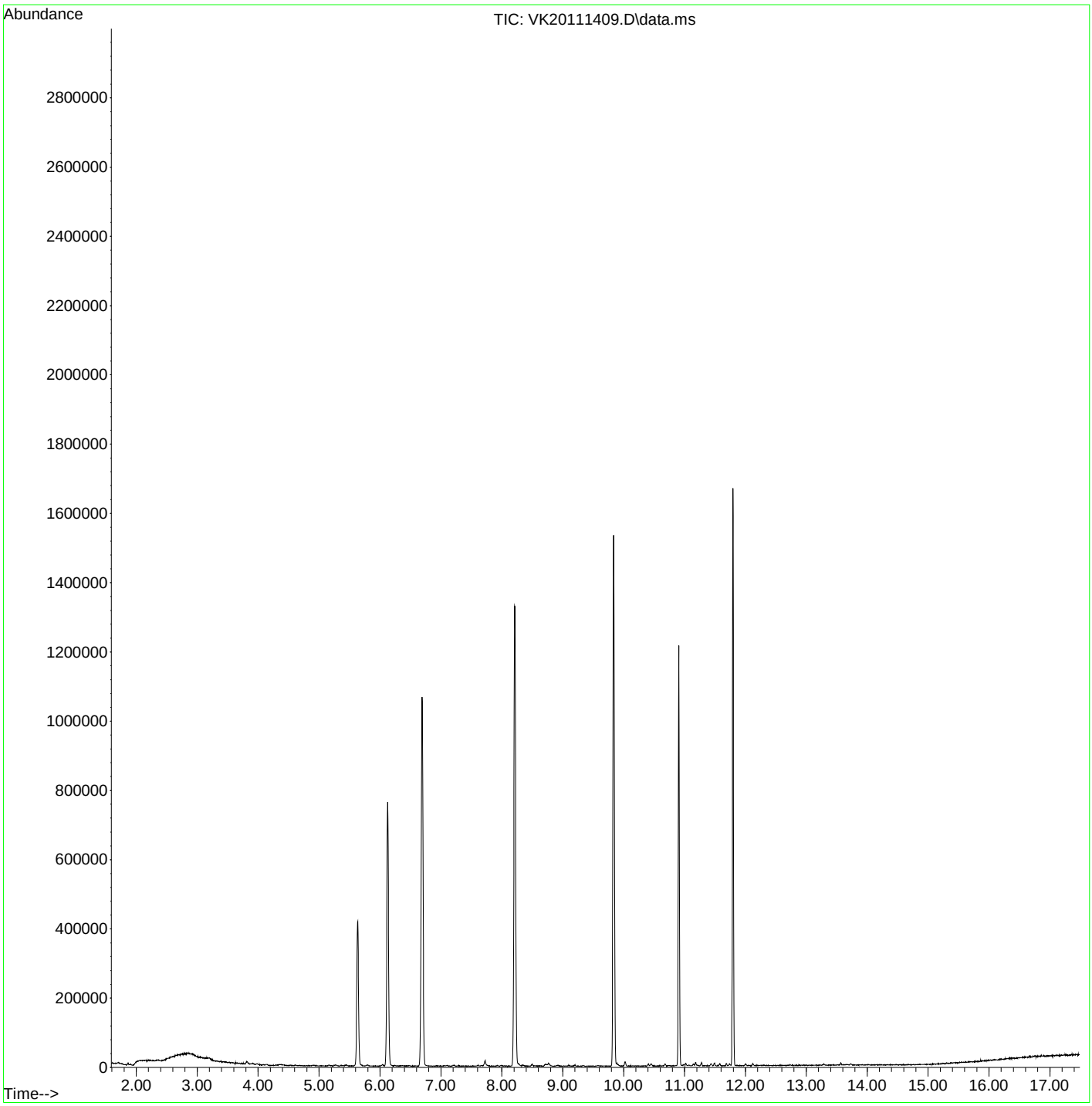
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) Bromodichloromethane	7.296	83	1317	0.24	ug/L		95
44) c-1,3-Dichloropropene	7.986	75	1384	0.23	ug/L		89
46) Toluene	8.278	91	5669	0.29	ug/L		83
47) Tetrachloroethene (PCE)	8.720	166	1178	0.19	ug/L		91
48) 4-Methyl-2-Pentanone (...	8.709	43	2443	0.64	ug/L		91
49) t-1,3-Dichloropropene	8.739	75	1165	0.23	ug/L		79
50) 1,1,2-Trichloroethane	8.915	97	1212	0.27	ug/L		83
51) Dibromochloromethane	9.099	129	482	0.13	ug/L		82
52) 1,3-Dichloropropane	9.200	76	1731	0.25	ug/L		91
53) 1,2-Dibromoethane (EDB)	9.332	107	1034	0.22	ug/L		80
54) 2-Hexanone	9.549	43	67	0.02	ug/L	#	32
55) Chlorobenzene	9.853	112	2868	0.21	ug/L	#	21
56) Ethylbenzene	9.890	91	5060	0.25	ug/L		99
57) 1,1,1,2-Tetrachloroethane	9.920	131	759	0.19	ug/L		86
58) m,p-Xylenes (2)	10.029	91	7993	0.55	ug/L		99
59) o-Xylene	10.407	91	3598	0.24	ug/L		83
60) Styrene	10.452	104	2667	0.21	ug/L		92
61) Bromoform	10.467	173	266	0.75	ug/L		82
62) Isopropylbenzene	10.681	105	4442	0.23	ug/L		95
65) Bromobenzene	10.988	156	1123	0.22	ug/L		80
66) n-Propylbenzene	11.022	91	5418	0.30	ug/L		96
67) 1,1,2,2-Tetrachloroethane	11.071	83	1216	0.30	ug/L	#	62
68) 2-Chlorotoluene	11.146	126	911	0.21	ug/L	#	50
69) 1,3,5-Trimethylbenzene	11.187	105	3512	0.27	ug/L		96
70) 1,2,3-Trichloropropane	11.172	110	433	0.26	ug/L	#	50
71) t-1,4-Dichloro-2-butene	11.195	88	24	0.04	ug/L	#	31
72) 4-Chlorotoluene	11.277	91	3289	0.30	ug/L		89
73) tert-Butylbenzene	11.435	91	2113	0.31	ug/L		81
74) 1,2,4-Trimethylbenzene	11.491	105	3839	0.29	ug/L		93
75) sec-Butylbenzene	11.577	105	3920	0.25	ug/L		89
76) 4-Isopropyltoluene	11.682	119	3248	0.23	ug/L		97
77) 1,3-Dichlorobenzene	11.742	146	1816	0.21	ug/L		85
78) 1,4-Dichlorobenzene	11.806	146	1871	0.21	ug/L	#	1
79) n-Butylbenzene	12.004	91	2641	0.25	ug/L		92
80) 1,2-Dichlorobenzene	12.124	146	1778	0.22	ug/L		81
81) 1,2-Dibromo-3-Chloropr...	12.739	157	193	0.69	ug/L	#	4
82) Hexachlorobutadiene	13.264	223	76	0.06	ug/L	#	54
83) 1,2,4-Trichlorobenzene	13.290	180	1214	0.21	ug/L		80
84) Naphthalene	13.564	128	4077	0.25	ug/L		89
85) 1,2,3-Trichlorobenzene	13.732	180	1161	0.21	ug/L		93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111409.D
Acq On : 14 Nov 2020 07:20 pm
Operator : TNL
Sample : 0K14006-CAL2
Misc : 1X 5mL DI+MeOH 0.2 PPB
ALS Vial : 4 Sample Multiplier: 1

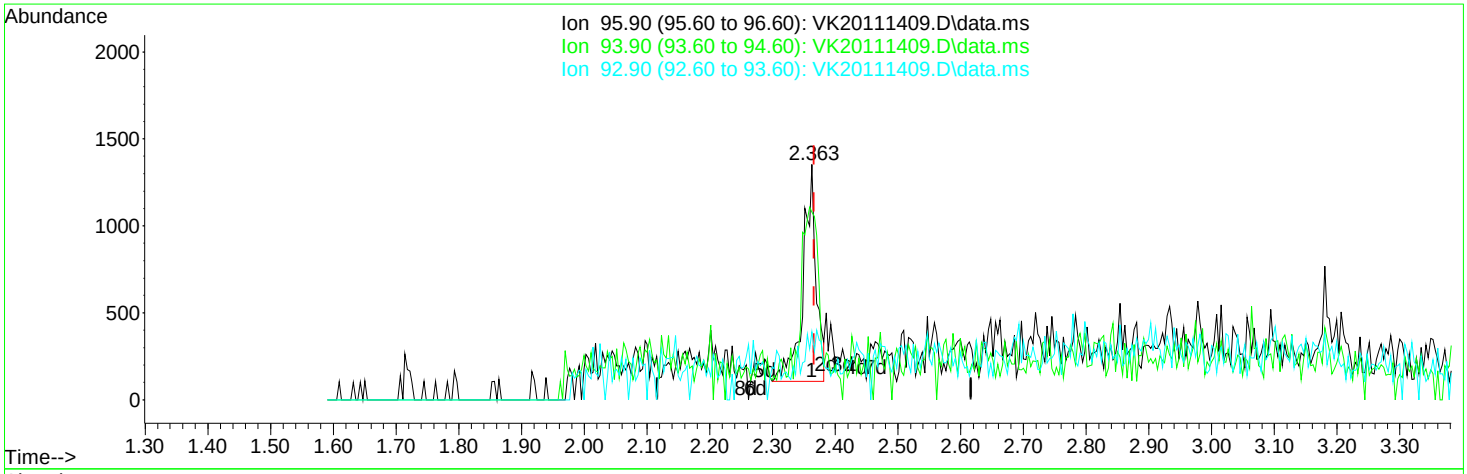
Quant Time: Nov 15 15:20:57 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration

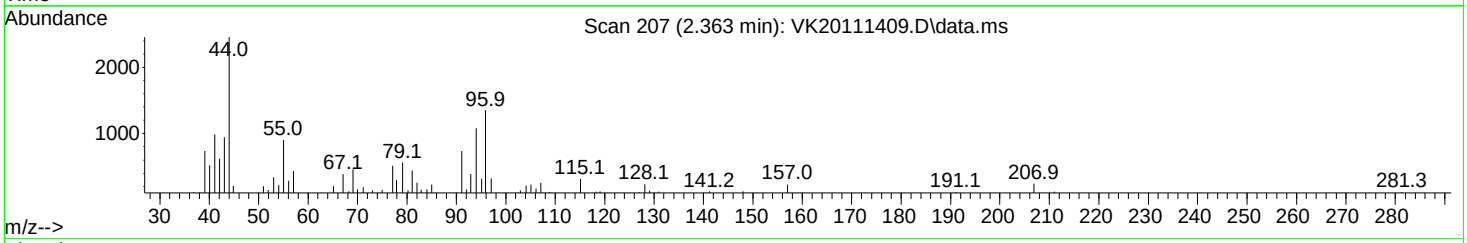


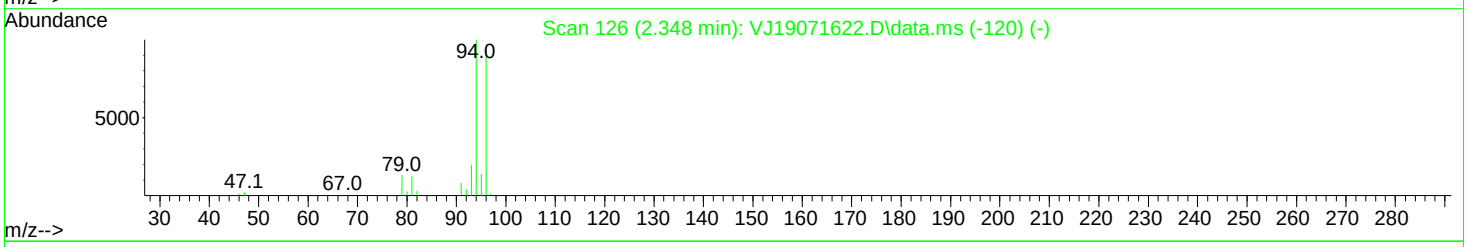
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111409.D
Acq On : 14 Nov 2020 07:20 pm
Operator : TNL
Sample : 0K14006-CAL2
Misc : 1X 5mL DI+MeOH 0.2 PPB
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 15 15:20:57 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration







TIC: VK20111409.D\data.ms

(5) Bromomethane

2.363min (-0.003) 0.85 ug/L

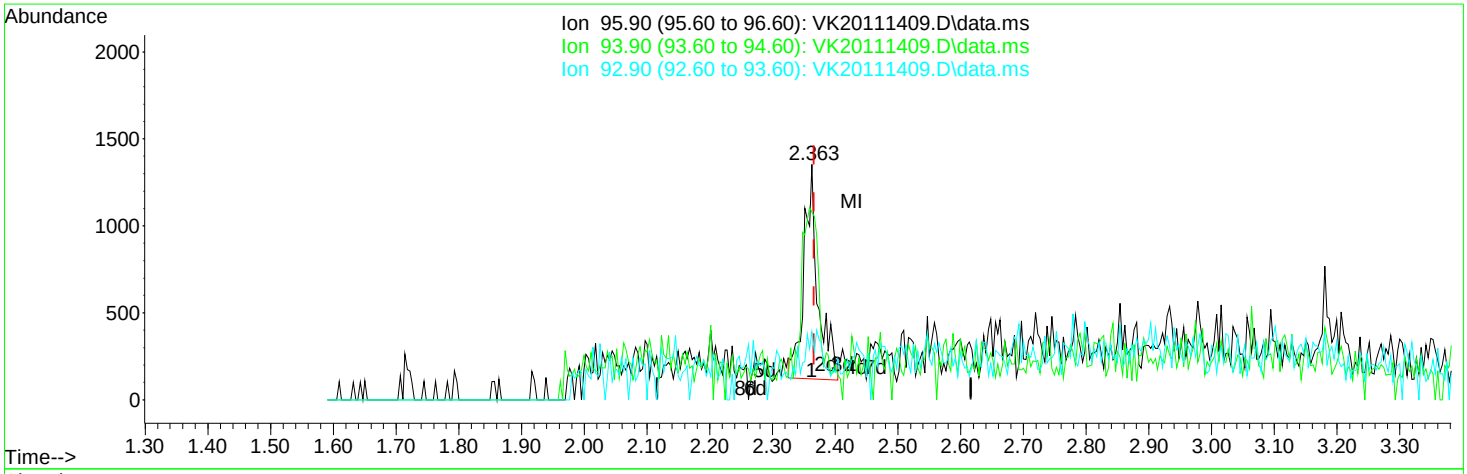
response 1811

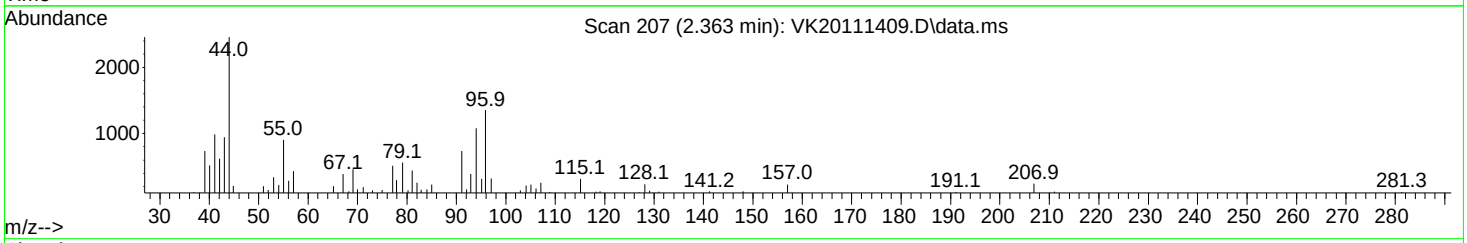
Ion	Exp%	Act%
95.90	100.00	100.00
93.90	106.80	79.82
92.90	22.80	28.90
0.00	0.00	0.00

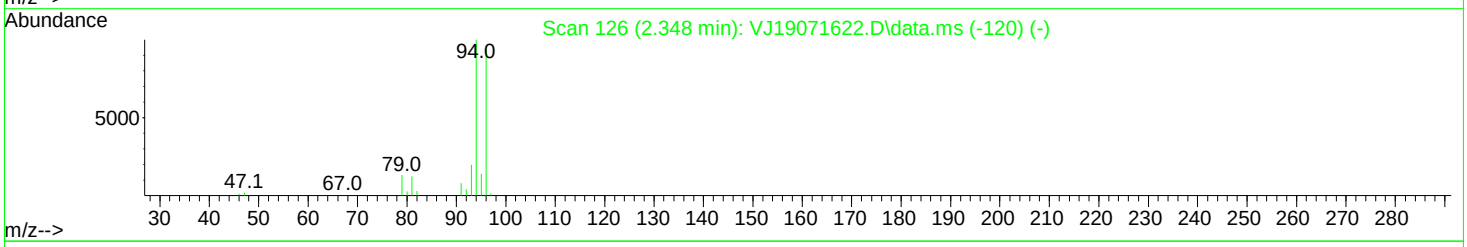
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111409.D
Acq On : 14 Nov 2020 07:20 pm
Operator : TNL
Sample : 0K14006-CAL2
Misc : 1X 5mL DI+MeOH 0.2 PPB
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 15 15:20:57 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration







TIC: VK20111409.D\data.ms

(5) Bromomethane

2.363min (-0.003) 0.91 ug/L m

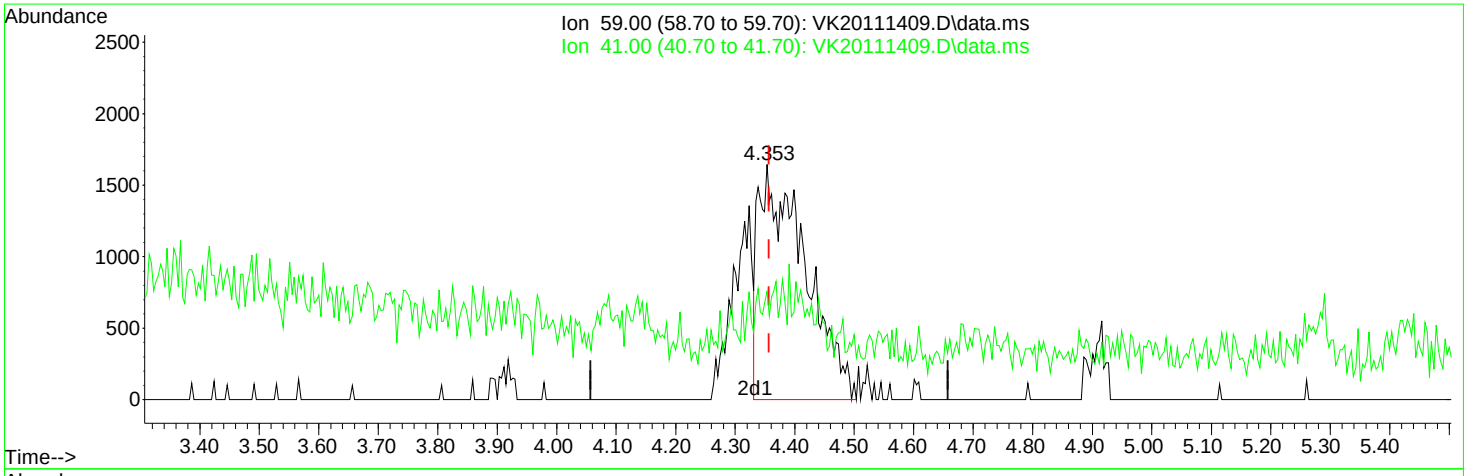
response 1929

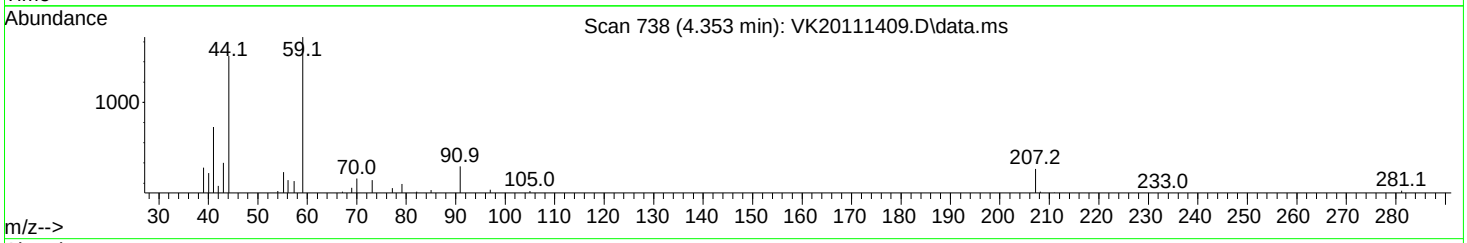
Ion	Exp%	Act%
95.90	100.00	100.00
93.90	106.80	79.82
92.90	22.80	28.90
0.00	0.00	0.00

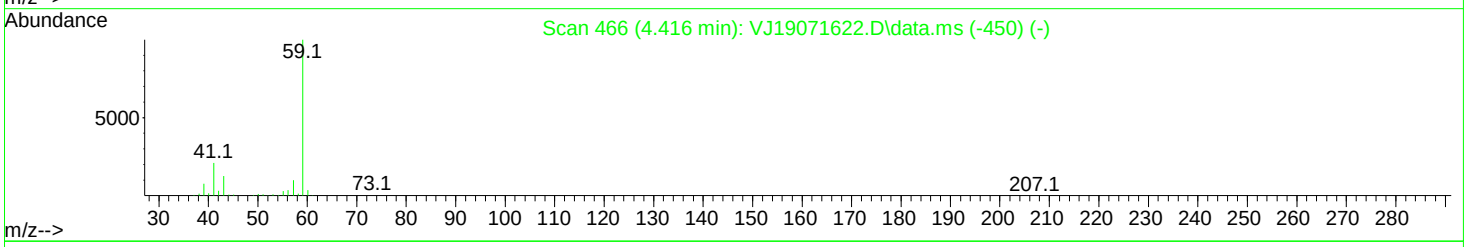
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111409.D
Acq On : 14 Nov 2020 07:20 pm
Operator : TNL
Sample : 0K14006-CAL2
Misc : 1X 5mL DI+MeOH 0.2 PPB
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 15 15:20:57 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration







TIC: VK20111409.D\data.ms

(18) tert-Butanol (TBA)

4.353min (-0.004) 11.86 ug/L

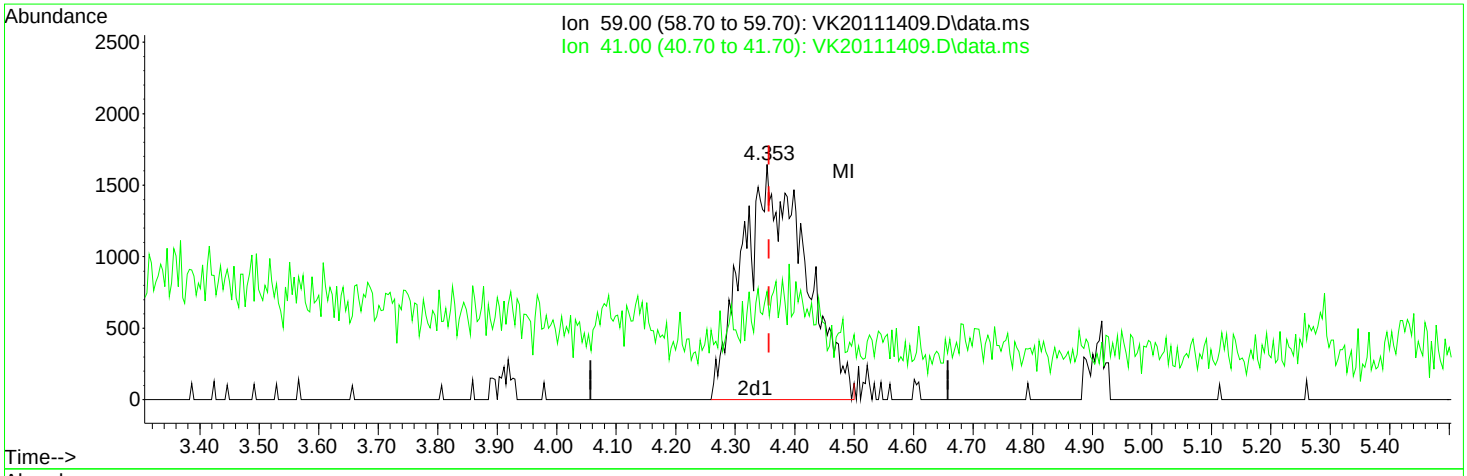
response 8964

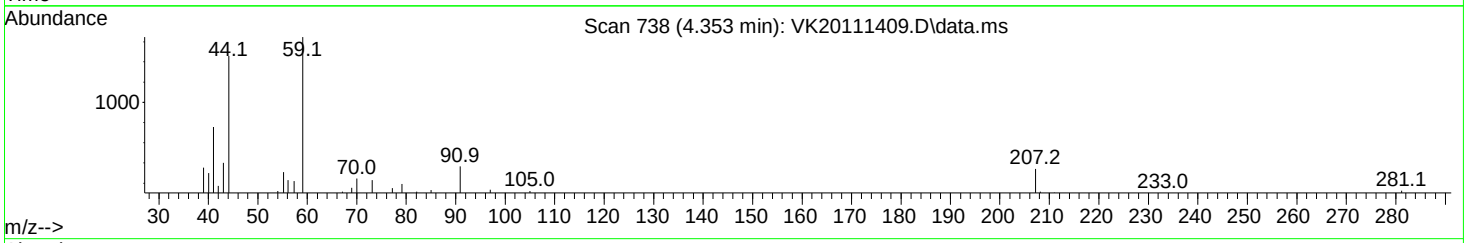
Ion	Exp%	Act%
59.00	100.00	100.00
41.00	28.80	46.02#
0.00	0.00	0.00
0.00	0.00	0.00

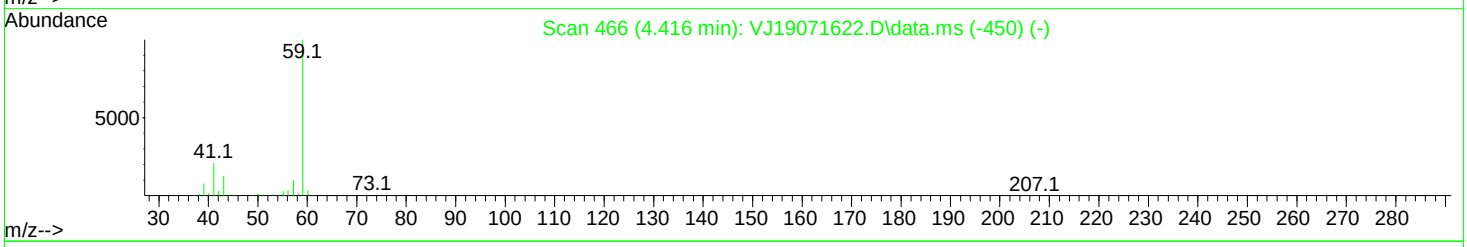
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111409.D
Acq On : 14 Nov 2020 07:20 pm
Operator : TNL
Sample : 0K14006-CAL2
Misc : 1X 5mL DI+MeOH 0.2 PPB
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 15 15:20:57 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration







TIC: VK20111409.D\data.ms

(18) tert-Butanol (TBA)

4.353min (-0.004) 15.88 ug/L m

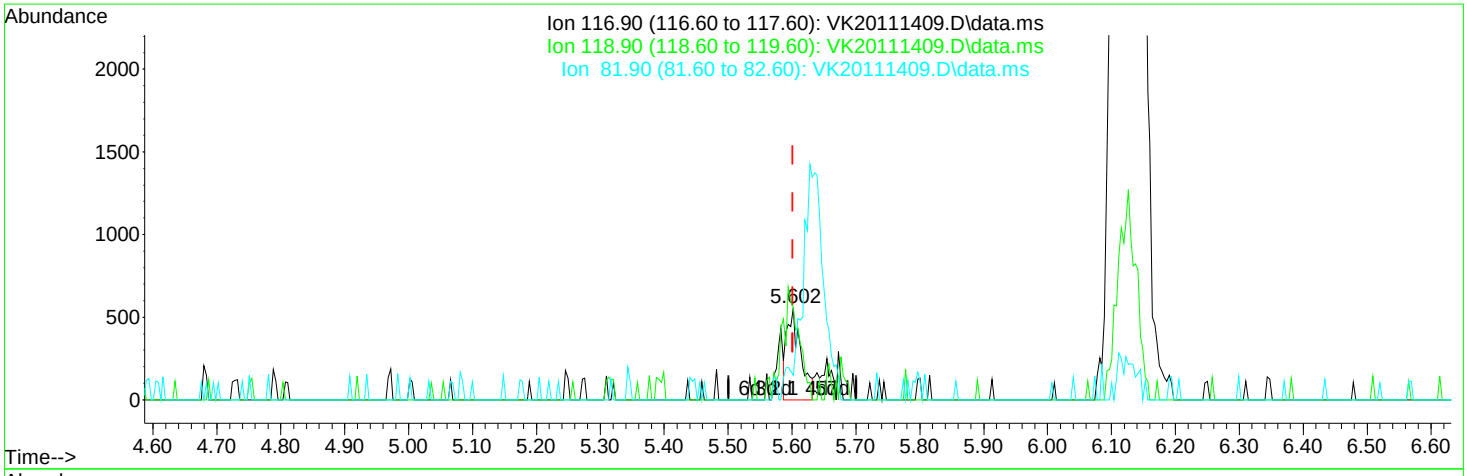
response 11998

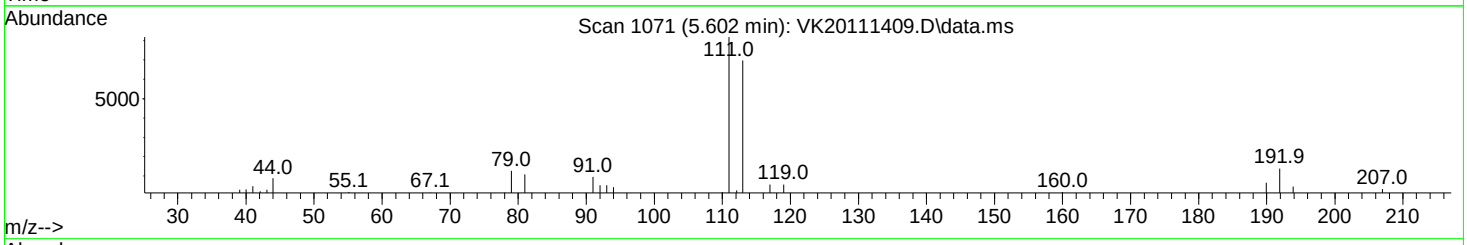
Ion	Exp%	Act%
59.00	100.00	100.00
41.00	28.80	46.02#
0.00	0.00	0.00
0.00	0.00	0.00

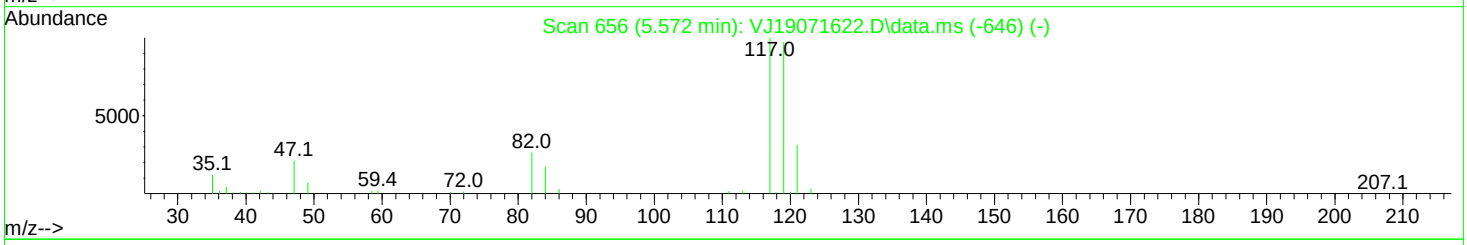
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111409.D
Acq On : 14 Nov 2020 07:20 pm
Operator : TNL
Sample : 0K14006-CAL2
Misc : 1X 5mL DI+MeOH 0.2 PPB
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 15 15:20:57 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration







TIC: VK20111409.D\data.ms

(27) Carbon Tetrachloride

5.602min (+ 0.001) 0.15 ug/L

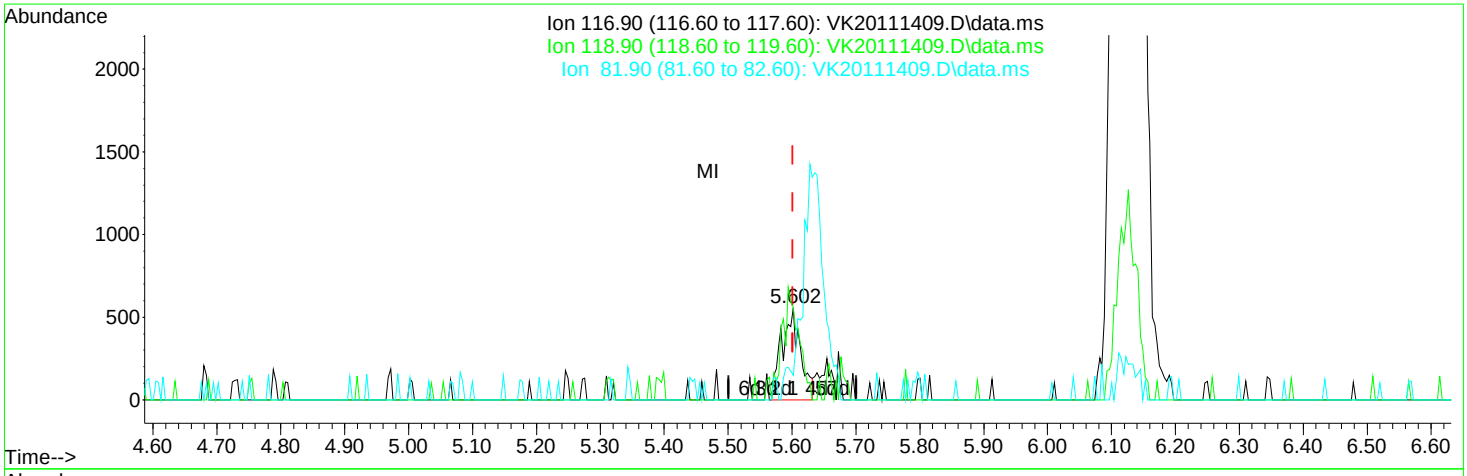
response 831

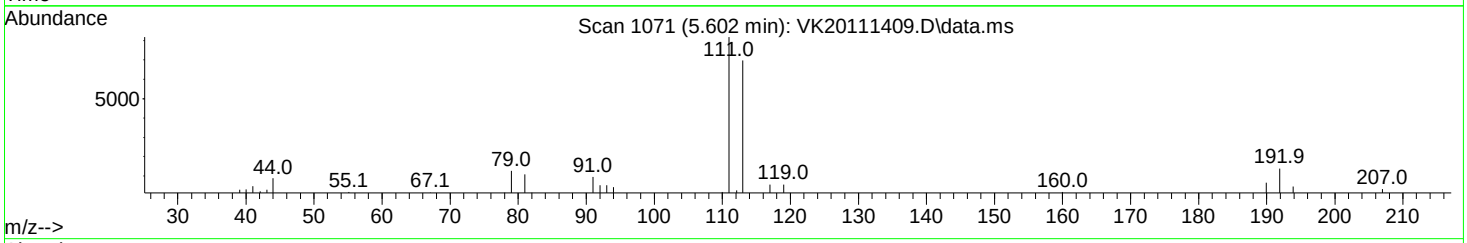
Ion	Exp%	Act%
116.90	100.00	100.00
118.90	91.90	100.36
81.90	22.60	26.52
0.00	0.00	0.00

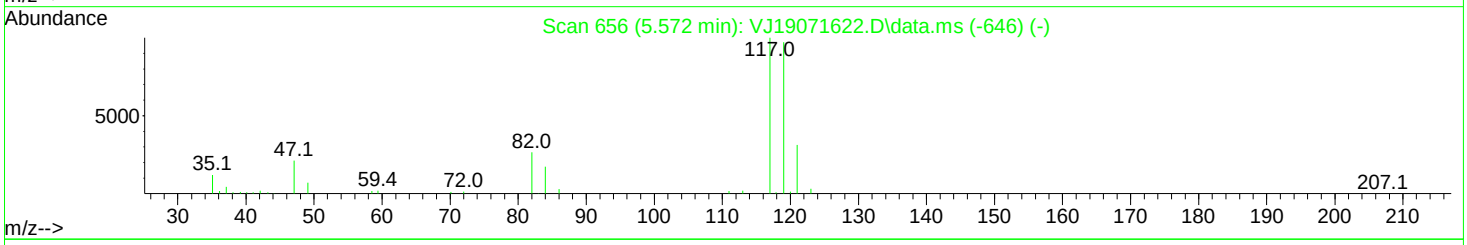
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111409.D
Acq On : 14 Nov 2020 07:20 pm
Operator : TNL
Sample : 0K14006-CAL2
Misc : 1X 5mL DI+MeOH 0.2 PPB
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 15 15:20:57 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration







TIC: VK20111409.D\data.ms

(27) Carbon Tetrachloride

5.602min (+ 0.001) 0.20 ug/L m

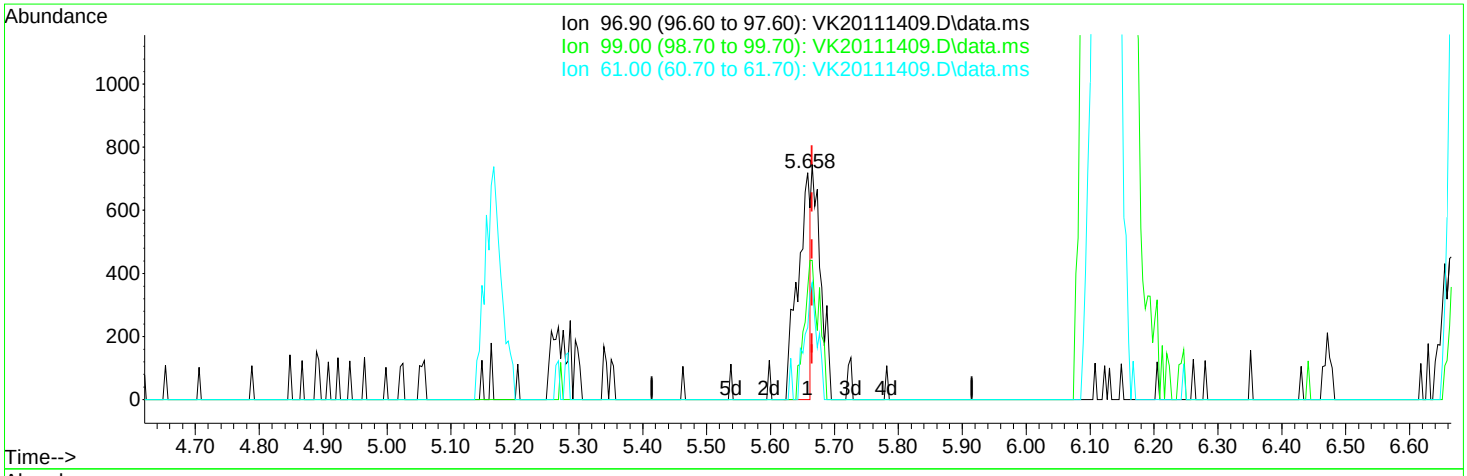
response 1132

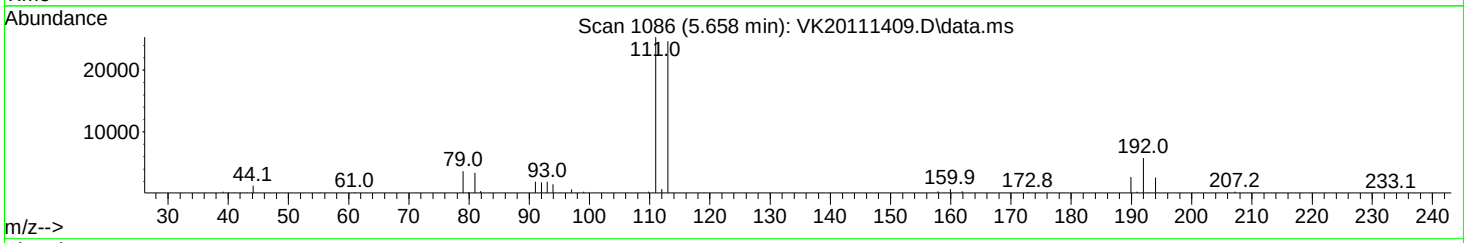
Ion	Exp%	Act%
116.90	100.00	100.00
118.90	91.90	100.36
81.90	22.60	26.52
0.00	0.00	0.00

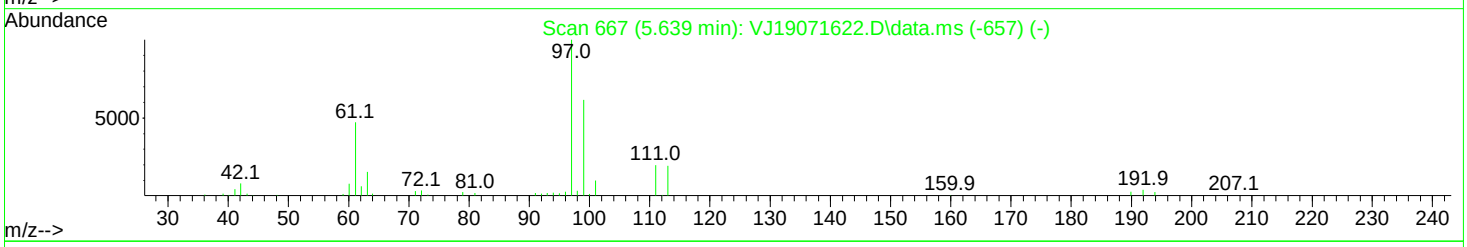
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111409.D
Acq On : 14 Nov 2020 07:20 pm
Operator : TNL
Sample : 0K14006-CAL2
Misc : 1X 5mL DI+MeOH 0.2 PPB
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 15 15:20:57 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration







TIC: VK20111409.D\data.ms

(29) 1,1,1-Trichloroethane

5.658min (-0.007) 0.13 ug/L

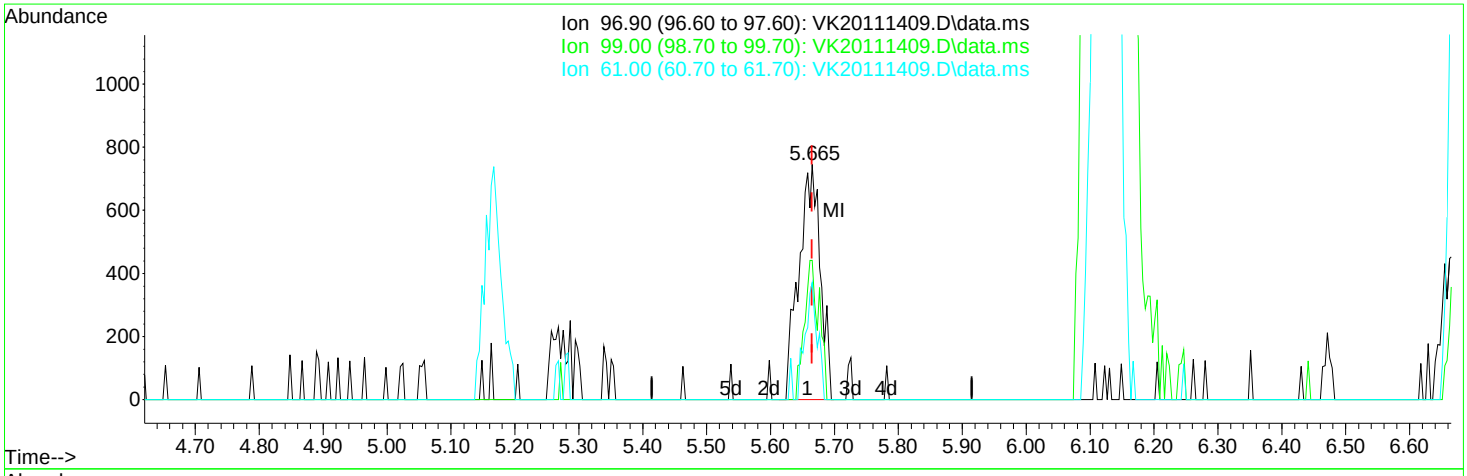
response 970

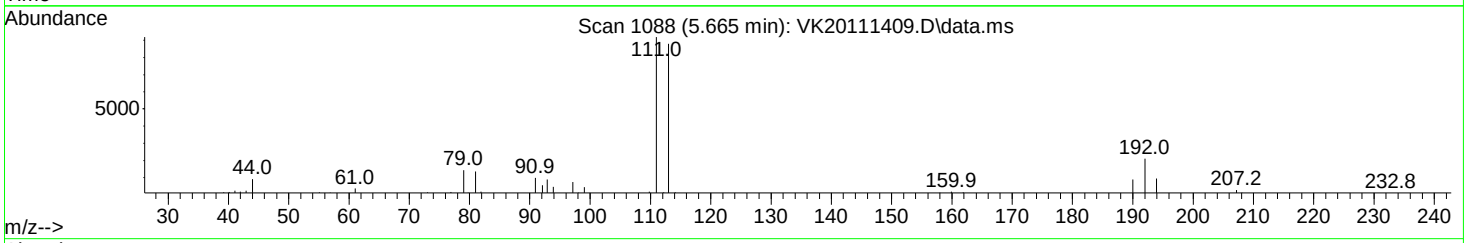
Ion	Exp%	Act%
96.90	100.00	100.00
99.00	62.20	49.10
61.00	42.30	31.71
0.00	0.00	0.00

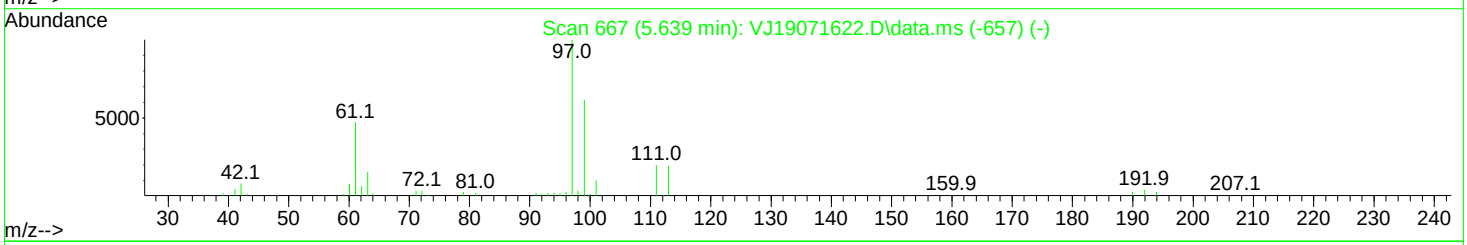
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111409.D
Acq On : 14 Nov 2020 07:20 pm
Operator : TNL
Sample : 0K14006-CAL2
Misc : 1X 5mL DI+MeOH 0.2 PPB
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 15 15:20:57 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration







TIC: VK20111409.D\data.ms

(29) 1,1,1-Trichloroethane

5.665min (+ 0.000) 0.24 ug/L m

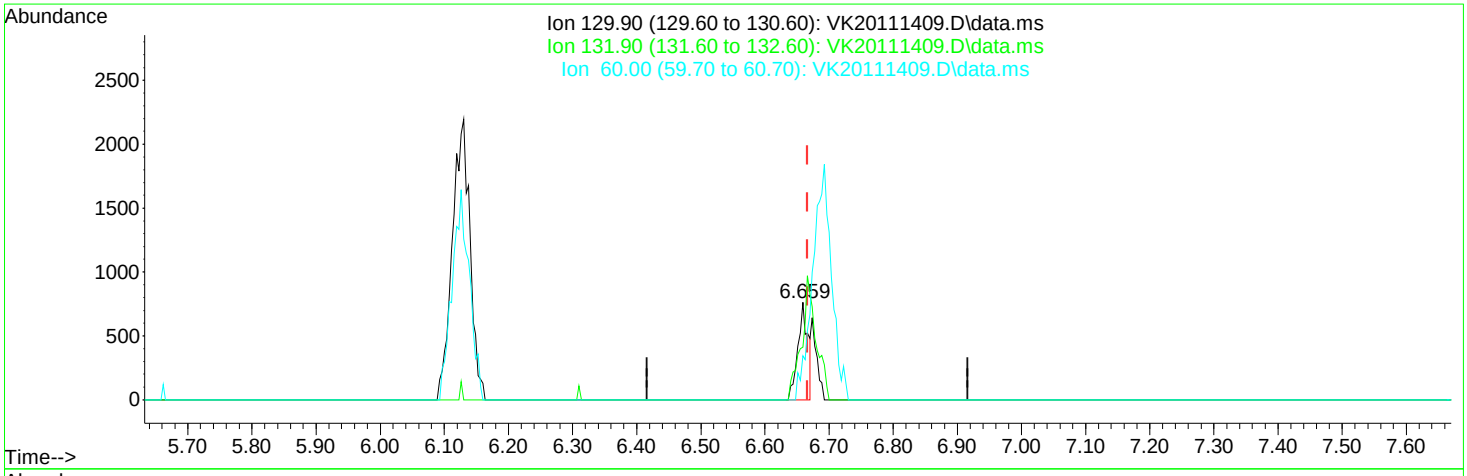
response 1738

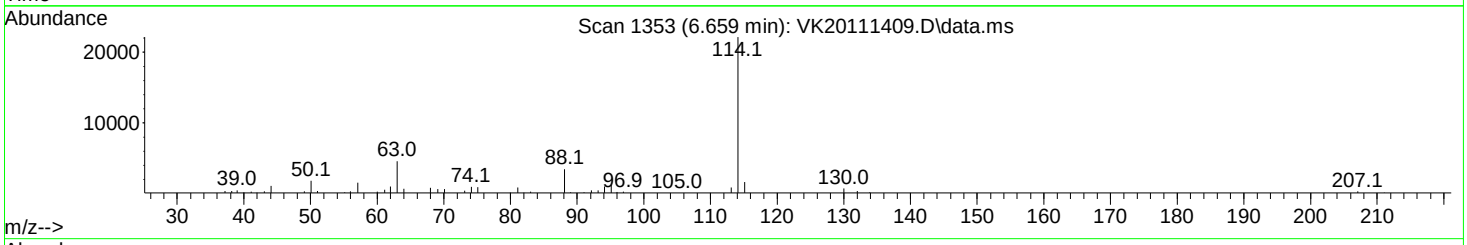
Ion	Exp%	Act%
96.90	100.00	100.00
99.00	62.20	59.25
61.00	42.30	49.73
0.00	0.00	0.00

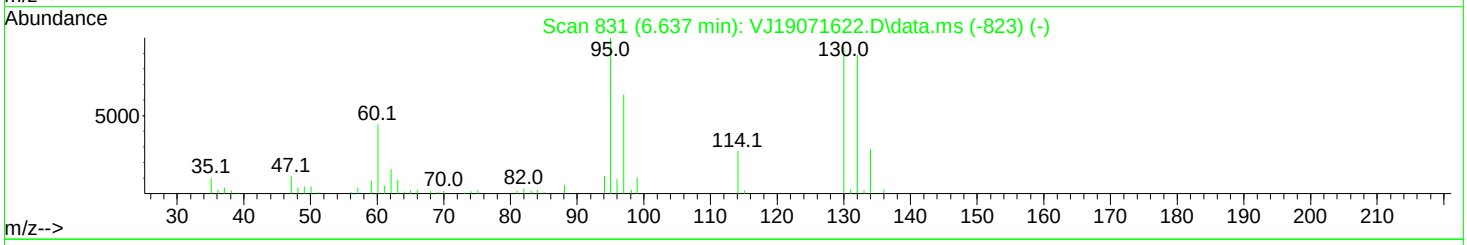
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111409.D
Acq On : 14 Nov 2020 07:20 pm
Operator : TNL
Sample : 0K14006-CAL2
Misc : 1X 5mL DI+MeOH 0.2 PPB
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 15 15:20:57 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration







TIC: VK20111409.D\data.ms

(38) Trichloroethene (TCE)

6.659min (-0.007) 0.11 ug/L

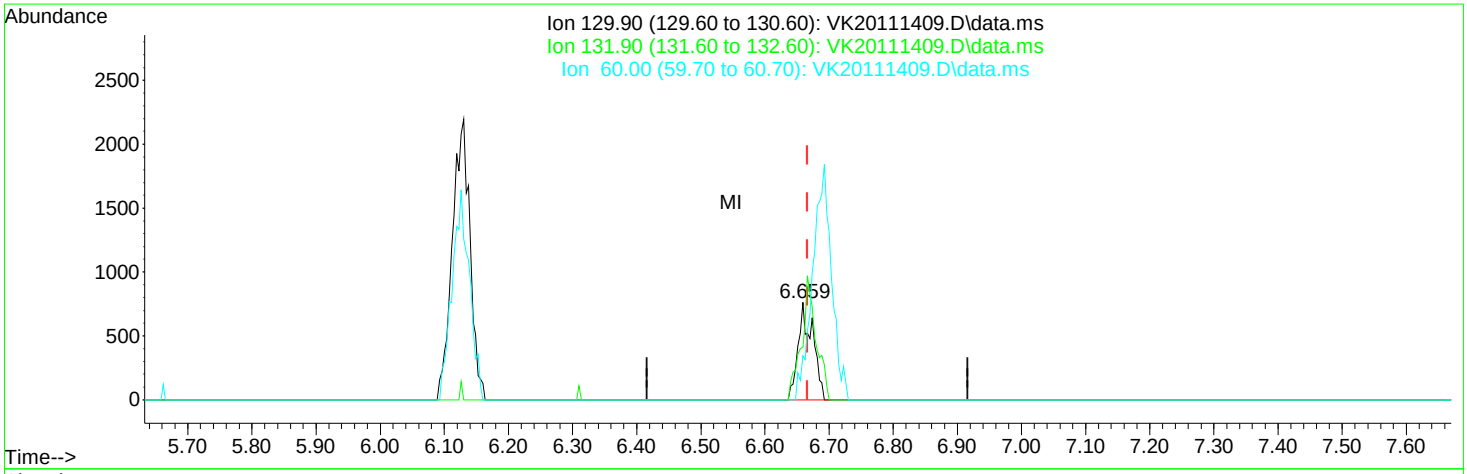
response 832

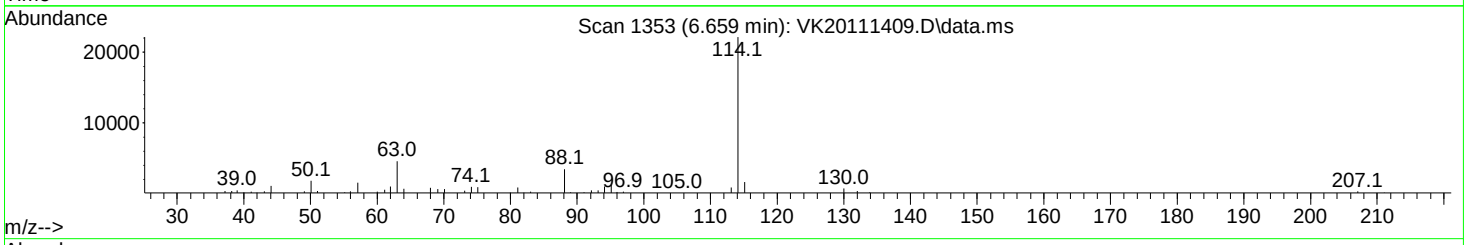
Ion	Exp%	Act%
129.90	100.00	100.00
131.90	94.60	54.00#
60.00	38.70	45.22
0.00	0.00	0.00

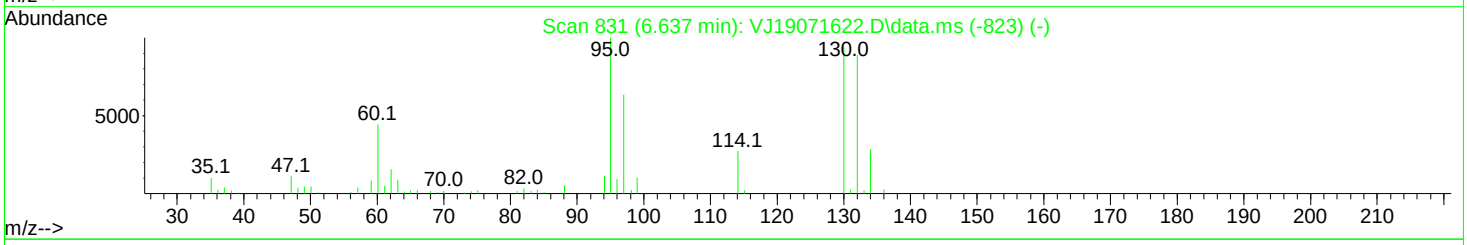
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111409.D
Acq On : 14 Nov 2020 07:20 pm
Operator : TNL
Sample : 0K14006-CAL2
Misc : 1X 5mL DI+MeOH 0.2 PPB
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 15 15:20:57 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration







TIC: VK20111409.D\data.ms

(38) Trichloroethene (TCE)

6.659min (-0.007) 0.17 ug/L m

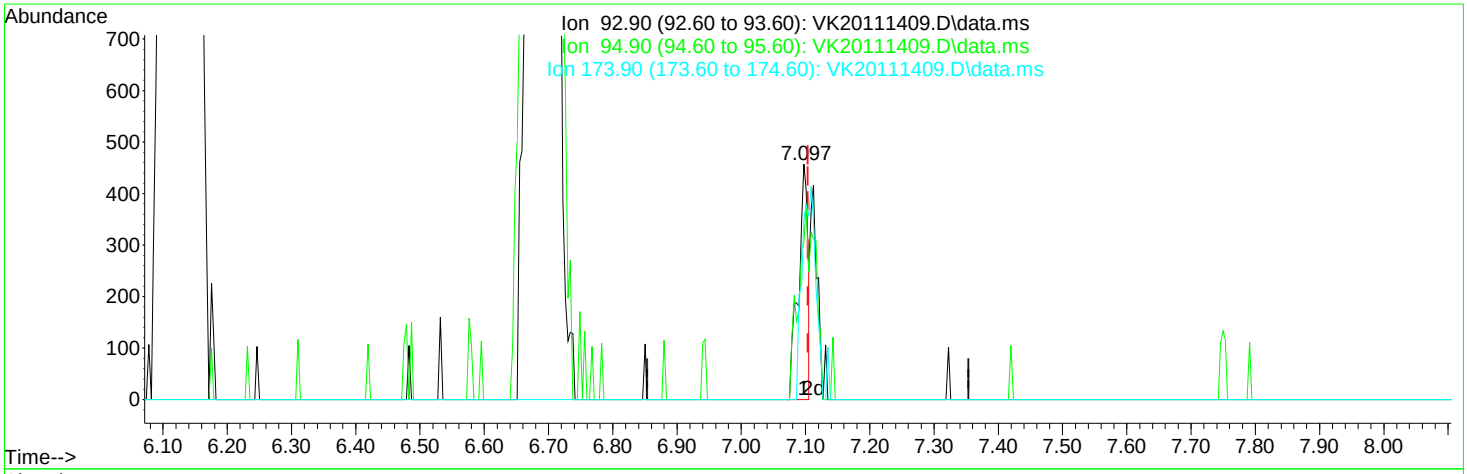
response 1211

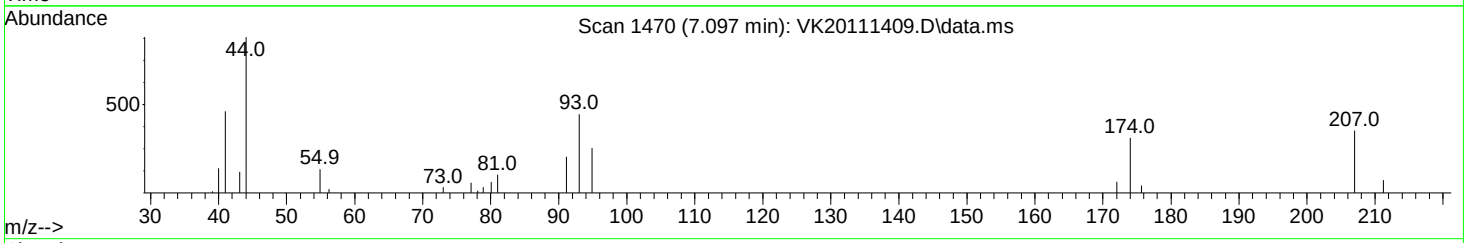
Ion	Exp%	Act%
129.90	100.00	100.00
131.90	94.60	54.00#
60.00	38.70	45.22
0.00	0.00	0.00

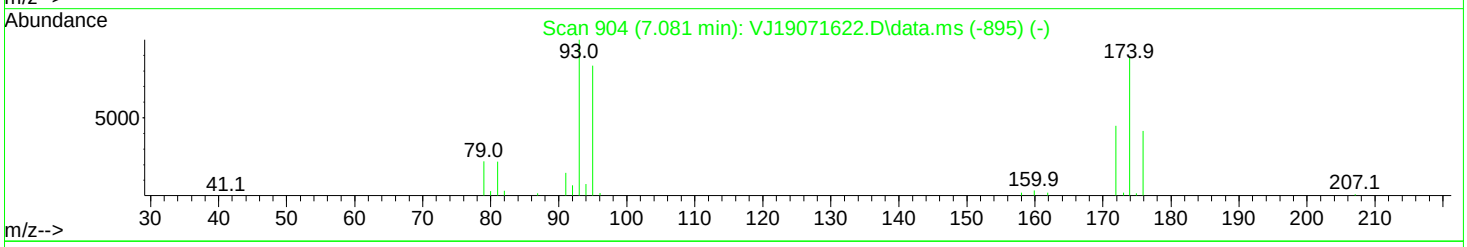
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111409.D
Acq On : 14 Nov 2020 07:20 pm
Operator : TNL
Sample : 0K14006-CAL2
Misc : 1X 5mL DI+MeOH 0.2 PPB
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 15 15:20:57 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration







TIC: VK20111409.D\data.ms

(40) Dibromomethane

7.097min (-0.007) 0.14 ug/L

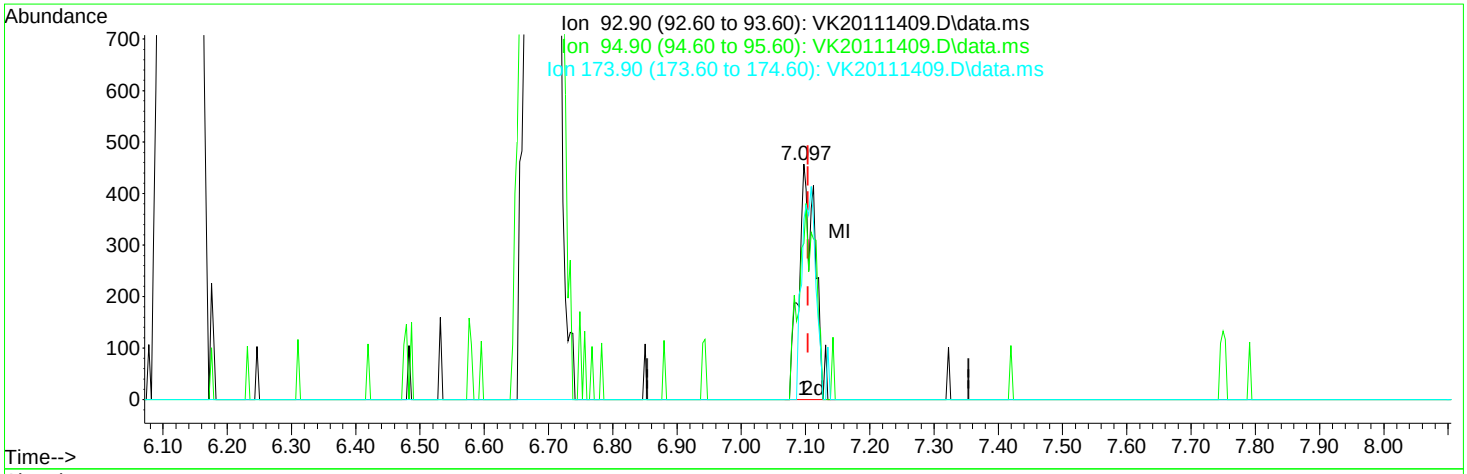
response 478

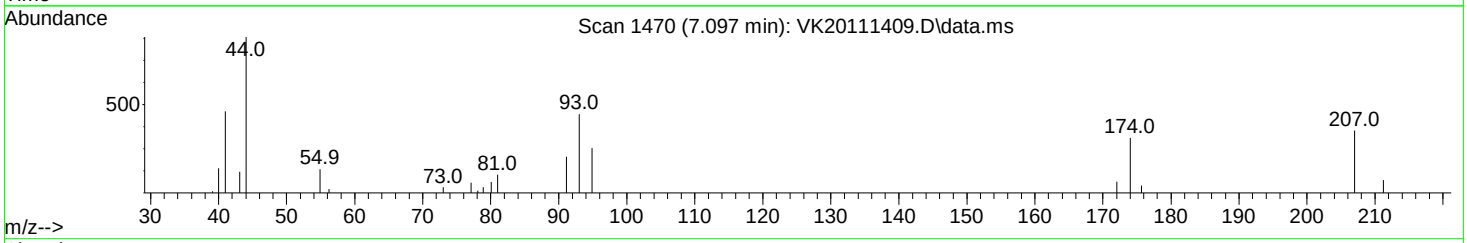
Ion	Exp%	Act%
92.90	100.00	100.00
94.90	83.10	66.30
173.90	115.70	76.59#
0.00	0.00	0.00

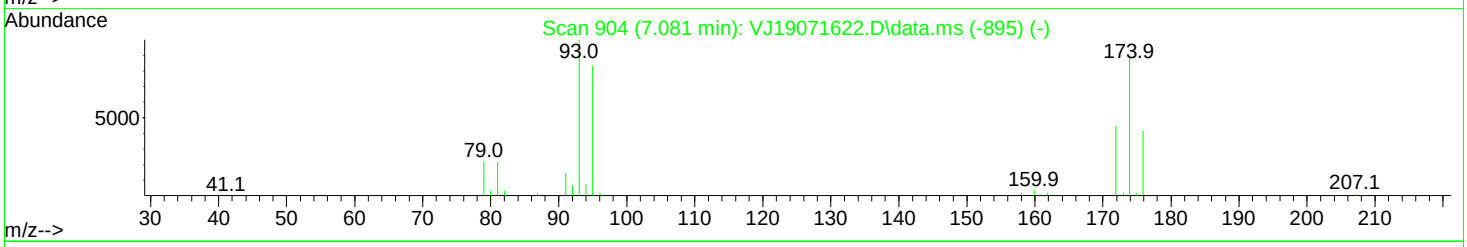
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111409.D
Acq On : 14 Nov 2020 07:20 pm
Operator : TNL
Sample : 0K14006-CAL2
Misc : 1X 5mL DI+MeOH 0.2 PPB
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 15 15:20:57 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration







TIC: VK20111409.D\data.ms

(40) Dibromomethane

7.097min (-0.007) 0.24 ug/L m

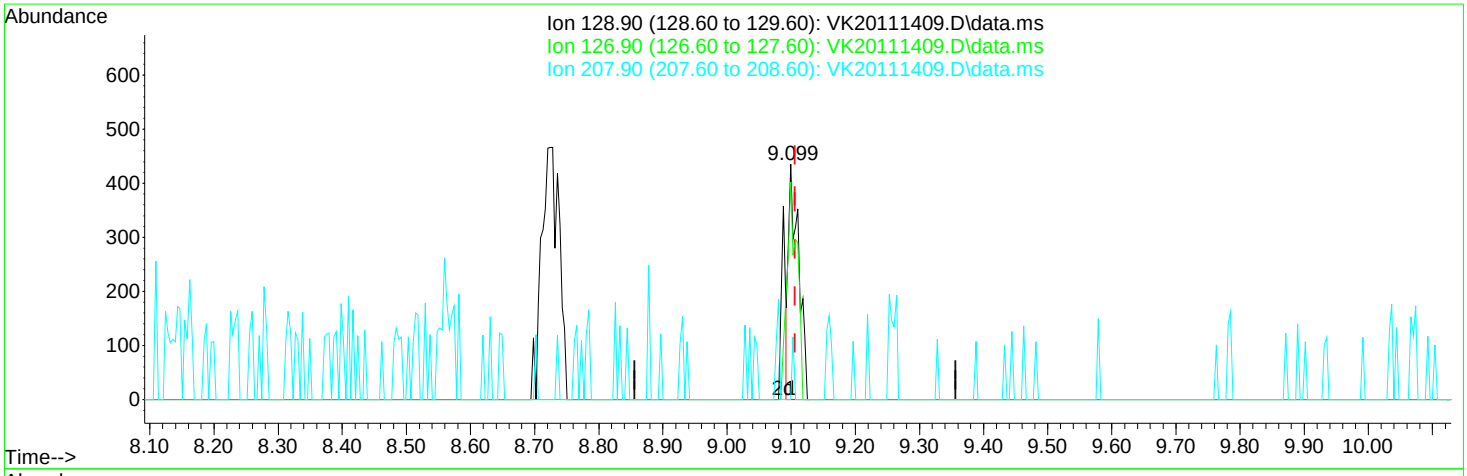
response 809

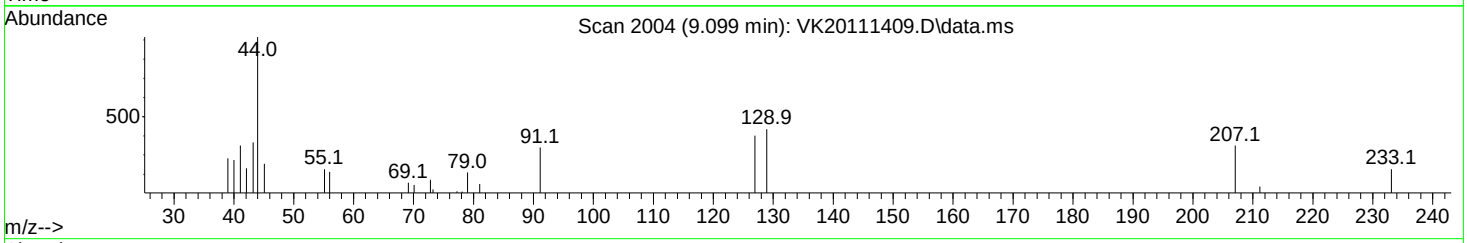
Ion	Exp%	Act%
92.90	100.00	100.00
94.90	83.10	66.30
173.90	115.70	76.59#
0.00	0.00	0.00

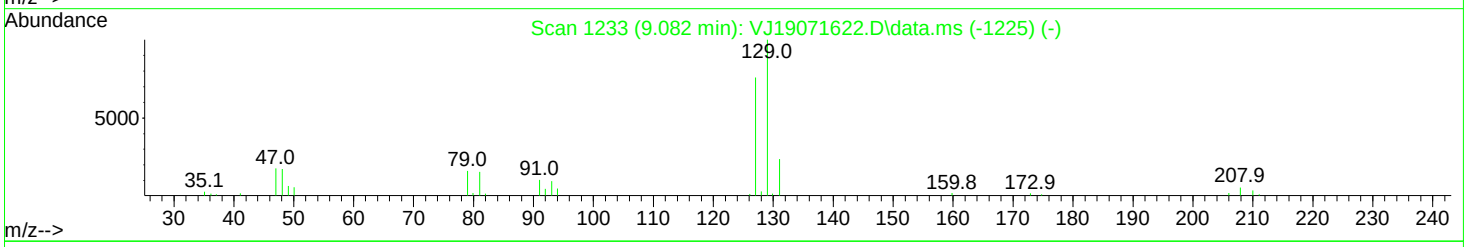
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111409.D
Acq On : 14 Nov 2020 07:20 pm
Operator : TNL
Sample : 0K14006-CAL2
Misc : 1X 5mL DI+MeOH 0.2 PPB
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 15 15:20:57 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration







TIC: VK20111409.D\data.ms

(51) Dibromochloromethane

9.099min (-0.007) 0.13 ug/L

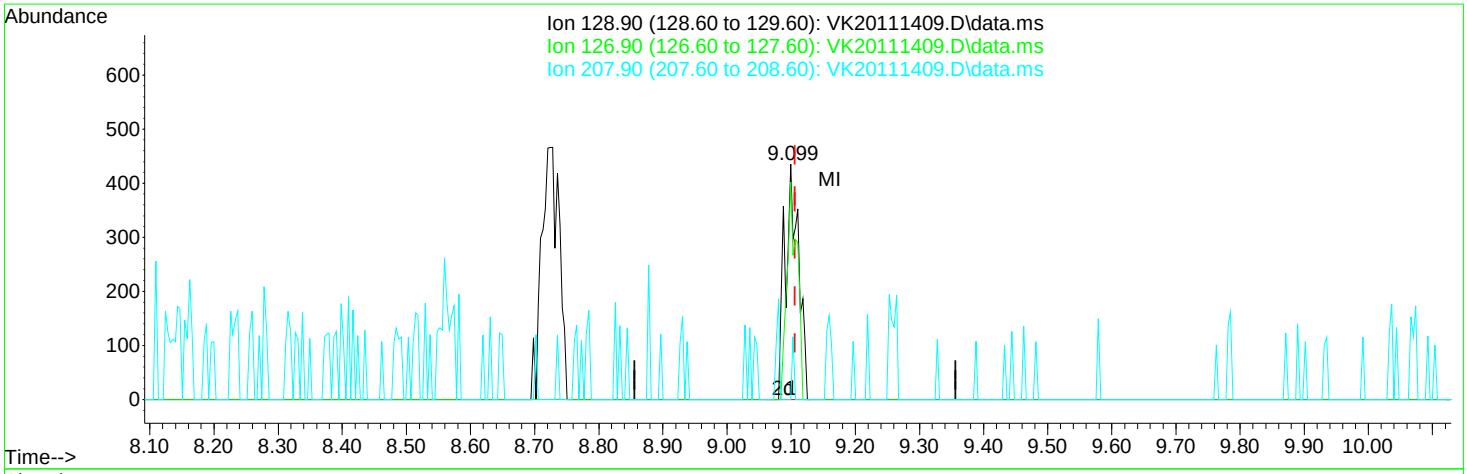
response 482

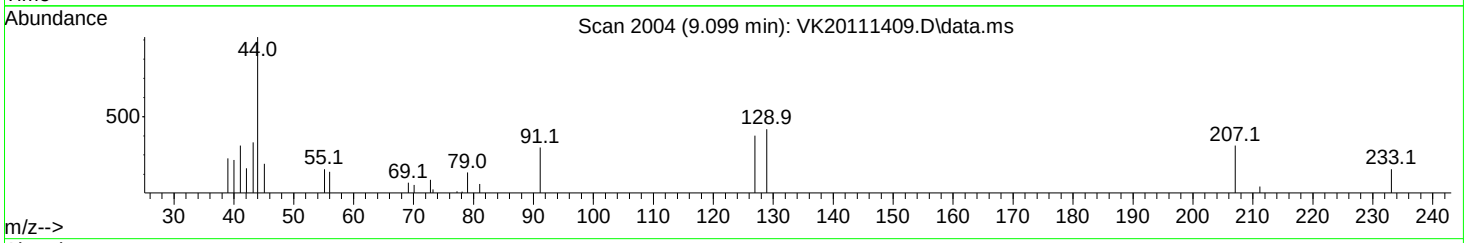
Ion	Exp%	Act%
128.90	100.00	100.00
126.90	77.40	92.41
207.90	7.30	0.00
0.00	0.00	0.00

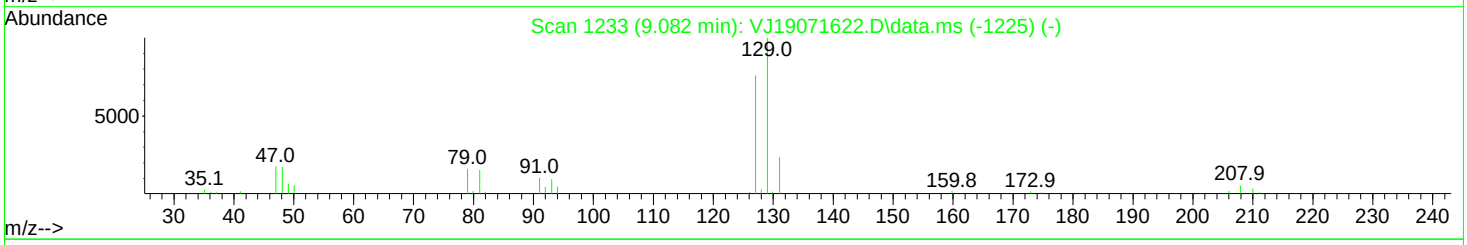
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111409.D
Acq On : 14 Nov 2020 07:20 pm
Operator : TNL
Sample : 0K14006-CAL2
Misc : 1X 5mL DI+MeOH 0.2 PPB
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 15 15:20:57 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration







TIC: VK20111409.D\data.ms

(51) Dibromochloromethane

9.099min (-0.007) 0.17 ug/L m

response 638

Ion	Exp%	Act%
128.90	100.00	100.00
126.90	77.40	92.41
207.90	7.30	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111409.D
Acq On : 14 Nov 2020 07:20 pm
Operator : TNL
Sample : 0K14006-CAL2
Misc : 1X 5mL DI+MeOH 0.2 PPB
ALS Vial : 4 Sample Multiplier: 1

11/15/20 TNL

Quant Time: Nov 15 15:20:57 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene (I)	6.126	99	302866	50.00 ug/L	# 0.00
43) Chlorobenzene-d5 (I)	9.838	117	851686	50.00 ug/L	0.00
63) 1,4-Dichlorobenzene-d4...	11.794	152	367894	50.00 ug/L	0.00
System Monitoring Compounds					
30) Dibromofluoromethane (S)	5.635	111	270820	43.29 ug/L	0.00
37) 1,4-Difluorobenzene (S)	6.689	114	977264	42.51 ug/L	0.00
45) Toluene-d8 (S)	8.211	98	1038536	52.46 ug/L	0.00
64) 4-Bromofluorobenzene (S)	10.910	174	289451	45.88 ug/L	0.00
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.696	85	924	0.23 ug/L	91
3) Chloromethane	1.909	50	1809	0.40 ug/L	94
4) Vinyl Chloride	1.999	62	592	0.24 ug/L	93
5) Bromomethane	2.363	96	1929m	0.91 ug/L	
6) Chloroethane	0.000		0	N.D. d	
7) Trichlorofluoromethane	0.000		0	N.D. d	
8) Ethanol	0.000		0	N.D. d	
9) 1,1-Dichloroethene	0.000		0	N.D. d	
10) Carbon Disulfide	3.203	76	1437	Below Cal #	2
11) Freon 113	0.000		0	N.D. d	
12) Iodomethane	0.000		0	N.D. d	
13) Methylene Chloride	3.814	84	3811	0.77 ug/L	83
14) Acetone	0.000		0	N.D. d	
15) t-1,2-Dichloroethene	3.990	61	1423	0.24 ug/L	96
16) n-Hexane	0.000		0	N.D. d	
17) Methyl-tert-butyl-ether	4.143	73	4064	0.27 ug/L	81
18) tert-Butanol (TBA)	4.353	59	11998m	15.88 ug/L	
19) Diisopropyl ether (DIPE)	0.000		0	N.D. d	
20) 1,1-Dichloroethane	4.608	63	1801	0.23 ug/L	80
21) Acrylonitrile	0.000		0	N.D. d	
22) Ethyl-tert-butyl ether...	0.000		0	N.D. d	
23) c-1,2-Dichloroethene	5.167	61	1315	0.22 ug/L	87
24) 2,2-Dichloropropane	0.000		0	N.D. d	
25) Bromochloromethane	5.365	49	678	0.21 ug/L	82
26) Chloroform	5.452	83	2040	0.25 ug/L	86
27) Carbon Tetrachloride	5.602	117	1132m	0.20 ug/L	
28) Tetrahydrofuran	0.000		0	N.D. d	
29) 1,1,1-Trichloroethane	5.665	97	1738m	0.24 ug/L	
31) 1,1-Dichloropropene	5.789	75	1488	0.24 ug/L	80
32) 2-Butanone (MEK)	0.000		0	N.D. d	
33) Benzene	6.048	78	4639	0.22 ug/L	95
34) tert-Amyl methyl ether...	0.000		0	N.D. d	
35) 1,2-Dichloroethane (EDC)	6.254	62	1358	0.24 ug/L	67
36) iso-Butyl Alcohol	0.000		0	N.D. d	
38) Trichloroethene (TCE)	6.659	130	1211m	0.17 ug/L	
39) tert-Amyl ethyl ether ...	0.000		0	N.D. d	
40) Dibromomethane	7.097	93	809m	0.24 ug/L	
41) 1,2-Dichloropropane	7.206	63	1109	0.24 ug/L	84

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111409.D
Acq On : 14 Nov 2020 07:20 pm
Operator : TNL
Sample : 0K14006-CAL2
Misc : 1X 5mL DI+MeOH 0.2 PPB
ALS Vial : 4 Sample Multiplier: 1

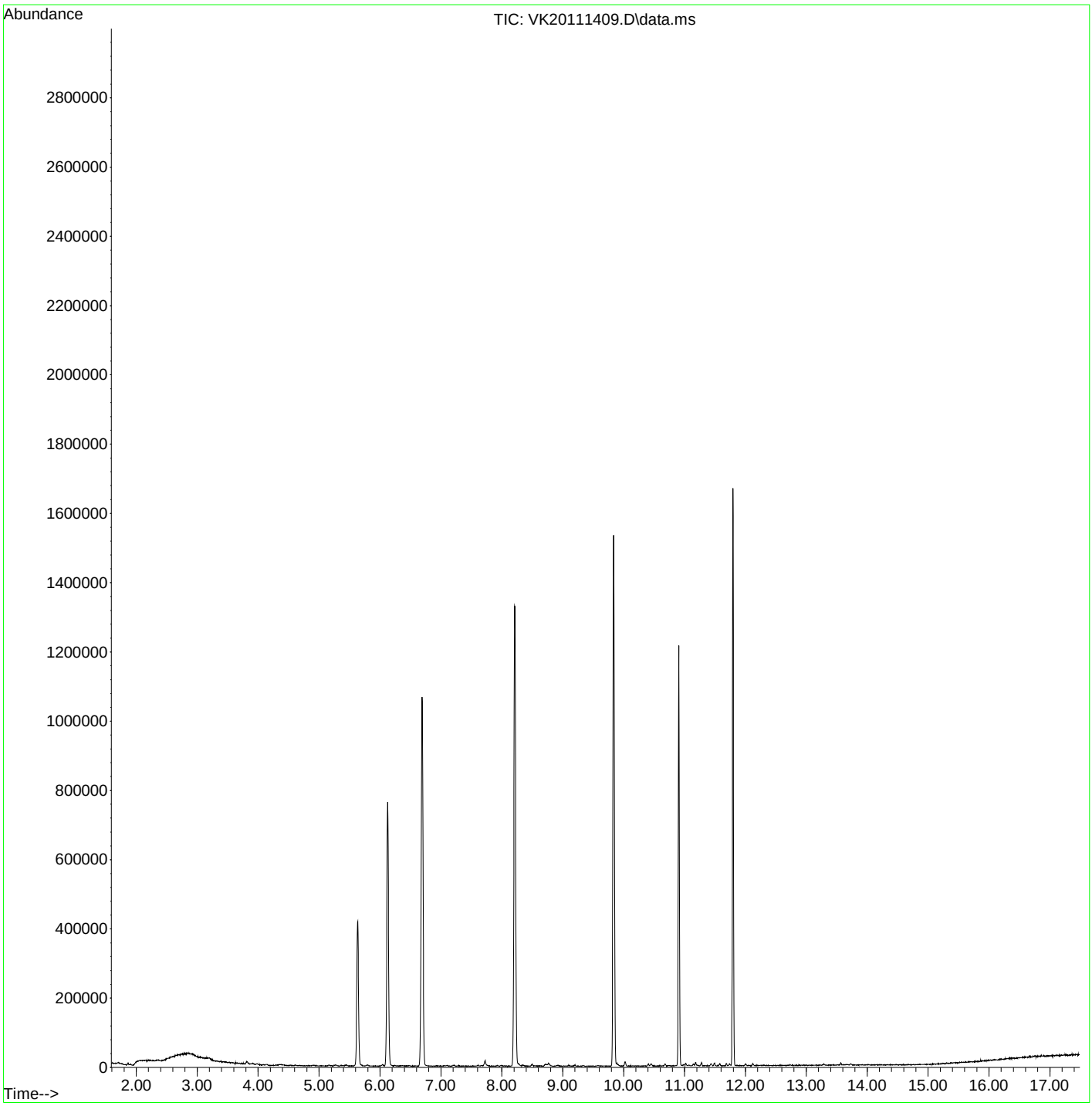
Quant Time: Nov 15 15:20:57 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) Bromodichloromethane	7.296	83	1317	0.24	ug/L		95
44) c-1,3-Dichloropropene	7.986	75	1384	0.23	ug/L		89
46) Toluene	8.278	91	5669	0.29	ug/L		83
47) Tetrachloroethene (PCE)	8.720	166	1178	0.19	ug/L		91
48) 4-Methyl-2-Pentanone (...	8.709	43	2443	0.64	ug/L		91
49) t-1,3-Dichloropropene	8.739	75	1165	0.23	ug/L		79
50) 1,1,2-Trichloroethane	8.915	97	1212	0.27	ug/L		83
51) Dibromochloromethane	9.099	129	638m	0.17	ug/L		
52) 1,3-Dichloropropane	9.200	76	1731	0.25	ug/L		91
53) 1,2-Dibromoethane (EDB)	9.332	107	1034	0.22	ug/L		80
54) 2-Hexanone	0.000		0	N.D.	d		
55) Chlorobenzene	9.853	112	2868	0.21	ug/L	#	21
56) Ethylbenzene	9.890	91	5060	0.25	ug/L		99
57) 1,1,1,2-Tetrachloroethane	9.920	131	759	0.19	ug/L		86
58) m,p-Xylenes (2)	10.029	91	7993	0.55	ug/L		99
59) o-Xylene	10.407	91	3598	0.24	ug/L		83
60) Styrene	10.452	104	2667	0.21	ug/L		92
61) Bromoform	0.000		0	N.D.	d		
62) Isopropylbenzene	10.681	105	4442	0.23	ug/L		95
65) Bromobenzene	10.988	156	1123	0.22	ug/L		80
66) n-Propylbenzene	11.022	91	5418	0.30	ug/L		96
67) 1,1,2,2-Tetrachloroethane	11.071	83	1216	0.30	ug/L	#	62
68) 2-Chlorotoluene	11.146	126	911	0.21	ug/L	#	50
69) 1,3,5-Trimethylbenzene	11.187	105	3512	0.27	ug/L		96
70) 1,2,3-Trichloropropane	11.172	110	433	0.26	ug/L	#	50
71) t-1,4-Dichloro-2-butene	0.000		0	N.D.	d		
72) 4-Chlorotoluene	11.277	91	3289	0.30	ug/L		89
73) tert-Butylbenzene	11.435	91	2113	0.31	ug/L		81
74) 1,2,4-Trimethylbenzene	11.491	105	3839	0.29	ug/L		93
75) sec-Butylbenzene	11.577	105	3920	0.25	ug/L		89
76) 4-Isopropyltoluene	11.682	119	3248	0.23	ug/L		97
77) 1,3-Dichlorobenzene	11.742	146	1816	0.21	ug/L		85
78) 1,4-Dichlorobenzene	11.806	146	1871	0.21	ug/L	#	1
79) n-Butylbenzene	12.004	91	2641	0.25	ug/L		92
80) 1,2-Dichlorobenzene	12.124	146	1778	0.22	ug/L		81
81) 1,2-Dibromo-3-Chloropr...	0.000		0	N.D.	d		
82) Hexachlorobutadiene	0.000		0	N.D.	d		
83) 1,2,4-Trichlorobenzene	13.290	180	1214	0.21	ug/L		80
84) Naphthalene	13.564	128	4077	0.25	ug/L		89
85) 1,2,3-Trichlorobenzene	13.732	180	1161	0.21	ug/L		93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111409.D
Acq On : 14 Nov 2020 07:20 pm
Operator : TNL
Sample : 0K14006-CAL2
Misc : 1X 5mL DI+MeOH 0.2 PPB
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 15 15:20:57 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111410.D
Acq On : 14 Nov 2020 07:47 pm
Operator : TNL
Sample : 0K14006-CAL3
Misc : 1X 5mL DI+MeOH 0.4 PPB
ALS Vial : 5 Sample Multiplier: 1

11/15/20 TNL

Quant Time: Nov 15 15:26:55 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.123	99	290214	50.00	ug/L	#	0.00
43) Chlorobenzene-d5 (I)	9.838	117	815396	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.798	152	356886	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.632	111	259630	43.31	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.689	114	933542	42.38	ug/L		0.00
45) Toluene-d8 (S)	8.215	98	993540	52.42	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.906	174	277413	45.32	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.699	85	1217	0.32	ug/L		95
3) Chloromethane	1.913	50	2332	0.54	ug/L		90
4) Vinyl Chloride	1.996	62	805	0.34	ug/L		78
5) Bromomethane	2.355	96	2409	1.18	ug/L	#	69
6) Chloroethane	2.532	64	123	0.19	ug/L	#	1
7) Trichlorofluoromethane	2.655	101	503	0.41	ug/L	#	36
8) Ethanol	3.424	45	540	6.68	ug/L	#	29
9) 1,1-Dichloroethene	3.188	61	1418	0.42	ug/L		73
10) Carbon Disulfide	3.199	76	2794	Below Cal			57
11) Freon 113	3.229	101	1080	0.29	ug/L		79
12) Iodomethane	3.326	142	347	4.05	ug/L		78
13) Methylene Chloride	3.810	84	4512	0.96	ug/L	#	76
14) Acetone	3.892	43	842	0.56	ug/L		82
15) t-1,2-Dichloroethene	3.982	61	2581	0.46	ug/L		90
16) n-Hexane	4.084	86	396	0.42	ug/L	#	37
17) Methyl-tert-butyl-ether	4.140	73	6669	0.47	ug/L		99
18) tert-Butanol (TBA)	4.342	59	9491	13.11	ug/L	#	87
19) Diisopropyl ether (DIPE)	4.537	45	1519	0.13	ug/L	#	71
20) 1,1-Dichloroethane	4.612	63	3257	0.44	ug/L		98
21) Acrylonitrile	4.661	53	165	0.09	ug/L		88
22) Ethyl-tert-butyl ether...	4.901	59	1591	0.13	ug/L		82
23) c-1,2-Dichloroethene	5.167	61	2551	0.45	ug/L		74
24) 2,2-Dichloropropane	5.264	77	2851	0.51	ug/L		90
25) Bromochloromethane	5.362	49	1401	0.46	ug/L		92
26) Chloroform	5.452	83	3644	0.46	ug/L		92
27) Carbon Tetrachloride	5.594	117	2346	0.43	ug/L		82
28) Tetrahydrofuran	5.635	42	973	0.58	ug/L	#	56
29) 1,1,1-Trichloroethane	5.665	97	3000	0.42	ug/L		83
31) 1,1-Dichloropropene	5.789	75	2643	0.44	ug/L		96
32) 2-Butanone (MEK)	5.778	43	997	0.43	ug/L		88
33) Benzene	6.040	78	8225	0.41	ug/L		95
34) tert-Amyl methyl ether...	6.198	73	2416	0.18	ug/L		96
35) 1,2-Dichloroethane (EDC)	6.239	62	2426	0.45	ug/L		78
36) iso-Butyl Alcohol	6.370	43	2012	7.47	ug/L		96
38) Trichloroethene (TCE)	6.659	130	2235	0.32	ug/L		96
39) tert-Amyl ethyl ether ...	6.951	59	1281	0.14	ug/L		76
40) Dibromomethane	7.094	93	611	0.19	ug/L	#	47
41) 1,2-Dichloropropane	7.214	63	1984	0.44	ug/L		95

Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111410.D
Acq On : 14 Nov 2020 07:47 pm
Operator : TNL
Sample : 0K14006-CAL3
Misc : 1X 5mL DI+MeOH 0.4 PPB
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 15 15:26:55 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration

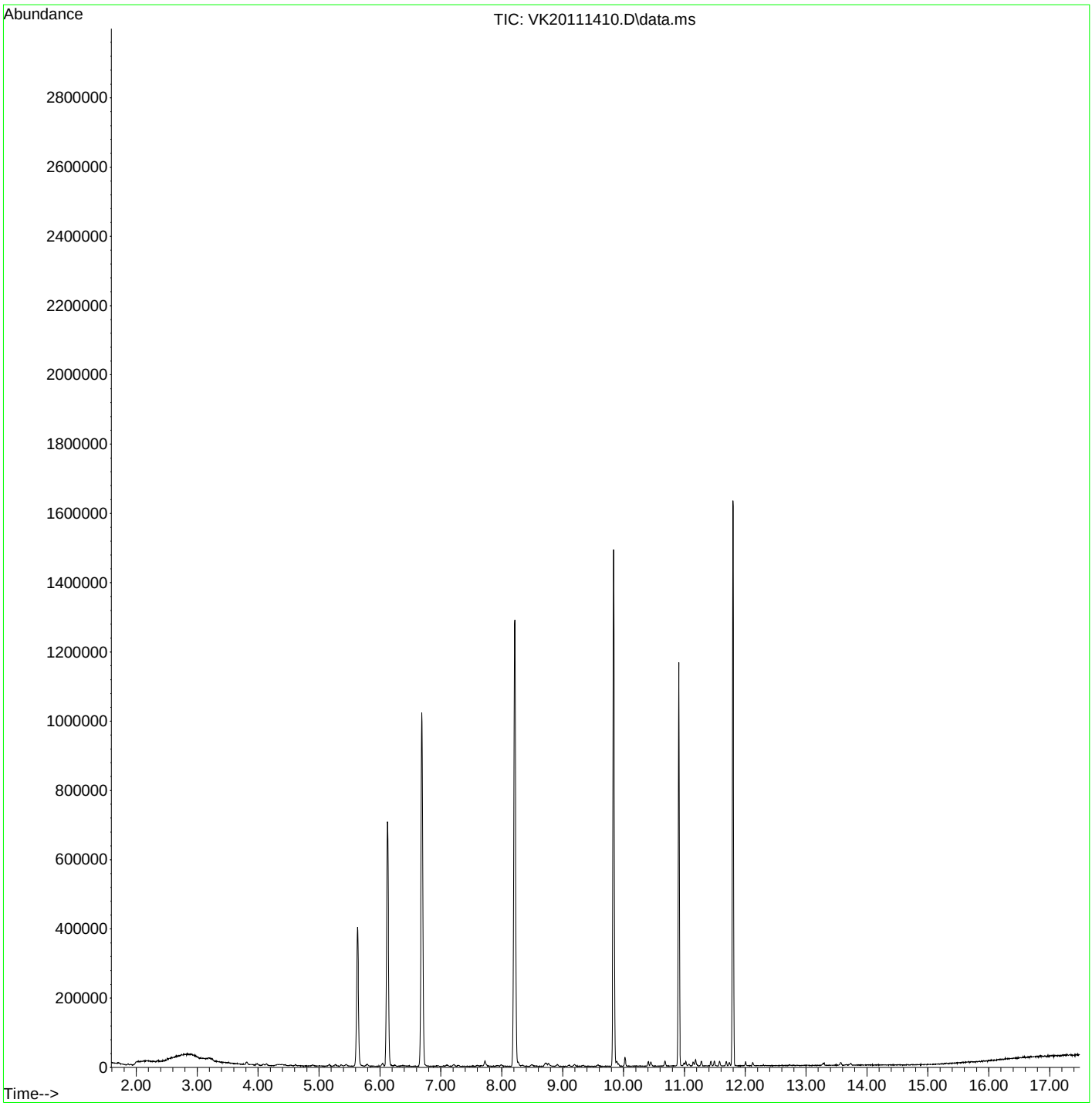
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) Bromodichloromethane	7.285	83	1984	0.37	ug/L		79
44) c-1,3-Dichloropropene	7.997	75	2528	0.44	ug/L		99
46) Toluene	8.275	91	9052	0.48	ug/L		88
47) Tetrachloroethene (PCE)	8.724	166	1927	0.32	ug/L		85
48) 4-Methyl-2-Pentanone (...	8.706	43	4097	1.11	ug/L		94
49) t-1,3-Dichloropropene	8.739	75	2378	0.49	ug/L		94
50) 1,1,2-Trichloroethane	8.908	97	2088	0.49	ug/L		77
51) Dibromochloromethane	9.099	129	1405	0.38	ug/L		86
52) 1,3-Dichloropropane	9.197	76	3555	0.54	ug/L		83
53) 1,2-Dibromoethane (EDB)	9.339	107	1969	0.44	ug/L		96
54) 2-Hexanone	9.579	43	2794	1.08	ug/L		96
55) Chlorobenzene	9.856	112	5781	0.45	ug/L		81
56) Ethylbenzene	9.886	91	8868	0.46	ug/L		93
57) 1,1,1,2-Tetrachloroethane	9.916	131	1448	0.37	ug/L		81
58) m,p-Xylenes (2)	10.021	91	13953	1.00	ug/L		92
59) o-Xylene	10.404	91	7297	0.51	ug/L		93
60) Styrene	10.449	104	5105	0.43	ug/L		91
61) Bromoform	10.460	173	713	0.89	ug/L		58
62) Isopropylbenzene	10.677	105	8501	0.47	ug/L		94
65) Bromobenzene	10.996	156	2060	0.41	ug/L	#	79
66) n-Propylbenzene	11.022	91	9374	0.54	ug/L		96
67) 1,1,2,2-Tetrachloroethane	11.075	83	2258	0.58	ug/L		88
68) 2-Chlorotoluene	11.142	126	1796	0.44	ug/L		94
69) 1,3,5-Trimethylbenzene	11.183	105	6345	0.51	ug/L		96
70) 1,2,3-Trichloropropane	11.180	110	895	0.56	ug/L	#	58
71) t-1,4-Dichloro-2-butene	11.213	88	209	0.39	ug/L	#	57
72) 4-Chlorotoluene	11.277	91	6020	0.57	ug/L		88
73) tert-Butylbenzene	11.435	91	3727	0.57	ug/L		89
74) 1,2,4-Trimethylbenzene	11.491	105	6788	0.53	ug/L		96
75) sec-Butylbenzene	11.577	105	7759	0.51	ug/L		94
76) 4-Isopropyltoluene	11.686	119	6055	0.45	ug/L		97
77) 1,3-Dichlorobenzene	11.742	146	3380	0.40	ug/L		97
78) 1,4-Dichlorobenzene	11.810	146	3719	0.43	ug/L	#	76
79) n-Butylbenzene	12.004	91	5652	0.55	ug/L		91
80) 1,2-Dichlorobenzene	12.124	146	3199	0.40	ug/L		94
81) 1,2-Dibromo-3-Chloropr...	12.735	157	394	0.84	ug/L	#	72
82) Hexachlorobutadiene	13.271	223	360	0.29	ug/L	#	62
83) 1,2,4-Trichlorobenzene	13.286	180	2069	0.38	ug/L		85
84) Naphthalene	13.568	128	6635	0.42	ug/L		98
85) 1,2,3-Trichlorobenzene	13.736	180	1730	0.33	ug/L		85

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111410.D
Acq On : 14 Nov 2020 07:47 pm
Operator : TNL
Sample : 0K14006-CAL3
Misc : 1X 5mL DI+MeOH 0.4 PPB
ALS Vial : 5 Sample Multiplier: 1

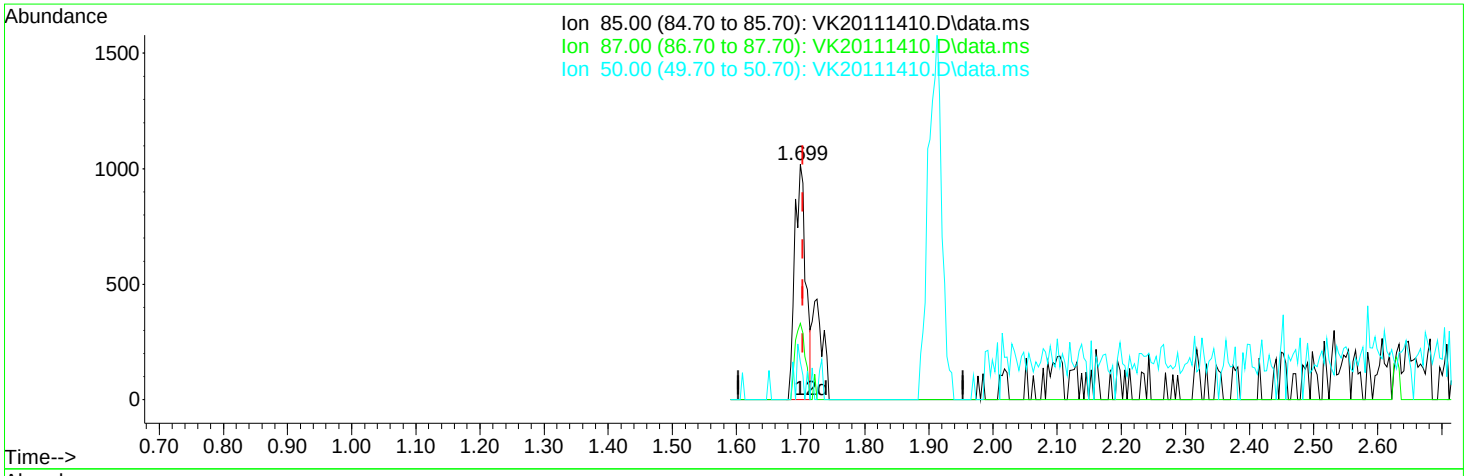
Quant Time: Nov 15 15:26:55 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration

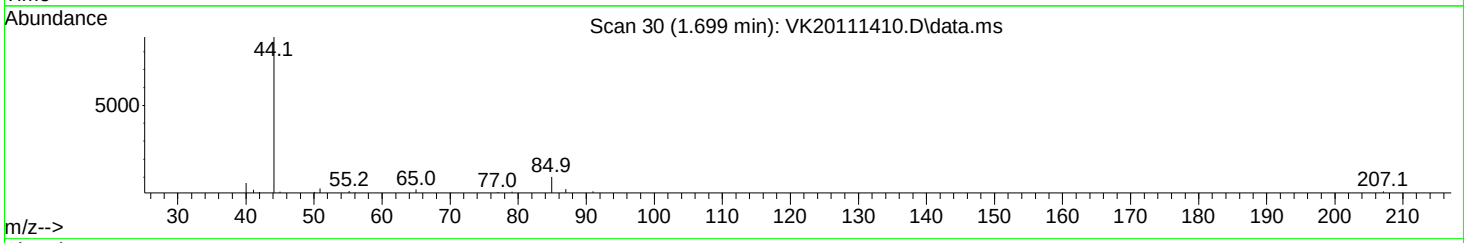


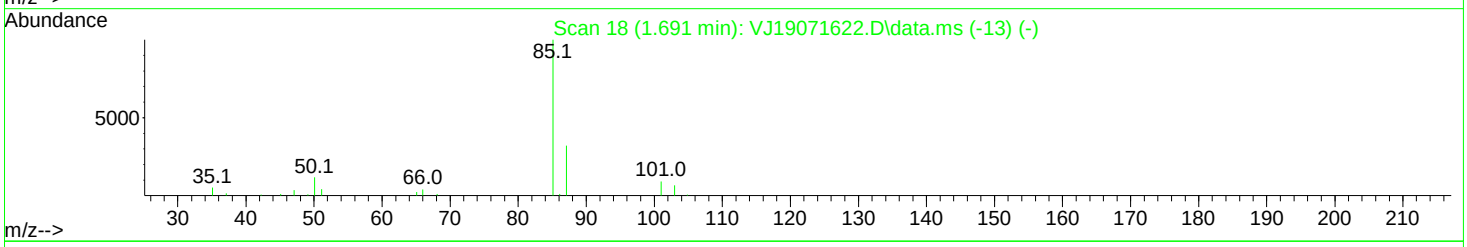
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111410.D
Acq On : 14 Nov 2020 07:47 pm
Operator : TNL
Sample : 0K14006-CAL3
Misc : 1X 5mL DI+MeOH 0.4 PPB
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 15 15:26:55 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration







TIC: VK20111410.D\data.ms

(2) Dichlorodifluoromethane

1.699min (-0.004) 0.32 ug/L

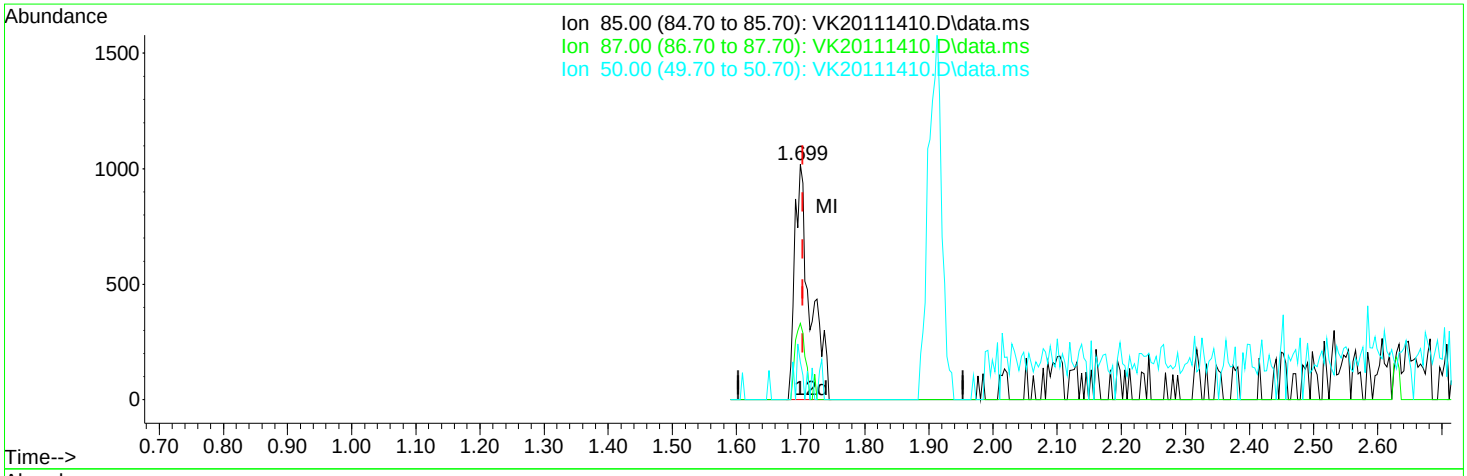
response 1217

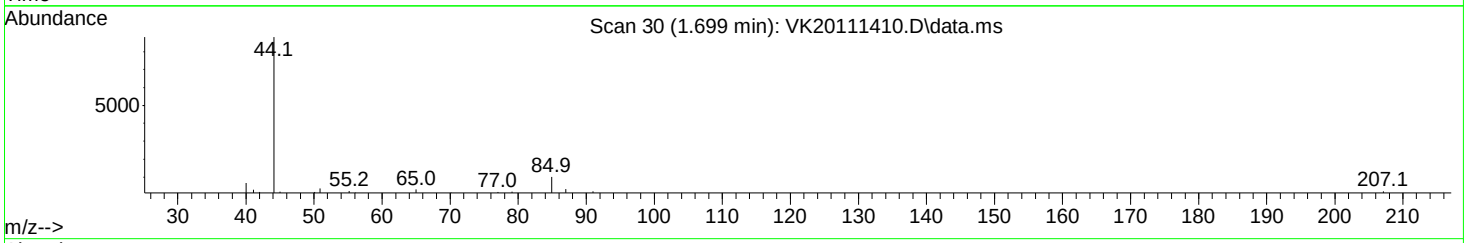
Ion	Exp%	Act%
85.00	100.00	100.00
87.00	31.10	32.48
50.00	11.20	16.00
0.00	0.00	0.00

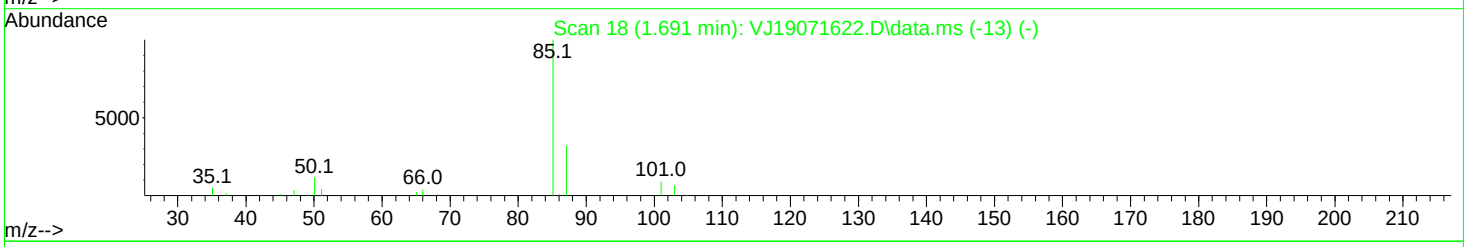
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111410.D
Acq On : 14 Nov 2020 07:47 pm
Operator : TNL
Sample : 0K14006-CAL3
Misc : 1X 5mL DI+MeOH 0.4 PPB
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 15 15:26:55 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration







TIC: VK20111410.D\data.ms

(2) Dichlorodifluoromethane

1.699min (-0.004) 0.45 ug/L m

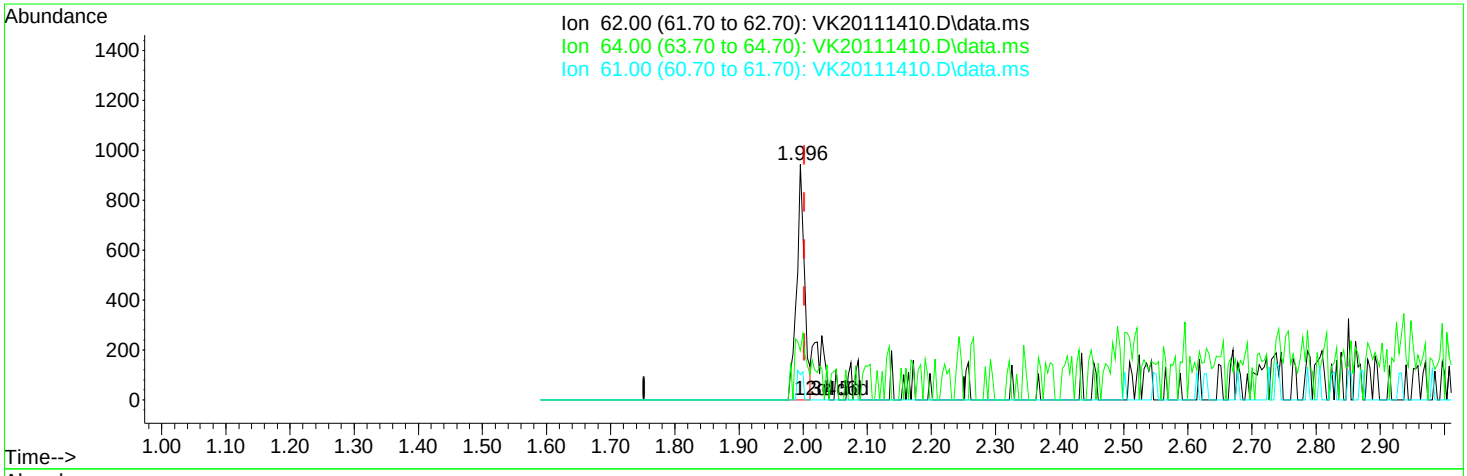
response 1713

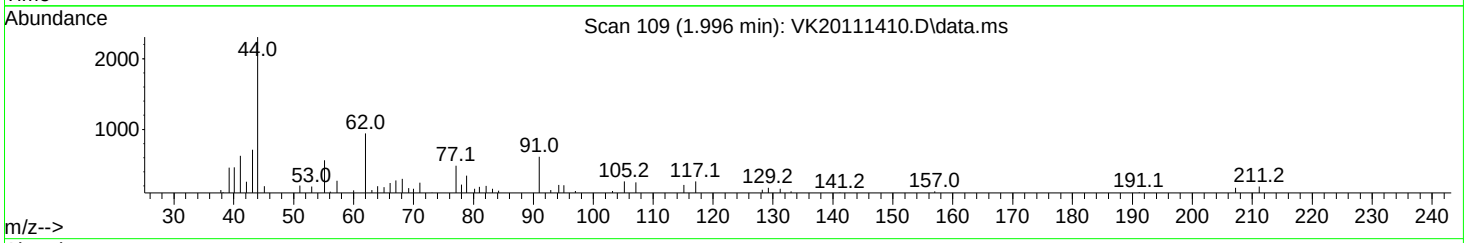
Ion	Exp%	Act%
85.00	100.00	100.00
87.00	31.10	32.48
50.00	11.20	16.00
0.00	0.00	0.00

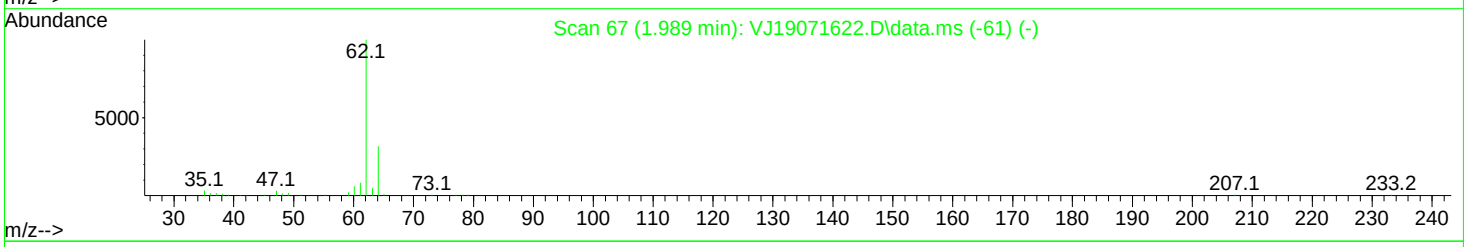
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111410.D
Acq On : 14 Nov 2020 07:47 pm
Operator : TNL
Sample : 0K14006-CAL3
Misc : 1X 5mL DI+MeOH 0.4 PPB
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 15 15:26:55 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration







TIC: VK20111410.D\data.ms

(4) Vinyl Chloride (C)

1.996min (-0.006) 0.34 ug/L

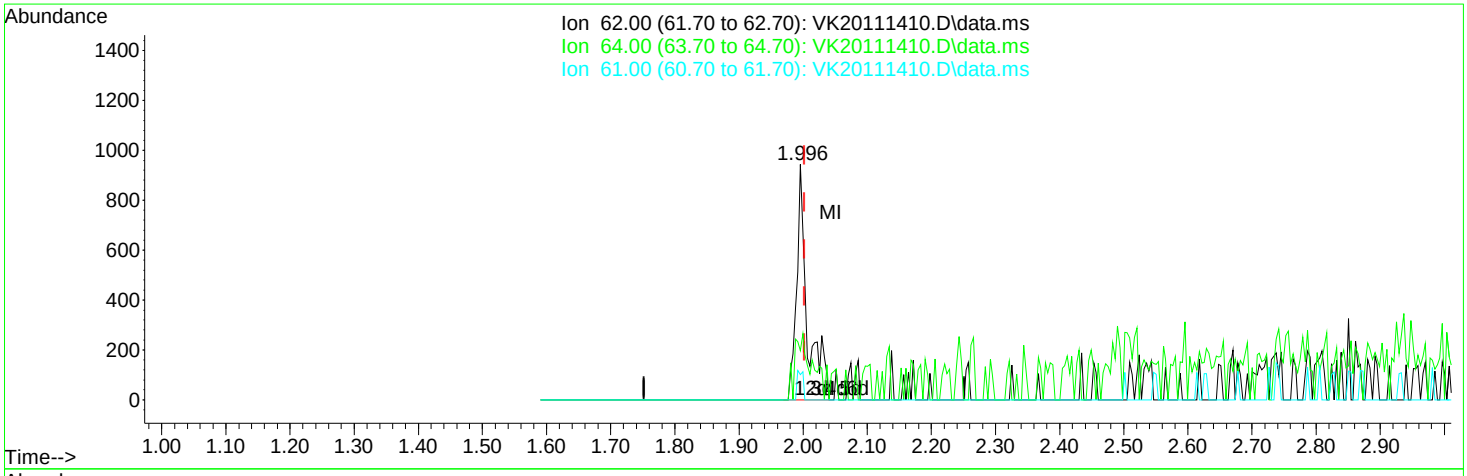
response 805

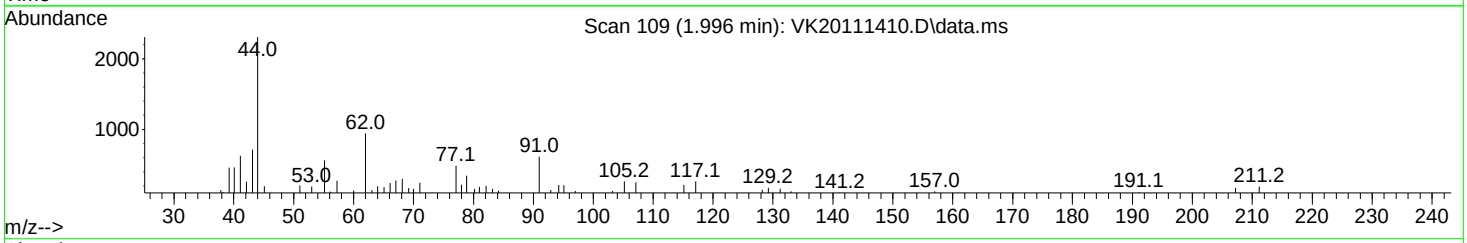
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	35.50	20.89
61.00	8.30	10.71
0.00	0.00	0.00

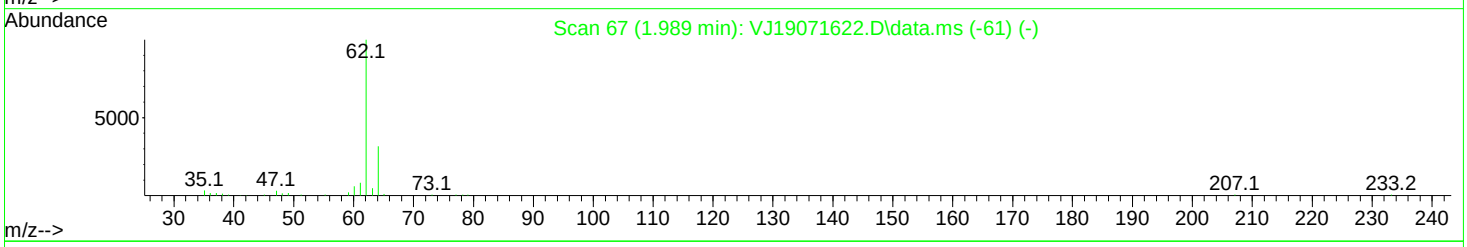
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111410.D
Acq On : 14 Nov 2020 07:47 pm
Operator : TNL
Sample : 0K14006-CAL3
Misc : 1X 5mL DI+MeOH 0.4 PPB
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 15 15:26:55 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration







TIC: VK20111410.D\data.ms

(4) Vinyl Chloride (C)

1.996min (-0.006) 0.47 ug/L m

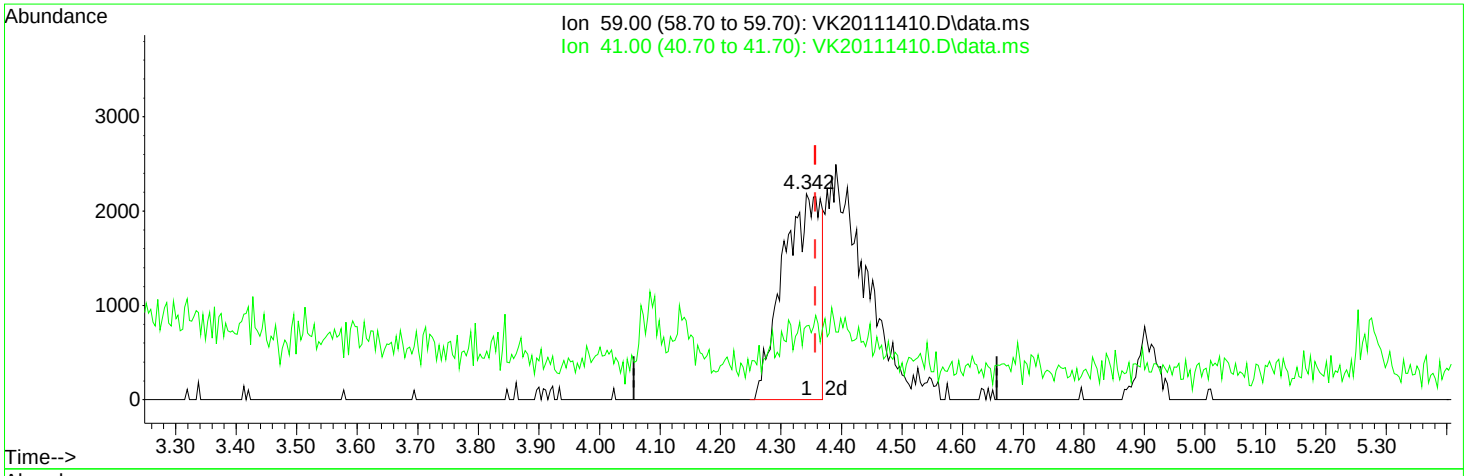
response 1101

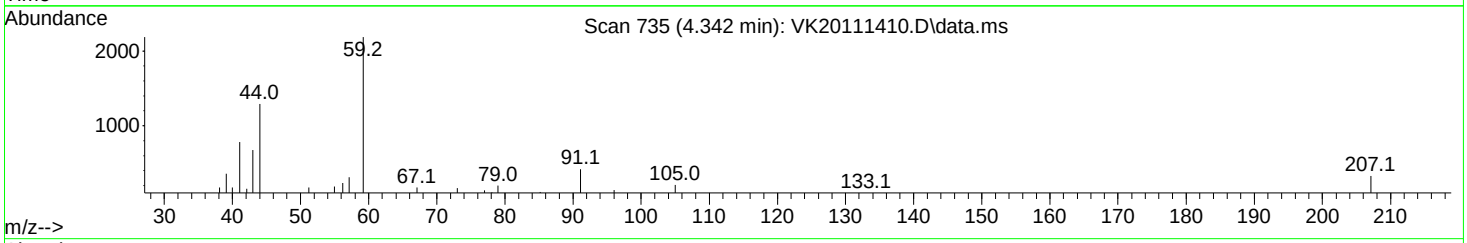
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	35.50	20.89
61.00	8.30	10.71
0.00	0.00	0.00

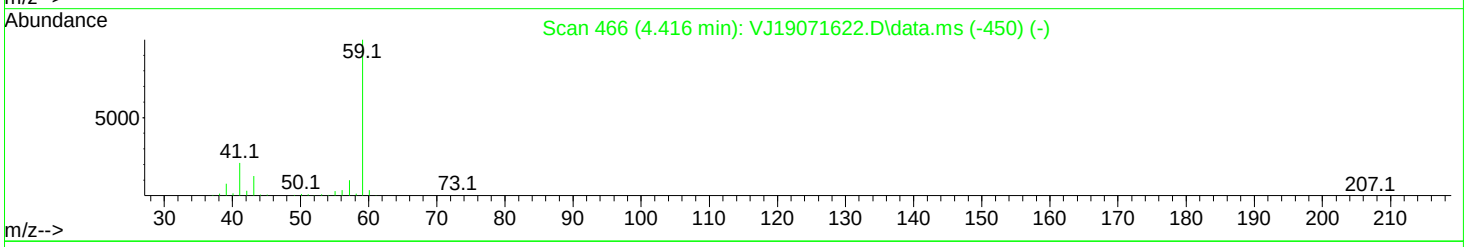
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111410.D
Acq On : 14 Nov 2020 07:47 pm
Operator : TNL
Sample : 0K14006-CAL3
Misc : 1X 5mL DI+MeOH 0.4 PPB
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 15 15:26:55 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration







TIC: VK20111410.D\data.ms

(18) tert-Butanol (TBA)

4.342min (-0.015) 13.11 ug/L

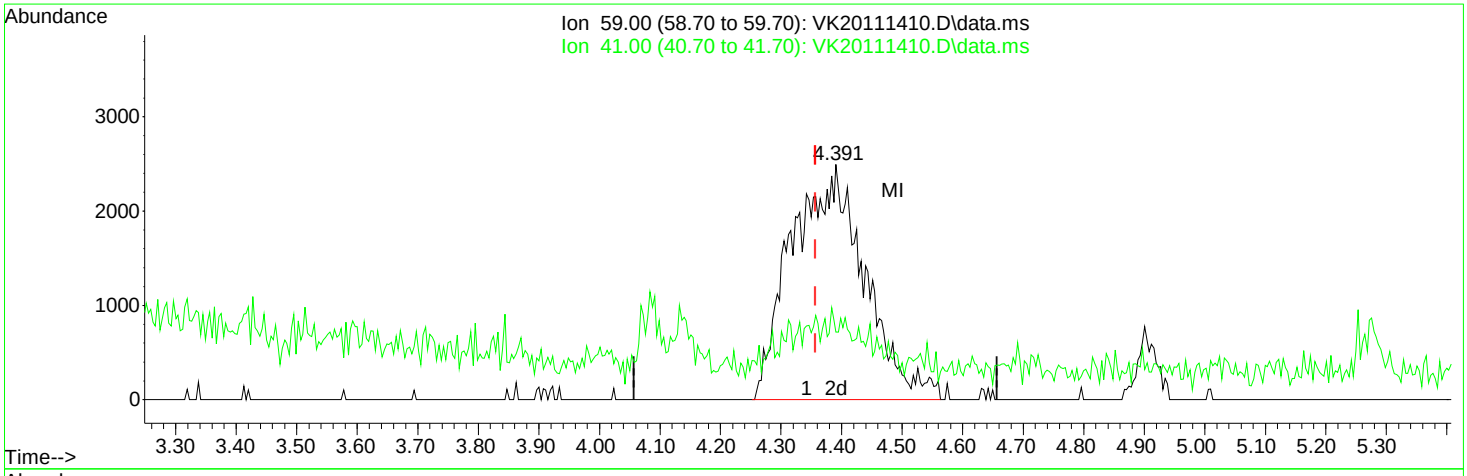
response 9491

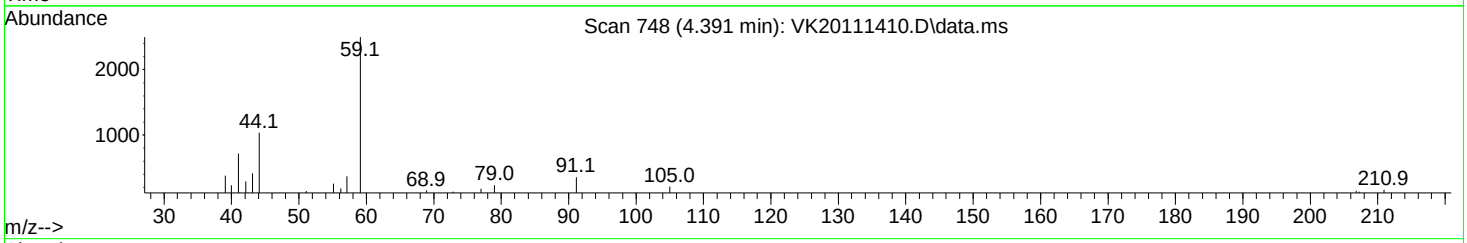
Ion	Exp%	Act%
59.00	100.00	100.00
41.00	28.80	35.82#
0.00	0.00	0.00
0.00	0.00	0.00

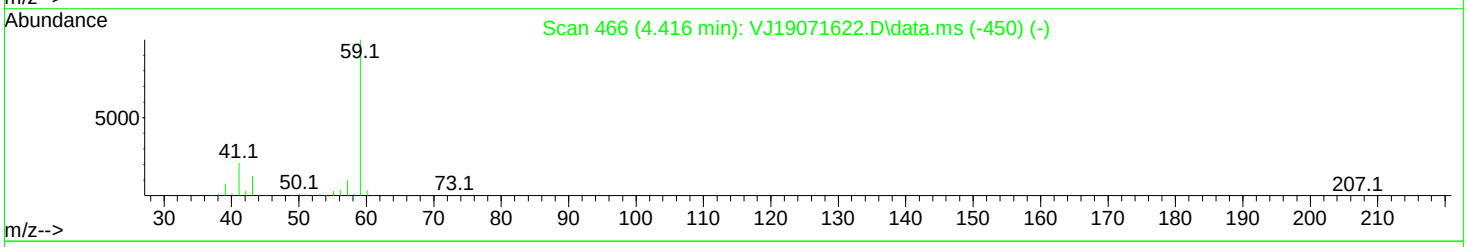
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111410.D
Acq On : 14 Nov 2020 07:47 pm
Operator : TNL
Sample : 0K14006-CAL3
Misc : 1X 5mL DI+MeOH 0.4 PPB
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 15 15:26:55 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration







TIC: VK20111410.D\data.ms

(18) tert-Butanol (TBA)

4.391min (+ 0.034) 28.80 ug/L m

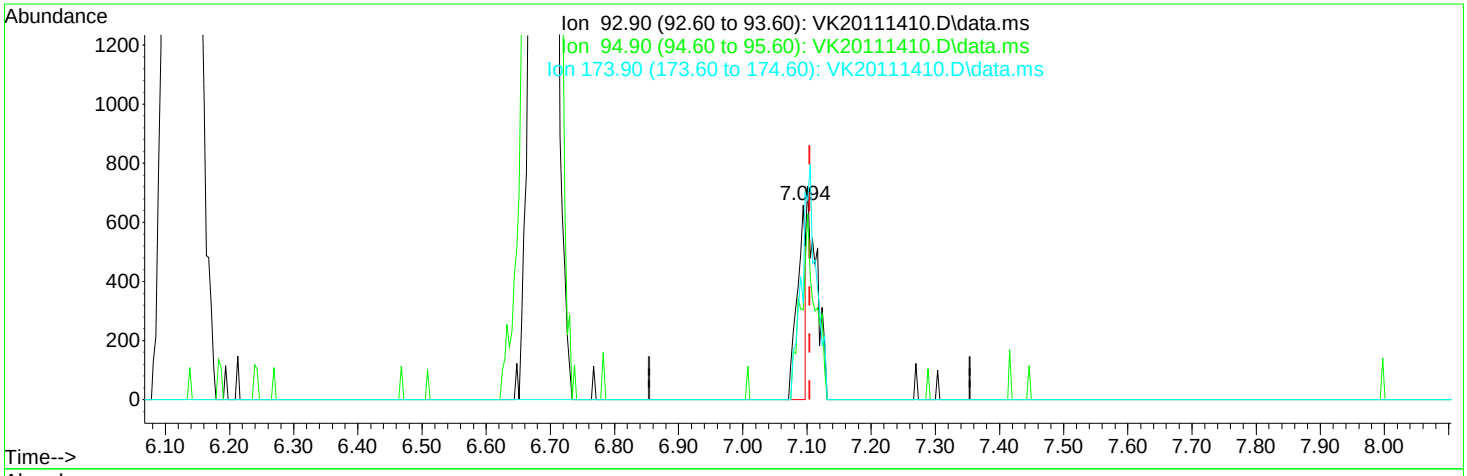
response 20849

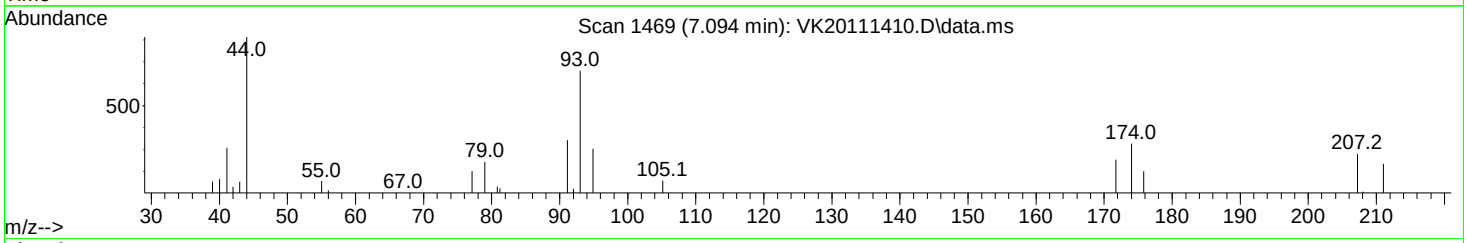
Ion	Exp%	Act%
59.00	100.00	100.00
41.00	28.80	28.78#
0.00	0.00	0.00
0.00	0.00	0.00

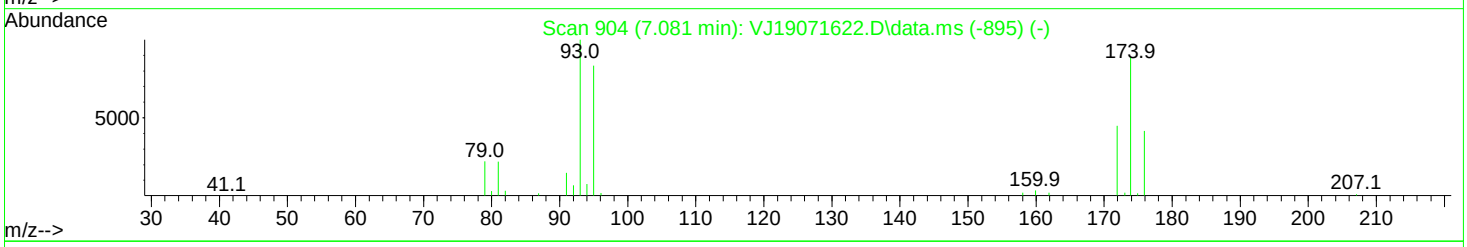
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111410.D
Acq On : 14 Nov 2020 07:47 pm
Operator : TNL
Sample : 0K14006-CAL3
Misc : 1X 5mL DI+MeOH 0.4 PPB
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 15 15:26:55 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration







TIC: VK20111410.D\data.ms

(40) Dibromomethane

7.094min (-0.010) 0.19 ug/L

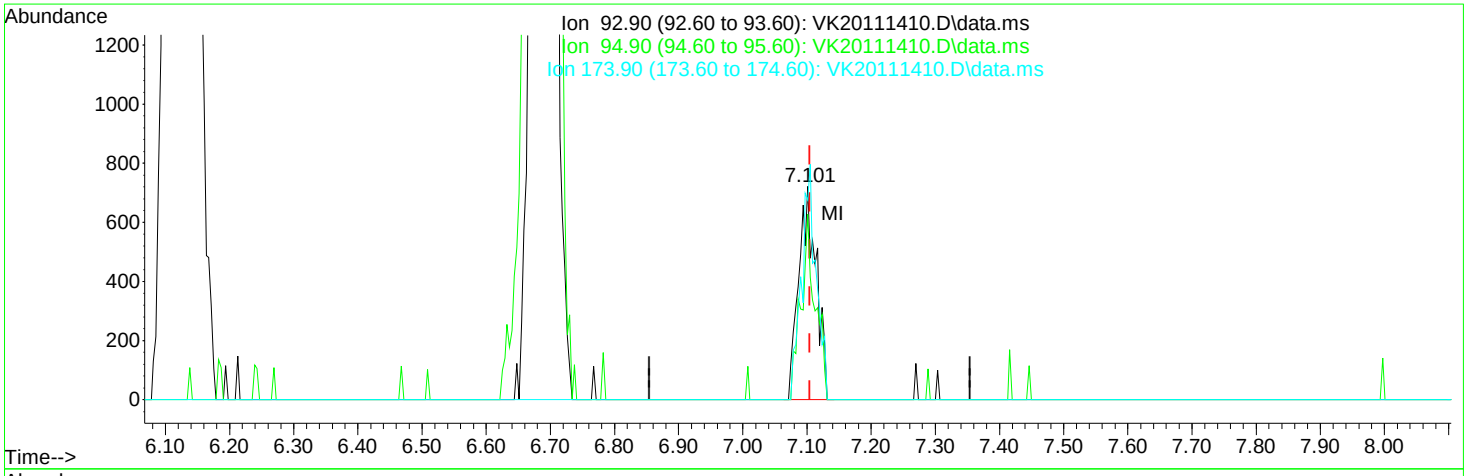
response 611

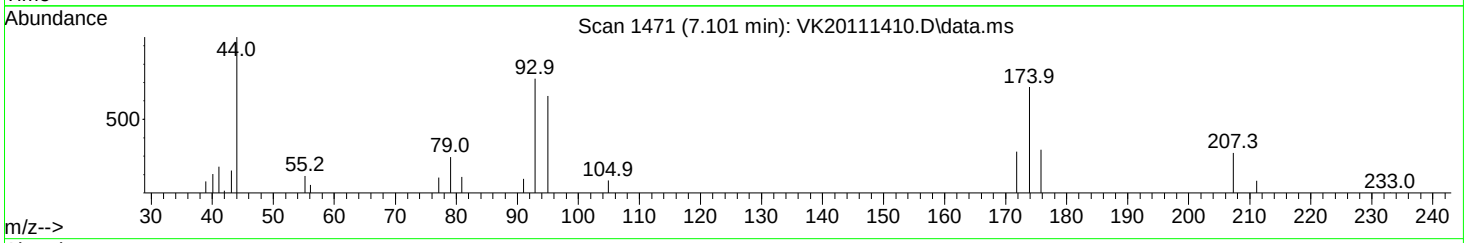
Ion	Exp%	Act%
92.90	100.00	100.00
94.90	83.10	46.13#
173.90	115.70	49.62#
0.00	0.00	0.00

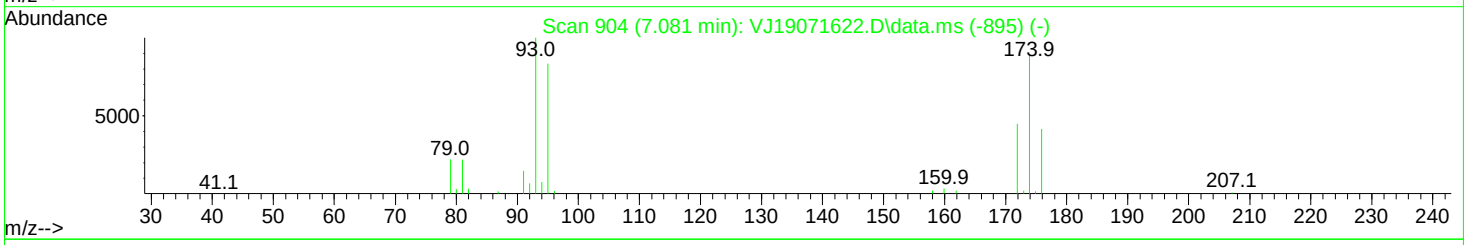
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111410.D
Acq On : 14 Nov 2020 07:47 pm
Operator : TNL
Sample : 0K14006-CAL3
Misc : 1X 5mL DI+MeOH 0.4 PPB
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 15 15:26:55 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration







TIC: VK20111410.D\data.ms

(40) Dibromomethane

7.101min (-0.003) 0.42 ug/L m

response 1374

Ion	Exp%	Act%
92.90	100.00	100.00
94.90	83.10	86.96
173.90	115.70	93.62
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111410.D
Acq On : 14 Nov 2020 07:47 pm
Operator : TNL
Sample : 0K14006-CAL3
Misc : 1X 5mL DI+MeOH 0.4 PPB
ALS Vial : 5 Sample Multiplier: 1

11/15/20 TNL

Quant Time: Nov 15 15:26:55 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.123	99	290214	50.00	ug/L	#	0.00
43) Chlorobenzene-d5 (I)	9.838	117	815396	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.798	152	356886	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.632	111	259630	43.31	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.689	114	933542	42.38	ug/L		0.00
45) Toluene-d8 (S)	8.215	98	993540	52.42	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.906	174	277413	45.32	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.699	85	1713m	0.45	ug/L		
3) Chloromethane	1.913	50	2332	0.54	ug/L		90
4) Vinyl Chloride	1.996	62	1101m	0.47	ug/L		
5) Bromomethane	2.355	96	2409	1.18	ug/L	#	69
6) Chloroethane	0.000		0	N.D.	d		
7) Trichlorofluoromethane	0.000		0	N.D.	d		
8) Ethanol	0.000		0	N.D.	d		
9) 1,1-Dichloroethene	3.188	61	1418	0.42	ug/L		73
10) Carbon Disulfide	3.199	76	2794	Below Cal			57
11) Freon 113	0.000		0	N.D.	d		
12) Iodomethane	0.000		0	N.D.	d		
13) Methylene Chloride	3.810	84	4512	0.96	ug/L	#	76
14) Acetone	0.000		0	N.D.	d		
15) t-1,2-Dichloroethene	3.982	61	2581	0.46	ug/L		90
16) n-Hexane	4.084	86	396	0.42	ug/L	#	37
17) Methyl-tert-butyl-ether	4.140	73	6669	0.47	ug/L		99
18) tert-Butanol (TBA)	4.391	59	20849m	28.80	ug/L		
19) Diisopropyl ether (DIPE)	0.000		0	N.D.	d		
20) 1,1-Dichloroethane	4.612	63	3257	0.44	ug/L		98
21) Acrylonitrile	0.000		0	N.D.	d		
22) Ethyl-tert-butyl ether...	4.901	59	1591	0.13	ug/L		82
23) c-1,2-Dichloroethene	5.167	61	2551	0.45	ug/L		74
24) 2,2-Dichloropropane	5.264	77	2851	0.51	ug/L		90
25) Bromochloromethane	5.362	49	1401	0.46	ug/L		92
26) Chloroform	5.452	83	3644	0.46	ug/L		92
27) Carbon Tetrachloride	5.594	117	2346	0.43	ug/L		82
28) Tetrahydrofuran	0.000		0	N.D.	d		
29) 1,1,1-Trichloroethane	5.665	97	3000	0.42	ug/L		83
31) 1,1-Dichloropropene	5.789	75	2643	0.44	ug/L		96
32) 2-Butanone (MEK)	0.000		0	N.D.	d		
33) Benzene	6.040	78	8225	0.41	ug/L		95
34) tert-Amyl methyl ether...	0.000		0	N.D.	d		
35) 1,2-Dichloroethane (EDC)	6.239	62	2426	0.45	ug/L		78
36) iso-Butyl Alcohol	0.000		0	N.D.	d		
38) Trichloroethene (TCE)	6.659	130	2235	0.32	ug/L		96
39) tert-Amyl ethyl ether ...	6.951	59	1281	0.14	ug/L		76
40) Dibromomethane	7.101	93	1374m	0.42	ug/L		
41) 1,2-Dichloropropane	7.214	63	1984	0.44	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111410.D
Acq On : 14 Nov 2020 07:47 pm
Operator : TNL
Sample : 0K14006-CAL3
Misc : 1X 5mL DI+MeOH 0.4 PPB
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 15 15:26:55 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration

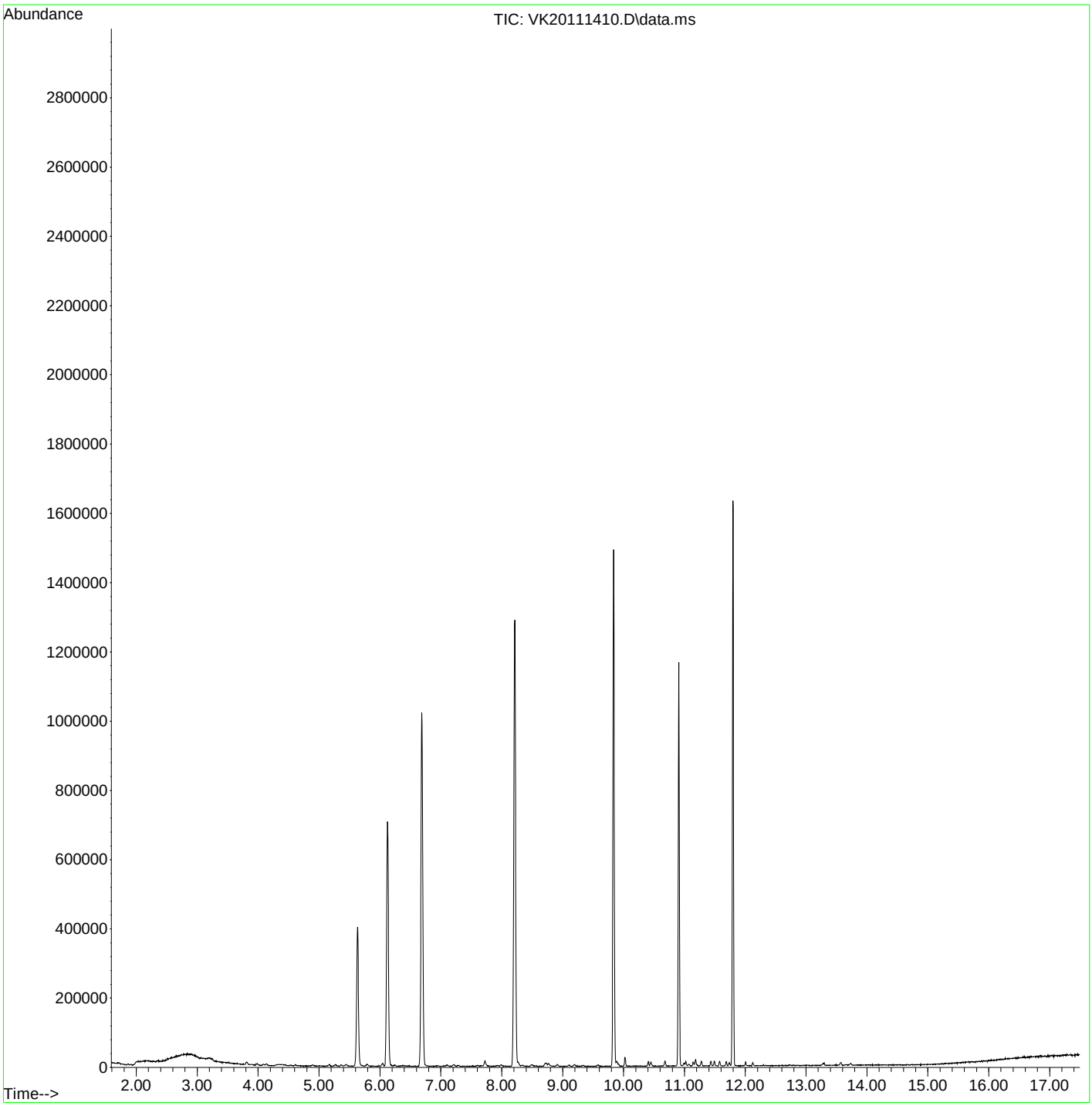
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Bromodichloromethane	7.285	83	1984	0.37	ug/L	79
44) c-1,3-Dichloropropene	7.997	75	2528	0.44	ug/L	99
46) Toluene	8.275	91	9052	0.48	ug/L	88
47) Tetrachloroethene (PCE)	8.724	166	1927	0.32	ug/L	85
48) 4-Methyl-2-Pentanone (...	8.706	43	4097	1.11	ug/L	94
49) t-1,3-Dichloropropene	8.739	75	2378	0.49	ug/L	94
50) 1,1,2-Trichloroethane	8.908	97	2088	0.49	ug/L	77
51) Dibromochloromethane	9.099	129	1405	0.38	ug/L	86
52) 1,3-Dichloropropane	9.197	76	3555	0.54	ug/L	83
53) 1,2-Dibromoethane (EDB)	9.339	107	1969	0.44	ug/L	96
54) 2-Hexanone	9.579	43	2794	1.08	ug/L	96
55) Chlorobenzene	9.856	112	5781	0.45	ug/L	81
56) Ethylbenzene	9.886	91	8868	0.46	ug/L	93
57) 1,1,1,2-Tetrachloroethane	9.916	131	1448	0.37	ug/L	81
58) m,p-Xylenes (2)	10.021	91	13953	1.00	ug/L	92
59) o-Xylene	10.404	91	7297	0.51	ug/L	93
60) Styrene	10.449	104	5105	0.43	ug/L	91
61) Bromoform	10.460	173	713	0.89	ug/L	58
62) Isopropylbenzene	10.677	105	8501	0.47	ug/L	94
65) Bromobenzene	10.996	156	2060	0.41	ug/L #	79
66) n-Propylbenzene	11.022	91	9374	0.54	ug/L	96
67) 1,1,2,2-Tetrachloroethane	11.075	83	2258	0.58	ug/L	88
68) 2-Chlorotoluene	11.142	126	1796	0.44	ug/L	94
69) 1,3,5-Trimethylbenzene	11.183	105	6345	0.51	ug/L	96
70) 1,2,3-Trichloropropane	11.180	110	895	0.56	ug/L #	58
71) t-1,4-Dichloro-2-butene	11.213	88	209	0.39	ug/L #	57
72) 4-Chlorotoluene	11.277	91	6020	0.57	ug/L	88
73) tert-Butylbenzene	11.435	91	3727	0.57	ug/L	89
74) 1,2,4-Trimethylbenzene	11.491	105	6788	0.53	ug/L	96
75) sec-Butylbenzene	11.577	105	7759	0.51	ug/L	94
76) 4-Isopropyltoluene	11.686	119	6055	0.45	ug/L	97
77) 1,3-Dichlorobenzene	11.742	146	3380	0.40	ug/L	97
78) 1,4-Dichlorobenzene	11.810	146	3719	0.43	ug/L #	76
79) n-Butylbenzene	12.004	91	5652	0.55	ug/L	91
80) 1,2-Dichlorobenzene	12.124	146	3199	0.40	ug/L	94
81) 1,2-Dibromo-3-Chloropr...	0.000		0	N.D.	d	
82) Hexachlorobutadiene	13.271	223	360	0.29	ug/L #	62
83) 1,2,4-Trichlorobenzene	13.286	180	2069	0.38	ug/L	85
84) Naphthalene	13.568	128	6635	0.42	ug/L	98
85) 1,2,3-Trichlorobenzene	13.736	180	1730	0.33	ug/L	85

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111410.D
Acq On : 14 Nov 2020 07:47 pm
Operator : TNL
Sample : 0K14006-CAL3
Misc : 1X 5mL DI+MeOH 0.4 PPB
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 15 15:26:55 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111411.D
Acq On : 14 Nov 2020 08:15 pm
Operator : TNL
Sample : 0K14006-CAL4
Misc : 1X 5mL DI+MeOH 1 PPB

11/15/20 TNL

ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 15 15:30:35 2020
Quant Method : C:\GCMS\1\methods\~~VK201115S.M~~
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.126	99	288374	50.00	ug/L		0.00
43) Chlorobenzene-d5 (I)	9.837	117	809308	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.794	152	351289	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.631	111	257876	43.29	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.692	114	927482	42.37	ug/L		0.00
45) Toluene-d8 (S)	8.214	98	990547	52.66	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.910	174	272690	45.26	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.699	85	3704	0.99	ug/L		96
3) Chloromethane	1.913	50	5080	1.18	ug/L		97
4) Vinyl Chloride	1.999	62	2278	0.98	ug/L		92
5) Bromomethane	2.363	96	3675	1.81	ug/L		84
6) Chloroethane	2.513	64	1036	1.65	ug/L	#	1
7) Trichlorofluoromethane	2.648	101	1540	1.27	ug/L		83
8) Ethanol	3.420	45	856	10.65	ug/L		80
9) 1,1-Dichloroethene	3.187	61	3589	0.93	ug/L		89
10) Carbon Disulfide	3.206	76	6828	0.06	ug/L		90
11) Freon 113	3.244	101	2936	0.80	ug/L		91
12) Iodomethane	3.341	142	1037	4.27	ug/L		92
13) Methylene Chloride	3.810	84	6588	1.41	ug/L	#	77
14) Acetone	3.900	43	4724	3.17	ug/L		95
15) t-1,2-Dichloroethene	3.990	61	5617	1.01	ug/L	#	73
16) n-Hexane	4.087	86	768	0.82	ug/L	#	59
17) Methyl-tert-butyl-ether	4.132	73	15808	1.12	ug/L		90
18) tert-Butanol (TBA)	4.372	59	48652	67.63	ug/L	#	89
19) Diisopropyl ether (DIPE)	4.544	45	3407	0.29	ug/L		83
20) 1,1-Dichloroethane	4.616	63	8113	1.10	ug/L		95
21) Acrylonitrile	4.661	53	1016	0.53	ug/L		72
22) Ethyl-tert-butyl ether...	4.912	59	3551	0.29	ug/L		85
23) c-1,2-Dichloroethene	5.167	61	6341	1.12	ug/L		88
24) 2,2-Dichloropropane	5.275	77	5698	1.03	ug/L		92
25) Bromochloromethane	5.365	49	3525	1.17	ug/L	#	75
26) Chloroform	5.448	83	8724	1.12	ug/L		95
27) Carbon Tetrachloride	5.594	117	5295	0.97	ug/L		89
28) Tetrahydrofuran	5.631	42	2335	1.39	ug/L		80
29) 1,1,1-Trichloroethane	5.665	97	7316	1.04	ug/L		91
31) 1,1-Dichloropropene	5.793	75	6160	1.04	ug/L		99
32) 2-Butanone (MEK)	5.778	43	4245	1.83	ug/L		89
33) Benzene	6.044	78	20010	1.00	ug/L		95
34) tert-Amyl methyl ether...	6.194	73	4436	0.33	ug/L		87
35) 1,2-Dichloroethane (EDC)	6.246	62	6361	1.17	ug/L		94
36) iso-Butyl Alcohol	6.366	43	8295	30.97	ug/L		89
38) Trichloroethene (TCE)	6.666	130	5447	0.78	ug/L		76
39) tert-Amyl ethyl ether ...	6.947	59	2691	0.30	ug/L		88
40) Dibromomethane	7.108	93	3095	0.96	ug/L		92
41) 1,2-Dichloropropane	7.210	63	5061	1.13	ug/L		91

Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111411.D
Acq On : 14 Nov 2020 08:15 pm
Operator : TNL
Sample : 0K14006-CAL4
Misc : 1X 5mL DI+MeOH 1 PPB
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 15 15:30:35 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration

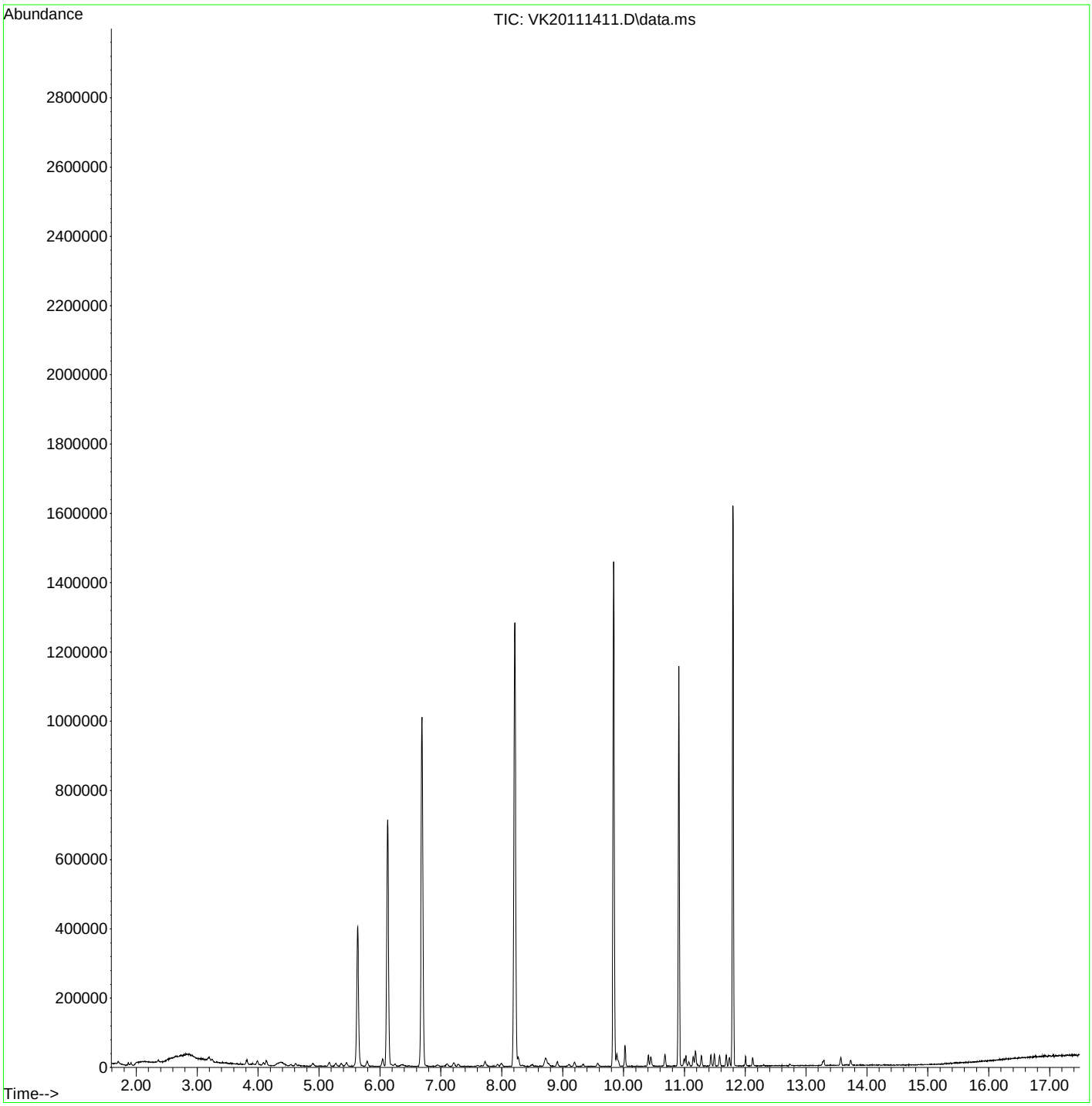
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) Bromodichloromethane	7.292	83	4577	0.87	ug/L		90
44) c-1,3-Dichloropropene	7.997	75	6328	1.12	ug/L		88
46) Toluene	8.271	91	21508	1.14	ug/L		98
47) Tetrachloroethene (PCE)	8.728	166	4778	0.80	ug/L		91
48) 4-Methyl-2-Pentanone (...	8.709	43	9815	2.69	ug/L		92
49) t-1,3-Dichloropropene	8.739	75	5274	1.10	ug/L		98
50) 1,1,2-Trichloroethane	8.912	97	4628	1.10	ug/L		94
51) Dibromochloromethane	9.103	129	3178	0.87	ug/L		93
52) 1,3-Dichloropropane	9.193	76	7793	1.19	ug/L		92
53) 1,2-Dibromoethane (EDB)	9.339	107	4570	1.02	ug/L		96
54) 2-Hexanone	9.575	43	6792	2.64	ug/L		84
55) Chlorobenzene	9.852	112	13947	1.08	ug/L		83
56) Ethylbenzene	9.890	91	21774	1.14	ug/L		92
57) 1,1,1,2-Tetrachloroethane	9.916	131	3685	0.95	ug/L		85
58) m,p-Xylenes (2)	10.025	91	31329	2.26	ug/L		98
59) o-Xylene	10.407	91	17311	1.23	ug/L		98
60) Styrene	10.448	104	11776	1.00	ug/L		94
61) Bromoform	10.467	173	1590	1.16	ug/L		78
62) Isopropylbenzene	10.681	105	20059	1.11	ug/L		94
65) Bromobenzene	10.996	156	5237	1.06	ug/L		92
66) n-Propylbenzene	11.026	91	21740	1.28	ug/L		96
67) 1,1,2,2-Tetrachloroethane	11.071	83	5181	1.34	ug/L		94
68) 2-Chlorotoluene	11.142	126	4334	1.07	ug/L		93
69) 1,3,5-Trimethylbenzene	11.183	105	14833	1.22	ug/L		94
70) 1,2,3-Trichloropropane	11.179	110	1981	1.25	ug/L		95
71) t-1,4-Dichloro-2-butene	11.217	88	468	0.88	ug/L	#	63
72) 4-Chlorotoluene	11.281	91	13728	1.33	ug/L		90
73) tert-Butylbenzene	11.438	91	9082	1.41	ug/L		86
74) 1,2,4-Trimethylbenzene	11.491	105	15663	1.25	ug/L		98
75) sec-Butylbenzene	11.577	105	17750	1.20	ug/L		97
76) 4-Isopropyltoluene	11.686	119	14544	1.10	ug/L		96
77) 1,3-Dichlorobenzene	11.742	146	8502	1.02	ug/L		97
78) 1,4-Dichlorobenzene	11.809	146	8683	1.02	ug/L		83
79) n-Butylbenzene	12.004	91	13205	1.30	ug/L		96
80) 1,2-Dichlorobenzene	12.124	146	7913	1.01	ug/L		97
81) 1,2-Dibromo-3-Chloropr...	12.739	157	1029	1.31	ug/L		78
82) Hexachlorobutadiene	13.267	223	852	0.70	ug/L	#	75
83) 1,2,4-Trichlorobenzene	13.294	180	4635	0.86	ug/L		82
84) Naphthalene	13.567	128	16462	1.06	ug/L		98
85) 1,2,3-Trichlorobenzene	13.732	180	4239	0.82	ug/L		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111411.D
Acq On : 14 Nov 2020 08:15 pm
Operator : TNL
Sample : 0K14006-CAL4
Misc : 1X 5mL DI+MeOH 1 PPB
ALS Vial : 6 Sample Multiplier: 1

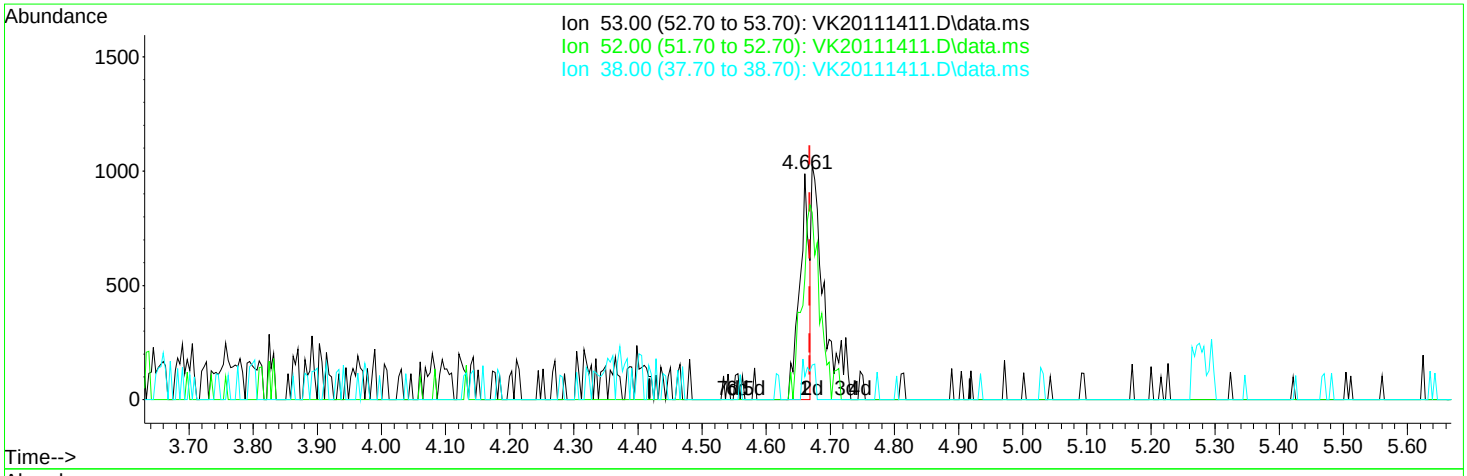
Quant Time: Nov 15 15:30:35 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration

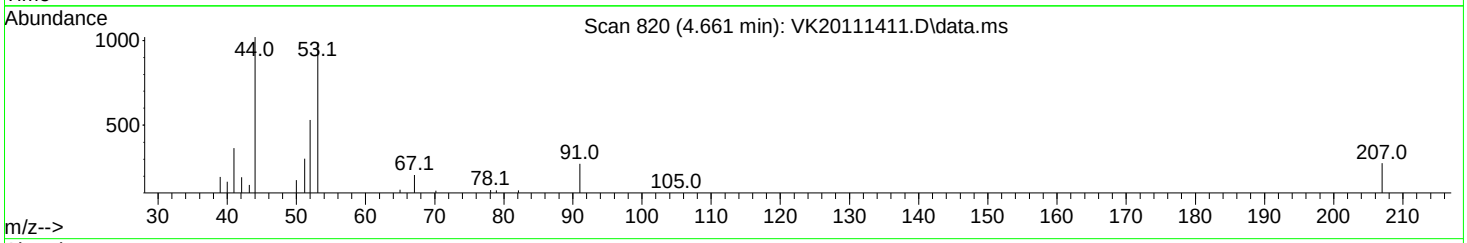


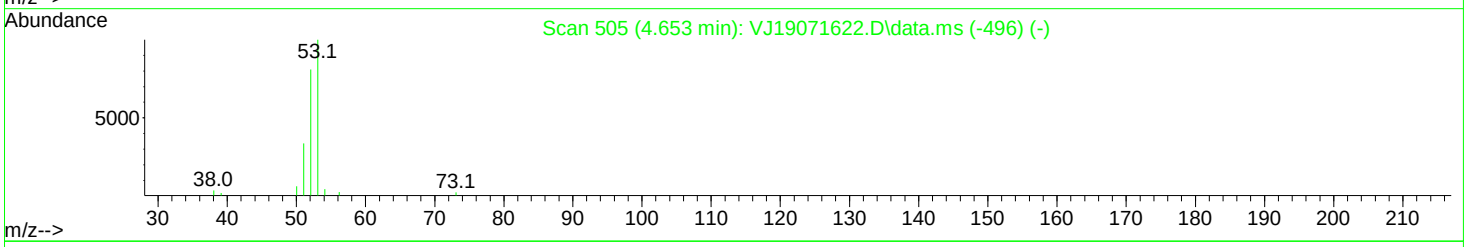
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111411.D
Acq On : 14 Nov 2020 08:15 pm
Operator : TNL
Sample : 0K14006-CAL4
Misc : 1X 5mL DI+MeOH 1 PPB
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 15 15:30:35 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration







TIC: VK20111411.D\data.ms

(21) Acrylonitrile

4.661min (-0.007) 0.53 ug/L

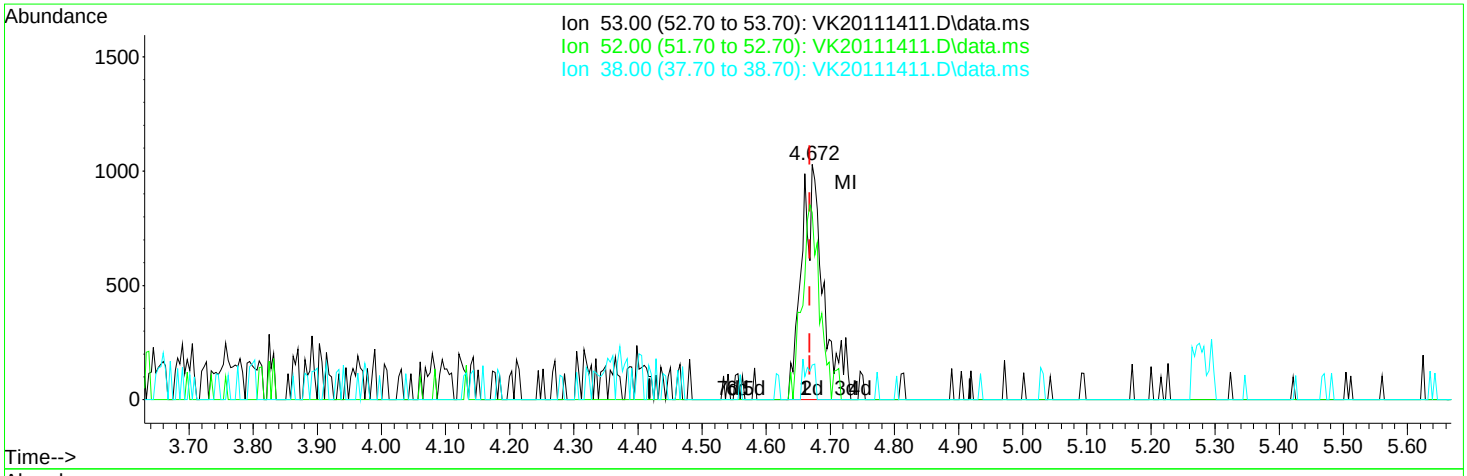
response 1016

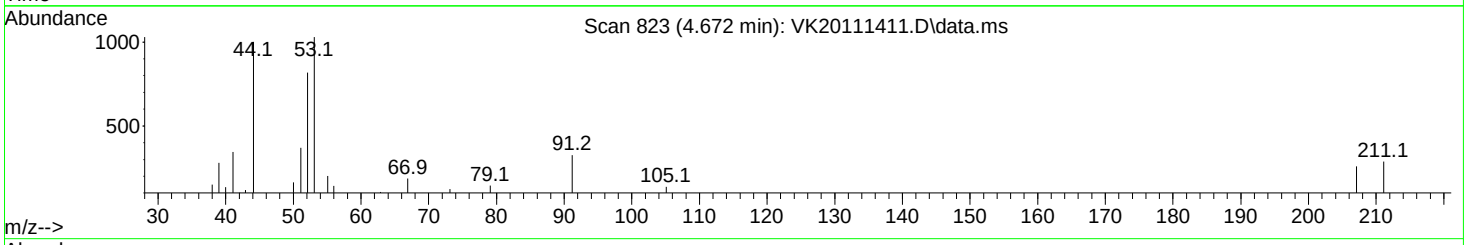
Ion	Exp%	Act%
53.00	100.00	100.00
52.00	79.60	53.79
38.00	5.50	10.31
0.00	0.00	0.00

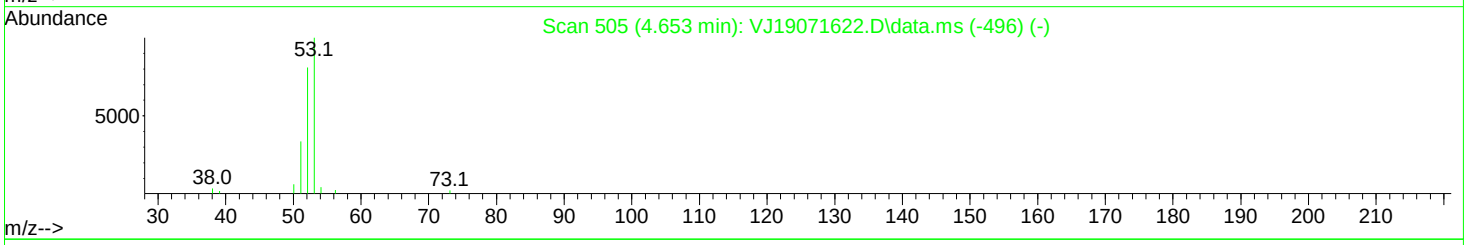
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111411.D
Acq On : 14 Nov 2020 08:15 pm
Operator : TNL
Sample : 0K14006-CAL4
Misc : 1X 5mL DI+MeOH 1 PPB
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 15 15:30:35 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration







TIC: VK20111411.D\data.ms

(21) Acrylonitrile

4.672min (+ 0.004) 1.27 ug/L m

response 2445

Ion	Exp%	Act%
53.00	100.00	100.00
52.00	79.60	79.49
38.00	5.50	14.77
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111411.D
Acq On : 14 Nov 2020 08:15 pm
Operator : TNL
Sample : 0K14006-CAL4
Misc : 1X 5mL DI+MeOH 1 PPB
ALS Vial : 6 Sample Multiplier: 1

11/15/20 TNL

Quant Time: Nov 15 15:30:35 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.126	99	288374	50.00	ug/L		0.00
43) Chlorobenzene-d5 (I)	9.837	117	809308	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.794	152	351289	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.631	111	257876	43.29	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.692	114	927482	42.37	ug/L		0.00
45) Toluene-d8 (S)	8.214	98	990547	52.66	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.910	174	272690	45.26	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.699	85	3704	0.99	ug/L		96
3) Chloromethane	1.913	50	5080	1.18	ug/L		97
4) Vinyl Chloride	1.999	62	2278	0.98	ug/L		92
5) Bromomethane	2.363	96	3675	1.81	ug/L		84
6) Chloroethane	2.513	64	1036	1.65	ug/L	#	1
7) Trichlorofluoromethane	2.648	101	1540	1.27	ug/L		83
8) Ethanol	0.000		0	N.D.	d		
9) 1,1-Dichloroethene	3.187	61	3589	0.93	ug/L		89
10) Carbon Disulfide	3.206	76	6828	0.06	ug/L		90
11) Freon 113	3.244	101	2936	0.80	ug/L		91
12) Iodomethane	0.000		0	N.D.	d		
13) Methylene Chloride	3.810	84	6588	1.41	ug/L	#	77
14) Acetone	3.900	43	4724	3.17	ug/L		95
15) t-1,2-Dichloroethene	3.990	61	5617	1.01	ug/L	#	73
16) n-Hexane	4.087	86	768	0.82	ug/L	#	59
17) Methyl-tert-butyl-ether	4.132	73	15808	1.12	ug/L		90
18) tert-Butanol (TBA)	4.372	59	48652	67.63	ug/L	#	89
19) Diisopropyl ether (DIPE)	4.544	45	3407	0.29	ug/L		83
20) 1,1-Dichloroethane	4.616	63	8113	1.10	ug/L		95
21) Acrylonitrile	4.672	53	2445m	1.27	ug/L		
22) Ethyl-tert-butyl ether...	4.912	59	3551	0.29	ug/L		85
23) c-1,2-Dichloroethene	5.167	61	6341	1.12	ug/L		88
24) 2,2-Dichloropropane	5.275	77	5698	1.03	ug/L		92
25) Bromochloromethane	5.365	49	3525	1.17	ug/L	#	75
26) Chloroform	5.448	83	8724	1.12	ug/L		95
27) Carbon Tetrachloride	5.594	117	5295	0.97	ug/L		89
28) Tetrahydrofuran	5.631	42	2335	1.39	ug/L		80
29) 1,1,1-Trichloroethane	5.665	97	7316	1.04	ug/L		91
31) 1,1-Dichloropropene	5.793	75	6160	1.04	ug/L		99
32) 2-Butanone (MEK)	5.778	43	4245	1.83	ug/L		89
33) Benzene	6.044	78	20010	1.00	ug/L		95
34) tert-Amyl methyl ether...	6.194	73	4436	0.33	ug/L		87
35) 1,2-Dichloroethane (EDC)	6.246	62	6361	1.17	ug/L		94
36) iso-Butyl Alcohol	6.366	43	8295	30.97	ug/L		89
38) Trichloroethene (TCE)	6.666	130	5447	0.78	ug/L		76
39) tert-Amyl ethyl ether ...	6.947	59	2691	0.30	ug/L		88
40) Dibromomethane	7.108	93	3095	0.96	ug/L		92
41) 1,2-Dichloropropane	7.210	63	5061	1.13	ug/L		91

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111411.D
Acq On : 14 Nov 2020 08:15 pm
Operator : TNL
Sample : 0K14006-CAL4
Misc : 1X 5mL DI+MeOH 1 PPB
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 15 15:30:35 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration

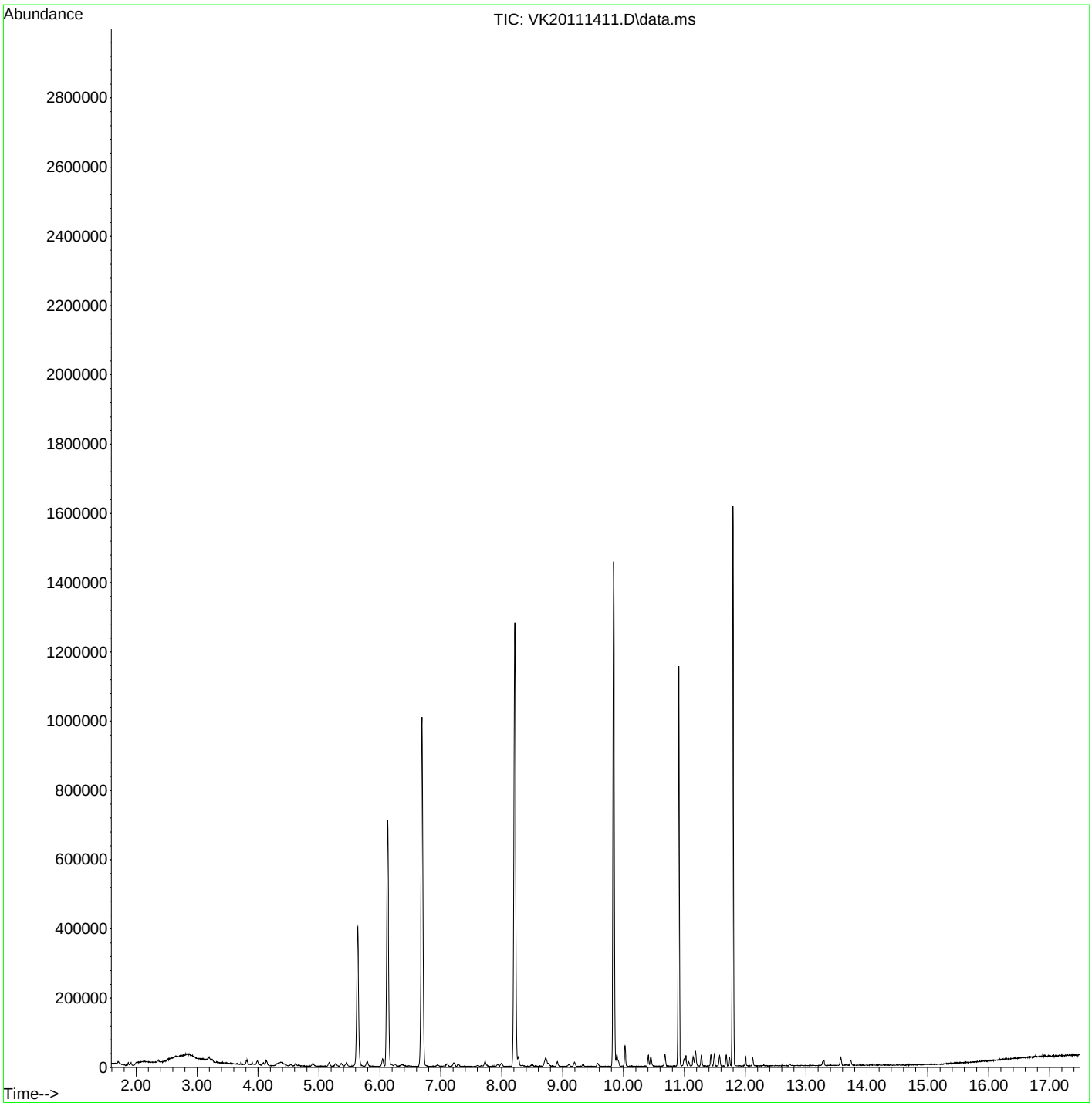
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) Bromodichloromethane	7.292	83	4577	0.87	ug/L		90
44) c-1,3-Dichloropropene	7.997	75	6328	1.12	ug/L		88
46) Toluene	8.271	91	21508	1.14	ug/L		98
47) Tetrachloroethene (PCE)	8.728	166	4778	0.80	ug/L		91
48) 4-Methyl-2-Pentanone (...	8.709	43	9815	2.69	ug/L		92
49) t-1,3-Dichloropropene	8.739	75	5274	1.10	ug/L		98
50) 1,1,2-Trichloroethane	8.912	97	4628	1.10	ug/L		94
51) Dibromochloromethane	9.103	129	3178	0.87	ug/L		93
52) 1,3-Dichloropropane	9.193	76	7793	1.19	ug/L		92
53) 1,2-Dibromoethane (EDB)	9.339	107	4570	1.02	ug/L		96
54) 2-Hexanone	9.575	43	6792	2.64	ug/L		84
55) Chlorobenzene	9.852	112	13947	1.08	ug/L		83
56) Ethylbenzene	9.890	91	21774	1.14	ug/L		92
57) 1,1,1,2-Tetrachloroethane	9.916	131	3685	0.95	ug/L		85
58) m,p-Xylenes (2)	10.025	91	31329	2.26	ug/L		98
59) o-Xylene	10.407	91	17311	1.23	ug/L		98
60) Styrene	10.448	104	11776	1.00	ug/L		94
61) Bromoform	10.467	173	1590	1.16	ug/L		78
62) Isopropylbenzene	10.681	105	20059	1.11	ug/L		94
65) Bromobenzene	10.996	156	5237	1.06	ug/L		92
66) n-Propylbenzene	11.026	91	21740	1.28	ug/L		96
67) 1,1,2,2-Tetrachloroethane	11.071	83	5181	1.34	ug/L		94
68) 2-Chlorotoluene	11.142	126	4334	1.07	ug/L		93
69) 1,3,5-Trimethylbenzene	11.183	105	14833	1.22	ug/L		94
70) 1,2,3-Trichloropropane	11.179	110	1981	1.25	ug/L		95
71) t-1,4-Dichloro-2-butene	11.217	88	468	0.88	ug/L	#	63
72) 4-Chlorotoluene	11.281	91	13728	1.33	ug/L		90
73) tert-Butylbenzene	11.438	91	9082	1.41	ug/L		86
74) 1,2,4-Trimethylbenzene	11.491	105	15663	1.25	ug/L		98
75) sec-Butylbenzene	11.577	105	17750	1.20	ug/L		97
76) 4-Isopropyltoluene	11.686	119	14544	1.10	ug/L		96
77) 1,3-Dichlorobenzene	11.742	146	8502	1.02	ug/L		97
78) 1,4-Dichlorobenzene	11.809	146	8683	1.02	ug/L		83
79) n-Butylbenzene	12.004	91	13205	1.30	ug/L		96
80) 1,2-Dichlorobenzene	12.124	146	7913	1.01	ug/L		97
81) 1,2-Dibromo-3-Chloropr...	12.739	157	1029	1.31	ug/L		78
82) Hexachlorobutadiene	13.267	223	852	0.70	ug/L	#	75
83) 1,2,4-Trichlorobenzene	13.294	180	4635	0.86	ug/L		82
84) Naphthalene	13.567	128	16462	1.06	ug/L		98
85) 1,2,3-Trichlorobenzene	13.732	180	4239	0.82	ug/L		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111411.D
Acq On : 14 Nov 2020 08:15 pm
Operator : TNL
Sample : 0K14006-CAL4
Misc : 1X 5mL DI+MeOH 1 PPB
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 15 15:30:35 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111412.D
Acq On : 14 Nov 2020 08:42 pm
Operator : TNL
Sample : 0K14006-CAL5
Misc : 1X 5mL DI+MeOH 2 PPB
ALS Vial : 7 Sample Multiplier: 1

11/15/20 TNL

Quant Time: Nov 15 15:32:38 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.126	99	283201	50.00	ug/L		0.00
43) Chlorobenzene-d5 (I)	9.838	117	798480	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.794	152	346780	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.632	111	253629	43.35	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.689	114	905760	42.14	ug/L		0.00
45) Toluene-d8 (S)	8.214	98	962250	51.85	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.910	174	266297	44.78	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.699	85	7842	2.13	ug/L		93
3) Chloromethane	1.906	50	8774	2.08	ug/L		96
4) Vinyl Chloride	1.995	62	4531	1.99	ug/L		96
5) Bromomethane	2.355	96	5303	2.66	ug/L		99
6) Chloroethane	2.505	64	1890	3.06	ug/L	#	1
7) Trichlorofluoromethane	2.652	101	2752	2.32	ug/L		78
8) Ethanol	3.420	45	3327	42.15	ug/L		90
9) 1,1-Dichloroethene	3.180	61	6632	1.68	ug/L		90
10) Carbon Disulfide	3.203	76	11914	1.19	ug/L		93
11) Freon 113	3.244	101	6012	1.67	ug/L		95
12) Iodomethane	3.330	142	1685	4.48	ug/L		82
13) Methylene Chloride	3.810	84	10942	2.38	ug/L		85
14) Acetone	3.900	43	7131	4.87	ug/L		98
15) t-1,2-Dichloroethene	3.982	61	11789	2.16	ug/L		88
16) n-Hexane	4.083	86	1656	1.81	ug/L	#	79
17) Methyl-tert-butyl-ether	4.136	73	29448	2.13	ug/L		93
18) tert-Butanol (TBA)	4.372	59	95098	134.61	ug/L	#	86
19) Diisopropyl ether (DIPE)	4.533	45	6136	0.54	ug/L		95
20) 1,1-Dichloroethane	4.616	63	15179	2.10	ug/L		92
21) Acrylonitrile	4.665	53	4146	2.20	ug/L		84
22) Ethyl-tert-butyl ether...	4.908	59	7029	0.58	ug/L		92
23) c-1,2-Dichloroethene	5.167	61	12027	2.16	ug/L		97
24) 2,2-Dichloropropane	5.272	77	10585	1.95	ug/L		89
25) Bromochloromethane	5.365	49	6597	2.22	ug/L		88
26) Chloroform	5.455	83	16104	2.10	ug/L		88
27) Carbon Tetrachloride	5.598	117	9790	1.83	ug/L		94
28) Tetrahydrofuran	5.628	42	1867	1.14	ug/L		89
29) 1,1,1-Trichloroethane	5.665	97	14382	2.09	ug/L		96
31) 1,1-Dichloropropene	5.793	75	12918	2.22	ug/L		96
32) 2-Butanone (MEK)	5.778	43	9374	4.11	ug/L		93
33) Benzene	6.044	78	37704	1.91	ug/L		98
34) tert-Amyl methyl ether...	6.183	73	6736	0.51	ug/L		94
35) 1,2-Dichloroethane (EDC)	6.246	62	12721	2.39	ug/L		97
36) iso-Butyl Alcohol	6.374	43	14109	53.65	ug/L		91
38) Trichloroethene (TCE)	6.666	130	11305	1.65	ug/L		92
39) tert-Amyl ethyl ether ...	6.940	59	4692	0.53	ug/L		95
40) Dibromomethane	7.101	93	6193	1.96	ug/L		97
41) 1,2-Dichloropropane	7.210	63	9238	2.11	ug/L		99

Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111412.D
Acq On : 14 Nov 2020 08:42 pm
Operator : TNL
Sample : 0K14006-CAL5
Misc : 1X 5mL DI+MeOH 2 PPB
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 15 15:32:38 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration

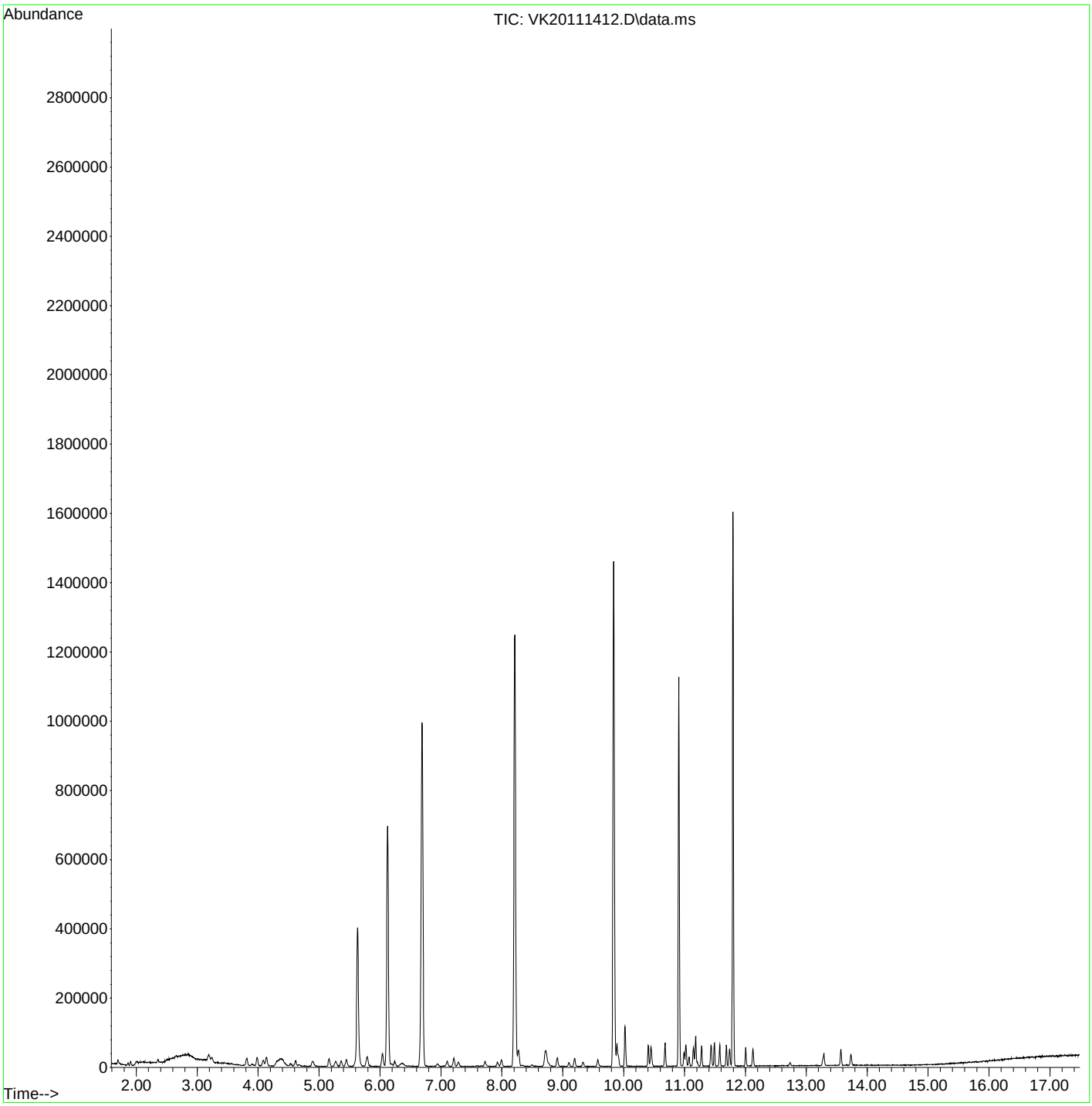
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) Bromodichloromethane	7.289	83	9538	1.85	ug/L		96
44) c-1,3-Dichloropropene	7.997	75	11768	2.10	ug/L		88
46) Toluene	8.271	91	39661	2.13	ug/L		95
47) Tetrachloroethene (PCE)	8.721	166	9350	1.59	ug/L		84
48) 4-Methyl-2-Pentanone (...	8.709	43	18614	5.17	ug/L		91
49) t-1,3-Dichloropropene	8.739	75	10286	2.18	ug/L		94
50) 1,1,2-Trichloroethane	8.912	97	8794	2.12	ug/L		92
51) Dibromochloromethane	9.103	129	6287	1.75	ug/L		95
52) 1,3-Dichloropropane	9.197	76	15375	2.38	ug/L		92
53) 1,2-Dibromoethane (EDB)	9.335	107	8710	1.97	ug/L		92
54) 2-Hexanone	9.575	43	12656	4.99	ug/L		97
55) Chlorobenzene	9.856	112	26256	2.06	ug/L		96
56) Ethylbenzene	9.886	91	43132	2.29	ug/L		99
57) 1,1,1,2-Tetrachloroethane	9.916	131	6801	1.77	ug/L		91
58) m,p-Xylenes (2)	10.025	91	61725	4.52	ug/L		94
59) o-Xylene	10.407	91	32547	2.34	ug/L		93
60) Styrene	10.452	104	24210	2.08	ug/L		92
61) Bromoform	10.464	173	3219	1.67	ug/L		80
62) Isopropylbenzene	10.681	105	39165	2.20	ug/L		98
65) Bromobenzene	10.996	156	9966	2.05	ug/L		93
66) n-Propylbenzene	11.026	91	41718	2.48	ug/L		97
67) 1,1,2,2-Tetrachloroethane	11.071	83	10282	2.70	ug/L		98
68) 2-Chlorotoluene	11.150	126	8817	2.21	ug/L		96
69) 1,3,5-Trimethylbenzene	11.183	105	29757	2.47	ug/L		94
70) 1,2,3-Trichloropropane	11.180	110	3744	2.40	ug/L		92
71) t-1,4-Dichloro-2-butene	11.210	88	915	1.75	ug/L	#	73
72) 4-Chlorotoluene	11.281	91	26424	2.59	ug/L		99
73) tert-Butylbenzene	11.435	91	17325	2.73	ug/L		85
74) 1,2,4-Trimethylbenzene	11.491	105	30059	2.43	ug/L		98
75) sec-Butylbenzene	11.577	105	34624	2.36	ug/L		96
76) 4-Isopropyltoluene	11.686	119	30012	2.30	ug/L		92
77) 1,3-Dichlorobenzene	11.738	146	17064	2.08	ug/L		87
78) 1,4-Dichlorobenzene	11.809	146	15989	1.90	ug/L		94
79) n-Butylbenzene	12.004	91	24433	2.43	ug/L		97
80) 1,2-Dichlorobenzene	12.124	146	16199	2.09	ug/L		97
81) 1,2-Dibromo-3-Chloropr...	12.735	157	2039	2.07	ug/L	#	74
82) Hexachlorobutadiene	13.268	223	1781	1.49	ug/L		79
83) 1,2,4-Trichlorobenzene	13.290	180	9297	1.75	ug/L		89
84) Naphthalene	13.568	128	34131	2.23	ug/L		97
85) 1,2,3-Trichlorobenzene	13.732	180	8782	1.72	ug/L		91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111412.D
Acq On : 14 Nov 2020 08:42 pm
Operator : TNL
Sample : 0K14006-CAL5
Misc : 1X 5mL DI+MeOH 2 PPB
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 15 15:32:38 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111412.D
Acq On : 14 Nov 2020 08:42 pm
Operator : TNL
Sample : 0K14006-CAL5
Misc : 1X 5mL DI+MeOH 2 PPB
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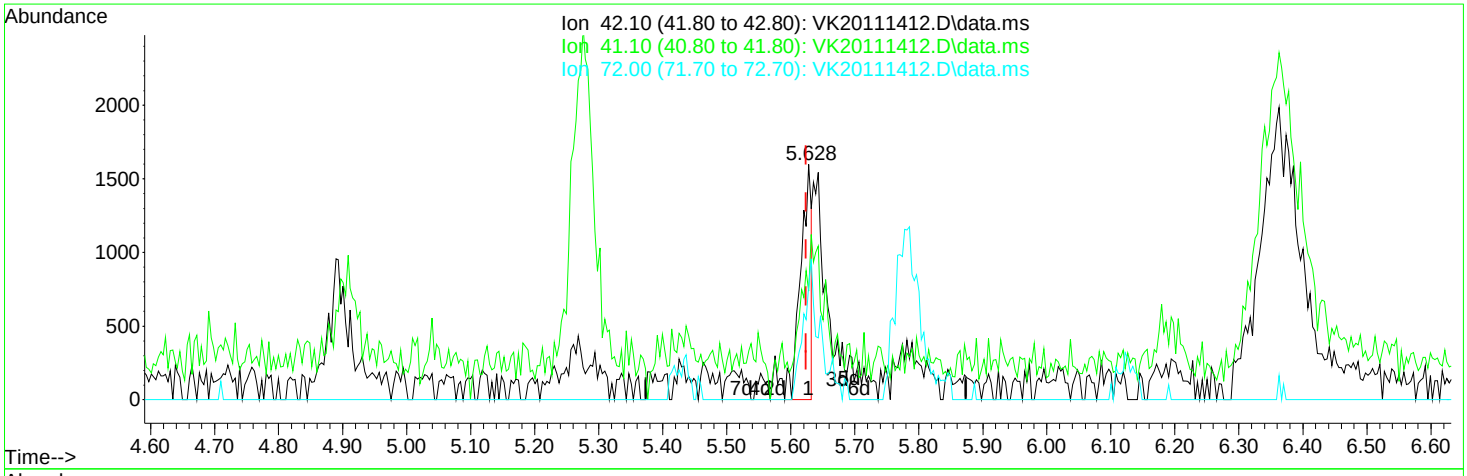
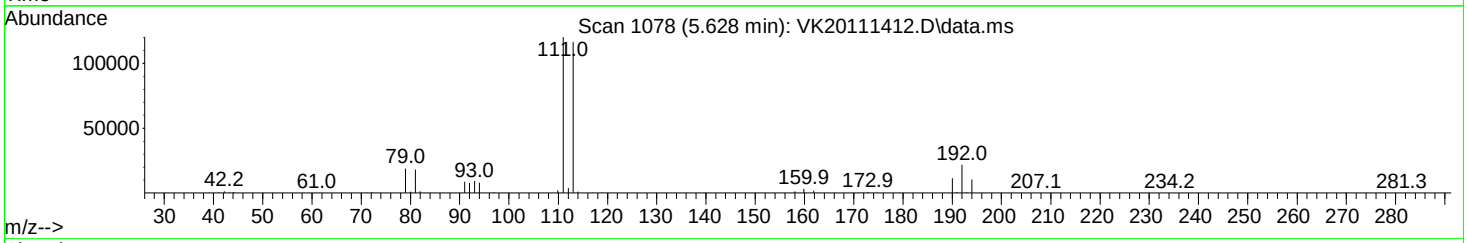
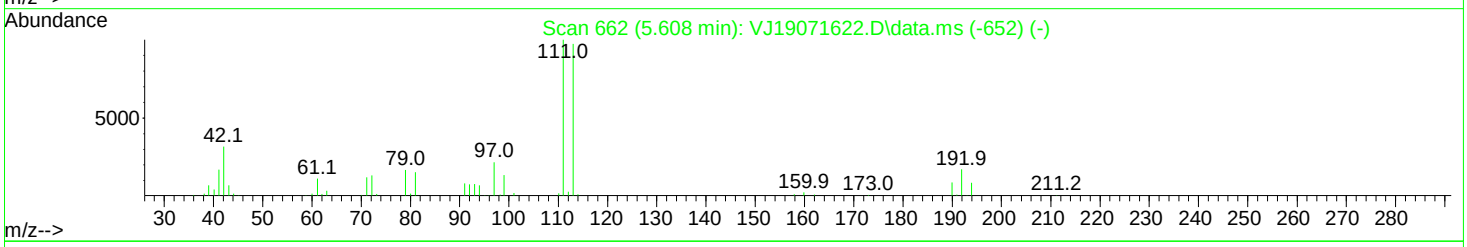
Quant Time: Nov 15 15:32:38 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration







TIC: VK20111412.D\data.ms

(28) Tetrahydrofuran

5.628min (+ 0.004) 1.14 ug/L

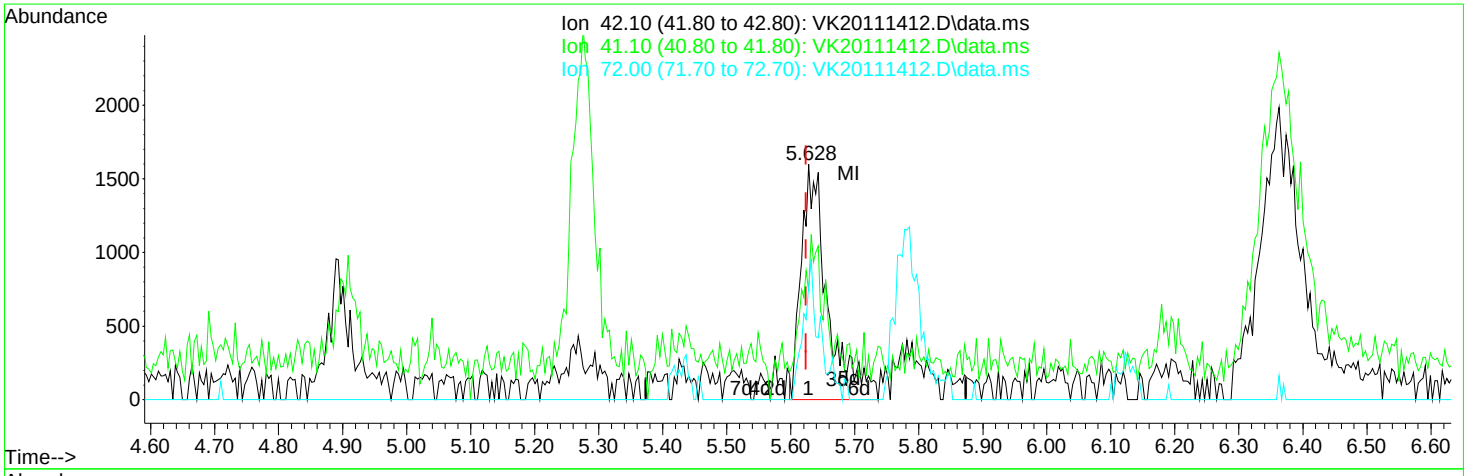
response 1867

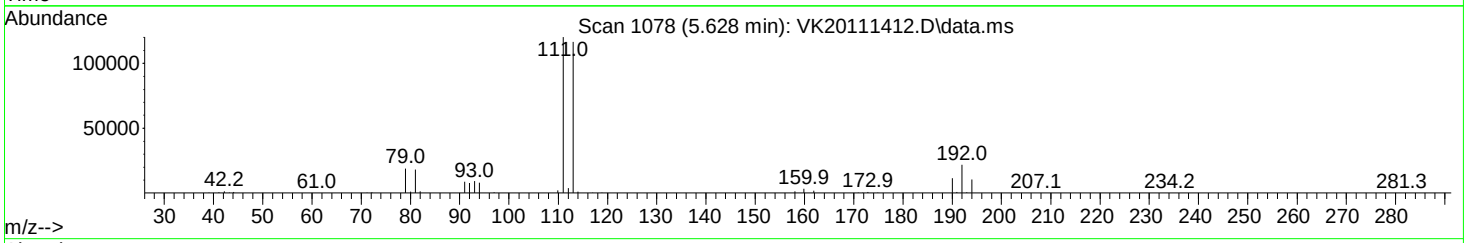
Ion	Exp%	Act%
42.10	100.00	100.00
41.10	52.70	46.12
72.00	40.40	48.37
0.00	0.00	0.00

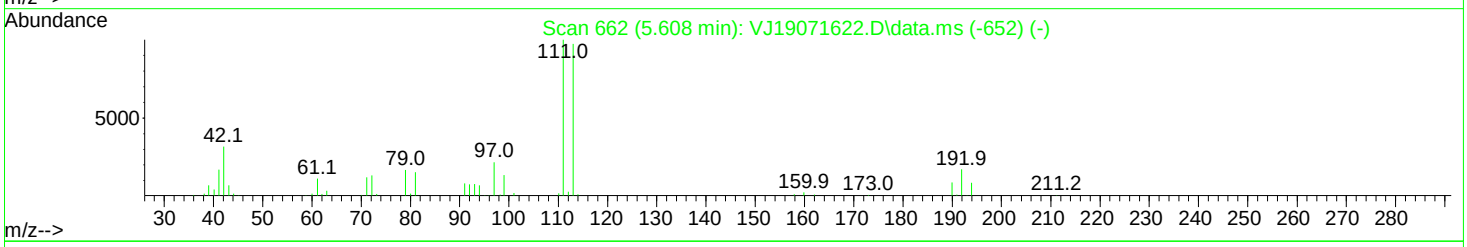
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111412.D
Acq On : 14 Nov 2020 08:42 pm
Operator : TNL
Sample : 0K14006-CAL5
Misc : 1X 5mL DI+MeOH 2 PPB
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 15 15:32:38 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration







TIC: VK20111412.D\data.ms

(28) Tetrahydrofuran

5.628min (+ 0.004) 2.77 ug/L m

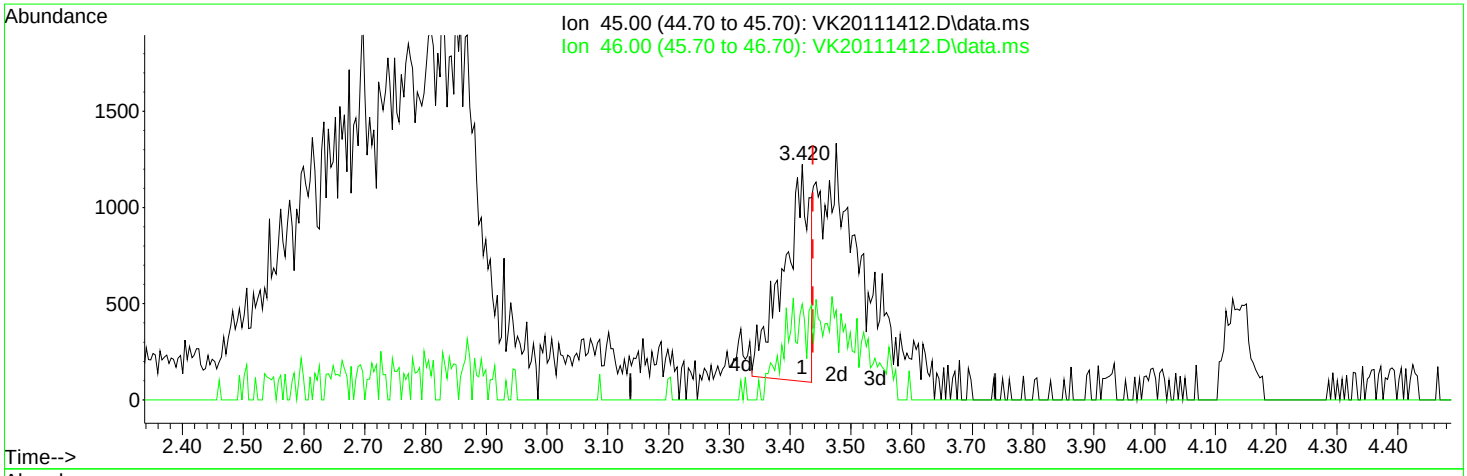
response 4560

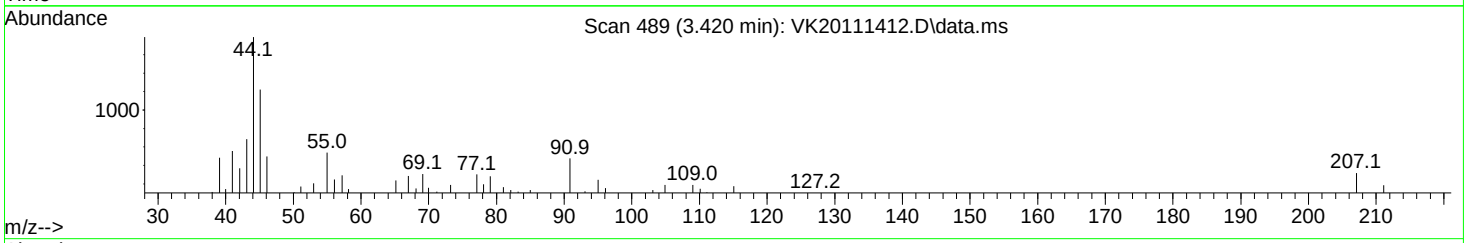
Ion	Exp%	Act%
42.10	100.00	100.00
41.10	52.70	46.12
72.00	40.40	48.37
0.00	0.00	0.00

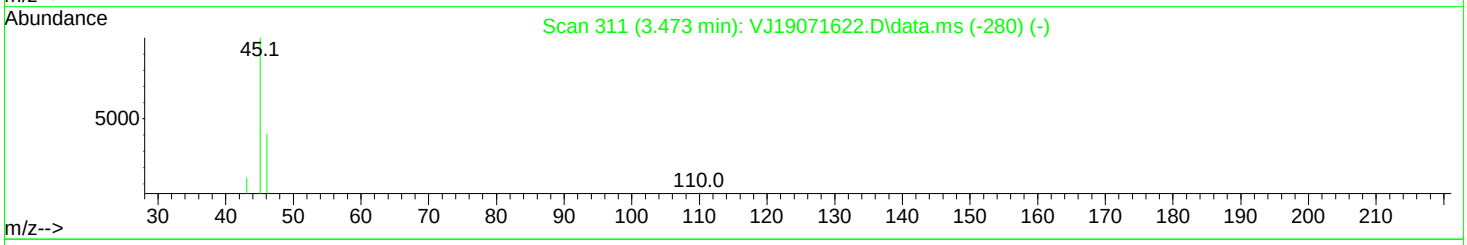
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111412.D
Acq On : 14 Nov 2020 08:42 pm
Operator : TNL
Sample : 0K14006-CAL5
Misc : 1X 5mL DI+MeOH 2 PPB
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 15 15:34:38 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration







TIC: VK20111412.D\data.ms

(8) Ethanol

3.420min (-0.018) 42.15 ug/L

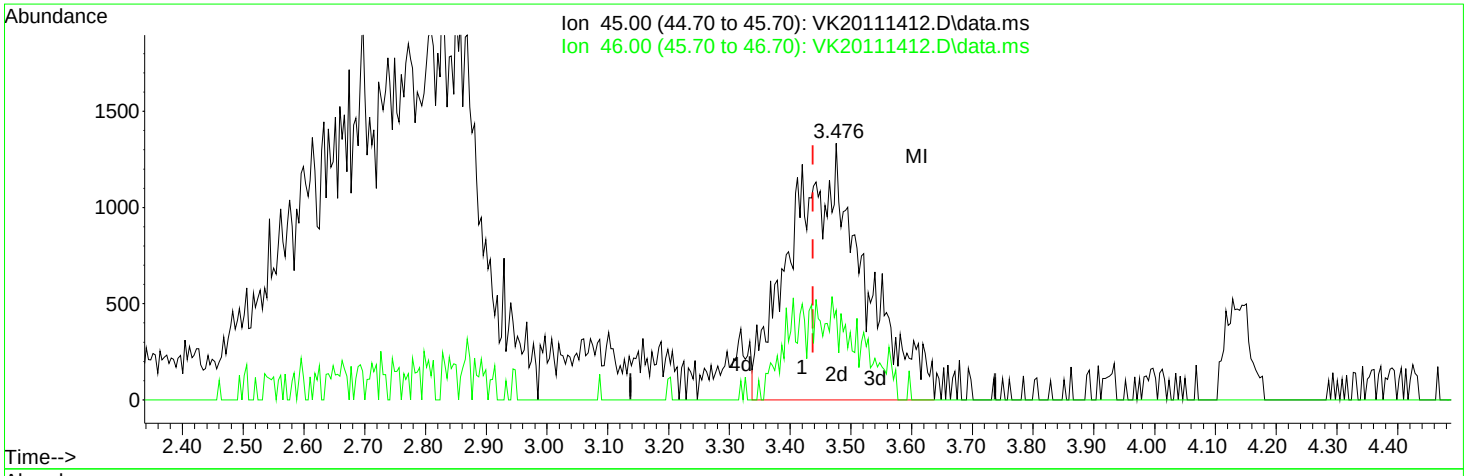
response 3327

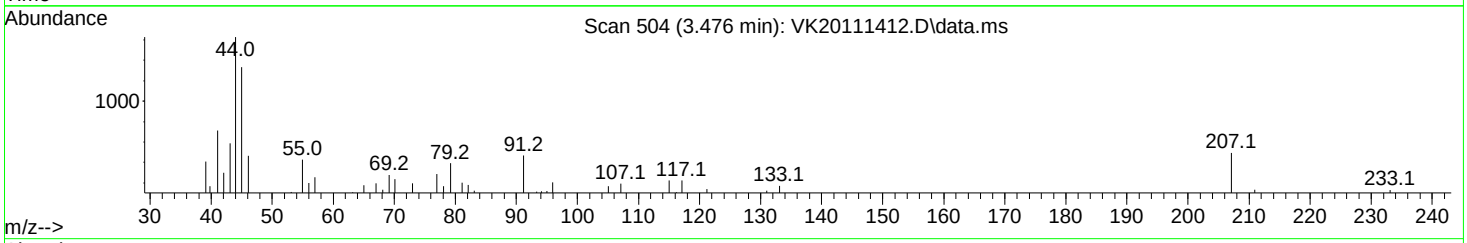
Ion	Exp%	Act%
45.00	100.00	100.00
46.00	47.50	40.69
0.00	0.00	0.00
0.00	0.00	0.00

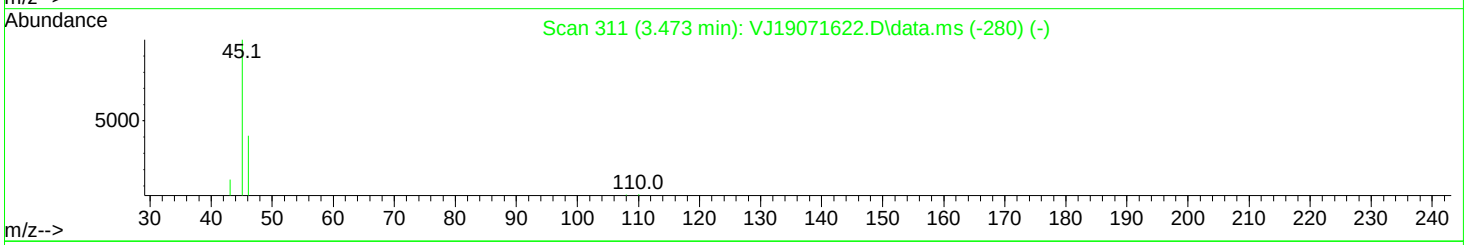
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111412.D
Acq On : 14 Nov 2020 08:42 pm
Operator : TNL
Sample : 0K14006-CAL5
Misc : 1X 5mL DI+MeOH 2 PPB
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 15 15:34:38 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration







TIC: VK20111412.D\data.ms

(8) Ethanol

3.476min (+ 0.038) 140.82 ug/L m

response 11115

Ion	Exp%	Act%
45.00	100.00	100.00
46.00	47.50	34.91
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111412.D
Acq On : 14 Nov 2020 08:42 pm
Operator : TNL
Sample : 0K14006-CAL5
Misc : 1X 5mL DI+MeOH 2 PPB
ALS Vial : 7 Sample Multiplier: 1

11/15/20 TNL

Quant Time: Nov 15 15:34:38 2020
Quant Method : C:\GCMS\1\methods\~~VK201115S.M~~
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.126	99	283201	50.00	ug/L		0.00
43) Chlorobenzene-d5 (I)	9.838	117	798480	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.794	152	346780	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.632	111	253629	43.35	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.689	114	905760	42.14	ug/L		0.00
45) Toluene-d8 (S)	8.214	98	962250	51.85	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.910	174	266297	44.78	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.699	85	7842	2.13	ug/L		93
3) Chloromethane	1.906	50	8774	2.08	ug/L		96
4) Vinyl Chloride	1.995	62	4531	1.99	ug/L		96
5) Bromomethane	2.355	96	5303	2.66	ug/L		99
6) Chloroethane	2.505	64	1890	3.06	ug/L	#	1
7) Trichlorofluoromethane	2.652	101	2752	2.32	ug/L		78
8) Ethanol	3.476	45	11115m	140.82	ug/L		
9) 1,1-Dichloroethene	3.180	61	6632	1.68	ug/L		90
10) Carbon Disulfide	3.203	76	11914	1.19	ug/L		93
11) Freon 113	3.244	101	6012	1.67	ug/L		95
12) Iodomethane	3.330	142	1685	4.48	ug/L		82
13) Methylene Chloride	3.810	84	10942	2.38	ug/L		85
14) Acetone	3.900	43	7131	4.87	ug/L		98
15) t-1,2-Dichloroethene	3.982	61	11789	2.16	ug/L		88
16) n-Hexane	4.083	86	1656	1.81	ug/L	#	79
17) Methyl-tert-butyl-ether	4.136	73	29448	2.13	ug/L		93
18) tert-Butanol (TBA)	4.372	59	95098	134.61	ug/L	#	86
19) Diisopropyl ether (DIPE)	4.533	45	6136	0.54	ug/L		95
20) 1,1-Dichloroethane	4.616	63	15179	2.10	ug/L		92
21) Acrylonitrile	4.665	53	4146	2.20	ug/L		84
22) Ethyl-tert-butyl ether...	4.908	59	7029	0.58	ug/L		92
23) c-1,2-Dichloroethene	5.167	61	12027	2.16	ug/L		97
24) 2,2-Dichloropropane	5.272	77	10585	1.95	ug/L		89
25) Bromochloromethane	5.365	49	6597	2.22	ug/L		88
26) Chloroform	5.455	83	16104	2.10	ug/L		88
27) Carbon Tetrachloride	5.598	117	9790	1.83	ug/L		94
28) Tetrahydrofuran	5.628	42	1867	1.14	ug/L		89
29) 1,1,1-Trichloroethane	5.665	97	14382	2.09	ug/L		96
31) 1,1-Dichloropropene	5.793	75	12918	2.22	ug/L		96
32) 2-Butanone (MEK)	5.778	43	9374	4.11	ug/L		93
33) Benzene	6.044	78	37704	1.91	ug/L		98
34) tert-Amyl methyl ether...	6.183	73	6736	0.51	ug/L		94
35) 1,2-Dichloroethane (EDC)	6.246	62	12721	2.39	ug/L		97
36) iso-Butyl Alcohol	6.374	43	14109	53.65	ug/L		91
38) Trichloroethene (TCE)	6.666	130	11305	1.65	ug/L		92
39) tert-Amyl ethyl ether ...	6.940	59	4692	0.53	ug/L		95
40) Dibromomethane	7.101	93	6193	1.96	ug/L		97
41) 1,2-Dichloropropane	7.210	63	9238	2.11	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111412.D
Acq On : 14 Nov 2020 08:42 pm
Operator : TNL
Sample : 0K14006-CAL5
Misc : 1X 5mL DI+MeOH 2 PPB
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 15 15:34:38 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) Bromodichloromethane	7.289	83	9538	1.85	ug/L		96
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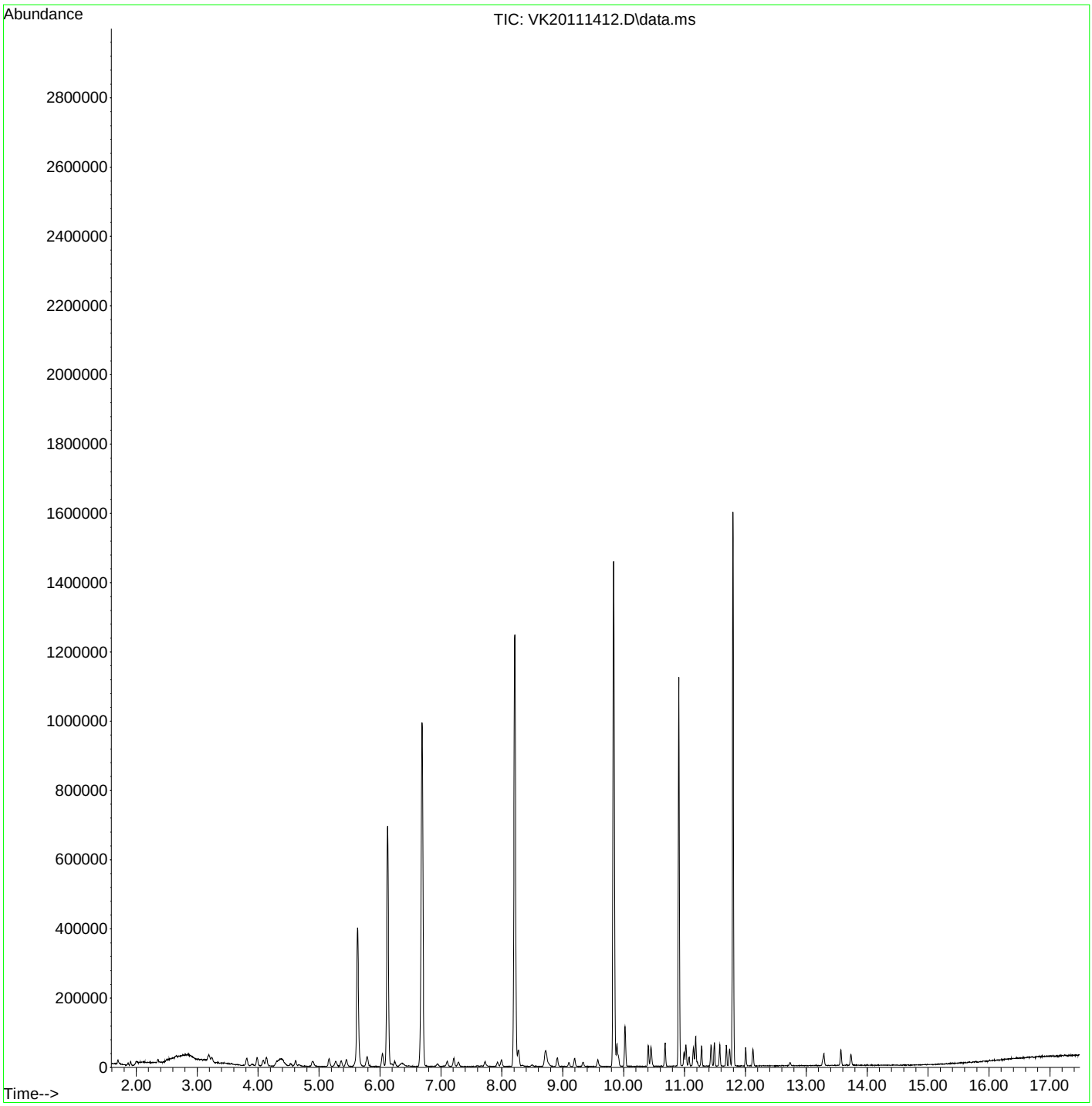
46) Toluene	8.271	91	39661	2.13	ug/L		95
47) Tetrachloroethene (PCE)	8.721	166	9350	1.59	ug/L		84
48) 4-Methyl-2-Pentanone (...	8.709	43	18614	5.17	ug/L		91
49) t-1,3-Dichloropropene	8.739	75	10286	2.18	ug/L		94
50) 1,1,2-Trichloroethane	8.912	97	8794	2.12	ug/L		92
51) Dibromochloromethane	9.103	129	6287	1.75	ug/L		95
52) 1,3-Dichloropropane	9.197	76	15375	2.38	ug/L		92
53) 1,2-Dibromoethane (EDB)	9.335	107	8710	1.97	ug/L		92
54) 2-Hexanone	9.575	43	12656	4.99	ug/L		97
55) Chlorobenzene	9.856	112	26256	2.06	ug/L		96
56) Ethylbenzene	9.886	91	43132	2.29	ug/L		99
57) 1,1,1,2-Tetrachloroethane	9.916	131	6801	1.77	ug/L		91
58) m,p-Xylenes (2)	10.025	91	61725	4.52	ug/L		94
59) o-Xylene	10.407	91	32547	2.34	ug/L		93
60) Styrene	10.452	104	24210	2.08	ug/L		92
61) Bromoform	10.464	173	3219	1.67	ug/L		80
62) Isopropylbenzene	10.681	105	39165	2.20	ug/L		98
65) Bromobenzene	10.996	156	9966	2.05	ug/L		93
66) n-Propylbenzene	11.026	91	41718	2.48	ug/L		97
67) 1,1,2,2-Tetrachloroethane	11.071	83	10282	2.70	ug/L		98
68) 2-Chlorotoluene	11.150	126	8817	2.21	ug/L		96
69) 1,3,5-Trimethylbenzene	11.183	105	29757	2.47	ug/L		94
70) 1,2,3-Trichloropropane	11.180	110	3744	2.40	ug/L		92
71) t-1,4-Dichloro-2-butene	11.210	88	915	1.75	ug/L	#	73
72) 4-Chlorotoluene	11.281	91	26424	2.59	ug/L		99
73) tert-Butylbenzene	11.435	91	17325	2.73	ug/L		85
74) 1,2,4-Trimethylbenzene	11.491	105	30059	2.43	ug/L		98
75) sec-Butylbenzene	11.577	105	34624	2.36	ug/L		96
76) 4-Isopropyltoluene	11.686	119	30012	2.30	ug/L		92
77) 1,3-Dichlorobenzene	11.738	146	17064	2.08	ug/L		87
78) 1,4-Dichlorobenzene	11.809	146	15989	1.90	ug/L		94
79) n-Butylbenzene	12.004	91	24433	2.43	ug/L		97
80) 1,2-Dichlorobenzene	12.124	146	16199	2.09	ug/L		97
81) 1,2-Dibromo-3-Chloropr...	12.735	157	2039	2.07	ug/L	#	74
82) Hexachlorobutadiene	13.268	223	1781	1.49	ug/L		79
83) 1,2,4-Trichlorobenzene	13.290	180	9297	1.75	ug/L		89
84) Naphthalene	13.568	128	34131	2.23	ug/L		97
85) 1,2,3-Trichlorobenzene	13.732	180	8782	1.72	ug/L		91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111412.D
Acq On : 14 Nov 2020 08:42 pm
Operator : TNL
Sample : 0K14006-CAL5
Misc : 1X 5mL DI+MeOH 2 PPB
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 15 15:34:38 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111413.D
Acq On : 14 Nov 2020 09:10 pm
Operator : TNL
Sample : 0K14006-CAL6
Misc : 1X 5mL DI+MeOH 5 PPB
ALS Vial : 8 Sample Multiplier: 1

11/15/20 TNL

Quant Time: Nov 15 15:34:45 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.127	99	292918	50.00	ug/L	#	0.00
43) Chlorobenzene-d5 (I)	9.838	117	812395	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.794	152	346827	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.635	111	261014	43.14	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.693	114	938902	42.23	ug/L		0.00
45) Toluene-d8 (S)	8.215	98	994361	52.66	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.906	174	269390	45.29	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.707	85	19807	5.20	ug/L		99
3) Chloromethane	1.917	50	20845	4.77	ug/L		99
4) Vinyl Chloride	2.003	62	10633	4.50	ug/L		96
5) Bromomethane	2.363	96	8703	4.23	ug/L		90
6) Chloroethane	2.509	64	4059	6.35	ug/L		68
7) Trichlorofluoromethane	2.659	101	6952	5.66	ug/L		92
8) Ethanol	3.454	45	8155	99.89	ug/L		78
9) 1,1-Dichloroethene	3.191	61	16531	3.95	ug/L		94
10) Carbon Disulfide	3.206	76	30062	4.59	ug/L		99
11) Freon 113	3.251	101	14395	3.86	ug/L		98
12) Iodomethane	3.338	142	3478	5.02	ug/L		78
13) Methylene Chloride	3.817	84	21245	4.46	ug/L		87
14) Acetone	3.907	43	17575	11.60	ug/L		86
15) t-1,2-Dichloroethene	3.986	61	30828	5.45	ug/L		96
16) n-Hexane	4.095	86	4282	4.52	ug/L	#	69
17) Methyl-tert-butyl-ether	4.144	73	72124	5.04	ug/L		91
18) tert-Butanol (TBA)	4.387	59	233074	318.98	ug/L	#	87
19) Diisopropyl ether (DIPE)	4.541	45	15731	1.33	ug/L		94
20) 1,1-Dichloroethane	4.620	63	38444	5.14	ug/L		96
21) Acrylonitrile	4.668	53	9490	4.86	ug/L		98
22) Ethyl-tert-butyl ether...	4.912	59	17349	1.38	ug/L		84
23) c-1,2-Dichloroethene	5.167	61	29124	5.05	ug/L		94
24) 2,2-Dichloropropane	5.283	77	24967	4.45	ug/L		89
25) Bromochloromethane	5.366	49	16391	5.34	ug/L		89
26) Chloroform	5.456	83	40970	5.18	ug/L		97
27) Carbon Tetrachloride	5.598	117	24846	4.49	ug/L		98
28) Tetrahydrofuran	5.635	42	9083	5.34	ug/L		96
29) 1,1,1-Trichloroethane	5.665	97	35799	5.02	ug/L		96
31) 1,1-Dichloropropene	5.789	75	31256	5.18	ug/L		97
32) 2-Butanone (MEK)	5.774	43	28196	9.84	ug/L		97
33) Benzene	6.044	78	94943	4.66	ug/L		99
34) tert-Amyl methyl ether...	6.190	73	17793	1.31	ug/L		94
35) 1,2-Dichloroethane (EDC)	6.247	62	31790	5.78	ug/L		98
36) iso-Butyl Alcohol	6.378	43	32741	120.36	ug/L		95
38) Trichloroethene (TCE)	6.663	130	28156	3.98	ug/L		97
39) tert-Amyl ethyl ether ...	6.944	59	11894	1.29	ug/L		93
40) Dibromomethane	7.101	93	15305	4.69	ug/L		92
41) 1,2-Dichloropropane	7.214	63	23040	5.08	ug/L		92

Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111413.D
Acq On : 14 Nov 2020 09:10 pm
Operator : TNL
Sample : 0K14006-CAL6
Misc : 1X 5mL DI+MeOH 5 PPB
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 15 15:34:45 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration

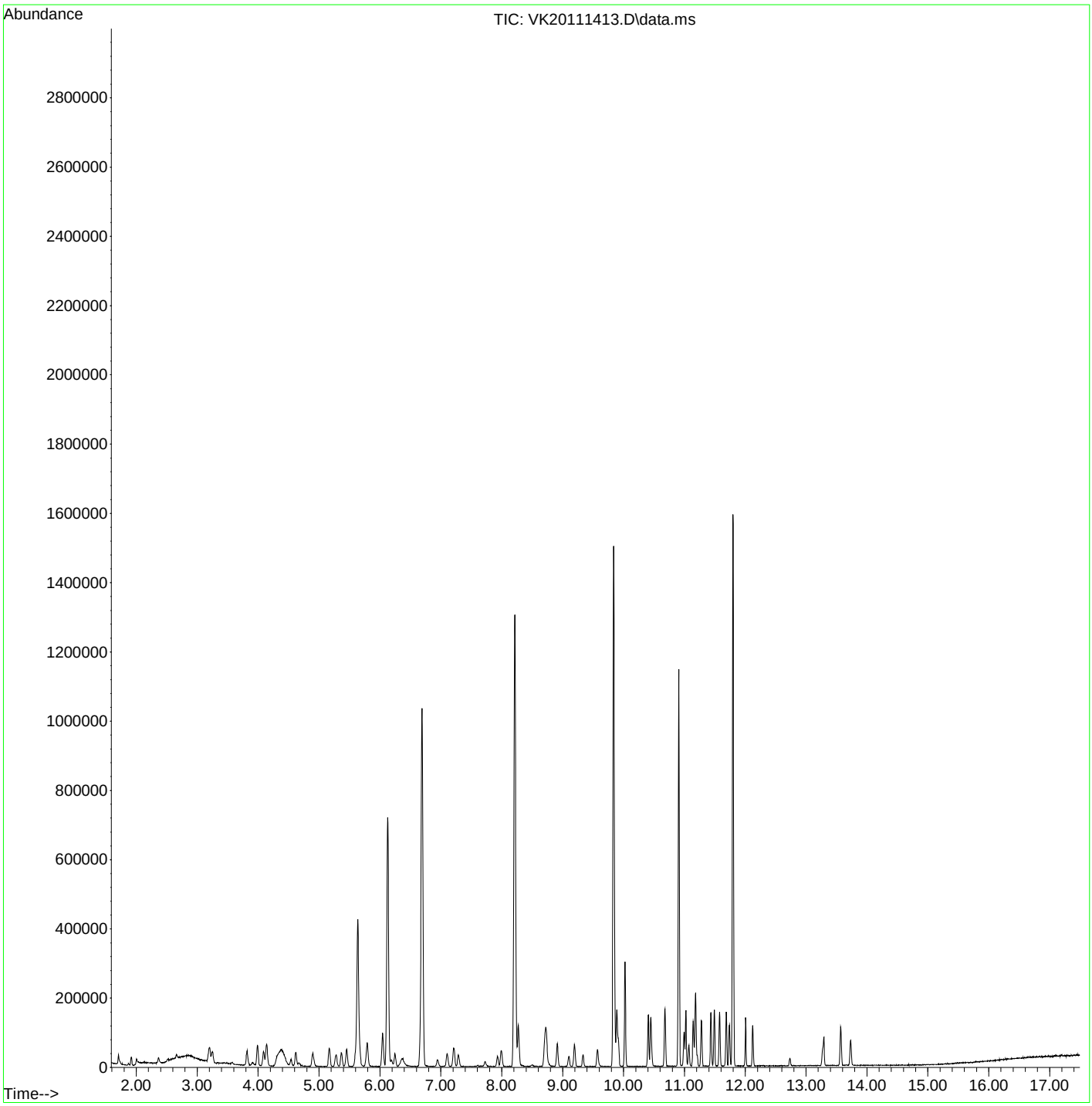
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) Bromodichloromethane	7.292	83	23858	4.46	ug/L		94
44) c-1,3-Dichloropropene	7.993	75	30708	5.40	ug/L		93
46) Toluene	8.274	91	100526	5.32	ug/L		98
47) Tetrachloroethene (PCE)	8.721	166	24201	4.04	ug/L		91
48) 4-Methyl-2-Pentanone (...	8.706	43	45971	12.54	ug/L		94
49) t-1,3-Dichloropropene	8.743	75	27017	5.64	ug/L		98
50) 1,1,2-Trichloroethane	8.912	97	22279	5.28	ug/L		94
51) Dibromochloromethane	9.107	129	16494	4.51	ug/L		94
52) 1,3-Dichloropropane	9.193	76	39315	5.99	ug/L		93
53) 1,2-Dibromoethane (EDB)	9.335	107	23085	5.12	ug/L		93
54) 2-Hexanone	9.575	43	33147	12.85	ug/L		94
55) Chlorobenzene	9.856	112	65725	5.08	ug/L		97
56) Ethylbenzene	9.890	91	105507	5.50	ug/L		99
57) 1,1,1,2-Tetrachloroethane	9.920	131	17850	4.57	ug/L		98
58) m,p-Xylenes (2)	10.025	91	156989	11.29	ug/L		99
59) o-Xylene	10.404	91	77602	5.47	ug/L		97
60) Styrene	10.449	104	61011	5.15	ug/L		96
61) Bromoform	10.464	173	8062	3.14	ug/L		87
62) Isopropylbenzene	10.681	105	97647	5.40	ug/L		97
65) Bromobenzene	10.996	156	24728	5.09	ug/L		95
66) n-Propylbenzene	11.026	91	106323	6.32	ug/L		98
67) 1,1,2,2-Tetrachloroethane	11.075	83	24083	6.31	ug/L		95
68) 2-Chlorotoluene	11.150	126	22745	5.69	ug/L		91
69) 1,3,5-Trimethylbenzene	11.183	105	73340	6.09	ug/L		97
70) 1,2,3-Trichloropropane	11.180	110	9455	6.06	ug/L	#	85
71) t-1,4-Dichloro-2-butene	11.213	88	2607	4.97	ug/L	#	81
72) 4-Chlorotoluene	11.277	91	64836	6.36	ug/L		93
73) tert-Butylbenzene	11.438	91	43473	6.84	ug/L		98
74) 1,2,4-Trimethylbenzene	11.491	105	74747	6.03	ug/L		98
75) sec-Butylbenzene	11.577	105	87965	6.00	ug/L		97
76) 4-Isopropyltoluene	11.686	119	74639	5.71	ug/L		97
77) 1,3-Dichlorobenzene	11.742	146	41352	5.03	ug/L		97
78) 1,4-Dichlorobenzene	11.806	146	41302	4.90	ug/L		92
79) n-Butylbenzene	12.004	91	61041	6.08	ug/L		97
80) 1,2-Dichlorobenzene	12.124	146	38431	4.96	ug/L		97
81) 1,2-Dibromo-3-Chloropr...	12.735	157	5037	4.29	ug/L		87
82) Hexachlorobutadiene	13.264	223	4487	3.76	ug/L		86
83) 1,2,4-Trichlorobenzene	13.290	180	22065	4.14	ug/L		93
84) Naphthalene	13.564	128	81257	5.30	ug/L		97
85) 1,2,3-Trichlorobenzene	13.733	180	21641	4.24	ug/L		90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111413.D
Acq On : 14 Nov 2020 09:10 pm
Operator : TNL
Sample : 0K14006-CAL6
Misc : 1X 5mL DI+MeOH 5 PPB
ALS Vial : 8 Sample Multiplier: 1

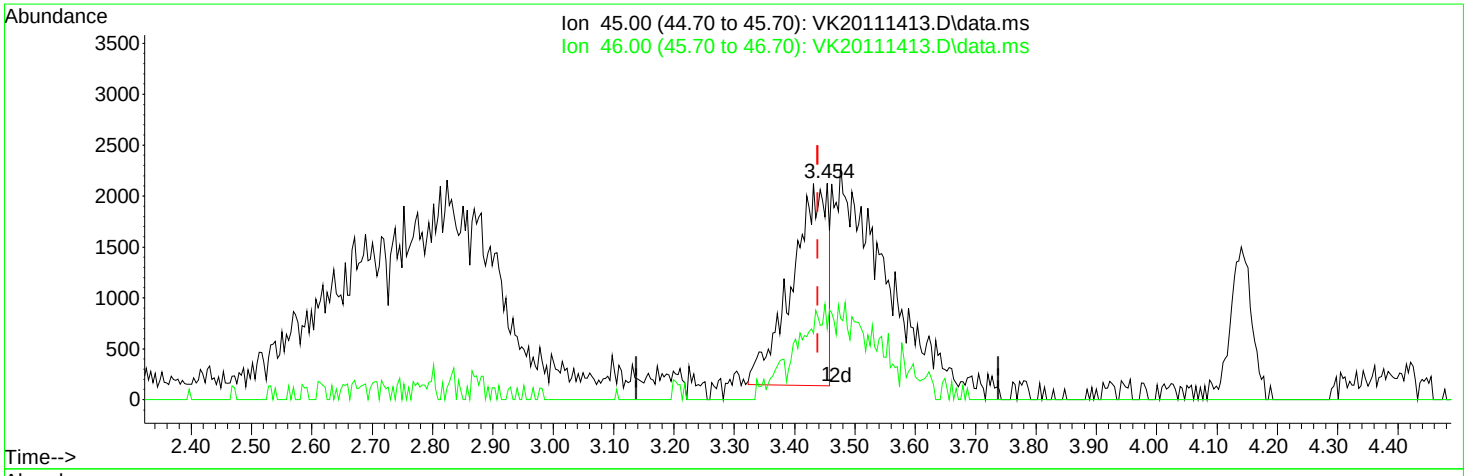
Quant Time: Nov 15 15:34:45 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration

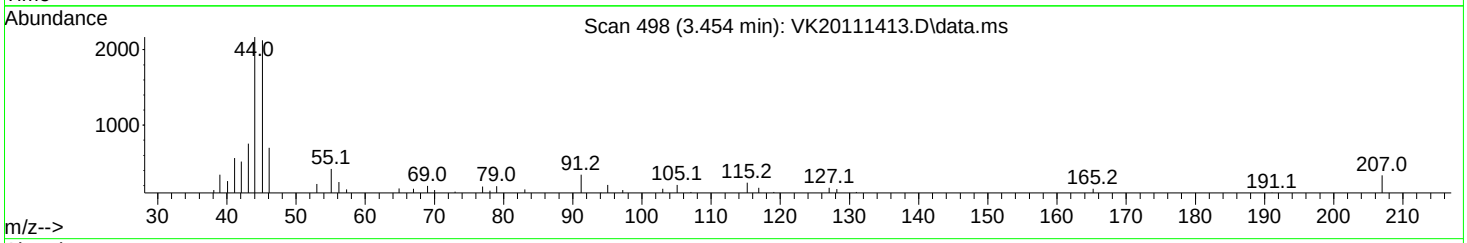


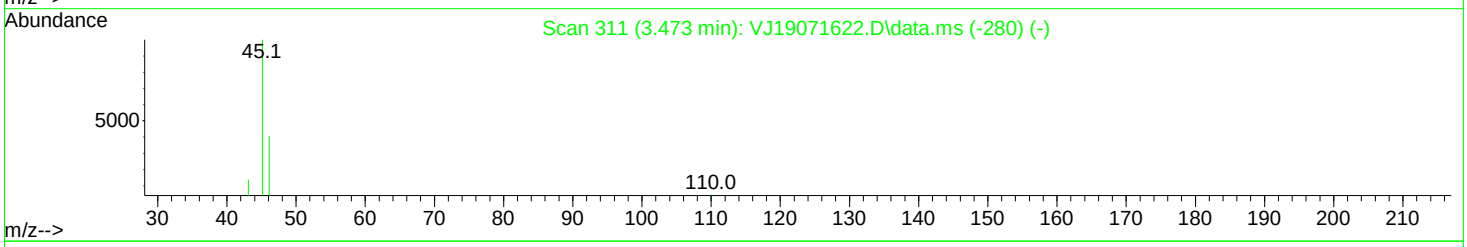
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111413.D
Acq On : 14 Nov 2020 09:10 pm
Operator : TNL
Sample : 0K14006-CAL6
Misc : 1X 5mL DI+MeOH 5 PPB
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 15 15:34:45 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration







TIC: VK20111413.D\data.ms

(8) Ethanol

3.454min (+ 0.016) 99.89 ug/L

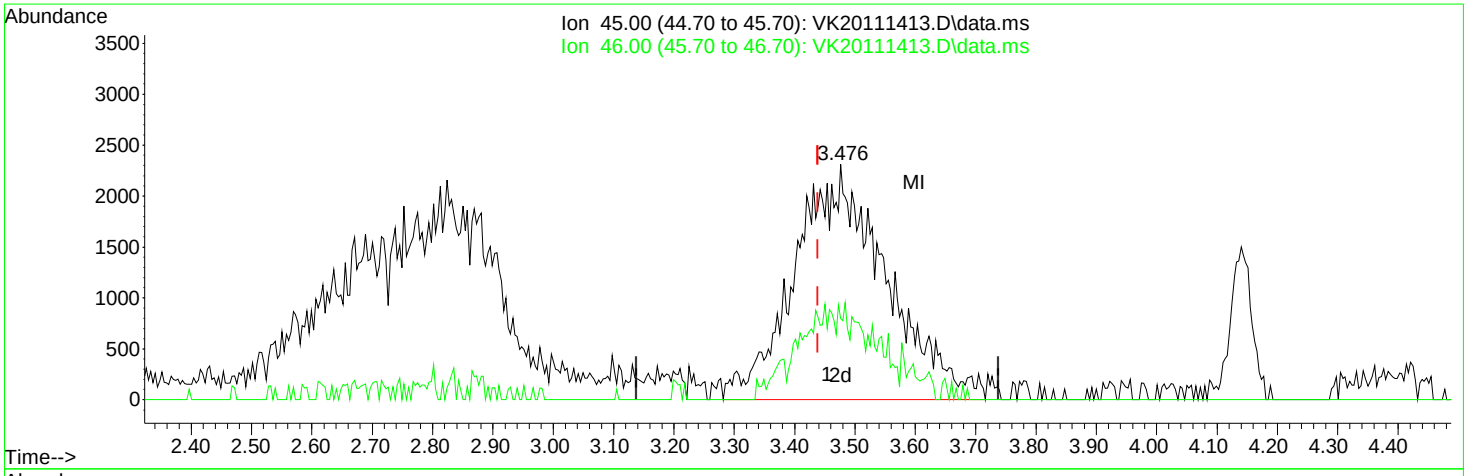
response 8155

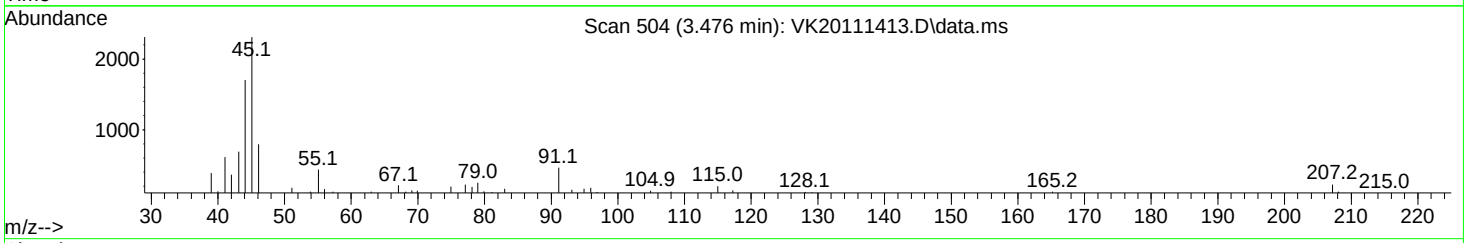
Ion	Exp%	Act%
45.00	100.00	100.00
46.00	47.50	32.85
0.00	0.00	0.00
0.00	0.00	0.00

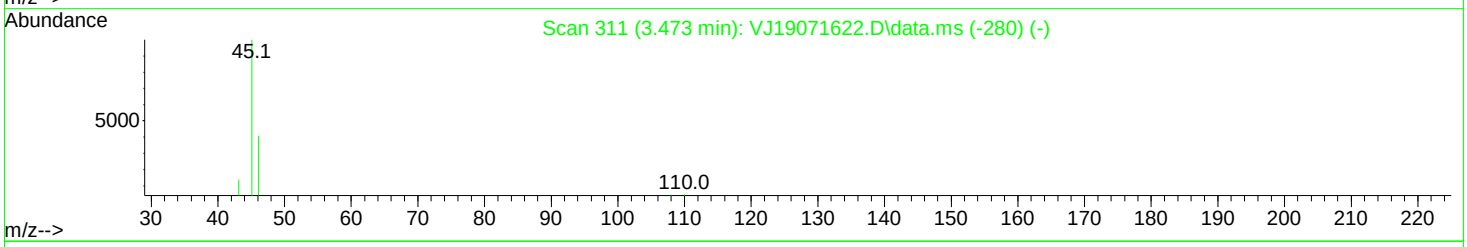
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111413.D
Acq On : 14 Nov 2020 09:10 pm
Operator : TNL
Sample : 0K14006-CAL6
Misc : 1X 5mL DI+MeOH 5 PPB
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 15 15:34:45 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration







TIC: VK20111413.D\data.ms

(8) Ethanol

3.476min (+ 0.038) 296.41 ug/L m

response 24199

Ion	Exp%	Act%
45.00	100.00	100.00
46.00	47.50	34.50
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111413.D
Acq On : 14 Nov 2020 09:10 pm
Operator : TNL
Sample : 0K14006-CAL6
Misc : 1X 5mL DI+MeOH 5 PPB
ALS Vial : 8 Sample Multiplier: 1

11/15/20 TNL

Quant Time: Nov 15 15:34:45 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.127	99	292918	50.00	ug/L	#	0.00
43) Chlorobenzene-d5 (I)	9.838	117	812395	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.794	152	346827	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.635	111	261014	43.14	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.693	114	938902	42.23	ug/L		0.00
45) Toluene-d8 (S)	8.215	98	994361	52.66	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.906	174	269390	45.29	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.707	85	19807	5.20	ug/L		99
3) Chloromethane	1.917	50	20845	4.77	ug/L		99
4) Vinyl Chloride	2.003	62	10633	4.50	ug/L		96
5) Bromomethane	2.363	96	8703	4.23	ug/L		90
6) Chloroethane	2.509	64	4059	6.35	ug/L		68
7) Trichlorofluoromethane	2.659	101	6952	5.66	ug/L		92
8) Ethanol	3.476	45	24199m	296.41	ug/L		
9) 1,1-Dichloroethene	3.191	61	16531	3.95	ug/L		94
10) Carbon Disulfide	3.206	76	30062	4.59	ug/L		99
11) Freon 113	3.251	101	14395	3.86	ug/L		98
12) Iodomethane	3.338	142	3478	5.02	ug/L		78
13) Methylene Chloride	3.817	84	21245	4.46	ug/L		87
14) Acetone	3.907	43	17575	11.60	ug/L		86
15) t-1,2-Dichloroethene	3.986	61	30828	5.45	ug/L		96
16) n-Hexane	4.095	86	4282	4.52	ug/L	#	69
17) Methyl-tert-butyl-ether	4.144	73	72124	5.04	ug/L		91
18) tert-Butanol (TBA)	4.387	59	233074	318.98	ug/L	#	87
19) Diisopropyl ether (DIPE)	4.541	45	15731	1.33	ug/L		94
20) 1,1-Dichloroethane	4.620	63	38444	5.14	ug/L		96
21) Acrylonitrile	4.668	53	9490	4.86	ug/L		98
22) Ethyl-tert-butyl ether...	4.912	59	17349	1.38	ug/L		84
23) c-1,2-Dichloroethene	5.167	61	29124	5.05	ug/L		94
24) 2,2-Dichloropropane	5.283	77	24967	4.45	ug/L		89
25) Bromochloromethane	5.366	49	16391	5.34	ug/L		89
26) Chloroform	5.456	83	40970	5.18	ug/L		97
27) Carbon Tetrachloride	5.598	117	24846	4.49	ug/L		98
28) Tetrahydrofuran	5.635	42	9083	5.34	ug/L		96
29) 1,1,1-Trichloroethane	5.665	97	35799	5.02	ug/L		96
31) 1,1-Dichloropropene	5.789	75	31256	5.18	ug/L		97
32) 2-Butanone (MEK)	5.774	43	23196	9.84	ug/L		97
33) Benzene	6.044	78	94943	4.66	ug/L		99
34) tert-Amyl methyl ether...	6.190	73	17793	1.31	ug/L		94
35) 1,2-Dichloroethane (EDC)	6.247	62	31790	5.78	ug/L		98
36) iso-Butyl Alcohol	6.378	43	32741	120.36	ug/L		95
38) Trichloroethene (TCE)	6.663	130	28156	3.98	ug/L		97
39) tert-Amyl ethyl ether ...	6.944	59	11894	1.29	ug/L		93
40) Dibromomethane	7.101	93	15305	4.69	ug/L		92
41) 1,2-Dichloropropane	7.214	63	23040	5.08	ug/L		92

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111413.D
Acq On : 14 Nov 2020 09:10 pm
Operator : TNL
Sample : 0K14006-CAL6
Misc : 1X 5mL DI+MeOH 5 PPB
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 15 15:34:45 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration

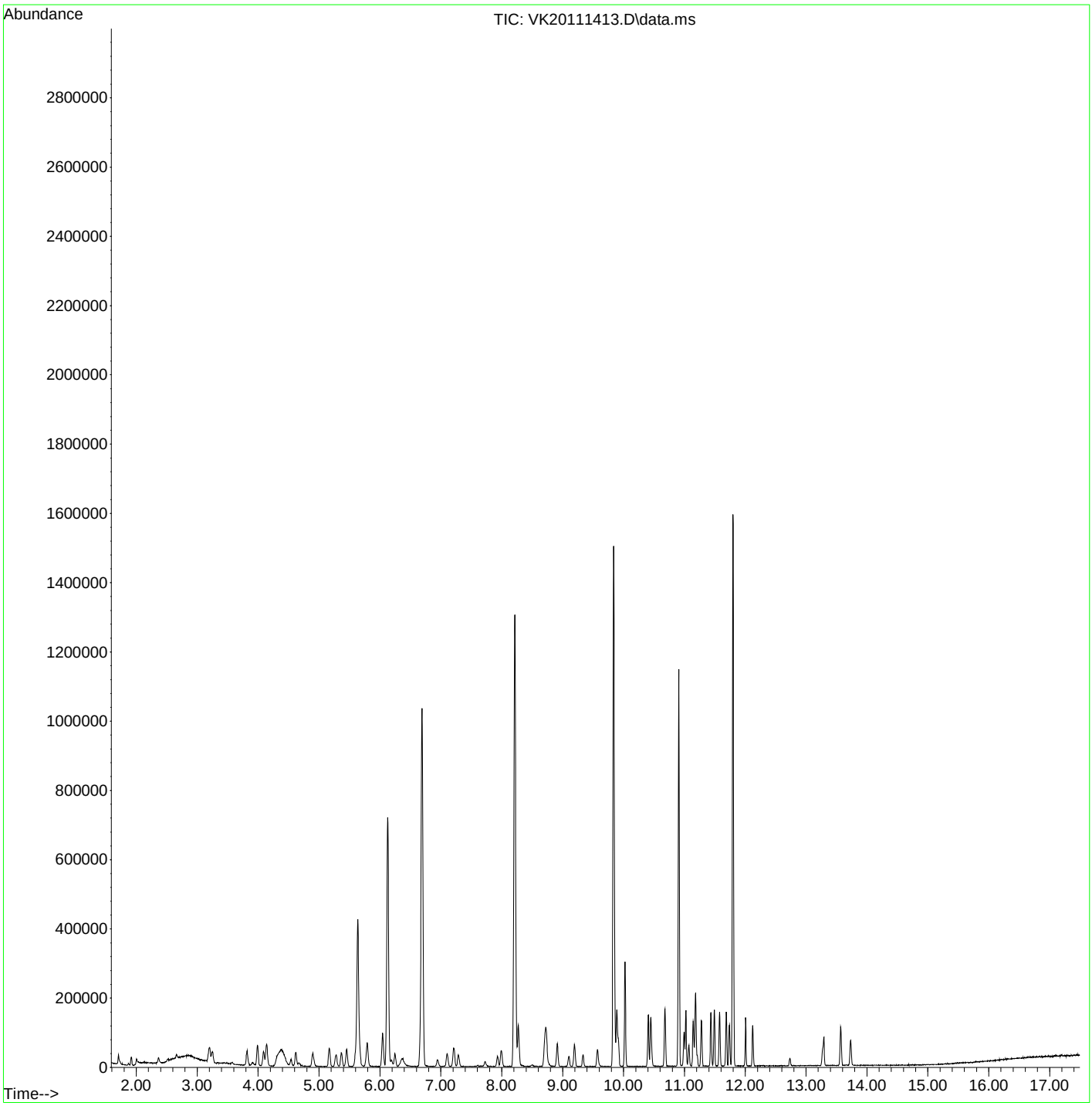
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) Bromodichloromethane	7.292	83	23858	4.46	ug/L		94
44) c-1,3-Dichloropropene	7.993	75	30708	5.40	ug/L		93
46) Toluene	8.274	91	100526	5.32	ug/L		98
47) Tetrachloroethene (PCE)	8.721	166	24201	4.04	ug/L		91
48) 4-Methyl-2-Pentanone (...	8.706	43	45971	12.54	ug/L		94
49) t-1,3-Dichloropropene	8.743	75	27017	5.64	ug/L		98
50) 1,1,2-Trichloroethane	8.912	97	22279	5.28	ug/L		94
51) Dibromochloromethane	9.107	129	16494	4.51	ug/L		94
52) 1,3-Dichloropropane	9.193	76	39315	5.99	ug/L		93
53) 1,2-Dibromoethane (EDB)	9.335	107	23085	5.12	ug/L		93
54) 2-Hexanone	9.575	43	33147	12.85	ug/L		94
55) Chlorobenzene	9.856	112	65725	5.08	ug/L		97
56) Ethylbenzene	9.890	91	105507	5.50	ug/L		99
57) 1,1,1,2-Tetrachloroethane	9.920	131	17850	4.57	ug/L		98
58) m,p-Xylenes (2)	10.025	91	156989	11.29	ug/L		99
59) o-Xylene	10.404	91	77602	5.47	ug/L		97
60) Styrene	10.449	104	61011	5.15	ug/L		96
61) Bromoform	10.464	173	8062	3.14	ug/L		87
62) Isopropylbenzene	10.681	105	97647	5.40	ug/L		97
65) Bromobenzene	10.996	156	24728	5.09	ug/L		95
66) n-Propylbenzene	11.026	91	106323	6.32	ug/L		98
67) 1,1,2,2-Tetrachloroethane	11.075	83	24083	6.31	ug/L		95
68) 2-Chlorotoluene	11.150	126	22745	5.69	ug/L		91
69) 1,3,5-Trimethylbenzene	11.183	105	73340	6.09	ug/L		97
70) 1,2,3-Trichloropropane	11.180	110	9455	6.06	ug/L	#	85
71) t-1,4-Dichloro-2-butene	11.213	88	2607	4.97	ug/L	#	81
72) 4-Chlorotoluene	11.277	91	64836	6.36	ug/L		93
73) tert-Butylbenzene	11.438	91	43473	6.84	ug/L		98
74) 1,2,4-Trimethylbenzene	11.491	105	74747	6.03	ug/L		98
75) sec-Butylbenzene	11.577	105	87965	6.00	ug/L		97
76) 4-Isopropyltoluene	11.686	119	74639	5.71	ug/L		97
77) 1,3-Dichlorobenzene	11.742	146	41352	5.03	ug/L		97
78) 1,4-Dichlorobenzene	11.806	146	41302	4.90	ug/L		92
79) n-Butylbenzene	12.004	91	61041	6.08	ug/L		97
80) 1,2-Dichlorobenzene	12.124	146	38431	4.96	ug/L		97
81) 1,2-Dibromo-3-Chloropr...	12.735	157	5037	4.29	ug/L		87
82) Hexachlorobutadiene	13.264	223	4487	3.76	ug/L		86
83) 1,2,4-Trichlorobenzene	13.290	180	22065	4.14	ug/L		93
84) Naphthalene	13.564	128	81257	5.30	ug/L		97
85) 1,2,3-Trichlorobenzene	13.733	180	21641	4.24	ug/L		90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111413.D
Acq On : 14 Nov 2020 09:10 pm
Operator : TNL
Sample : 0K14006-CAL6
Misc : 1X 5mL DI+MeOH 5 PPB
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 15 15:34:45 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111414.D
Acq On : 14 Nov 2020 09:37 pm
Operator : TNL
Sample : 0K14006-CAL7
Misc : 1X 5mL DI+MeOH 10 PPB
ALS Vial : 9 Sample Multiplier: 1

11/15/20 TNL

Quant Time: Nov 15 15:38:33 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.126	99	294527	50.00	ug/L	#	0.00
43) Chlorobenzene-d5 (I)	9.838	117	810017	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.798	152	339152	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.635	111	265104	43.57	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.692	114	932977	41.73	ug/L		0.00
45) Toluene-d8 (S)	8.214	98	990303	52.60	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.906	174	267524	45.99	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.703	85	39034	10.20	ug/L		97
3) Chloromethane	1.913	50	41340	9.41	ug/L		99
4) Vinyl Chloride	1.999	62	20631	8.69	ug/L		96
5) Bromomethane	2.359	96	15397	7.44	ug/L		94
6) Chloroethane	2.509	64	8002	12.45	ug/L		77
7) Trichlorofluoromethane	2.659	101	13429	10.87	ug/L		98
8) Ethanol	3.469	45	40769	496.65	ug/L		78
9) 1,1-Dichloroethene	3.184	61	33639	7.96	ug/L		97
10) Carbon Disulfide	3.206	76	62002	9.84	ug/L		98
11) Freon 113	3.244	101	28538	7.61	ug/L		92
12) Iodomethane	3.337	142	8544	6.57	ug/L		87
13) Methylene Chloride	3.813	84	39586	8.27	ug/L		87
14) Acetone	3.900	43	31175	20.47	ug/L		91
15) t-1,2-Dichloroethene	3.986	61	59704	10.50	ug/L		90
16) n-Hexane	4.083	86	8634	9.07	ug/L	#	75
17) Methyl-tert-butyl-ether	4.140	73	143761	10.00	ug/L		91
18) tert-Butanol (TBA)	4.394	59	461315	627.89	ug/L	#	82
19) Diisopropyl ether (DIPE)	4.541	45	31469	2.64	ug/L		90
20) 1,1-Dichloroethane	4.616	63	76572	10.18	ug/L		99
21) Acrylonitrile	4.664	53	19059	9.71	ug/L		99
22) Ethyl-tert-butyl ether...	4.912	59	32511	2.58	ug/L		97
23) c-1,2-Dichloroethene	5.170	61	58459	10.09	ug/L		89
24) 2,2-Dichloropropane	5.275	77	48621	8.62	ug/L		90
25) Bromochloromethane	5.365	49	33074	10.71	ug/L		81
26) Chloroform	5.452	83	80599	10.13	ug/L		97
27) Carbon Tetrachloride	5.598	117	50275	9.04	ug/L		98
28) Tetrahydrofuran	5.635	42	17254	10.09	ug/L		95
29) 1,1,1-Trichloroethane	5.662	97	69989	9.77	ug/L		95
31) 1,1-Dichloropropene	5.793	75	61357	10.12	ug/L		98
32) 2-Butanone (MEK)	5.774	43	47007	19.82	ug/L		98
33) Benzene	6.048	78	184190	8.99	ug/L		96
34) tert-Amyl methyl ether...	6.194	73	33517	2.45	ug/L		91
35) 1,2-Dichloroethane (EDC)	6.246	62	61505	11.12	ug/L		95
36) iso-Butyl Alcohol	6.363	43	64021	234.07	ug/L		96
38) Trichloroethene (TCE)	6.670	130	55606	7.81	ug/L		97
39) tert-Amyl ethyl ether ...	6.947	59	23677	2.56	ug/L		97
40) Dibromomethane	7.105	93	30373	9.25	ug/L		89
41) 1,2-Dichloropropane	7.213	63	45184	9.91	ug/L		96

Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111414.D
Acq On : 14 Nov 2020 09:37 pm
Operator : TNL
Sample : 0K14006-CAL7
Misc : 1X 5mL DI+MeOH 10 PPB
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 15 15:38:33 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration

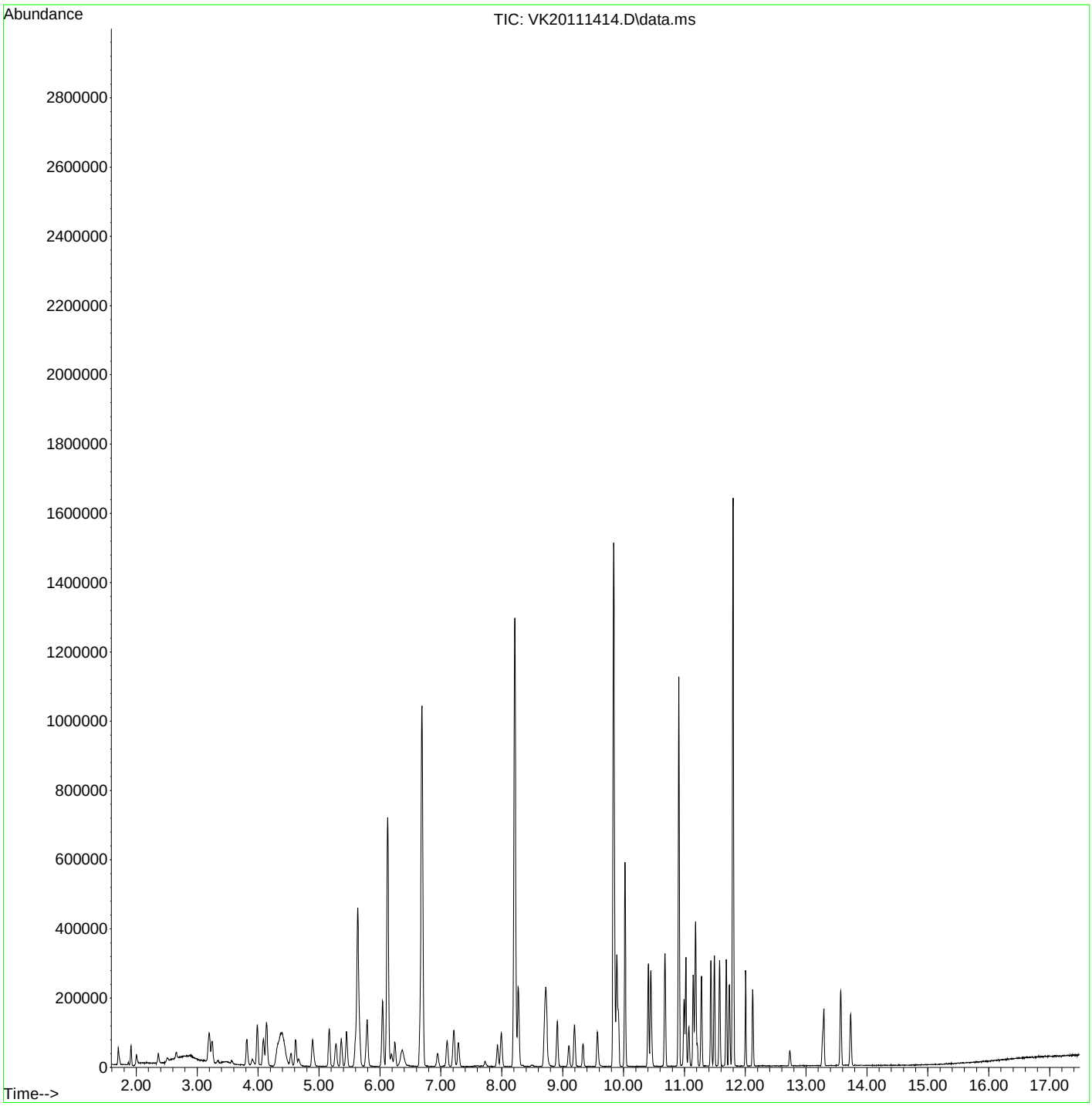
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) Bromodichloromethane	7.292	83	49635	9.24	ug/L		100
44) c-1,3-Dichloropropene	7.993	75	63245	11.15	ug/L		97
46) Toluene	8.271	91	196992	10.45	ug/L		99
47) Tetrachloroethene (PCE)	8.724	166	46702	7.81	ug/L		89
48) 4-Methyl-2-Pentanone (...	8.709	43	91290	24.98	ug/L		94
49) t-1,3-Dichloropropene	8.743	75	56194	11.76	ug/L		95
50) 1,1,2-Trichloroethane	8.912	97	44338	10.54	ug/L		95
51) Dibromochloromethane	9.103	129	33807	9.26	ug/L		98
52) 1,3-Dichloropropane	9.197	76	76597	11.71	ug/L		91
53) 1,2-Dibromoethane (EDB)	9.339	107	45967	10.23	ug/L		96
54) 2-Hexanone	9.571	43	64344	25.01	ug/L		96
55) Chlorobenzene	9.856	112	127988	9.92	ug/L		99
56) Ethylbenzene	9.890	91	210018	10.99	ug/L		99
57) 1,1,1,2-Tetrachloroethane	9.920	131	37074	9.52	ug/L		97
58) m,p-Xylenes (2)	10.025	91	309029	22.29	ug/L		97
59) o-Xylene	10.407	91	156950	11.10	ug/L		97
60) Styrene	10.452	104	119590	10.12	ug/L		95
61) Bromoform	10.467	173	17519	6.04	ug/L		93
62) Isopropylbenzene	10.681	105	193515	10.73	ug/L		100
65) Bromobenzene	10.992	156	47329	9.96	ug/L		90
66) n-Propylbenzene	11.026	91	209972	12.77	ug/L		98
67) 1,1,2,2-Tetrachloroethane	11.075	83	46662	12.51	ug/L		99
68) 2-Chlorotoluene	11.146	126	44256	11.32	ug/L		97
69) 1,3,5-Trimethylbenzene	11.183	105	144130	12.24	ug/L		98
70) 1,2,3-Trichloropropane	11.180	110	18246	11.96	ug/L		96
71) t-1,4-Dichloro-2-butene	11.213	88	5560	10.85	ug/L	#	76
72) 4-Chlorotoluene	11.281	91	127975	12.84	ug/L		97
73) tert-Butylbenzene	11.438	91	85271	13.73	ug/L		87
74) 1,2,4-Trimethylbenzene	11.491	105	146576	12.09	ug/L		98
75) sec-Butylbenzene	11.577	105	172207	12.02	ug/L		98
76) 4-Isopropyltoluene	11.686	119	145802	11.41	ug/L		97
77) 1,3-Dichlorobenzene	11.742	146	80062	9.96	ug/L		93
78) 1,4-Dichlorobenzene	11.809	146	77980	9.46	ug/L		95
79) n-Butylbenzene	12.004	91	119298	12.15	ug/L		97
80) 1,2-Dichlorobenzene	12.124	146	73818	9.74	ug/L		98
81) 1,2-Dibromo-3-Chloropr...	12.731	157	10058	8.16	ug/L		81
82) Hexachlorobutadiene	13.268	223	8731	7.48	ug/L		84
83) 1,2,4-Trichlorobenzene	13.290	180	43853	8.42	ug/L		93
84) Naphthalene	13.567	128	162112	10.81	ug/L		97
85) 1,2,3-Trichlorobenzene	13.729	180	42616	8.54	ug/L		93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111414.D
Acq On : 14 Nov 2020 09:37 pm
Operator : TNL
Sample : 0K14006-CAL7
Misc : 1X 5mL DI+MeOH 10 PPB
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 15 15:38:33 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111414.D
Acq On : 14 Nov 2020 09:37 pm
Operator : TNL
Sample : 0K14006-CAL7
Misc : 1X 5mL DI+MeOH 10 PPB
ALS Vial : 9 Sample Multiplier: 1

11/15/20 TNL

Quant Time: Nov 15 15:38:33 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.126	99	294527	50.00	ug/L		# 0.00
43) Chlorobenzene-d5 (I)	9.838	117	810017	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.798	152	339152	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.635	111	265104	43.57	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.692	114	932977	41.73	ug/L		0.00
45) Toluene-d8 (S)	8.214	98	990303	52.60	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.906	174	267524	45.99	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.703	85	39034	10.20	ug/L		97
3) Chloromethane	1.913	50	41340	9.41	ug/L		99
4) Vinyl Chloride	1.999	62	20631	8.69	ug/L		96
5) Bromomethane	2.359	96	15397	7.44	ug/L		94
6) Chloroethane	2.509	64	8002	12.45	ug/L		77
7) Trichlorofluoromethane	2.659	101	13429	10.87	ug/L		98
8) Ethanol	3.469	45	40769	496.65	ug/L		78
9) 1,1-Dichloroethene	3.184	61	33639	7.96	ug/L		97
10) Carbon Disulfide	3.206	76	62002	9.84	ug/L		98
11) Freon 113	3.244	101	28538	7.61	ug/L		92
12) Iodomethane	3.337	142	8544	6.57	ug/L		87
13) Methylene Chloride	3.813	84	39586	8.27	ug/L		87
14) Acetone	3.900	43	31175	20.47	ug/L		91
15) t-1,2-Dichloroethene	3.986	61	59704	10.50	ug/L		90
16) n-Hexane	4.083	86	8634	9.07	ug/L	#	75
17) Methyl-tert-butyl-ether	4.140	73	143761	10.00	ug/L		91
18) tert-Butanol (TBA)	4.394	59	461315	627.89	ug/L	#	82
19) Diisopropyl ether (DIPE)	4.541	45	31469	2.64	ug/L		90
20) 1,1-Dichloroethane	4.616	63	76572	10.18	ug/L		99
21) Acrylonitrile	4.664	53	19059	9.71	ug/L		99
22) Ethyl-tert-butyl ether...	4.912	59	32511	2.58	ug/L		97
23) c-1,2-Dichloroethene	5.170	61	58459	10.09	ug/L		89
24) 2,2-Dichloropropane	5.275	77	48621	8.62	ug/L		90
25) Bromochloromethane	5.365	49	33074	10.71	ug/L		81
26) Chloroform	5.452	83	80599	10.13	ug/L		97
27) Carbon Tetrachloride	5.598	117	50275	9.04	ug/L		98
28) Tetrahydrofuran	5.635	42	17254	10.09	ug/L		95
29) 1,1,1-Trichloroethane	5.662	97	69989	9.77	ug/L		95
31) 1,1-Dichloropropene	5.793	75	61357	10.12	ug/L		98
32) 2-Butanone (MEK)	5.774	43	47007	19.82	ug/L		98
33) Benzene	6.048	78	184190	8.99	ug/L		96
34) tert-Amyl methyl ether...	6.194	73	33517	2.45	ug/L		91
35) 1,2-Dichloroethane (EDC)	6.246	62	61505	11.12	ug/L		95
36) iso-Butyl Alcohol	6.363	43	64021	234.07	ug/L		96
38) Trichloroethene (TCE)	6.670	130	55606	7.81	ug/L		97
39) tert-Amyl ethyl ether ...	6.947	59	23677	2.56	ug/L		97
40) Dibromomethane	7.105	93	30373	9.25	ug/L		89
41) 1,2-Dichloropropane	7.213	63	45184	9.91	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111414.D
Acq On : 14 Nov 2020 09:37 pm
Operator : TNL
Sample : 0K14006-CAL7
Misc : 1X 5mL DI+MeOH 10 PPB
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 15 15:38:33 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration

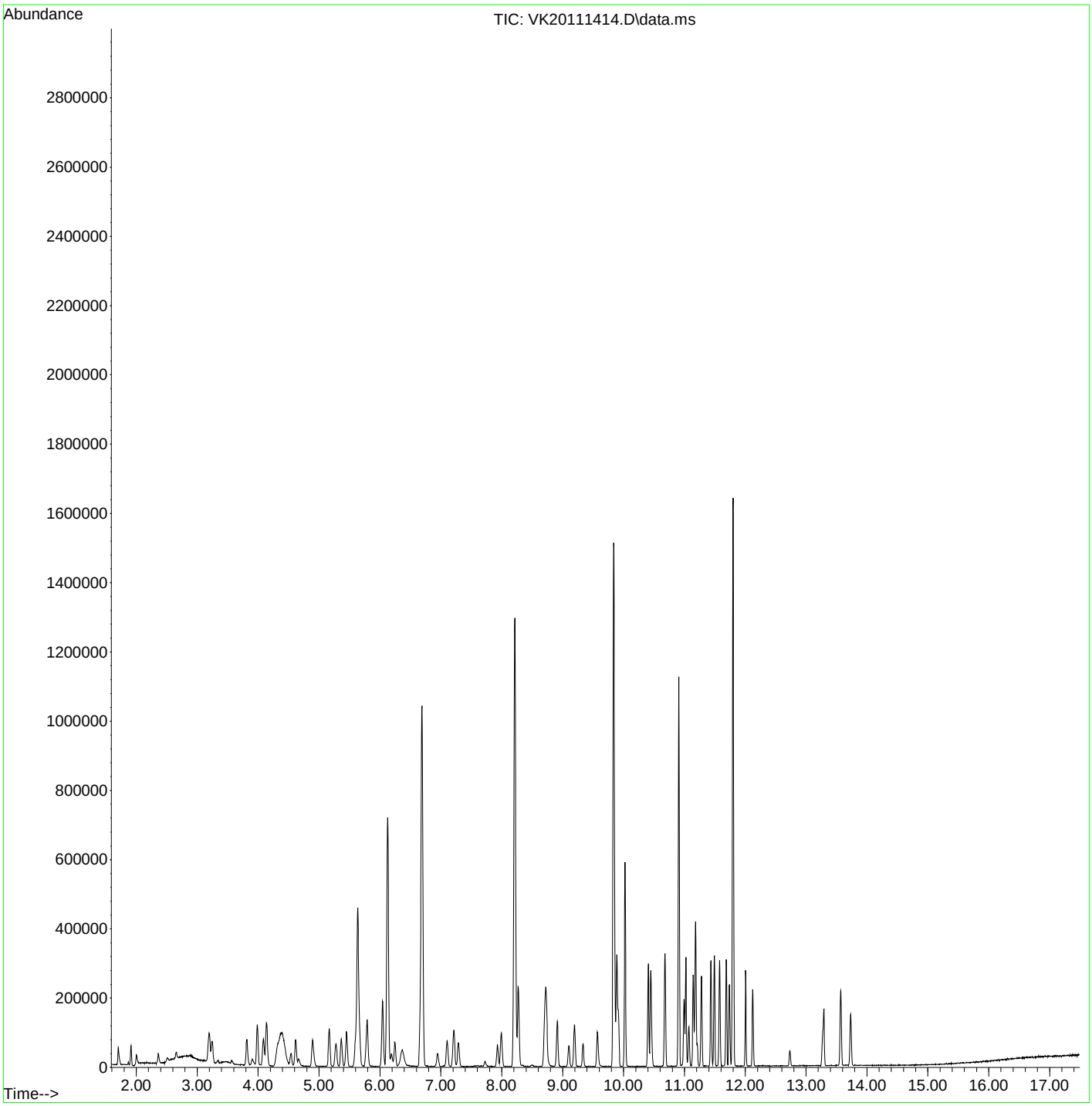
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) Bromodichloromethane	7.292	83	49635	9.24	ug/L		100
44) c-1,3-Dichloropropene	7.993	75	63245	11.15	ug/L		97
46) Toluene	8.271	91	196992	10.45	ug/L		99
47) Tetrachloroethene (PCE)	8.724	166	46702	7.81	ug/L		89
48) 4-Methyl-2-Pentanone (...	8.709	43	91290	24.98	ug/L		94
49) t-1,3-Dichloropropene	8.743	75	56194	11.76	ug/L		95
50) 1,1,2-Trichloroethane	8.912	97	44338	10.54	ug/L		95
51) Dibromochloromethane	9.103	129	33807	9.26	ug/L		98
52) 1,3-Dichloropropane	9.197	76	76597	11.71	ug/L		91
53) 1,2-Dibromoethane (EDB)	9.339	107	45967	10.23	ug/L		96
54) 2-Hexanone	9.571	43	64344	25.01	ug/L		96
55) Chlorobenzene	9.856	112	127988	9.92	ug/L		99
56) Ethylbenzene	9.890	91	210018	10.99	ug/L		99
57) 1,1,1,2-Tetrachloroethane	9.920	131	37074	9.52	ug/L		97
58) m,p-Xylenes (2)	10.025	91	309029	22.29	ug/L		97
59) o-Xylene	10.407	91	156950	11.10	ug/L		97
60) Styrene	10.452	104	119590	10.12	ug/L		95
61) Bromoform	10.467	173	17519	6.04	ug/L		93
62) Isopropylbenzene	10.681	105	193515	10.73	ug/L		100
65) Bromobenzene	10.992	156	47329	9.96	ug/L		90
66) n-Propylbenzene	11.026	91	209972	12.77	ug/L		98
67) 1,1,2,2-Tetrachloroethane	11.075	83	46662	12.51	ug/L		99
68) 2-Chlorotoluene	11.146	126	44256	11.32	ug/L		97
69) 1,3,5-Trimethylbenzene	11.183	105	144130	12.24	ug/L		98
70) 1,2,3-Trichloropropane	11.180	110	18246	11.96	ug/L		96
71) t-1,4-Dichloro-2-butene	11.213	88	5560	10.85	ug/L	#	76
72) 4-Chlorotoluene	11.281	91	127975	12.84	ug/L		97
73) tert-Butylbenzene	11.438	91	85271	13.73	ug/L		87
74) 1,2,4-Trimethylbenzene	11.491	105	146576	12.09	ug/L		98
75) sec-Butylbenzene	11.577	105	172207	12.02	ug/L		98
76) 4-Isopropyltoluene	11.686	119	145802	11.41	ug/L		97
77) 1,3-Dichlorobenzene	11.742	146	80062	9.96	ug/L		93
78) 1,4-Dichlorobenzene	11.809	146	77980	9.46	ug/L		95
79) n-Butylbenzene	12.004	91	119298	12.15	ug/L		97
80) 1,2-Dichlorobenzene	12.124	146	73818	9.74	ug/L		98
81) 1,2-Dibromo-3-Chloropr...	12.731	157	10058	8.16	ug/L		81
82) Hexachlorobutadiene	13.268	223	8731	7.48	ug/L		84
83) 1,2,4-Trichlorobenzene	13.290	180	43853	8.42	ug/L		93
84) Naphthalene	13.567	128	162112	10.81	ug/L		97
85) 1,2,3-Trichlorobenzene	13.729	180	42616	8.54	ug/L		93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111414.D
Acq On : 14 Nov 2020 09:37 pm
Operator : TNL
Sample : 0K14006-CAL7
Misc : 1X 5mL DI+MeOH 10 PPB
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 15 15:38:33 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111415.D
Acq On : 14 Nov 2020 10:04 pm
Operator : TNL
Sample : 0K14006-CAL8
Misc : 1X 5mL DI+MeOH 20 PPB
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 15 15:40:33 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration

11/15/20 TNL

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.126	99	282969	50.00	ug/L	#	0.00
43) Chlorobenzene-d5 (I)	9.838	117	777589	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.794	152	332262	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.632	111	258014	44.14	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.692	114	897360	41.78	ug/L		0.00
45) Toluene-d8 (S)	8.214	98	955104	52.85	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.910	174	263076	46.17	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.707	85	75691	20.58	ug/L		96
3) Chloromethane	1.917	50	79553	18.84	ug/L		98
4) Vinyl Chloride	2.003	62	39538	17.34	ug/L		97
5) Bromomethane	2.363	96	28489	14.33	ug/L		94
6) Chloroethane	2.509	64	14020	22.71	ug/L		88
7) Trichlorofluoromethane	2.655	101	25563	21.54	ug/L		98
8) Ethanol	3.457	45	74806	948.51	ug/L		89
9) 1,1-Dichloroethene	3.191	61	79549	19.82	ug/L		98
10) Carbon Disulfide	3.206	76	141649	21.08	ug/L		98
11) Freon 113	3.247	101	60571	16.81	ug/L		94
12) Iodomethane	3.337	142	20165	10.37	ug/L		87
13) Methylene Chloride	3.817	84	80714	17.55	ug/L		89
14) Acetone	3.900	43	59648	40.77	ug/L		97
15) t-1,2-Dichloroethene	3.990	61	117371	21.48	ug/L		90
16) n-Hexane	4.087	86	17035	18.63	ug/L	#	80
17) Methyl-tert-butyl-ether	4.140	73	278201	20.13	ug/L		92
18) tert-Butanol (TBA)	4.383	59	863890	1223.86	ug/L	#	83
19) Diisopropyl ether (DIPE)	4.541	45	59919	5.23	ug/L		90
20) 1,1-Dichloroethane	4.619	63	147788	20.45	ug/L		99
21) Acrylonitrile	4.664	53	36516	19.36	ug/L		100
22) Ethyl-tert-butyl ether...	4.908	59	63377	5.23	ug/L		96
23) c-1,2-Dichloroethene	5.167	61	116194	20.87	ug/L		89
24) 2,2-Dichloropropane	5.279	77	95753	17.66	ug/L		92
25) Bromochloromethane	5.369	49	64179	21.64	ug/L		83
26) Chloroform	5.455	83	160627	21.00	ug/L		97
27) Carbon Tetrachloride	5.602	117	102522	19.19	ug/L		96
28) Tetrahydrofuran	5.628	42	32274	19.65	ug/L		90
29) 1,1,1-Trichloroethane	5.662	97	143590	20.85	ug/L		96
31) 1,1-Dichloropropene	5.793	75	120055	20.61	ug/L		98
32) 2-Butanone (MEK)	5.770	43	91646	40.22	ug/L		98
33) Benzene	6.044	78	359419	18.27	ug/L		98
34) tert-Amyl methyl ether...	6.190	73	63290	4.82	ug/L		90
35) 1,2-Dichloroethane (EDC)	6.246	62	121836	22.93	ug/L		98
36) iso-Butyl Alcohol	6.370	43	128707	489.79	ug/L		96
38) Trichloroethene (TCE)	6.666	130	108795	15.91	ug/L		96
39) tert-Amyl ethyl ether ...	6.947	59	45192	5.09	ug/L		97
40) Dibromomethane	7.101	93	59844	18.97	ug/L		91
41) 1,2-Dichloropropane	7.214	63	88474	20.19	ug/L		95

Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111415.D
Acq On : 14 Nov 2020 10:04 pm
Operator : TNL
Sample : 0K14006-CAL8
Misc : 1X 5mL DI+MeOH 20 PPB
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 15 15:40:33 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration

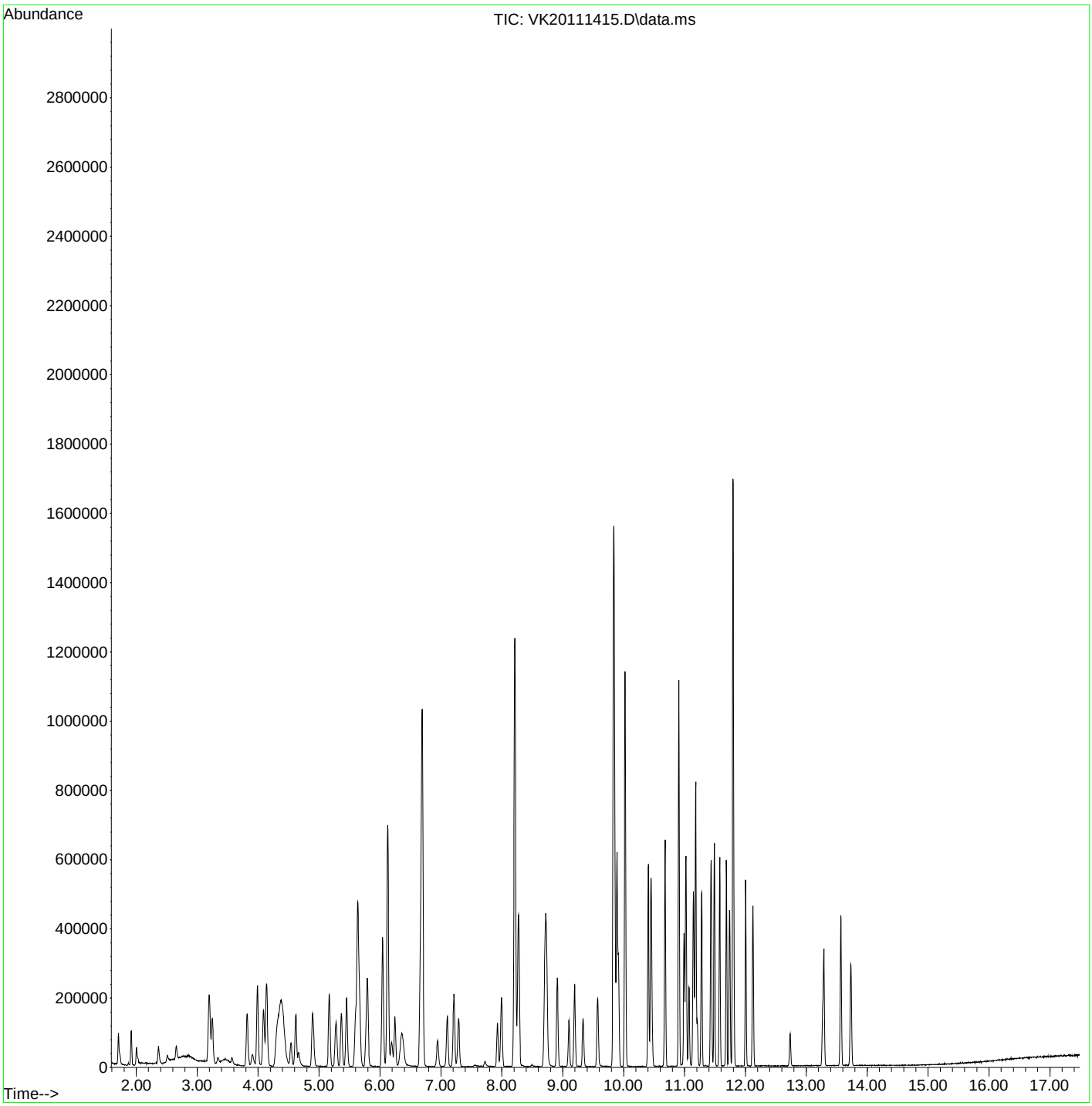
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Bromodichloromethane	7.289	83	101902	19.74	ug/L	98
44) c-1,3-Dichloropropene	7.993	75	130811	24.02	ug/L	92
46) Toluene	8.274	91	380761	21.04	ug/L	98
47) Tetrachloroethene (PCE)	8.724	166	93738	16.33	ug/L	92
48) 4-Methyl-2-Pentanone (...	8.702	43	177474	50.59	ug/L	92
49) t-1,3-Dichloropropene	8.739	75	116122	25.32	ug/L	98
50) 1,1,2-Trichloroethane	8.912	97	88499	21.91	ug/L	92
51) Dibromochloromethane	9.103	129	74609	21.30	ug/L	95
52) 1,3-Dichloropropane	9.193	76	149718	23.83	ug/L	91
53) 1,2-Dibromoethane (EDB)	9.335	107	94067	21.81	ug/L	99
54) 2-Hexanone	9.571	43	127274	51.53	ug/L	97
55) Chlorobenzene	9.853	112	247606	19.99	ug/L	99
56) Ethylbenzene	9.890	91	406627	22.16	ug/L	97
57) 1,1,1,2-Tetrachloroethane	9.916	131	77026	20.61	ug/L	95
58) m,p-Xylenes (2)	10.025	91	596932	44.85	ug/L	99
59) o-Xylene	10.407	91	308411	22.73	ug/L	96
60) Styrene	10.449	104	237495	20.94	ug/L	96
61) Bromoform	10.467	173	39735	13.31	ug/L	93
62) Isopropylbenzene	10.681	105	378491	21.86	ug/L	99
65) Bromobenzene	10.992	156	92831	19.94	ug/L	90
66) n-Propylbenzene	11.026	91	410145	25.46	ug/L	99
67) 1,1,2,2-Tetrachloroethane	11.071	83	92642	25.36	ug/L	100
68) 2-Chlorotoluene	11.146	126	87185	22.76	ug/L	98
69) 1,3,5-Trimethylbenzene	11.183	105	282777	24.51	ug/L	98
70) 1,2,3-Trichloropropane	11.176	110	36186	24.22	ug/L	91
71) t-1,4-Dichloro-2-butene	11.210	88	11544	22.99	ug/L #	80
72) 4-Chlorotoluene	11.281	91	253306	25.94	ug/L	96
73) tert-Butylbenzene	11.435	91	165156	27.14	ug/L	91
74) 1,2,4-Trimethylbenzene	11.491	105	290365	24.45	ug/L	97
75) sec-Butylbenzene	11.577	105	340644	24.27	ug/L	99
76) 4-Isopropyltoluene	11.686	119	286496	22.88	ug/L	98
77) 1,3-Dichlorobenzene	11.742	146	158692	20.16	ug/L	95
78) 1,4-Dichlorobenzene	11.809	146	156293	19.35	ug/L	96
79) n-Butylbenzene	12.004	91	234951	24.43	ug/L	98
80) 1,2-Dichlorobenzene	12.124	146	149717	20.16	ug/L	98
81) 1,2-Dibromo-3-Chloropr...	12.735	157	21288	16.86	ug/L	81
82) Hexachlorobutadiene	13.271	223	17114	14.96	ug/L	88
83) 1,2,4-Trichlorobenzene	13.290	180	88426	17.33	ug/L	92
84) Naphthalene	13.564	128	325652	22.17	ug/L	97
85) 1,2,3-Trichlorobenzene	13.729	180	86172	17.64	ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111415.D
Acq On : 14 Nov 2020 10:04 pm
Operator : TNL
Sample : 0K14006-CAL8
Misc : 1X 5mL DI+MeOH 20 PPB
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 15 15:40:33 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111415.D
Acq On : 14 Nov 2020 10:04 pm
Operator : TNL
Sample : 0K14006-CAL8
Misc : 1X 5mL DI+MeOH 20 PPB
ALS Vial : 10 Sample Multiplier: 1

11/15/20 TNL

Quant Time: Nov 15 15:40:33 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.126	99	282969	50.00	ug/L	#	0.00
43) Chlorobenzene-d5 (I)	9.838	117	777589	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.794	152	332262	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.632	111	258014	44.14	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.692	114	897360	41.78	ug/L		0.00
45) Toluene-d8 (S)	8.214	98	955104	52.85	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.910	174	263076	46.17	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.707	85	75691	20.58	ug/L		96
3) Chloromethane	1.917	50	79553	18.84	ug/L		98
4) Vinyl Chloride	2.003	62	39538	17.34	ug/L		97
5) Bromomethane	2.363	96	28489	14.33	ug/L		94
6) Chloroethane	2.509	64	14020	22.71	ug/L		88
7) Trichlorofluoromethane	2.655	101	25563	21.54	ug/L		98
8) Ethanol	3.457	45	74806	948.51	ug/L		89
9) 1,1-Dichloroethene	3.191	61	79549	19.82	ug/L		98
10) Carbon Disulfide	3.206	76	141649	21.08	ug/L		98
11) Freon 113	3.247	101	60571	16.81	ug/L		94
12) Iodomethane	3.337	142	20165	10.37	ug/L		87
13) Methylene Chloride	3.817	84	80714	17.55	ug/L		89
14) Acetone	3.900	43	59648	40.77	ug/L		97
15) t-1,2-Dichloroethene	3.990	61	117371	21.48	ug/L		90
16) n-Hexane	4.087	86	17035	18.63	ug/L	#	80
17) Methyl-tert-butyl-ether	4.140	73	278201	20.13	ug/L		92
18) tert-Butanol (TBA)	4.383	59	863890	1223.86	ug/L	#	83
19) Diisopropyl ether (DIPE)	4.541	45	59919	5.23	ug/L		90
20) 1,1-Dichloroethane	4.619	63	147788	20.45	ug/L		99
21) Acrylonitrile	4.664	53	36516	19.36	ug/L		100
22) Ethyl-tert-butyl ether...	4.908	59	63377	5.23	ug/L		96
23) c-1,2-Dichloroethene	5.167	61	116194	20.87	ug/L		89
24) 2,2-Dichloropropane	5.279	77	95753	17.66	ug/L		92
25) Bromochloromethane	5.369	49	64179	21.64	ug/L		83
26) Chloroform	5.455	83	160627	21.00	ug/L		97
27) Carbon Tetrachloride	5.602	117	102522	19.19	ug/L		96
28) Tetrahydrofuran	5.628	42	32274	19.65	ug/L		90
29) 1,1,1-Trichloroethane	5.662	97	143590	20.85	ug/L		96
31) 1,1-Dichloropropene	5.793	75	120055	20.61	ug/L		98
32) 2-Butanone (MEK)	5.770	43	91646	40.22	ug/L		98
33) Benzene	6.044	78	359419	18.27	ug/L		98
34) tert-Amyl methyl ether...	6.190	73	63290	4.82	ug/L		90
35) 1,2-Dichloroethane (EDC)	6.246	62	121836	22.93	ug/L		98
36) iso-Butyl Alcohol	6.370	43	128707	489.79	ug/L		96
38) Trichloroethene (TCE)	6.666	130	108795	15.91	ug/L		96
39) tert-Amyl ethyl ether ...	6.947	59	45192	5.09	ug/L		97
40) Dibromomethane	7.101	93	59844	18.97	ug/L		91
41) 1,2-Dichloropropane	7.214	63	88474	20.19	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111415.D
Acq On : 14 Nov 2020 10:04 pm
Operator : TNL
Sample : 0K14006-CAL8
Misc : 1X 5mL DI+MeOH 20 PPB
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 15 15:40:33 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration

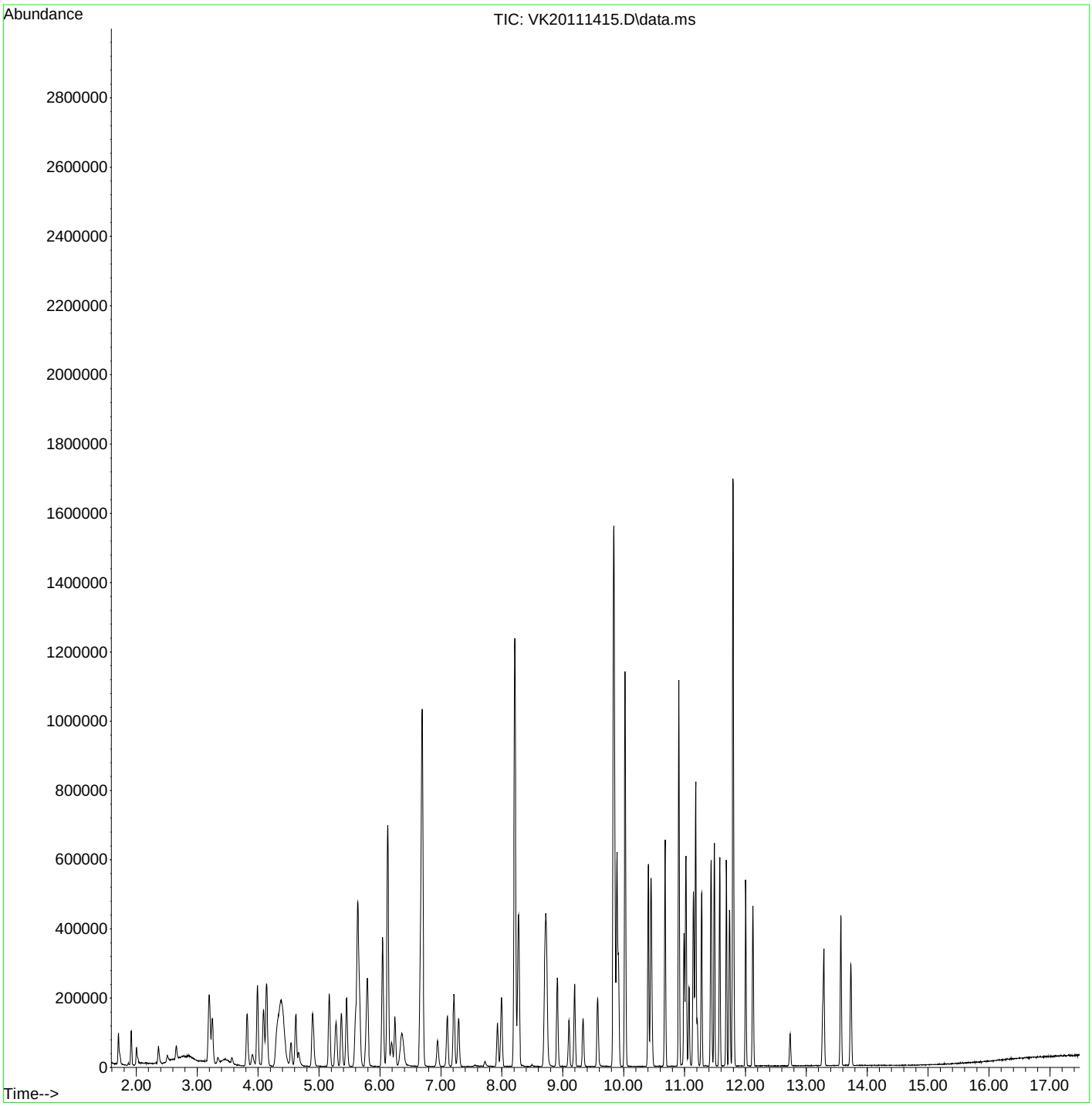
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) Bromodichloromethane	7.289	83	101902	19.74	ug/L		98
44) c-1,3-Dichloropropene	7.993	75	130811	24.02	ug/L		92
46) Toluene	8.274	91	380761	21.04	ug/L		98
47) Tetrachloroethene (PCE)	8.724	166	93738	16.33	ug/L		92
48) 4-Methyl-2-Pentanone (...	8.702	43	177474	50.59	ug/L		92
49) t-1,3-Dichloropropene	8.739	75	116122	25.32	ug/L		98
50) 1,1,2-Trichloroethane	8.912	97	88499	21.91	ug/L		92
51) Dibromochloromethane	9.103	129	74609	21.30	ug/L		95
52) 1,3-Dichloropropane	9.193	76	149718	23.83	ug/L		91
53) 1,2-Dibromoethane (EDB)	9.335	107	94067	21.81	ug/L		99
54) 2-Hexanone	9.571	43	127274	51.53	ug/L		97
55) Chlorobenzene	9.853	112	247606	19.99	ug/L		99
56) Ethylbenzene	9.890	91	406627	22.16	ug/L		97
57) 1,1,1,2-Tetrachloroethane	9.916	131	77026	20.61	ug/L		95
58) m,p-Xylenes (2)	10.025	91	596932	44.85	ug/L		99
59) o-Xylene	10.407	91	308411	22.73	ug/L		96
60) Styrene	10.449	104	237495	20.94	ug/L		96
61) Bromoform	10.467	173	39735	13.31	ug/L		93
62) Isopropylbenzene	10.681	105	378491	21.86	ug/L		99
65) Bromobenzene	10.992	156	92831	19.94	ug/L		90
66) n-Propylbenzene	11.026	91	410145	25.46	ug/L		99
67) 1,1,2,2-Tetrachloroethane	11.071	83	92642	25.36	ug/L		100
68) 2-Chlorotoluene	11.146	126	87185	22.76	ug/L		98
69) 1,3,5-Trimethylbenzene	11.183	105	282777	24.51	ug/L		98
70) 1,2,3-Trichloropropane	11.176	110	36186	24.22	ug/L		91
71) t-1,4-Dichloro-2-butene	11.210	88	11544	22.99	ug/L	#	80
72) 4-Chlorotoluene	11.281	91	253306	25.94	ug/L		96
73) tert-Butylbenzene	11.435	91	165156	27.14	ug/L		91
74) 1,2,4-Trimethylbenzene	11.491	105	290365	24.45	ug/L		97
75) sec-Butylbenzene	11.577	105	340644	24.27	ug/L		99
76) 4-Isopropyltoluene	11.686	119	286496	22.88	ug/L		98
77) 1,3-Dichlorobenzene	11.742	146	158692	20.16	ug/L		95
78) 1,4-Dichlorobenzene	11.809	146	156293	19.35	ug/L		96
79) n-Butylbenzene	12.004	91	234951	24.43	ug/L		98
80) 1,2-Dichlorobenzene	12.124	146	149717	20.16	ug/L		98
81) 1,2-Dibromo-3-Chloropr...	12.735	157	21288	16.86	ug/L		81
82) Hexachlorobutadiene	13.271	223	17114	14.96	ug/L		88
83) 1,2,4-Trichlorobenzene	13.290	180	88426	17.33	ug/L		92
84) Naphthalene	13.564	128	325652	22.17	ug/L		97
85) 1,2,3-Trichlorobenzene	13.729	180	86172	17.64	ug/L		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111415.D
Acq On : 14 Nov 2020 10:04 pm
Operator : TNL
Sample : 0K14006-CAL8
Misc : 1X 5mL DI+MeOH 20 PPB
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 15 15:40:33 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111416.D
Acq On : 14 Nov 2020 10:32 pm
Operator : TNL
Sample : 0K14006-CAL9
Misc : 1X 5mL DI+MeOH 50 PPB
ALS Vial : 11 Sample Multiplier: 1

11/15/20 TNL

Quant Time: Nov 15 15:42:33 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.126	99	274811	50.00	ug/L		# 0.00
43) Chlorobenzene-d5 (I)	9.838	117	744700	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.794	152	319899	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.632	111	249424	43.94	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.692	114	866044	41.52	ug/L		0.00
45) Toluene-d8 (S)	8.214	98	925217	53.45	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.910	174	249715	45.52	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.703	85	154066	43.13	ug/L		97
3) Chloromethane	1.917	50	199157	48.56	ug/L		97
4) Vinyl Chloride	2.003	62	97747	44.13	ug/L		96
5) Bromomethane	2.363	96	62585	32.40	ug/L		97
6) Chloroethane	2.509	64	37390	62.35	ug/L		96
7) Trichlorofluoromethane	2.659	101	69309	60.13	ug/L		98
8) Ethanol	3.472	45	157074	2050.75	ug/L		84
9) 1,1-Dichloroethene	3.187	61	146942	38.77	ug/L		97
10) Carbon Disulfide	3.202	76	248321	33.20	ug/L		98
11) Freon 113	3.247	101	132920	37.97	ug/L		94
12) Iodomethane	3.341	142	69878	26.29	ug/L		82
13) Methylene Chloride	3.817	84	185959	41.64	ug/L		91
14) Acetone	3.907	43	145101	102.11	ug/L		100
15) t-1,2-Dichloroethene	3.986	61	277338	52.26	ug/L		92
16) n-Hexane	4.091	86	40107	45.17	ug/L	#	83
17) Methyl-tert-butyl-ether	4.136	73	652931	48.66	ug/L		93
18) tert-Butanol (TBA)	4.394	59	1871938	2730.67	ug/L	#	80
19) Diisopropyl ether (DIPE)	4.541	45	111895	10.06	ug/L		91
20) 1,1-Dichloroethane	4.616	63	342833	48.86	ug/L		99
21) Acrylonitrile	4.664	53	87773	47.93	ug/L		99
22) Ethyl-tert-butyl ether...	4.904	59	119072	10.11	ug/L		98
23) c-1,2-Dichloroethene	5.167	61	268110	49.59	ug/L		89
24) 2,2-Dichloropropane	5.279	77	228426	43.38	ug/L		90
25) Bromochloromethane	5.365	49	146079	50.71	ug/L		89
26) Chloroform	5.452	83	375903	50.61	ug/L		95
27) Carbon Tetrachloride	5.598	117	261517	50.41	ug/L		97
28) Tetrahydrofuran	5.628	42	76698	48.07	ug/L		92
29) 1,1,1-Trichloroethane	5.662	97	341007	51.00	ug/L		96
31) 1,1-Dichloropropene	5.793	75	281592	49.77	ug/L		98
32) 2-Butanone (MEK)	5.770	43	224583	101.50	ug/L		95
33) Benzene	6.044	78	833586	43.62	ug/L		98
34) tert-Amyl methyl ether...	6.190	73	120751	9.47	ug/L		93
35) 1,2-Dichloroethane (EDC)	6.246	62	288664	55.93	ug/L		99
36) iso-Butyl Alcohol	6.366	43	333940	1308.52	ug/L		99
38) Trichloroethene (TCE)	6.666	130	254121	38.27	ug/L		97
39) tert-Amyl ethyl ether ...	6.944	59	85813	9.95	ug/L		93
40) Dibromomethane	7.105	93	143158	46.72	ug/L		90
41) 1,2-Dichloropropane	7.213	63	202897	47.67	ug/L		89

Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111416.D
Acq On : 14 Nov 2020 10:32 pm
Operator : TNL
Sample : 0K14006-CAL9
Misc : 1X 5mL DI+MeOH 50 PPB
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 15 15:42:33 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration

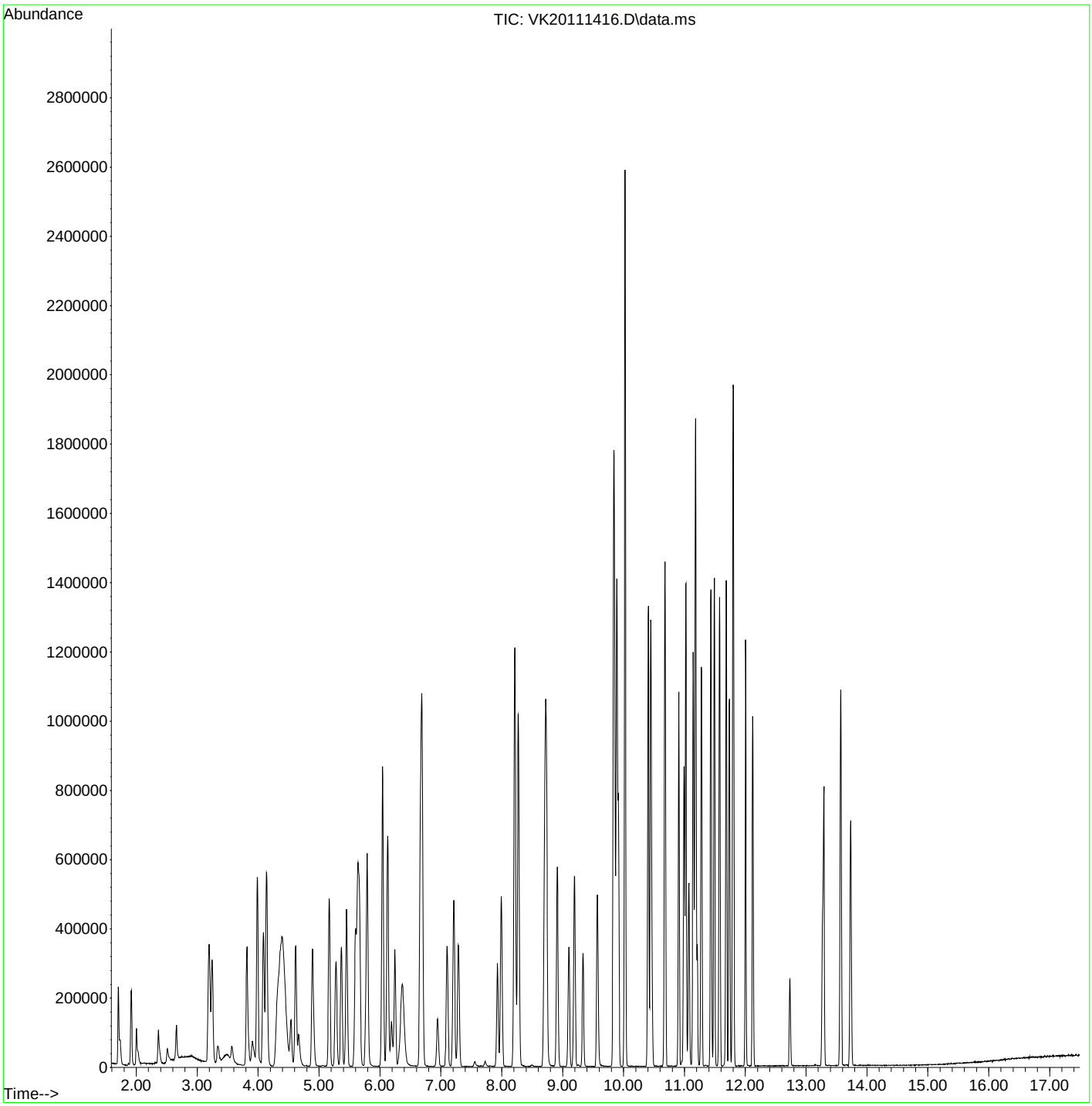
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) Bromodichloromethane	7.288	83	257176	51.29	ug/L		97
44) c-1,3-Dichloropropene	7.993	75	319432	61.24	ug/L		92
46) Toluene	8.274	91	874717	50.48	ug/L		100
47) Tetrachloroethene (PCE)	8.724	166	215786	39.26	ug/L		93
48) 4-Methyl-2-Pentanone (...	8.705	43	424720	126.43	ug/L		93
49) t-1,3-Dichloropropene	8.743	75	288458	65.67	ug/L		98
50) 1,1,2-Trichloroethane	8.912	97	202634	52.39	ug/L		98
51) Dibromochloromethane	9.103	129	194609	58.00	ug/L		96
52) 1,3-Dichloropropane	9.197	76	352832	58.65	ug/L		91
53) 1,2-Dibromoethane (EDB)	9.335	107	224320	54.31	ug/L		99
54) 2-Hexanone	9.571	43	321237	135.81	ug/L		94
55) Chlorobenzene	9.853	112	569966	48.05	ug/L		99
56) Ethylbenzene	9.890	91	932832	53.09	ug/L		99
57) 1,1,1,2-Tetrachloroethane	9.916	131	193354	54.03	ug/L		99
58) m,p-Xylenes (2)	10.025	91	1363837	107.01	ug/L		98
59) o-Xylene	10.407	91	713897	54.93	ug/L		97
60) Styrene	10.449	104	546768	50.34	ug/L		96
61) Bromoform	10.467	173	107796	36.12	ug/L		97
62) Isopropylbenzene	10.681	105	867176	52.30	ug/L		99
65) Bromobenzene	10.992	156	211619	47.22	ug/L		91
66) n-Propylbenzene	11.026	91	946313	61.01	ug/L		98
67) 1,1,2,2-Tetrachloroethane	11.075	83	220131	62.58	ug/L		96
68) 2-Chlorotoluene	11.146	126	198188	53.73	ug/L		98
69) 1,3,5-Trimethylbenzene	11.183	105	646721	58.22	ug/L		97
70) 1,2,3-Trichloropropane	11.180	110	84912	59.02	ug/L		90
71) t-1,4-Dichloro-2-butene	11.213	88	32360	66.93	ug/L	#	78
72) 4-Chlorotoluene	11.277	91	581944	61.90	ug/L		96
73) tert-Butylbenzene	11.438	91	381290	65.09	ug/L		95
74) 1,2,4-Trimethylbenzene	11.491	105	662840	57.97	ug/L		97
75) sec-Butylbenzene	11.577	105	787689	58.29	ug/L		99
76) 4-Isopropyltoluene	11.686	119	662180	54.94	ug/L		98
77) 1,3-Dichlorobenzene	11.742	146	363697	47.99	ug/L		95
78) 1,4-Dichlorobenzene	11.809	146	357946	46.02	ug/L		94
79) n-Butylbenzene	12.004	91	547751	59.16	ug/L		98
80) 1,2-Dichlorobenzene	12.124	146	345706	48.34	ug/L		97
81) 1,2-Dibromo-3-Chloropr...	12.735	157	59239	46.53	ug/L		91
82) Hexachlorobutadiene	13.268	223	41385	37.57	ug/L		95
83) 1,2,4-Trichlorobenzene	13.290	180	211849	43.11	ug/L		96
84) Naphthalene	13.567	128	808384	57.16	ug/L		97
85) 1,2,3-Trichlorobenzene	13.732	180	205863	43.76	ug/L		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111416.D
Acq On : 14 Nov 2020 10:32 pm
Operator : TNL
Sample : 0K14006-CAL9
Misc : 1X 5mL DI+MeOH 50 PPB
ALS Vial : 11 Sample Multiplier: 1

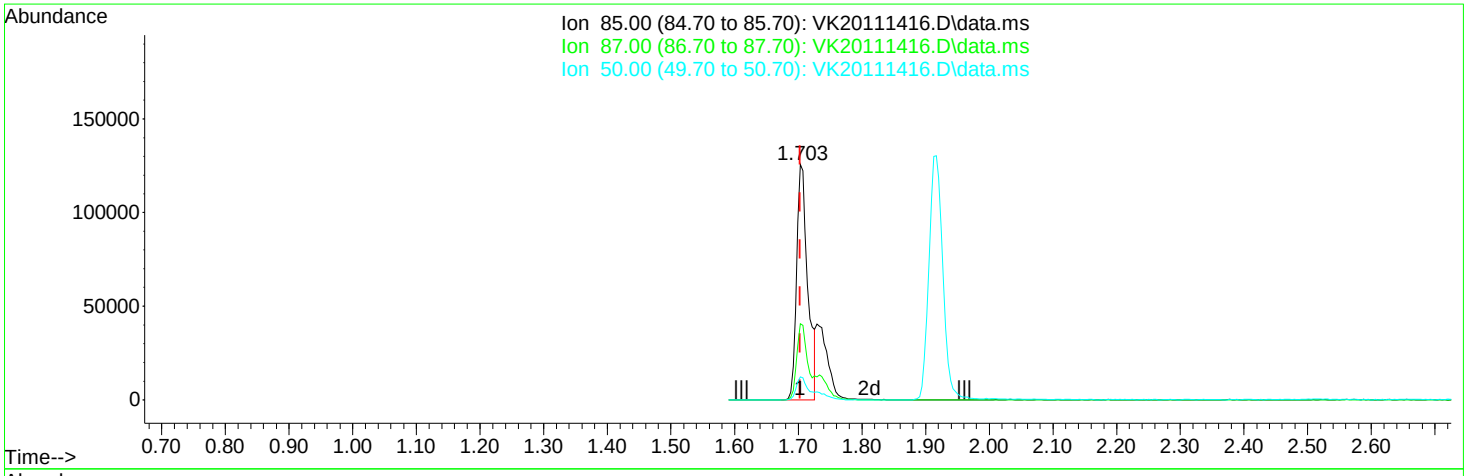
Quant Time: Nov 15 15:42:33 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration

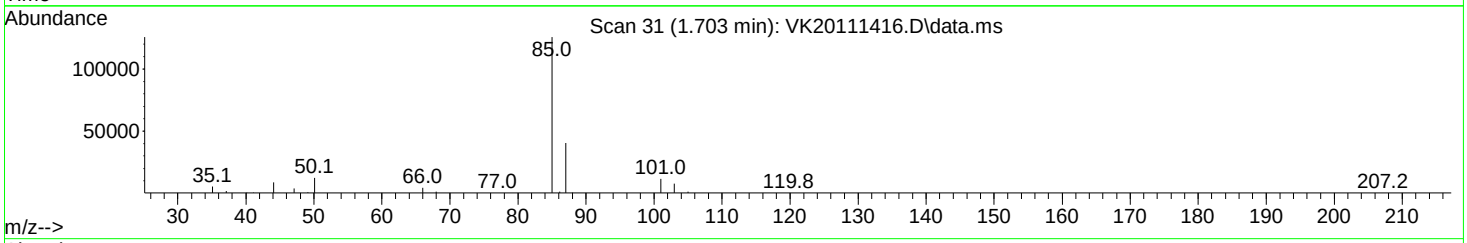


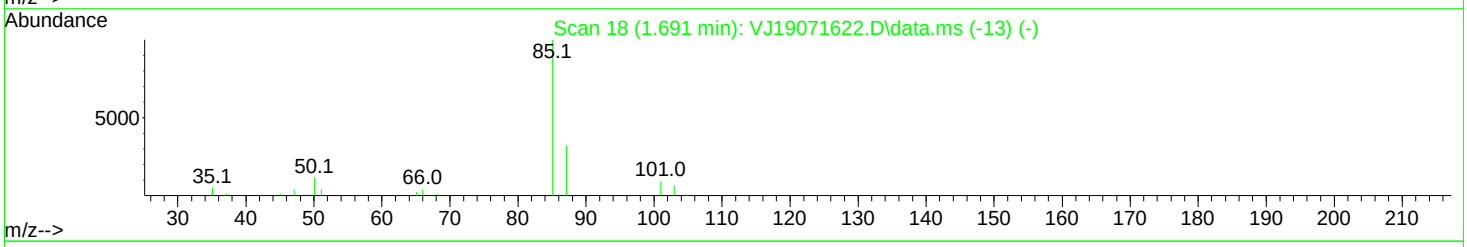
Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111416.D
Acq On : 14 Nov 2020 10:32 pm
Operator : TNL
Sample : 0K14006-CAL9
Misc : 1X 5mL DI+MeOH 50 PPB
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 15 15:42:33 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration







TIC: VK20111416.D\data.ms

(2) Dichlorodifluoromethane

1.703min (-0.000) 43.13 ug/L

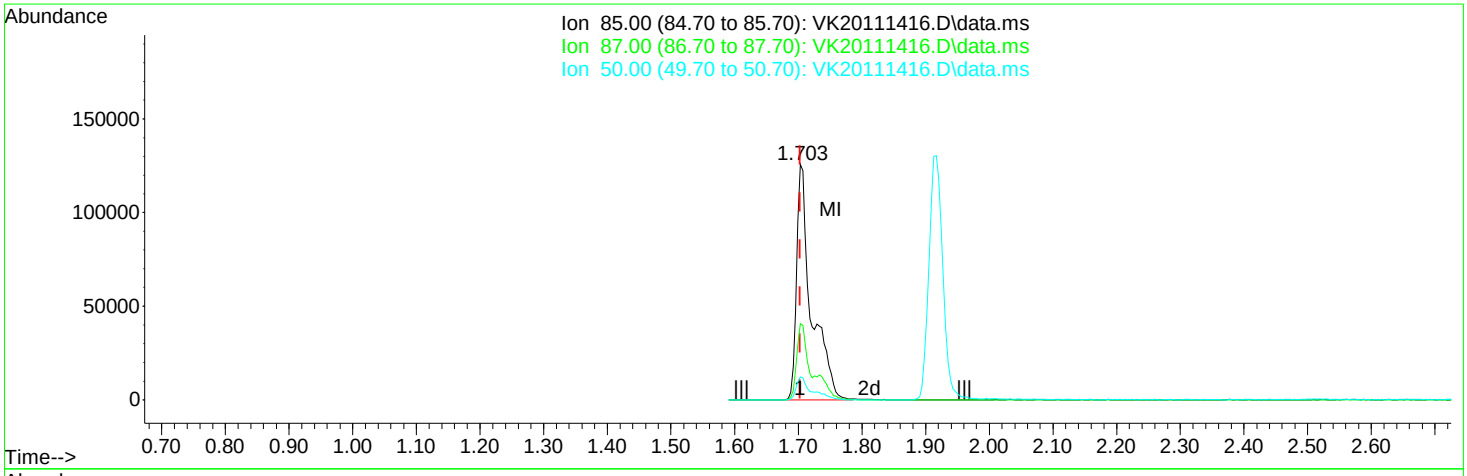
response 154066

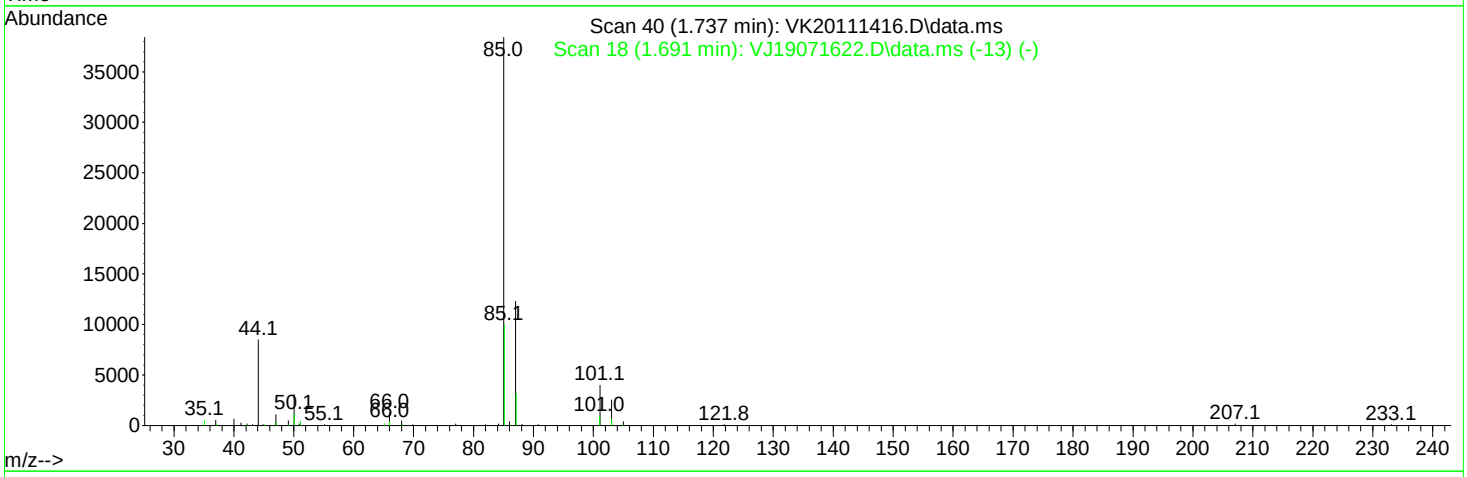
Ion	Exp%	Act%
85.00	100.00	100.00
87.00	31.10	32.29
50.00	11.20	9.74
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111416.D
Acq On : 14 Nov 2020 10:32 pm
Operator : TNL
Sample : 0K14006-CAL9
Misc : 1X 5mL DI+MeOH 50 PPB
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 15 15:42:33 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration





TIC: VK20111416.D\data.ms

(2) Dichlorodifluoromethane

1.703min (-0.000) 57.38 ug/L m

response 204964

Ion	Exp%	Act%
85.00	100.00	100.00
87.00	31.10	32.29
50.00	11.20	9.74
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111416.D
Acq On : 14 Nov 2020 10:32 pm
Operator : TNL
Sample : 0K14006-CAL9
Misc : 1X 5mL DI+MeOH 50 PPB
ALS Vial : 11 Sample Multiplier: 1

11/15/20 TNL

Quant Time: Nov 15 15:42:33 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (I)	6.126	99	274811	50.00	ug/L	# 0.00
43) Chlorobenzene-d5 (I)	9.838	117	744700	50.00	ug/L	0.00
63) 1,4-Dichlorobenzene-d4...	11.794	152	319899	50.00	ug/L	0.00
System Monitoring Compounds						
30) Dibromofluoromethane (S)	5.632	111	249424	43.94	ug/L	0.00
37) 1,4-Difluorobenzene (S)	6.692	114	866044	41.52	ug/L	0.00
45) Toluene-d8 (S)	8.214	98	925217	53.45	ug/L	0.00
64) 4-Bromofluorobenzene (S)	10.910	174	249715	45.52	ug/L	0.00
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.703	85	204964m	57.38	ug/L	
3) Chloromethane	1.917	50	199157	48.56	ug/L	97
4) Vinyl Chloride	2.003	62	97747	44.13	ug/L	96
5) Bromomethane	2.363	96	62585	32.40	ug/L	97
6) Chloroethane	2.509	64	37390	62.35	ug/L	96
7) Trichlorofluoromethane	2.659	101	69309	60.13	ug/L	98
8) Ethanol	3.472	45	157074	2050.75	ug/L	84
9) 1,1-Dichloroethene	3.187	61	146942	38.77	ug/L	97
10) Carbon Disulfide	3.202	76	248321	33.20	ug/L	98
11) Freon 113	3.247	101	132920	37.97	ug/L	94
12) Iodomethane	3.341	142	69878	26.29	ug/L	82
13) Methylene Chloride	3.817	84	185959	41.64	ug/L	91
14) Acetone	3.907	43	145101	102.11	ug/L	100
15) t-1,2-Dichloroethene	3.986	61	277338	52.26	ug/L	92
16) n-Hexane	4.091	86	40107	45.17	ug/L #	83
17) Methyl-tert-butyl-ether	4.136	73	652931	48.66	ug/L	93
18) tert-Butanol (TBA)	4.394	59	1871938	2730.67	ug/L #	80
19) Diisopropyl ether (DIPE)	4.541	45	111895	10.06	ug/L	91
20) 1,1-Dichloroethane	4.616	63	342833	48.86	ug/L	99
21) Acrylonitrile	4.664	53	87773	47.93	ug/L	99
22) Ethyl-tert-butyl ether...	4.904	59	119072	10.11	ug/L	98
23) c-1,2-Dichloroethene	5.167	61	268110	49.59	ug/L	89
24) 2,2-Dichloropropane	5.279	77	228426	43.38	ug/L	90
25) Bromochloromethane	5.365	49	146079	50.71	ug/L	89
26) Chloroform	5.452	83	375903	50.61	ug/L	95
27) Carbon Tetrachloride	5.598	117	261517	50.41	ug/L	97
28) Tetrahydrofuran	5.628	42	76698	48.07	ug/L	92
29) 1,1,1-Trichloroethane	5.662	97	341007	51.00	ug/L	96
31) 1,1-Dichloropropene	5.793	75	281592	49.77	ug/L	98
32) 2-Butanone (MEK)	5.770	43	224583	101.50	ug/L	95
33) Benzene	6.044	78	833586	43.62	ug/L	98
34) tert-Amyl methyl ether...	6.190	73	120751	9.47	ug/L	93
35) 1,2-Dichloroethane (EDC)	6.246	62	288664	55.93	ug/L	99
36) iso-Butyl Alcohol	6.366	43	333940	1308.52	ug/L	99
38) Trichloroethene (TCE)	6.666	130	254121	38.27	ug/L	97
39) tert-Amyl ethyl ether ...	6.944	59	85813	9.95	ug/L	93
40) Dibromomethane	7.105	93	143158	46.72	ug/L	90
41) 1,2-Dichloropropane	7.213	63	202897	47.67	ug/L	89

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111416.D
Acq On : 14 Nov 2020 10:32 pm
Operator : TNL
Sample : 0K14006-CAL9
Misc : 1X 5mL DI+MeOH 50 PPB
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 15 15:42:33 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration

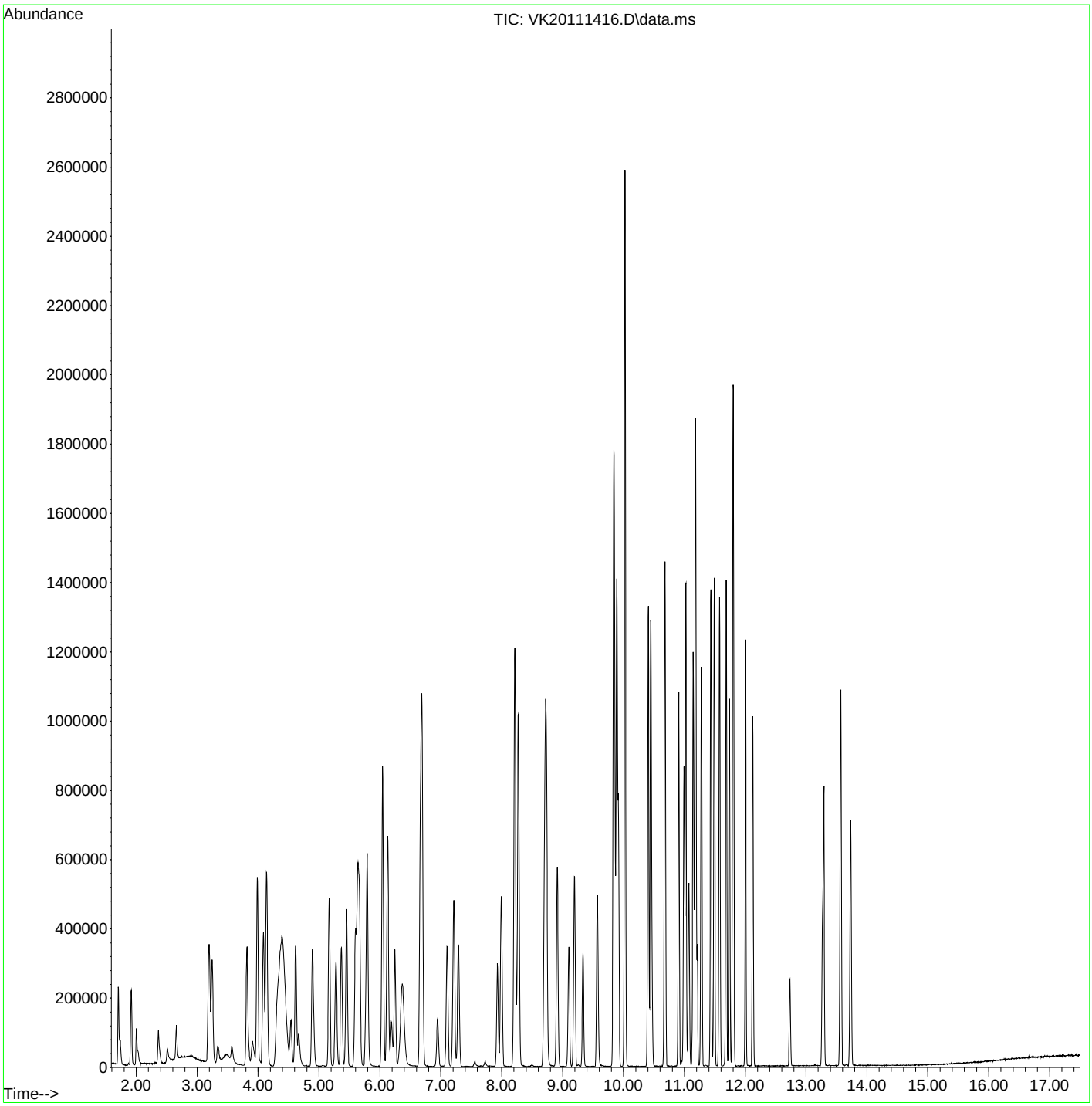
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) Bromodichloromethane	7.288	83	257176	51.29	ug/L		97
44) c-1,3-Dichloropropene	7.993	75	319432	61.24	ug/L		92
46) Toluene	8.274	91	874717	50.48	ug/L		100
47) Tetrachloroethene (PCE)	8.724	166	215786	39.26	ug/L		93
48) 4-Methyl-2-Pentanone (...	8.705	43	424720	126.43	ug/L		93
49) t-1,3-Dichloropropene	8.743	75	288458	65.67	ug/L		98
50) 1,1,2-Trichloroethane	8.912	97	202634	52.39	ug/L		98
51) Dibromochloromethane	9.103	129	194609	58.00	ug/L		96
52) 1,3-Dichloropropane	9.197	76	352832	58.65	ug/L		91
53) 1,2-Dibromoethane (EDB)	9.335	107	224320	54.31	ug/L		99
54) 2-Hexanone	9.571	43	321237	135.81	ug/L		94
55) Chlorobenzene	9.853	112	569966	48.05	ug/L		99
56) Ethylbenzene	9.890	91	932832	53.09	ug/L		99
57) 1,1,1,2-Tetrachloroethane	9.916	131	193354	54.03	ug/L		99
58) m,p-Xylenes (2)	10.025	91	1363837	107.01	ug/L		98
59) o-Xylene	10.407	91	713897	54.93	ug/L		97
60) Styrene	10.449	104	546768	50.34	ug/L		96
61) Bromoform	10.467	173	107796	36.12	ug/L		97
62) Isopropylbenzene	10.681	105	867176	52.30	ug/L		99
65) Bromobenzene	10.992	156	211619	47.22	ug/L		91
66) n-Propylbenzene	11.026	91	946313	61.01	ug/L		98
67) 1,1,2,2-Tetrachloroethane	11.075	83	220131	62.58	ug/L		96
68) 2-Chlorotoluene	11.146	126	198188	53.73	ug/L		98
69) 1,3,5-Trimethylbenzene	11.183	105	646721	58.22	ug/L		97
70) 1,2,3-Trichloropropane	11.180	110	84912	59.02	ug/L		90
71) t-1,4-Dichloro-2-butene	11.213	88	32360	66.93	ug/L	#	78
72) 4-Chlorotoluene	11.277	91	581944	61.90	ug/L		96
73) tert-Butylbenzene	11.438	91	381290	65.09	ug/L		95
74) 1,2,4-Trimethylbenzene	11.491	105	662840	57.97	ug/L		97
75) sec-Butylbenzene	11.577	105	787689	58.29	ug/L		99
76) 4-Isopropyltoluene	11.686	119	662180	54.94	ug/L		98
77) 1,3-Dichlorobenzene	11.742	146	363697	47.99	ug/L		95
78) 1,4-Dichlorobenzene	11.809	146	357946	46.02	ug/L		94
79) n-Butylbenzene	12.004	91	547751	59.16	ug/L		98
80) 1,2-Dichlorobenzene	12.124	146	345706	48.34	ug/L		97
81) 1,2-Dibromo-3-Chloropr...	12.735	157	59239	46.53	ug/L		91
82) Hexachlorobutadiene	13.268	223	41385	37.57	ug/L		95
83) 1,2,4-Trichlorobenzene	13.290	180	211849	43.11	ug/L		96
84) Naphthalene	13.567	128	808384	57.16	ug/L		97
85) 1,2,3-Trichlorobenzene	13.732	180	205863	43.76	ug/L		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111416.D
Acq On : 14 Nov 2020 10:32 pm
Operator : TNL
Sample : 0K14006-CAL9
Misc : 1X 5mL DI+MeOH 50 PPB
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 15 15:42:33 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111417.D
Acq On : 14 Nov 2020 10:59 pm
Operator : TNL
Sample : 0K14006-IBL7
Misc : 1X 5mL DI+MeOH
ALS Vial : 12 Sample Multiplier: 1

11/15/20 TNL

Quant Time: Nov 15 17:11:28 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Sun Nov 15 15:53:18 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.127	99	280105	50.00	ug/L	#	0.00
43) Chlorobenzene-d5 (I)	9.838	117	776448	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.794	152	338187	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.635	111	247404	49.07	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.693	114	885265	49.53	ug/L		0.00
45) Toluene-d8 (S)	8.214	98	941709	49.07	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.910	174	263889	49.67	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.707	85	482	0.12	ug/L		56
3) Chloromethane	1.909	50	2249	0.52	ug/L		91
5) Bromomethane	2.363	96	2927	2.12	ug/L		100
6) Chloroethane	2.513	64	65	0.08	ug/L	#	1
8) Ethanol	3.439	45	116	Below Cal		#	29
10) Carbon Disulfide	3.206	76	2465	0.41	ug/L		76
11) Freon 113	3.251	101	705	0.26	ug/L		75
12) Iodomethane	3.341	142	2520	3.41	ug/L		72
13) Methylene Chloride	3.814	84	4361	1.13	ug/L		81
14) Acetone	3.904	43	1345	0.86	ug/L		88
15) t-1,2-Dichloroethene	3.986	61	875	0.15	ug/L		91
16) n-Hexane	4.083	86	120	0.15	ug/L	#	8
18) tert-Butanol (TBA)	4.368	59	1051	1.39	ug/L	#	26
36) iso-Butyl Alcohol	6.385	43	441	1.62	ug/L		84
46) Toluene	8.278	91	2165	0.11	ug/L		95
47) Tetrachloroethene (PCE)	8.721	166	810	0.17	ug/L		95
56) Ethylbenzene	9.894	91	2446	0.12	ug/L		91
58) m,p-Xylenes (2)	10.025	91	3812	0.25	ug/L		90
59) o-Xylene	10.404	91	1710	0.11	ug/L		96
60) Styrene	10.449	104	1090	0.09	ug/L		83
62) Isopropylbenzene	10.685	105	2659	0.14	ug/L		95
65) Bromobenzene	10.992	156	401	0.08	ug/L		90
66) n-Propylbenzene	11.026	91	4575	0.21	ug/L		90
68) 2-Chlorotoluene	11.150	126	562	0.13	ug/L	#	61
69) 1,3,5-Trimethylbenzene	11.187	105	2749	0.18	ug/L		84
72) 4-Chlorotoluene	11.277	91	2584	0.19	ug/L		80
73) tert-Butylbenzene	11.435	91	2149	0.24	ug/L		89
74) 1,2,4-Trimethylbenzene	11.491	105	2759	0.18	ug/L		87
75) sec-Butylbenzene	11.577	105	5304	0.30	ug/L		97
76) 4-Isopropyltoluene	11.682	119	4561	0.31	ug/L		99
77) 1,3-Dichlorobenzene	11.742	146	1653	0.20	ug/L		80
78) 1,4-Dichlorobenzene	11.806	146	1708	0.21	ug/L	#	24
79) n-Butylbenzene	12.008	91	6273	0.51	ug/L		83
80) 1,2-Dichlorobenzene	12.128	146	1079	0.14	ug/L		86
82) Hexachlorobutadiene	13.264	223	757	0.87	ug/L	#	70
83) 1,2,4-Trichlorobenzene	13.290	180	2342	0.50	ug/L		92
84) Naphthalene	13.564	128	5630	0.33	ug/L		98
85) 1,2,3-Trichlorobenzene	13.736	180	2108	0.48	ug/L	#	72

Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111417.D
Acq On : 14 Nov 2020 10:59 pm
Operator : TNL
Sample : 0K14006-IBL7
Misc : 1X 5mL DI+MeOH
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 15 17:11:28 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Sun Nov 15 15:53:18 2020
Response via : Initial Calibration

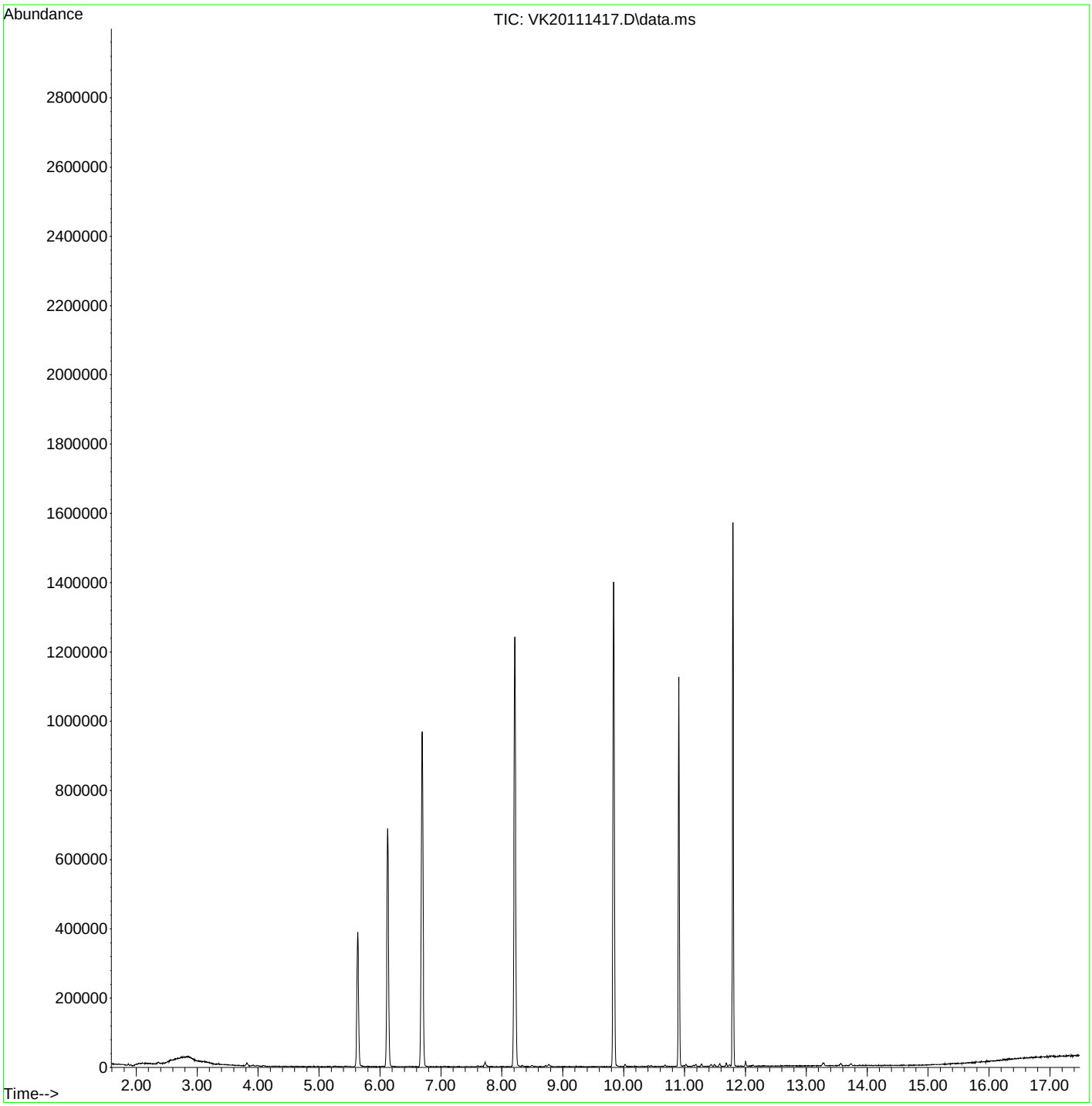
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111417.D
Acq On : 14 Nov 2020 10:59 pm
Operator : TNL
Sample : 0K14006-IBL7
Misc : 1X 5mL DI+MeOH
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 15 17:11:28 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Sun Nov 15 15:53:18 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111418.D
Acq On : 14 Nov 2020 11:26 pm
Operator : TNL
Sample : 0K14006-CALA
Misc : 1X 5mL DI+MeOH 100 PPB
ALS Vial : 13 Sample Multiplier: 1

11/15/20 TNL

Quant Time: Nov 15 15:46:33 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (I)	6.123	99	265838	50.00	ug/L	# 0.00
43) Chlorobenzene-d5 (I)	9.838	117	698440	50.00	ug/L	0.00
63) 1,4-Dichlorobenzene-d4...	11.794	152	294796	50.00	ug/L	0.00
System Monitoring Compounds						
30) Dibromofluoromethane (S)	5.632	111	242926	44.24	ug/L	0.00
37) 1,4-Difluorobenzene (S)	6.689	114	837245	41.49	ug/L	0.00
45) Toluene-d8 (S)	8.211	98	886755	54.62	ug/L	0.00
64) 4-Bromofluorobenzene (S)	10.906	174	234574	46.40	ug/L	0.00
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.696	85	396675	114.81	ug/L	95
3) Chloromethane	1.902	50	391210	98.61	ug/L	99
4) Vinyl Chloride	1.992	62	192551	89.87	ug/L	95
5) Bromomethane	2.355	96	111944	59.92	ug/L	100
6) Chloroethane	2.498	64	75208	129.66	ug/L	97
7) Trichlorofluoromethane	2.648	101	131940	118.33	ug/L	96
8) Ethanol	3.458	45	281158	3794.69	ug/L	85
9) 1,1-Dichloroethene	3.176	61	281889	82.59	ug/L	98
10) Carbon Disulfide	3.195	76	451327	51.67	ug/L	96
11) Freon 113	3.236	101	205311	60.63	ug/L	96
12) Iodomethane	3.326	142	175168	58.91	ug/L	84
13) Methylene Chloride	3.810	84	335678	77.70	ug/L	88
14) Acetone	3.896	43	287313	209.01	ug/L	95
15) t-1,2-Dichloroethene	3.982	61	530022	103.24	ug/L	90
16) n-Hexane	4.080	86	71885	83.70	ug/L #	90
17) Methyl-tert-butyl-ether	4.132	73	1277325	98.40	ug/L	92
18) tert-Butanol (TBA)	4.383	59	3425580	5165.69	ug/L #	82
19) Diisopropyl ether (DIPE)	4.533	45	208138	19.34	ug/L	90
20) 1,1-Dichloroethane	4.612	63	661955	97.52	ug/L	99
21) Acrylonitrile	4.661	53	171036	96.54	ug/L	97
22) Ethyl-tert-butyl ether...	4.904	59	222484	19.52	ug/L	96
23) c-1,2-Dichloroethene	5.163	61	519310	99.29	ug/L	89
24) 2,2-Dichloropropane	5.276	77	445065	87.38	ug/L	88
25) Bromochloromethane	5.362	49	279260	100.22	ug/L	83
26) Chloroform	5.448	83	734343	102.22	ug/L	96
27) Carbon Tetrachloride	5.594	117	532569	106.13	ug/L	98
28) Tetrahydrofuran	5.624	42	148300	96.09	ug/L	90
29) 1,1,1-Trichloroethane	5.658	97	668843	103.40	ug/L	95
31) 1,1-Dichloropropene	5.789	75	532955	97.38	ug/L	99
32) 2-Butanone (MEK)	5.767	43	436780	204.06	ug/L	95
33) Benzene	6.040	78	1578145	85.37	ug/L	98
34) tert-Amyl methyl ether...	6.190	73	224294	18.19	ug/L	91
35) 1,2-Dichloroethane (EDC)	6.243	62	558359	111.84	ug/L	99
36) iso-Butyl Alcohol	6.363	43	653241	2646.08	ug/L	98
38) Trichloroethene (TCE)	6.663	130	480102	74.75	ug/L	98
39) tert-Amyl ethyl ether ...	6.944	59	159885	19.17	ug/L	99
40) Dibromomethane	7.101	93	277136	93.50	ug/L	90
41) 1,2-Dichloropropane	7.210	63	390403	94.83	ug/L	90

Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111418.D
Acq On : 14 Nov 2020 11:26 pm
Operator : TNL
Sample : 0K14006-CALA
Misc : 1X 5mL DI+MeOH 100 PPB
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 15 15:46:33 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration

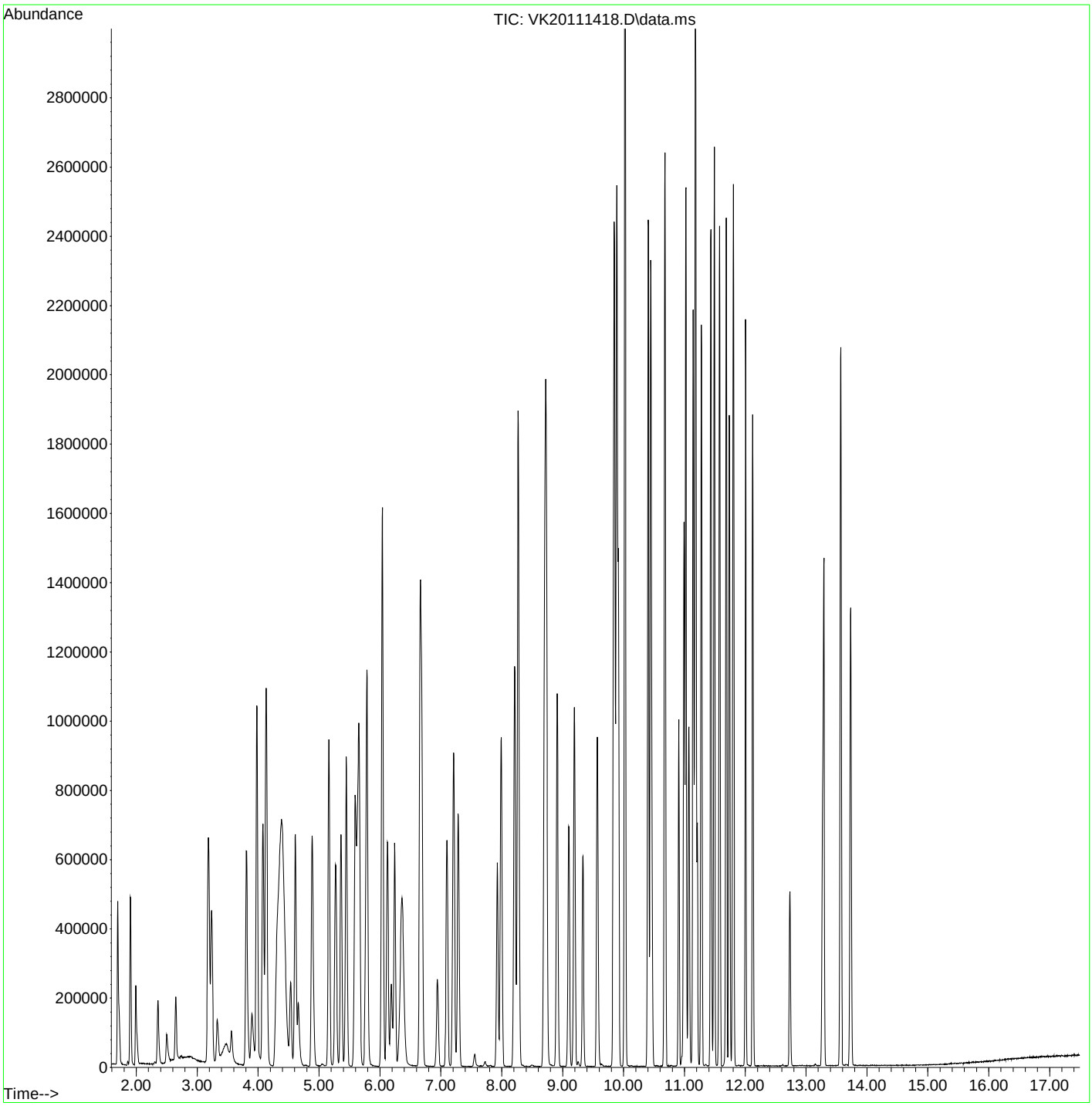
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) Bromodichloromethane	7.285	83	529029	109.06	ug/L		99
44) c-1,3-Dichloropropene	7.993	75	625203	127.80	ug/L		93
46) Toluene	8.271	91	1633012	100.49	ug/L		99
47) Tetrachloroethene (PCE)	8.721	166	394663	76.57	ug/L		89
48) 4-Methyl-2-Pentanone (...	8.702	43	799245	253.67	ug/L		93
49) t-1,3-Dichloropropene	8.739	75	555683	134.88	ug/L		98
50) 1,1,2-Trichloroethane	8.908	97	380066	104.77	ug/L		97
51) Dibromochloromethane	9.103	129	398306	126.57	ug/L		99
52) 1,3-Dichloropropane	9.193	76	655377	116.16	ug/L		93
53) 1,2-Dibromoethane (EDB)	9.335	107	427414	110.33	ug/L		98
54) 2-Hexanone	9.572	43	610679	275.27	ug/L		94
55) Chlorobenzene	9.853	112	1058058	95.10	ug/L		98
56) Ethylbenzene	9.890	91	1715971	104.13	ug/L		98
57) 1,1,1,2-Tetrachloroethane	9.916	131	376159	112.07	ug/L		99
58) m,p-Xylenes (2)	10.025	91	2497343	208.92	ug/L		96
59) o-Xylene	10.408	91	1318915	108.20	ug/L		96
60) Styrene	10.449	104	992793	97.46	ug/L		95
61) Bromoform	10.467	173	218947	76.21	ug/L		96
62) Isopropylbenzene	10.681	105	1587113	102.06	ug/L		99
65) Bromobenzene	10.992	156	388393	94.05	ug/L		89
66) n-Propylbenzene	11.026	91	1718295	120.21	ug/L		98
67) 1,1,2,2-Tetrachloroethane	11.071	83	412792	127.34	ug/L		98
68) 2-Chlorotoluene	11.146	126	362574	106.67	ug/L		97
69) 1,3,5-Trimethylbenzene	11.183	105	1179890	115.26	ug/L		96
70) 1,2,3-Trichloropropane	11.180	110	153402	115.71	ug/L		85
71) t-1,4-Dichloro-2-butene	11.213	88	64710	145.24	ug/L	#	81
72) 4-Chlorotoluene	11.277	91	1061464	122.53	ug/L		97
73) tert-Butylbenzene	11.438	91	696609	129.04	ug/L		93
74) 1,2,4-Trimethylbenzene	11.491	105	1196705	113.57	ug/L		98
75) sec-Butylbenzene	11.577	105	1391993	111.78	ug/L		98
76) 4-Isopropyltoluene	11.686	119	1190745	107.20	ug/L		98
77) 1,3-Dichlorobenzene	11.742	146	654892	93.77	ug/L		96
78) 1,4-Dichlorobenzene	11.810	146	650067	90.70	ug/L		96
79) n-Butylbenzene	12.004	91	961191	112.65	ug/L		98
80) 1,2-Dichlorobenzene	12.124	146	634732	96.31	ug/L		96
81) 1,2-Dibromo-3-Chloropr...	12.735	157	125715	101.83	ug/L		89
82) Hexachlorobutadiene	13.268	223	72071	71.00	ug/L		96
83) 1,2,4-Trichlorobenzene	13.290	180	392730	86.73	ug/L		93
84) Naphthalene	13.568	128	1525276	117.04	ug/L		97
85) 1,2,3-Trichlorobenzene	13.733	180	385558	88.94	ug/L		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111418.D
Acq On : 14 Nov 2020 11:26 pm
Operator : TNL
Sample : 0K14006-CALA
Misc : 1X 5mL DI+MeOH 100 PPB
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 15 15:46:33 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111418.D
Acq On : 14 Nov 2020 11:26 pm
Operator : TNL
Sample : 0K14006-CALA
Misc : 1X 5mL DI+MeOH 100 PPB
ALS Vial : 13 Sample Multiplier: 1

11/15/20 TNL

Quant Time: Nov 15 15:46:33 2020
Quant Method : C:\GCMS\1\methods\~~VK201115S.M~~
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.123	99	265838	50.00	ug/L		# 0.00
43) Chlorobenzene-d5 (I)	9.838	117	698440	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.794	152	294796	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.632	111	242926	44.24	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.689	114	837245	41.49	ug/L		0.00
45) Toluene-d8 (S)	8.211	98	886755	54.62	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.906	174	234574	46.40	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.696	85	396675	114.81	ug/L		95
3) Chloromethane	1.902	50	391210	98.61	ug/L		99
4) Vinyl Chloride	1.992	62	192551	89.87	ug/L		95
5) Bromomethane	2.355	96	111944	59.92	ug/L		100
6) Chloroethane	2.498	64	75208	129.66	ug/L		97
7) Trichlorofluoromethane	2.648	101	131940	118.33	ug/L		96
8) Ethanol	3.458	45	281158	3794.69	ug/L		85
9) 1,1-Dichloroethene	3.176	61	281889	82.59	ug/L		98
10) Carbon Disulfide	3.195	76	451327	51.67	ug/L		96
11) Freon 113	3.236	101	205311	60.63	ug/L		96
12) Iodomethane	3.326	142	175168	58.91	ug/L		84
13) Methylene Chloride	3.810	84	335678	77.70	ug/L		88
14) Acetone	3.896	43	287313	209.01	ug/L		95
15) t-1,2-Dichloroethene	3.982	61	530022	103.24	ug/L		90
16) n-Hexane	4.080	86	71885	83.70	ug/L	#	90
17) Methyl-tert-butyl-ether	4.132	73	1277325	98.40	ug/L		92
18) tert-Butanol (TBA)	4.383	59	3425580	5165.69	ug/L	#	82
19) Diisopropyl ether (DIPE)	4.533	45	208138	19.34	ug/L		90
20) 1,1-Dichloroethane	4.612	63	661955	97.52	ug/L		99
21) Acrylonitrile	4.661	53	171036	96.54	ug/L		97
22) Ethyl-tert-butyl ether...	4.904	59	222484	19.52	ug/L		96
23) c-1,2-Dichloroethene	5.163	61	519310	99.29	ug/L		89
24) 2,2-Dichloropropane	5.276	77	445065	87.38	ug/L		88
25) Bromochloromethane	5.362	49	279260	100.22	ug/L		83
26) Chloroform	5.448	83	734343	102.22	ug/L		96
27) Carbon Tetrachloride	5.594	117	532569	106.13	ug/L		98
28) Tetrahydrofuran	5.624	42	148300	96.09	ug/L		90
29) 1,1,1-Trichloroethane	5.658	97	668843	103.40	ug/L		95
31) 1,1-Dichloropropene	5.789	75	532955	97.38	ug/L		99
32) 2-Butanone (MEK)	5.767	43	436780	204.06	ug/L		95
33) Benzene	6.040	78	1578145	85.37	ug/L		98
34) tert-Amyl methyl ether...	6.190	73	224294	18.19	ug/L		91
35) 1,2-Dichloroethane (EDC)	6.243	62	558359	111.84	ug/L		99
36) iso-Butyl Alcohol	6.363	43	653241	2646.08	ug/L		98
38) Trichloroethene (TCE)	6.663	130	480102	74.75	ug/L		98
39) tert-Amyl ethyl ether ...	6.944	59	159885	19.17	ug/L		99
40) Dibromomethane	7.101	93	277136	93.50	ug/L		90
41) 1,2-Dichloropropane	7.210	63	390403	94.83	ug/L		90

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111418.D
Acq On : 14 Nov 2020 11:26 pm
Operator : TNL
Sample : 0K14006-CALA
Misc : 1X 5mL DI+MeOH 100 PPB
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 15 15:46:33 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration

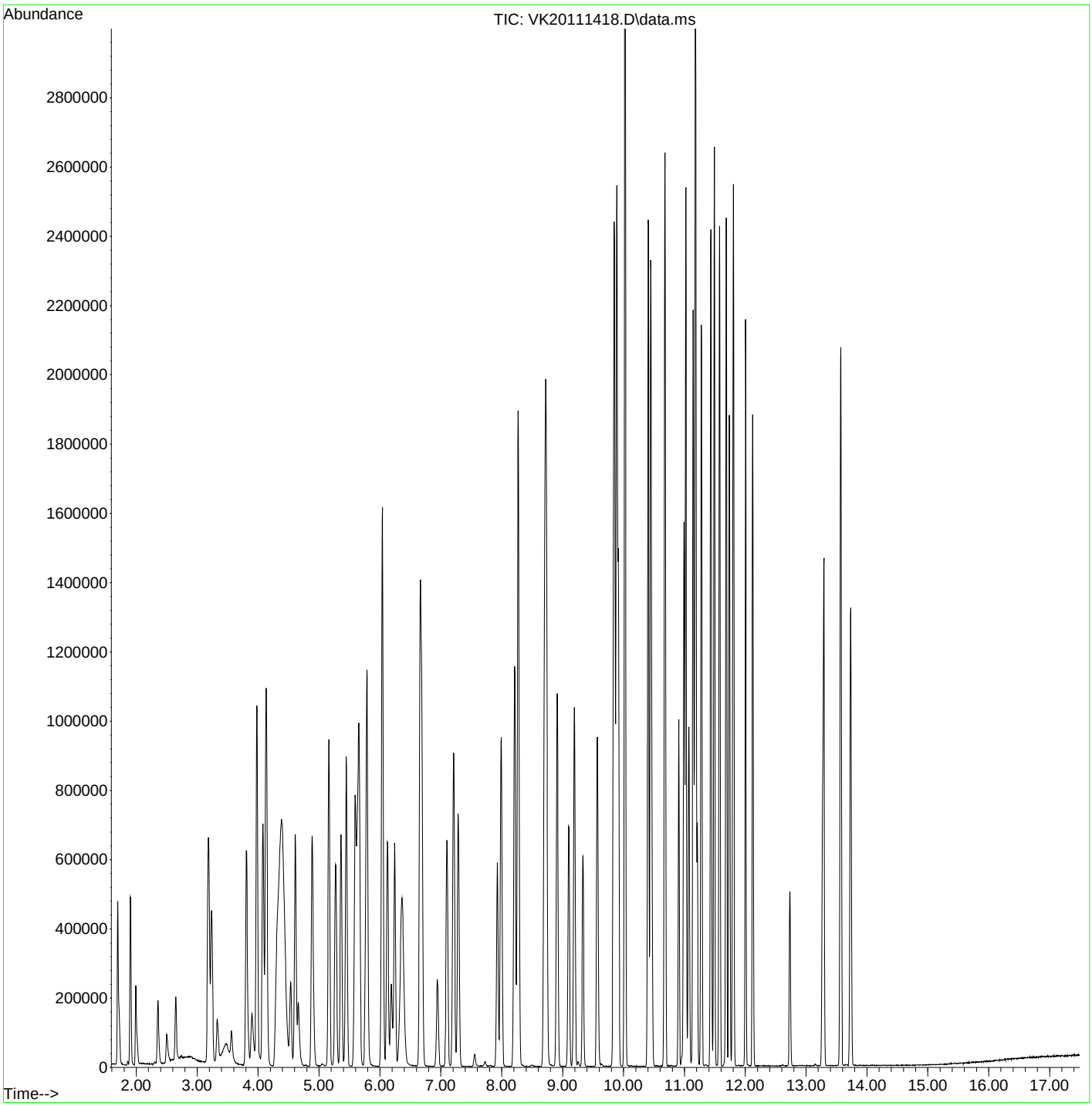
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) Bromodichloromethane	7.285	83	529029	109.06	ug/L		99
44) c-1,3-Dichloropropene	7.993	75	625203	127.80	ug/L		93
46) Toluene	8.271	91	1633012	100.49	ug/L		99
47) Tetrachloroethene (PCE)	8.721	166	394663	76.57	ug/L		89
48) 4-Methyl-2-Pentanone (...	8.702	43	799245	253.67	ug/L		93
49) t-1,3-Dichloropropene	8.739	75	555683	134.88	ug/L		98
50) 1,1,2-Trichloroethane	8.908	97	380066	104.77	ug/L		97
51) Dibromochloromethane	9.103	129	398306	126.57	ug/L		99
52) 1,3-Dichloropropane	9.193	76	655377	116.16	ug/L		93
53) 1,2-Dibromoethane (EDB)	9.335	107	427414	110.33	ug/L		98
54) 2-Hexanone	9.572	43	610679	275.27	ug/L		94
55) Chlorobenzene	9.853	112	1058058	95.10	ug/L		98
56) Ethylbenzene	9.890	91	1715971	104.13	ug/L		98
57) 1,1,1,2-Tetrachloroethane	9.916	131	376159	112.07	ug/L		99
58) m,p-Xylenes (2)	10.025	91	2497343	208.92	ug/L		96
59) o-Xylene	10.408	91	1318915	108.20	ug/L		96
60) Styrene	10.449	104	992793	97.46	ug/L		95
61) Bromoform	10.467	173	218947	76.21	ug/L		96
62) Isopropylbenzene	10.681	105	1587113	102.06	ug/L		99
65) Bromobenzene	10.992	156	388393	94.05	ug/L		89
66) n-Propylbenzene	11.026	91	1718295	120.21	ug/L		98
67) 1,1,2,2-Tetrachloroethane	11.071	83	412792	127.84	ug/L		98
68) 2-Chlorotoluene	11.146	126	362574	106.67	ug/L		97
69) 1,3,5-Trimethylbenzene	11.183	105	1179890	115.26	ug/L		96
70) 1,2,3-Trichloropropane	11.180	110	153402	115.71	ug/L		85
71) t-1,4-Dichloro-2-butene	11.213	88	64710	145.24	ug/L	#	81
72) 4-Chlorotoluene	11.277	91	1061464	122.53	ug/L		97
73) tert-Butylbenzene	11.438	91	696609	129.04	ug/L		93
74) 1,2,4-Trimethylbenzene	11.491	105	1196705	113.57	ug/L		98
75) sec-Butylbenzene	11.577	105	1391993	111.78	ug/L		98
76) 4-Isopropyltoluene	11.686	119	1190745	107.20	ug/L		98
77) 1,3-Dichlorobenzene	11.742	146	654892	93.77	ug/L		96
78) 1,4-Dichlorobenzene	11.810	146	650067	90.70	ug/L		96
79) n-Butylbenzene	12.004	91	961191	112.65	ug/L		98
80) 1,2-Dichlorobenzene	12.124	146	634732	96.31	ug/L		96
81) 1,2-Dibromo-3-Chloropr...	12.735	157	125715	101.83	ug/L		89
82) Hexachlorobutadiene	13.268	223	72071	71.00	ug/L		96
83) 1,2,4-Trichlorobenzene	13.290	180	392730	86.73	ug/L		93
84) Naphthalene	13.568	128	1525276	117.04	ug/L		97
85) 1,2,3-Trichlorobenzene	13.733	180	385558	88.94	ug/L		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111418.D
Acq On : 14 Nov 2020 11:26 pm
Operator : TNL
Sample : 0K14006-CALA
Misc : 1X 5mL DI+MeOH 100 PPB
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 15 15:46:33 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111419.D
Acq On : 14 Nov 2020 11:54 pm
Operator : TNL
Sample : 0K14006-CALB
Misc : 1X 5mL DI+MeOH 200 PPB
ALS Vial : 14 Sample Multiplier: 1

11/15/20 TNL

Quant Time: Nov 15 15:48:38 2020
Quant Method : C:\GCMS\1\methods\~~VK201115S.M~~
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.130	99	249268	50.00	ug/L	#	0.00
43) Chlorobenzene-d5 (I)	9.838	117	622617	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.794	152	262477	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.635	111	222182	43.15	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.692	114	780748	41.27	ug/L		0.00
45) Toluene-d8 (S)	8.214	98	821594	56.77	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.910	174	212955	47.31	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.707	85	751876	232.07	ug/L		97
3) Chloromethane	1.917	50	742700	199.65	ug/L		99
4) Vinyl Chloride	2.003	62	372668	185.50	ug/L		96
5) Bromomethane	2.367	96	229377	130.93	ug/L		99
6) Chloroethane	2.513	64	144854	266.32	ug/L		100
7) Trichlorofluoromethane	2.659	101	251217	240.29	ug/L		97
8) Ethanol	3.394	45	440	6.33	ug/L	#	29
9) 1,1-Dichloroethene	3.187	61	594120	283.61	ug/L		96
10) Carbon Disulfide	3.202	76	1055225	92.60	ug/L		97
11) Freon 113	3.240	101	503648	158.63	ug/L		95
12) Iodomethane	3.341	142	403379	126.11	ug/L		81
13) Methylene Chloride	3.817	84	699548	172.68	ug/L		91
14) Acetone	3.907	43	550909	427.42	ug/L		99
15) t-1,2-Dichloroethene	3.986	61	1032381	214.46	ug/L		91
16) n-Hexane	4.087	86	149403	185.52	ug/L	#	86
17) Methyl-tert-butyl-ether	4.140	73	2482377	203.95	ug/L		93
18) tert-Butanol (TBA)	4.346	59	122	0.20	ug/L	#	1
19) Diisopropyl ether (DIPE)	4.533	45	84	0.01	ug/L	#	14
20) 1,1-Dichloroethane	4.616	63	1313488	206.36	ug/L		99
21) Acrylonitrile	4.668	53	344955	207.66	ug/L		99
22) Ethyl-tert-butyl ether...	4.893	59	205	0.02	ug/L	#	1
23) c-1,2-Dichloroethene	5.167	61	1023120	208.63	ug/L		91
24) 2,2-Dichloropropane	5.279	77	915862	191.75	ug/L		89
25) Bromochloromethane	5.365	49	536817	205.45	ug/L		81
26) Chloroform	5.452	83	1440842	213.89	ug/L		95
27) Carbon Tetrachloride	5.598	117	1137308	241.71	ug/L		97
28) Tetrahydrofuran	5.628	42	292428	202.08	ug/L		89
29) 1,1,1-Trichloroethane	5.662	97	1349490	222.49	ug/L		95
31) 1,1-Dichloropropene	5.793	75	1057537	206.08	ug/L		99
32) 2-Butanone (MEK)	5.770	43	851065	424.04	ug/L		97
33) Benzene	6.044	78	3052281	176.09	ug/L		98
34) tert-Amyl methyl ether...	6.213	73	283	0.02	ug/L	#	46
35) 1,2-Dichloroethane (EDC)	6.246	62	1106887	236.45	ug/L		100
36) iso-Butyl Alcohol	6.370	43	1267604	5476.01	ug/L		99
38) Trichloroethene (TCE)	6.666	130	942905	156.57	ug/L		99
39) tert-Amyl ethyl ether ...	6.966	59	39	0.00	ug/L	#	37
40) Dibromomethane	7.105	93	538540	193.77	ug/L		93
41) 1,2-Dichloropropane	7.214	63	765725	198.35	ug/L		90

Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111419.D
Acq On : 14 Nov 2020 11:54 pm
Operator : TNL
Sample : 0K14006-CALB
Misc : 1X 5mL DI+MeOH 200 PPB
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 15 15:48:38 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration

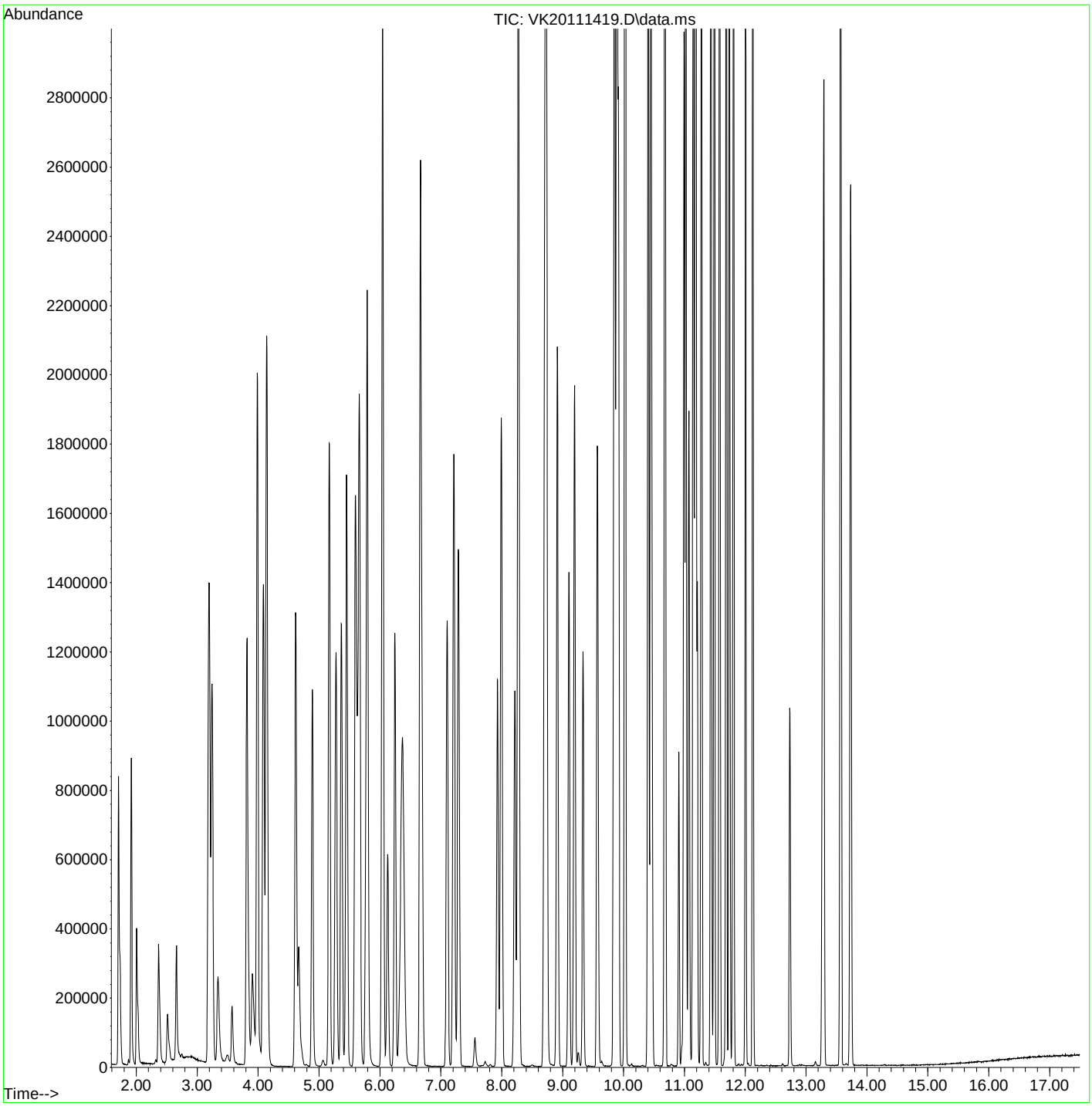
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) Bromodichloromethane	7.292	83	1094224	240.57	ug/L		97
44) c-1,3-Dichloropropene	7.993	75	1255734	287.94	ug/L		94
46) Toluene	8.274	91	3143879	217.01	ug/L		99
47) Tetrachloroethene (PCE)	8.724	166	759160	165.22	ug/L		89
48) 4-Methyl-2-Pentanone (...	8.705	43	1481444	527.45	ug/L		94
49) t-1,3-Dichloropropene	8.743	75	1089518	296.67	ug/L		98
50) 1,1,2-Trichloroethane	8.912	97	729104	225.47	ug/L		97
51) Dibromochloromethane	9.103	129	815677	290.77	ug/L		99
52) 1,3-Dichloropropane	9.197	76	1253553	249.23	ug/L		92
53) 1,2-Dibromoethane (EDB)	9.335	107	816596	236.47	ug/L		100
54) 2-Hexanone	9.571	43	1174682	593.98	ug/L		96
55) Chlorobenzene	9.853	112	1990792	200.72	ug/L		97
56) Ethylbenzene	9.890	91	3257978	221.78	ug/L		99
57) 1,1,1,2-Tetrachloroethane	9.916	131	731522	244.49	ug/L		99
58) m,p-Xylenes (2)	10.025	91	4643390	435.76	ug/L		96
59) o-Xylene	10.407	91	2500292	230.10	ug/L		96
60) Styrene	10.449	104	1813892	199.74	ug/L		94
61) Bromoform	10.467	173	454182	170.04	ug/L		96
62) Isopropylbenzene	10.681	105	3000545	216.45	ug/L		98
65) Bromobenzene	10.992	156	723248	196.70	ug/L		88
66) n-Propylbenzene	11.026	91	3244467	254.93	ug/L		98
67) 1,1,2,2-Tetrachloroethane	11.075	83	793433	274.91	ug/L		99
68) 2-Chlorotoluene	11.146	126	672699	222.27	ug/L		96
69) 1,3,5-Trimethylbenzene	11.183	105	2205954	242.03	ug/L		95
70) 1,2,3-Trichloropropane	11.176	110	285413	241.80	ug/L		85
71) t-1,4-Dichloro-2-butene	11.213	88	137391	346.35	ug/L	#	76
72) 4-Chlorotoluene	11.281	91	1997680	258.99	ug/L		96
73) tert-Butylbenzene	11.438	91	1306531	271.82	ug/L		93
74) 1,2,4-Trimethylbenzene	11.491	105	2241897	238.96	ug/L		97
75) sec-Butylbenzene	11.577	105	2618349	236.15	ug/L		98
76) 4-Isopropyltoluene	11.686	119	2241474	226.65	ug/L		97
77) 1,3-Dichlorobenzene	11.742	146	1227652	197.42	ug/L		97
78) 1,4-Dichlorobenzene	11.809	146	1226500	192.20	ug/L		95
79) n-Butylbenzene	12.004	91	1828026	240.63	ug/L		97
80) 1,2-Dichlorobenzene	12.124	146	1204250	205.23	ug/L		97
81) 1,2-Dibromo-3-Chloropr...	12.735	157	260212	216.51	ug/L		87
82) Hexachlorobutadiene	13.268	223	149939	165.90	ug/L		93
83) 1,2,4-Trichlorobenzene	13.290	180	775861	192.43	ug/L		94
84) Naphthalene	13.564	128	2948679	254.11	ug/L		96
85) 1,2,3-Trichlorobenzene	13.732	180	754420	195.45	ug/L		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111419.D
Acq On : 14 Nov 2020 11:54 pm
Operator : TNL
Sample : 0K14006-CALB
Misc : 1X 5mL DI+MeOH 200 PPB
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 15 15:48:38 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111419.D
Acq On : 14 Nov 2020 11:54 pm
Operator : TNL
Sample : 0K14006-CALB
Misc : 1X 5mL DI+MeOH 200 PPB
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 15 15:48:38 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration

11/15/20 TNL

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (I)	6.130	99	249268	50.00	ug/L	# 0.00
43) Chlorobenzene-d5 (I)	9.838	117	622617	50.00	ug/L	0.00
63) 1,4-Dichlorobenzene-d4...	11.794	152	262477	50.00	ug/L	0.00
System Monitoring Compounds						
30) Dibromofluoromethane (S)	5.635	111	222182	43.15	ug/L	0.00
37) 1,4-Difluorobenzene (S)	6.692	114	780748	41.27	ug/L	0.00
45) Toluene-d8 (S)	8.214	98	821594	56.77	ug/L	0.00
64) 4-Bromofluorobenzene (S)	10.910	174	212955	47.31	ug/L	0.00
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.707	85	751876	232.07	ug/L	97
3) Chloromethane	1.917	50	742700	199.65	ug/L	99
4) Vinyl Chloride	2.003	62	372668	185.50	ug/L	96
5) Bromomethane	2.367	96	229377	130.93	ug/L	99
6) Chloroethane	2.513	64	144854	266.32	ug/L	100
7) Trichlorofluoromethane	2.659	101	251217	240.29	ug/L	97
8) Ethanol	0.000		0	N.D.	d	
9) 1,1-Dichloroethene	3.187	61	594120	283.61	ug/L	96
10) Carbon Disulfide	3.202	76	1055225	92.60	ug/L	97
11) Freon 113	3.240	101	503648	158.63	ug/L	95
12) Iodomethane	3.341	142	403379	126.11	ug/L	81
13) Methylene Chloride	3.817	84	699548	172.68	ug/L	91
14) Acetone	3.907	43	550909	427.42	ug/L	99
15) t-1,2-Dichloroethene	3.986	61	1032381	214.46	ug/L	91
16) n-Hexane	4.087	86	149403	185.52	ug/L #	86
17) Methyl-tert-butyl-ether	4.140	73	2482377	203.95	ug/L	93
18) tert-Butanol (TBA)	0.000		0	N.D.	d	
19) Diisopropyl ether (DIPE)	0.000		0	N.D.	d	
20) 1,1-Dichloroethane	4.616	63	1313488	206.36	ug/L	99
21) Acrylonitrile	4.668	53	344955	207.66	ug/L	99
22) Ethyl-tert-butyl ether...	0.000		0	N.D.	d	
23) c-1,2-Dichloroethene	5.167	61	1023120	208.63	ug/L	91
24) 2,2-Dichloropropane	5.279	77	915862	191.75	ug/L	89
25) Bromochloromethane	5.365	49	536817	205.45	ug/L	81
26) Chloroform	5.452	83	1440842	213.89	ug/L	95
27) Carbon Tetrachloride	5.598	117	1137308	241.71	ug/L	97
28) Tetrahydrofuran	5.628	42	292428	202.08	ug/L	89
29) 1,1,1-Trichloroethane	5.662	97	1349490	222.49	ug/L	95
31) 1,1-Dichloropropene	5.793	75	1057537	206.08	ug/L	99
32) 2-Butanone (MEK)	5.770	43	851065	424.04	ug/L	97
33) Benzene	6.044	78	3052281	176.09	ug/L	98
34) tert-Amyl methyl ether...	0.000		0	N.D.	d	
35) 1,2-Dichloroethane (EDC)	6.246	62	1106887	236.45	ug/L	100
36) iso-Butyl Alcohol	6.370	43	1267604	5476.01	ug/L	99
38) Trichloroethene (TCE)	6.666	130	942905	156.57	ug/L	99
39) tert-Amyl ethyl ether ...	0.000		0	N.D.	d	
40) Dibromomethane	7.105	93	538540	193.77	ug/L	93
41) 1,2-Dichloropropane	7.214	63	765725	198.35	ug/L	90

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111419.D
Acq On : 14 Nov 2020 11:54 pm
Operator : TNL
Sample : 0K14006-CALB
Misc : 1X 5mL DI+MeOH 200 PPB
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 15 15:48:38 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration

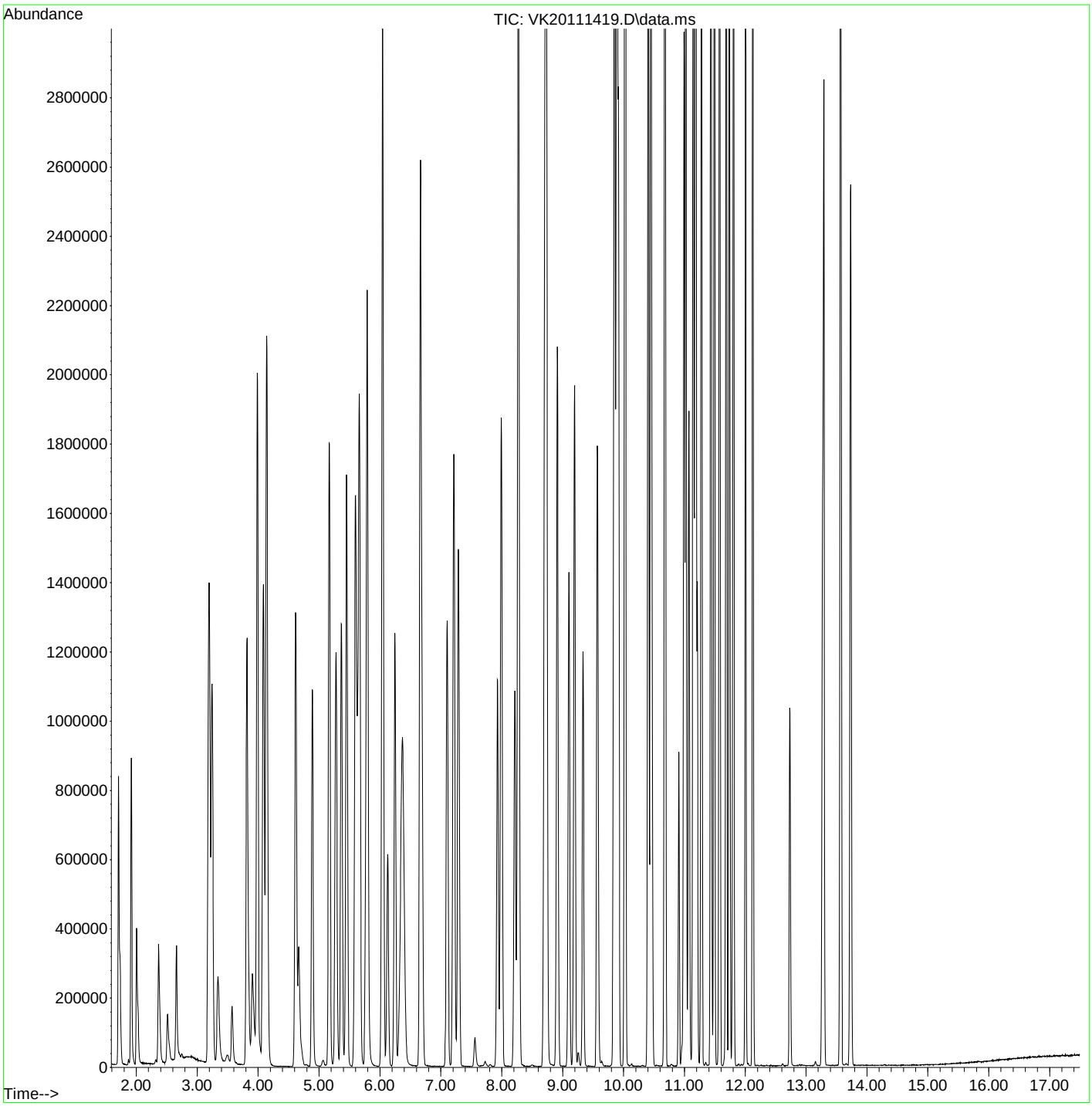
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) Bromodichloromethane	7.292	83	1094224	240.57	ug/L		97
44) c-1,3-Dichloropropene	7.993	75	1255734	287.94	ug/L		94
46) Toluene	8.274	91	3143879	217.01	ug/L		99
47) Tetrachloroethene (PCE)	8.724	166	759160	165.22	ug/L		89
48) 4-Methyl-2-Pentanone (...	8.705	43	1481444	527.45	ug/L		94
49) t-1,3-Dichloropropene	8.743	75	1089518	296.67	ug/L		98
50) 1,1,2-Trichloroethane	8.912	97	729104	225.47	ug/L		97
51) Dibromochloromethane	9.103	129	815677	290.77	ug/L		99
52) 1,3-Dichloropropane	9.197	76	1253553	249.23	ug/L		92
53) 1,2-Dibromoethane (EDB)	9.335	107	816596	236.47	ug/L		100
54) 2-Hexanone	9.571	43	1174682	593.98	ug/L		96
55) Chlorobenzene	9.853	112	1990792	200.72	ug/L		97
56) Ethylbenzene	9.890	91	3257978	221.78	ug/L		99
57) 1,1,1,2-Tetrachloroethane	9.916	131	731522	244.49	ug/L		99
58) m,p-Xylenes (2)	10.025	91	4643390	435.76	ug/L		96
59) o-Xylene	10.407	91	2500292	230.10	ug/L		96
60) Styrene	10.449	104	1813892	199.74	ug/L		94
61) Bromoform	10.467	173	454182	170.04	ug/L		96
62) Isopropylbenzene	10.681	105	3000545	216.45	ug/L		98
65) Bromobenzene	10.992	156	723248	196.70	ug/L		88
66) n-Propylbenzene	11.026	91	3244467	254.93	ug/L		98
67) 1,1,2,2-Tetrachloroethane	11.075	83	793433	274.91	ug/L		99
68) 2-Chlorotoluene	11.146	126	672699	222.27	ug/L		96
69) 1,3,5-Trimethylbenzene	11.183	105	2205954	242.03	ug/L		95
70) 1,2,3-Trichloropropane	11.176	110	285413	241.80	ug/L		85
71) t-1,4-Dichloro-2-butene	11.213	88	137391	346.35	ug/L	#	76
72) 4-Chlorotoluene	11.281	91	1997680	258.99	ug/L		96
73) tert-Butylbenzene	11.438	91	1306531	271.82	ug/L		93
74) 1,2,4-Trimethylbenzene	11.491	105	2241897	238.96	ug/L		97
75) sec-Butylbenzene	11.577	105	2618349	236.15	ug/L		98
76) 4-Isopropyltoluene	11.686	119	2241474	226.65	ug/L		97
77) 1,3-Dichlorobenzene	11.742	146	1227652	197.42	ug/L		97
78) 1,4-Dichlorobenzene	11.809	146	1226500	192.20	ug/L		95
79) n-Butylbenzene	12.004	91	1828026	240.63	ug/L		97
80) 1,2-Dichlorobenzene	12.124	146	1204250	205.23	ug/L		97
81) 1,2-Dibromo-3-Chloropr...	12.735	157	260212	216.51	ug/L		87
82) Hexachlorobutadiene	13.268	223	149939	165.90	ug/L		93
83) 1,2,4-Trichlorobenzene	13.290	180	775861	192.43	ug/L		94
84) Naphthalene	13.564	128	2948679	254.11	ug/L		96
85) 1,2,3-Trichlorobenzene	13.732	180	754420	195.45	ug/L		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111419.D
Acq On : 14 Nov 2020 11:54 pm
Operator : TNL
Sample : 0K14006-CALB
Misc : 1X 5mL DI+MeOH 200 PPB
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 15 15:48:38 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Tue Oct 13 13:07:05 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111420.D
Acq On : 15 Nov 2020 12:21 am
Operator : TNL
Sample : 0K14006-IBL8
Misc : 1X 5mL DI+MeOH
ALS Vial : 15 Sample Multiplier: 1

11/15/20 TNL

Quant Time: Nov 15 17:12:07 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Sun Nov 15 15:53:18 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.127	99	280683	50.00	ug/L	#	0.00
43) Chlorobenzene-d5 (I)	9.838	117	781149	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.794	152	333858	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.635	111	253662	50.21	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.693	114	884791	49.41	ug/L		0.00
45) Toluene-d8 (S)	8.214	98	949460	49.18	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.910	174	261753	49.91	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.707	85	2233	0.56	ug/L		94
3) Chloromethane	1.909	50	6300	1.45	ug/L		97
4) Vinyl Chloride	2.003	62	593	0.27	ug/L		88
5) Bromomethane	2.363	96	8228	5.95	ug/L		85
6) Chloroethane	2.513	64	115	0.15	ug/L	#	1
7) Trichlorofluoromethane	2.652	101	684	0.50	ug/L		79
8) Ethanol	3.416	45	459	Below Cal		#	29
9) 1,1-Dichloroethene	3.191	61	976	0.29	ug/L		85
10) Carbon Disulfide	3.206	76	6819	1.13	ug/L		93
11) Freon 113	3.244	101	1182	0.43	ug/L		93
12) Iodomethane	3.341	142	6600	7.58	ug/L		83
13) Methylene Chloride	3.817	84	3786	0.98	ug/L	#	81
14) Acetone	3.904	43	979	0.62	ug/L		99
15) t-1,2-Dichloroethene	3.990	61	2906	0.49	ug/L		90
16) n-Hexane	4.076	86	685	0.85	ug/L	#	22
20) 1,1-Dichloroethane	4.623	63	611	0.08	ug/L		86
23) c-1,2-Dichloroethene	5.174	61	1179	0.20	ug/L		90
25) Bromochloromethane	5.369	49	499	0.16	ug/L		82
26) Chloroform	5.444	83	939	0.11	ug/L		76
27) Carbon Tetrachloride	5.605	117	618	0.12	ug/L		90
28) Tetrahydrofuran	5.620	42	146	0.09	ug/L	#	52
31) 1,1-Dichloropropene	5.797	75	3044	0.50	ug/L		88
33) Benzene	6.037	78	2032	0.11	ug/L		91
36) iso-Butyl Alcohol	6.389	43	170	0.62	ug/L	#	1
38) Trichloroethene (TCE)	6.663	130	1971	0.37	ug/L		87
40) Dibromomethane	7.105	93	494	0.16	ug/L		85
42) Bromodichloromethane	7.292	83	619	0.12	ug/L	#	57
46) Toluene	8.271	91	5220	0.26	ug/L		76
47) Tetrachloroethene (PCE)	8.721	166	3422	0.72	ug/L		93
49) t-1,3-Dichloropropene	8.743	75	917	0.16	ug/L		69
53) 1,2-Dibromoethane (EDB)	9.335	107	390	0.08	ug/L	#	69
54) 2-Hexanone	9.575	43	393	0.12	ug/L	#	32
55) Chlorobenzene	9.856	112	3925	0.31	ug/L	#	69
56) Ethylbenzene	9.894	91	7422	0.35	ug/L		82
58) m,p-Xylenes (2)	10.025	91	12699	0.81	ug/L		93
59) o-Xylene	10.404	91	4672	0.29	ug/L		82
60) Styrene	10.449	104	3341	0.29	ug/L		98
61) Bromoform	10.467	173	87	0.25	ug/L	#	37

Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111420.D
Acq On : 15 Nov 2020 12:21 am
Operator : TNL
Sample : 0K14006-IBL8
Misc : 1X 5mL DI+MeOH
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 15 17:12:07 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Sun Nov 15 15:53:18 2020
Response via : Initial Calibration

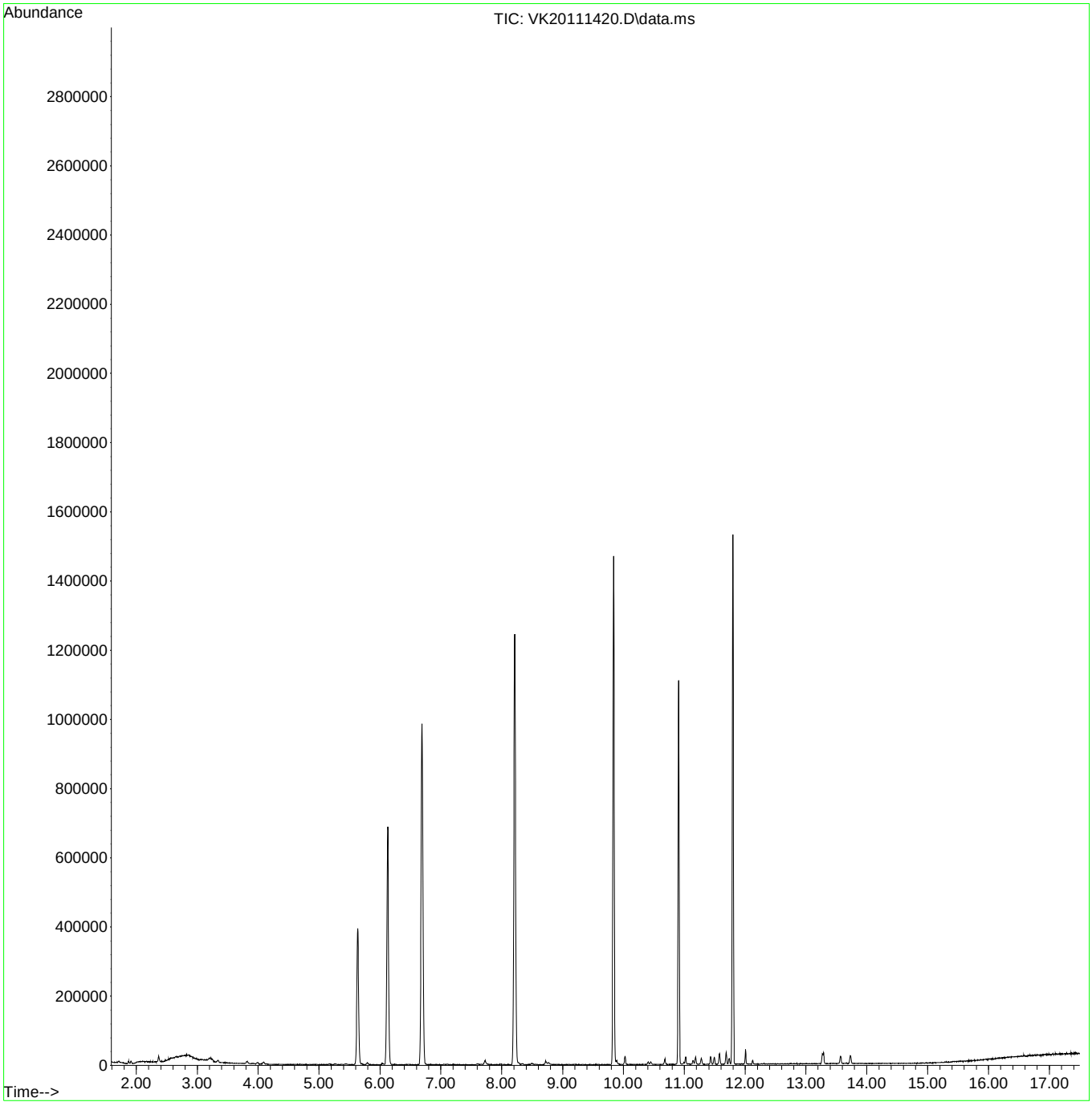
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
62) Isopropylbenzene	10.681	105	9097	0.46 ug/L	96
65) Bromobenzene	10.992	156	1654	0.35 ug/L	92
66) n-Propylbenzene	11.022	91	14505	0.67 ug/L	96
67) 1,1,2,2-Tetrachloroethane	11.078	83	407	0.08 ug/L #	24
68) 2-Chlorotoluene	11.146	126	2065	0.48 ug/L #	80
69) 1,3,5-Trimethylbenzene	11.183	105	9381	0.63 ug/L	84
72) 4-Chlorotoluene	11.277	91	8251	0.62 ug/L	88
73) tert-Butylbenzene	11.435	91	6281	0.71 ug/L	82
74) 1,2,4-Trimethylbenzene	11.491	105	9535	0.62 ug/L	90
75) sec-Butylbenzene	11.577	105	17437	0.99 ug/L	96
76) 4-Isopropyltoluene	11.686	119	16055	1.10 ug/L	97
77) 1,3-Dichlorobenzene	11.742	146	5864	0.73 ug/L	88
78) 1,4-Dichlorobenzene	11.806	146	5803	0.71 ug/L	85
79) n-Butylbenzene	12.004	91	19193	1.57 ug/L	96
80) 1,2-Dichlorobenzene	12.128	146	3609	0.48 ug/L	85
82) Hexachlorobutadiene	13.271	223	2984	3.48 ug/L #	75
83) 1,2,4-Trichlorobenzene	13.290	180	7673	1.67 ug/L	95
84) Naphthalene	13.568	128	17446	1.04 ug/L	94
85) 1,2,3-Trichlorobenzene	13.733	180	7146	1.63 ug/L	87

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111420.D
Acq On : 15 Nov 2020 12:21 am
Operator : TNL
Sample : 0K14006-IBL8
Misc : 1X 5mL DI+MeOH
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 15 17:12:07 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Sun Nov 15 15:53:18 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111421.D
Acq On : 15 Nov 2020 12:49 am
Operator : TNL
Sample : 0K14006-IBL9
Misc : 1X 5mL DI+MeOH
ALS Vial : 16 Sample Multiplier: 1

11/15/20 TNL

Quant Time: Nov 15 17:12:28 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Sun Nov 15 15:53:18 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.127	99	278933	50.00	ug/L	#	0.00
43) Chlorobenzene-d5 (I)	9.838	117	770402	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.795	152	329637	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.636	111	250932	49.98	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.693	114	882223	49.57	ug/L		0.00
45) Toluene-d8 (S)	8.215	98	935551	49.14	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.906	174	256519	49.53	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.703	85	858	0.22	ug/L		92
3) Chloromethane	1.909	50	4240	0.98	ug/L		96
5) Bromomethane	2.363	96	5789	4.21	ug/L		94
6) Chloroethane	2.513	64	142	0.18	ug/L	#	1
7) Trichlorofluoromethane	2.655	101	242	0.18	ug/L	#	65
8) Ethanol	3.431	45	527	Below Cal		#	29
10) Carbon Disulfide	3.203	76	2985	0.50	ug/L		89
11) Freon 113	3.244	101	491	0.18	ug/L		83
12) Iodomethane	3.334	142	3892	4.88	ug/L		82
13) Methylene Chloride	3.814	84	3382	0.88	ug/L		89
14) Acetone	3.904	43	1394	0.90	ug/L		91
15) t-1,2-Dichloroethene	3.990	61	1094	0.18	ug/L		72
16) n-Hexane	4.091	86	312	0.39	ug/L	#	10
23) c-1,2-Dichloroethene	5.163	61	490	0.08	ug/L	#	62
31) 1,1-Dichloropropene	5.800	75	1273	0.21	ug/L		83
36) iso-Butyl Alcohol	6.396	43	138	0.51	ug/L		81
38) Trichloroethene (TCE)	6.670	130	735	0.14	ug/L	#	55
46) Toluene	8.267	91	2721	0.14	ug/L		96
47) Tetrachloroethene (PCE)	8.721	166	1525	0.33	ug/L		76
55) Chlorobenzene	9.856	112	1709	0.13	ug/L	#	46
56) Ethylbenzene	9.890	91	2852	0.14	ug/L		91
58) m,p-Xylenes (2)	10.025	91	4805	0.31	ug/L		80
59) o-Xylene	10.408	91	1864	0.12	ug/L		72
60) Styrene	10.453	104	1182	0.10	ug/L		78
62) Isopropylbenzene	10.681	105	3111	0.16	ug/L		92
65) Bromobenzene	10.989	156	550	0.12	ug/L		84
66) n-Propylbenzene	11.022	91	5471	0.26	ug/L		96
68) 2-Chlorotoluene	11.154	126	729	0.17	ug/L	#	66
69) 1,3,5-Trimethylbenzene	11.184	105	2902	0.20	ug/L		95
72) 4-Chlorotoluene	11.281	91	3259	0.25	ug/L		90
73) tert-Butylbenzene	11.435	91	1851	0.21	ug/L		79
74) 1,2,4-Trimethylbenzene	11.491	105	3085	0.20	ug/L		89
75) sec-Butylbenzene	11.577	105	5362	0.31	ug/L		93
76) 4-Isopropyltoluene	11.690	119	5339	0.37	ug/L		88
77) 1,3-Dichlorobenzene	11.742	146	2170	0.27	ug/L		93
78) 1,4-Dichlorobenzene	11.806	146	2152	0.27	ug/L	#	53
79) n-Butylbenzene	12.004	91	7053	0.58	ug/L		98
80) 1,2-Dichlorobenzene	12.124	146	1143	0.15	ug/L		92

Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111421.D
Acq On : 15 Nov 2020 12:49 am
Operator : TNL
Sample : 0K14006-IBL9
Misc : 1X 5mL DI+MeOH
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 15 17:12:28 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Sun Nov 15 15:53:18 2020
Response via : Initial Calibration

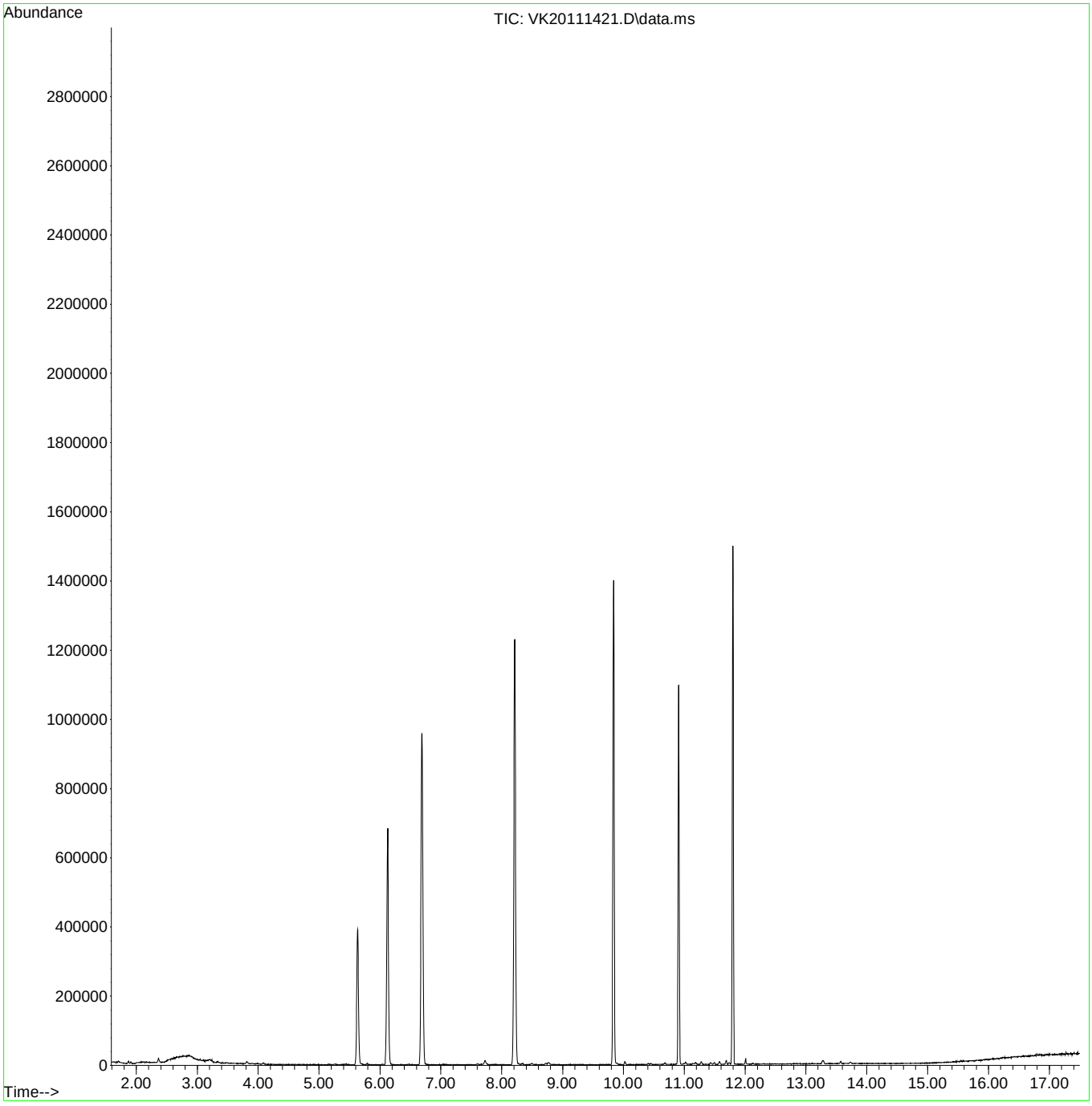
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
82) Hexachlorobutadiene	13.264	223	941	1.11 ug/L	79
83) 1,2,4-Trichlorobenzene	13.294	180	2603	0.57 ug/L	91
84) Naphthalene	13.568	128	5115	0.31 ug/L	96
85) 1,2,3-Trichlorobenzene	13.733	180	2018	0.47 ug/L	88

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111421.D
Acq On : 15 Nov 2020 12:49 am
Operator : TNL
Sample : 0K14006-IBL9
Misc : 1X 5mL DI+MeOH
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 15 17:12:28 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Sun Nov 15 15:53:18 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111422.D
Acq On : 15 Nov 2020 01:16 am
Operator : TNL
Sample : 0K14006-ICV1
Misc : 1X 5mL DI+MeOH 20-40PPB VOCRO
ALS Vial : 17 Sample Multiplier: 1

11/15/20 TNL

Quant Time: Nov 15 17:12:40 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Sun Nov 15 15:53:18 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.127	99	261494	50.00	ug/L	#	0.00
43) Chlorobenzene-d5 (I)	9.838	117	709072	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.794	152	305901	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.635	111	241239	51.25	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.693	114	822910	49.32	ug/L		0.00
45) Toluene-d8 (S)	8.214	98	872149	49.77	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.906	174	237369	49.39	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.703	85	94825	25.58	ug/L		98
3) Chloromethane	1.909	50	86484	21.32	ug/L		99
4) Vinyl Chloride	1.999	62	39082	19.10	ug/L		95
5) Bromomethane	2.363	96	28350	22.00	ug/L		95
6) Chloroethane	2.505	64	14127	19.14	ug/L		85
7) Trichlorofluoromethane	2.655	101	25845	20.24	ug/L		98
8) Ethanol	3.461	45	79460	1366.40	ug/L		82
9) 1,1-Dichloroethene	3.188	61	56581	18.31	ug/L		95
10) Carbon Disulfide	3.203	76	97702	17.35	ug/L		97
11) Freon 113	3.244	101	49539	19.30	ug/L		90
12) Iodomethane	3.334	142	18292	19.07	ug/L		78
13) Methylene Chloride	3.817	84	73937	20.59	ug/L		89
14) Acetone	3.904	43	57053	39.09	ug/L		100
15) t-1,2-Dichloroethene	3.986	61	104102	18.75	ug/L		90
16) n-Hexane	4.087	86	14571	19.32	ug/L	#	89
17) Methyl-tert-butyl-ether	4.136	73	252995	18.47	ug/L		94
18) tert-Butanol (TBA)	4.368	59	865860	1229.96	ug/L	#	82
19) Diisopropyl ether (DIPE)	4.537	45	57640	5.17	ug/L		92
20) 1,1-Dichloroethane	4.616	63	133208	19.06	ug/L		97
21) Acrylonitrile	4.665	53	34143	19.01	ug/L		95
22) Ethyl-tert-butyl ether...	4.904	59	61434	5.01	ug/L		98
23) c-1,2-Dichloroethene	5.167	61	105373	19.36	ug/L		92
24) 2,2-Dichloropropane	5.279	77	86639	18.05	ug/L		94
25) Bromochloromethane	5.366	49	57749	19.51	ug/L		80
26) Chloroform	5.452	83	144289	18.61	ug/L		96
27) Carbon Tetrachloride	5.598	117	95146	19.30	ug/L		99
28) Tetrahydrofuran	5.628	42	29869	19.70	ug/L		88
29) 1,1,1-Trichloroethane	5.662	97	128160	19.15	ug/L		95
31) 1,1-Dichloropropene	5.789	75	109310	19.30	ug/L		97
32) 2-Butanone (MEK)	5.770	43	87025	41.24	ug/L		96
33) Benzene	6.044	78	320164	18.68	ug/L		97
34) tert-Amyl methyl ether...	6.190	73	58794	4.71	ug/L		92
35) 1,2-Dichloroethane (EDC)	6.246	62	108813	19.27	ug/L		97
36) iso-Butyl Alcohol	6.355	43	121546	477.19	ug/L		95
38) Trichloroethene (TCE)	6.663	130	96488	19.19	ug/L		97
39) tert-Amyl ethyl ether ...	6.947	59	46334	5.20	ug/L		99
40) Dibromomethane	7.105	93	53819	18.74	ug/L		95
41) 1,2-Dichloropropane	7.210	63	77807	18.96	ug/L		93

Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111422.D
Acq On : 15 Nov 2020 01:16 am
Operator : TNL
Sample : 0K14006-ICV1
Misc : 1X 5mL DI+MeOH 20-40PPB VOCRO
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 15 17:12:40 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Sun Nov 15 15:53:18 2020
Response via : Initial Calibration

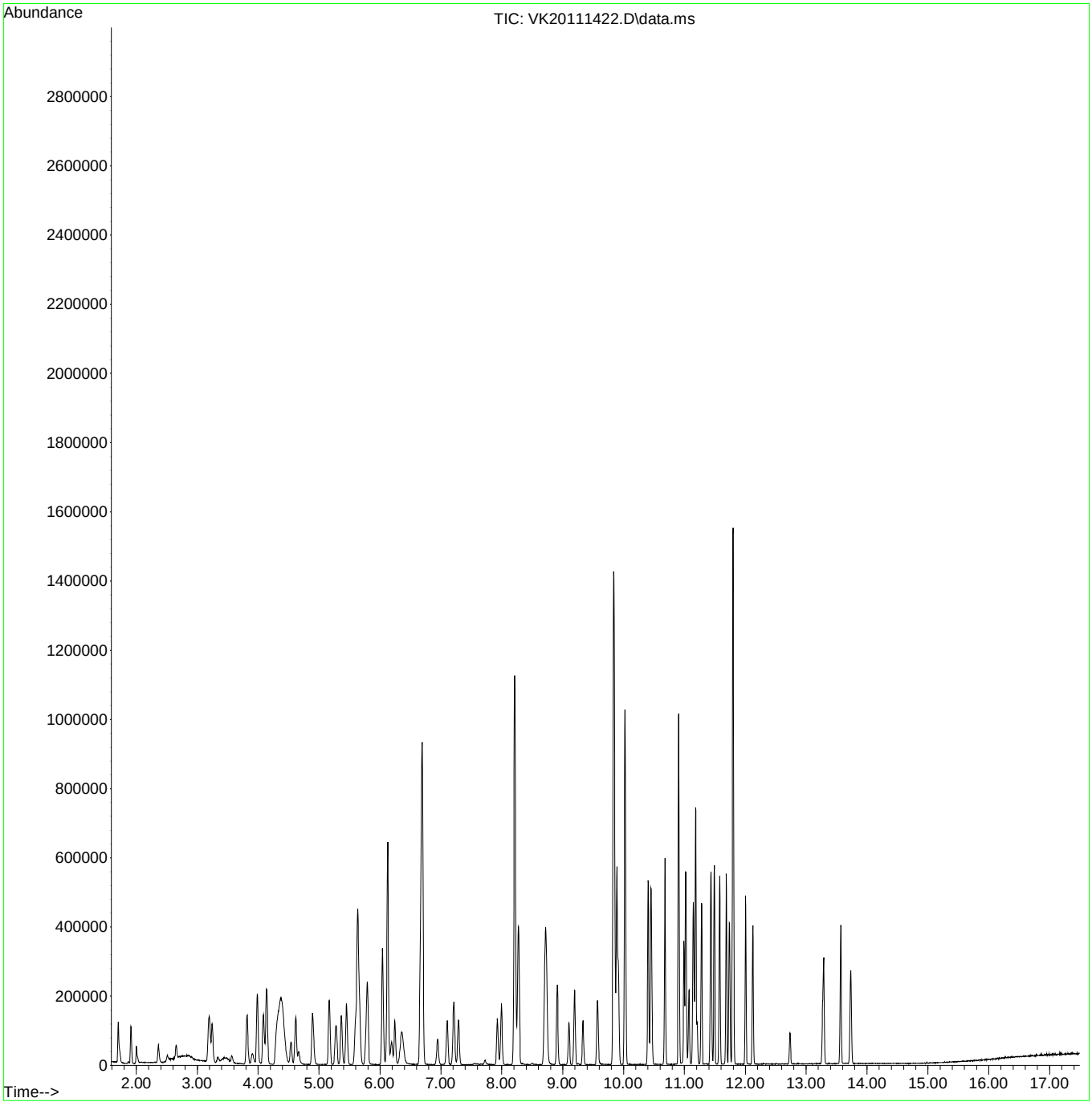
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
42) Bromodichloromethane	7.292	83	94173	19.65 ug/L	98
44) c-1,3-Dichloropropene	7.997	75	115470	19.75 ug/L	91
46) Toluene	8.274	91	341035	18.63 ug/L	100
47) Tetrachloroethene (PCE)	8.724	166	82939	19.21 ug/L	87
48) 4-Methyl-2-Pentanone (...	8.702	43	166873	38.64 ug/L	90
49) t-1,3-Dichloropropene	8.739	75	104509	20.30 ug/L	97
50) 1,1,2-Trichloroethane	8.912	97	78580	18.57 ug/L	95
51) Dibromochloromethane	9.103	129	68155	22.50 ug/L	98
52) 1,3-Dichloropropane	9.193	76	135277	19.47 ug/L	93
53) 1,2-Dibromoethane (EDB)	9.335	107	84047	19.97 ug/L	96
54) 2-Hexanone	9.572	43	118726	39.67 ug/L	99
55) Chlorobenzene	9.853	112	223218	19.16 ug/L	98
56) Ethylbenzene	9.890	91	369760	19.23 ug/L	97
57) 1,1,1,2-Tetrachloroethane	9.916	131	71093	20.65 ug/L	95
58) m,p-Xylenes (2)	10.025	91	544383	38.39 ug/L	97
59) o-Xylene	10.404	91	280545	18.89 ug/L	96
60) Styrene	10.449	104	217802	20.54 ug/L	97
61) Bromoform	10.464	173	36817	19.97 ug/L	94
62) Isopropylbenzene	10.681	105	343953	19.29 ug/L	99
65) Bromobenzene	10.992	156	84924	19.48 ug/L	90
66) n-Propylbenzene	11.022	91	376154	19.06 ug/L	99
67) 1,1,2,2-Tetrachloroethane	11.075	83	88956	19.87 ug/L	96
68) 2-Chlorotoluene	11.146	126	78646	19.96 ug/L	96
69) 1,3,5-Trimethylbenzene	11.183	105	255675	18.86 ug/L	98
70) 1,2,3-Trichloropropane	11.180	110	33617	19.83 ug/L	95
71) t-1,4-Dichloro-2-butene	11.213	88	10961	19.82 ug/L #	78
72) 4-Chlorotoluene	11.277	91	231401	18.98 ug/L	97
73) tert-Butylbenzene	11.438	91	151978	18.86 ug/L	94
74) 1,2,4-Trimethylbenzene	11.491	105	263252	18.77 ug/L	99
75) sec-Butylbenzene	11.577	105	311830	19.40 ug/L	98
76) 4-Isopropyltoluene	11.686	119	260835	19.47 ug/L	97
77) 1,3-Dichlorobenzene	11.738	146	143948	19.55 ug/L	93
78) 1,4-Dichlorobenzene	11.806	146	142660	19.10 ug/L	94
79) n-Butylbenzene	12.004	91	212102	18.88 ug/L	98
80) 1,2-Dichlorobenzene	12.124	146	135455	19.68 ug/L	96
81) 1,2-Dibromo-3-Chloropr...	12.732	157	20681	21.75 ug/L	88
82) Hexachlorobutadiene	13.268	223	15593	19.83 ug/L	91
83) 1,2,4-Trichlorobenzene	13.290	180	80242	19.02 ug/L	97
84) Naphthalene	13.568	128	299845	19.60 ug/L	96
85) 1,2,3-Trichlorobenzene	13.732	180	77926	19.45 ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111422.D
Acq On : 15 Nov 2020 01:16 am
Operator : TNL
Sample : 0K14006-ICV1
Misc : 1X 5mL DI+MeOH 20-40PPB VOCRO
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 15 17:12:40 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Sun Nov 15 15:53:18 2020
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111422.D
Acq On : 15 Nov 2020 01:16 am
Operator : TNL
Sample : 0K14006-ICV1
Misc : 1X 5mL DI+MeOH 20-40PPB VOCRO
ALS Vial : 17 Sample Multiplier: 1

11/15/20 TNL

Quant Time: Nov 15 17:12:40 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Sun Nov 15 15:53:18 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.127	99	261494	50.00	ug/L	#	0.00
43) Chlorobenzene-d5 (I)	9.838	117	709072	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.794	152	305901	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.635	111	241239	51.25	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.693	114	822910	49.32	ug/L		0.00
45) Toluene-d8 (S)	8.214	98	872149	49.77	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.906	174	237369	49.39	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.703	85	94825	25.58	ug/L		98
3) Chloromethane	1.909	50	86484	21.32	ug/L		99
4) Vinyl Chloride	1.999	62	39082	19.10	ug/L		95
5) Bromomethane	2.363	96	28350	22.00	ug/L		95
6) Chloroethane	2.505	64	14127	19.14	ug/L		85
7) Trichlorofluoromethane	2.655	101	25845	20.24	ug/L		98
8) Ethanol	3.461	45	79460	1366.40	ug/L		82
9) 1,1-Dichloroethene	3.188	61	56581	18.31	ug/L		95
10) Carbon Disulfide	3.203	76	97702	17.35	ug/L		97
11) Freon 113	3.244	101	49539	19.30	ug/L		90
12) Iodomethane	3.334	142	18292	19.07	ug/L		78
13) Methylene Chloride	3.817	84	73937	20.59	ug/L		89
14) Acetone	3.904	43	57053	39.09	ug/L		100
15) t-1,2-Dichloroethene	3.986	61	104102	18.75	ug/L		90
16) n-Hexane	4.087	86	14571	19.32	ug/L	#	89
17) Methyl-tert-butyl-ether	4.136	73	252995	18.47	ug/L		94
18) tert-Butanol (TBA)	4.368	59	865860	1229.96	ug/L	#	82
19) Diisopropyl ether (DIPE)	4.537	45	57640	5.17	ug/L		92
20) 1,1-Dichloroethane	4.616	63	133208	19.06	ug/L		97
21) Acrylonitrile	4.665	53	34143	19.01	ug/L		95
22) Ethyl-tert-butyl ether...	4.904	59	61434	5.01	ug/L		98
23) c-1,2-Dichloroethene	5.167	61	105373	19.36	ug/L		92
24) 2,2-Dichloropropane	5.279	77	86639	18.05	ug/L		94
25) Bromochloromethane	5.366	49	57749	19.51	ug/L		80
26) Chloroform	5.452	83	144289	18.61	ug/L		96
27) Carbon Tetrachloride	5.598	117	95146	19.30	ug/L		99
28) Tetrahydrofuran	5.628	42	29869	19.70	ug/L		88
29) 1,1,1-Trichloroethane	5.662	97	128160	19.15	ug/L		95
31) 1,1-Dichloropropene	5.789	75	109310	19.30	ug/L		97
32) 2-Butanone (MEK)	5.770	43	87025	41.24	ug/L		96
33) Benzene	6.044	78	320164	18.68	ug/L		97
34) tert-Amyl methyl ether...	6.190	73	58794	4.71	ug/L		92
35) 1,2-Dichloroethane (EDC)	6.246	62	108813	19.27	ug/L		97
36) iso-Butyl Alcohol	6.355	43	121546	477.19	ug/L		95
38) Trichloroethene (TCE)	6.663	130	96488	19.19	ug/L		97
39) tert-Amyl ethyl ether ...	6.947	59	46334	5.20	ug/L		99
40) Dibromomethane	7.105	93	53819	18.74	ug/L		95
41) 1,2-Dichloropropane	7.210	63	77807	18.96	ug/L		93

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111422.D
Acq On : 15 Nov 2020 01:16 am
Operator : TNL
Sample : 0K14006-ICV1
Misc : 1X 5mL DI+MeOH 20-40PPB VOCRO
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 15 17:12:40 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Sun Nov 15 15:53:18 2020
Response via : Initial Calibration

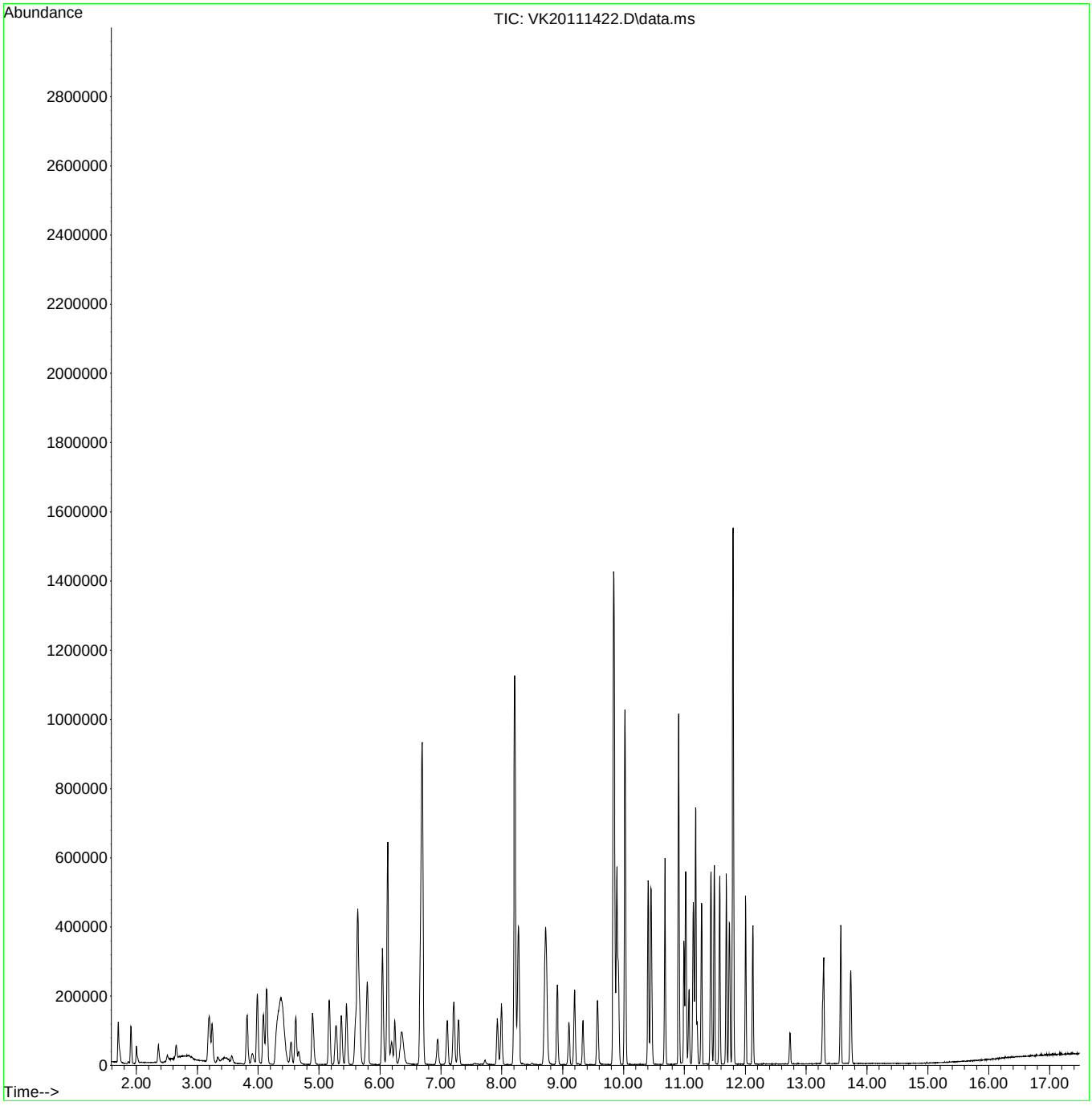
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
42) Bromodichloromethane	7.292	83	94173	19.65 ug/L	98
44) c-1,3-Dichloropropene	7.997	75	115470	19.75 ug/L	91
46) Toluene	8.274	91	341035	18.63 ug/L	100
47) Tetrachloroethene (PCE)	8.724	166	82939	19.21 ug/L	87
48) 4-Methyl-2-Pentanone (...	8.702	43	166873	38.64 ug/L	90
49) t-1,3-Dichloropropene	8.739	75	104509	20.30 ug/L	97
50) 1,1,2-Trichloroethane	8.912	97	78580	18.57 ug/L	95
51) Dibromochloromethane	9.103	129	68155	22.50 ug/L	98
52) 1,3-Dichloropropane	9.193	76	135277	19.47 ug/L	93
53) 1,2-Dibromoethane (EDB)	9.335	107	84047	19.97 ug/L	96
54) 2-Hexanone	9.572	43	118726	39.67 ug/L	99
55) Chlorobenzene	9.853	112	223218	19.16 ug/L	98
56) Ethylbenzene	9.890	91	369760	19.23 ug/L	97
57) 1,1,1,2-Tetrachloroethane	9.916	131	71093	20.65 ug/L	95
58) m,p-Xylenes (2)	10.025	91	544383	38.39 ug/L	97
59) o-Xylene	10.404	91	280545	18.89 ug/L	96
60) Styrene	10.449	104	217802	20.54 ug/L	97
61) Bromoform	10.464	173	36817	19.97 ug/L	94
62) Isopropylbenzene	10.681	105	343953	19.29 ug/L	99
65) Bromobenzene	10.992	156	84924	19.48 ug/L	90
66) n-Propylbenzene	11.022	91	376154	19.06 ug/L	99
67) 1,1,2,2-Tetrachloroethane	11.075	83	88956	19.87 ug/L	96
68) 2-Chlorotoluene	11.146	126	78646	19.96 ug/L	96
69) 1,3,5-Trimethylbenzene	11.183	105	255675	18.86 ug/L	98
70) 1,2,3-Trichloropropane	11.180	110	33617	19.83 ug/L	95
71) t-1,4-Dichloro-2-butene	11.213	88	10961	19.82 ug/L #	78
72) 4-Chlorotoluene	11.277	91	231401	18.98 ug/L	97
73) tert-Butylbenzene	11.438	91	151978	18.86 ug/L	94
74) 1,2,4-Trimethylbenzene	11.491	105	263252	18.77 ug/L	99
75) sec-Butylbenzene	11.577	105	311830	19.40 ug/L	98
76) 4-Isopropyltoluene	11.686	119	260835	19.47 ug/L	97
77) 1,3-Dichlorobenzene	11.738	146	143948	19.55 ug/L	93
78) 1,4-Dichlorobenzene	11.806	146	142660	19.10 ug/L	94
79) n-Butylbenzene	12.004	91	212102	18.88 ug/L	98
80) 1,2-Dichlorobenzene	12.124	146	135455	19.68 ug/L	96
81) 1,2-Dibromo-3-Chloropr...	12.732	157	20681	21.75 ug/L	88
82) Hexachlorobutadiene	13.268	223	15593	19.83 ug/L	91
83) 1,2,4-Trichlorobenzene	13.290	180	80242	19.02 ug/L	97
84) Naphthalene	13.568	128	299845	19.60 ug/L	96
85) 1,2,3-Trichlorobenzene	13.732	180	77926	19.45 ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111422.D
Acq On : 15 Nov 2020 01:16 am
Operator : TNL
Sample : 0K14006-ICV1
Misc : 1X 5mL DI+MeOH 20-40PPB VOCRO
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 15 17:12:40 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Sun Nov 15 15:53:18 2020
Response via : Initial Calibration



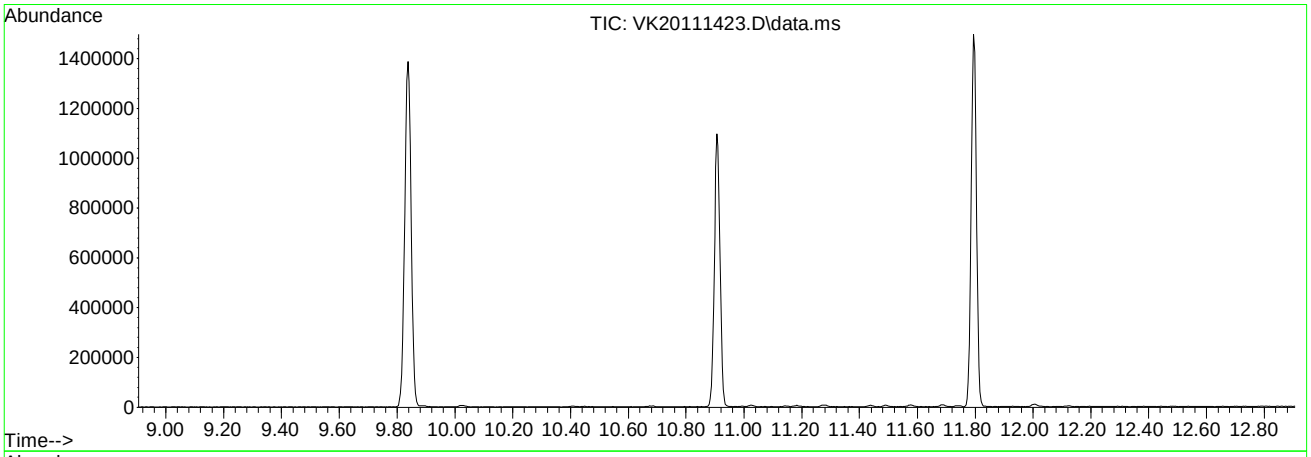
BFB

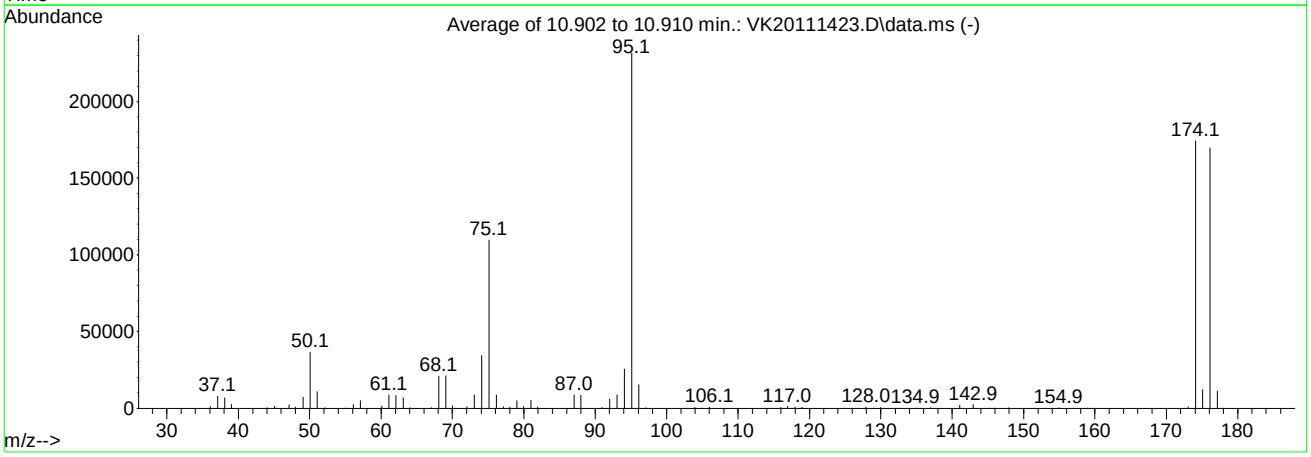
Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111423.D
Acq On : 15 Nov 2020 01:44 am
Operator : TNL
Sample : 0K14006-TUN2
Misc : 1X 5mL BFB (IS/SURR)
ALS Vial : 18 Sample Multiplier: 1

11/15/20 TNL

Integration File: RTEINT.P

Method : C:\GCMS\1\methods\VK201115S.M
Title : EPA 8260C: Volatile Organic Compounds
Last Update : Sun Nov 15 15:53:18 2020





AutoFind: Scans 2485, 2486, 2487; Background Corrected with Scan 2474

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	174	50	200	132.8	231680	PASS
96	95	5	9	6.7	15532	PASS
173	174	0.00	2	0.6	1118	PASS
174	95	50	200	75.3	174421	PASS
175	174	5	9	7.1	12364	PASS
176	174	95	105	97.4	169941	PASS
177	176	5	10	6.7	11349	PASS

Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111423.D
Acq On : 15 Nov 2020 01:44 am
Operator : TNL
Sample : 0K14006-TUN2
Misc : 1X 5mL BFB (IS/SURR)
ALS Vial : 18 Sample Multiplier: 1

11/15/20 TNL

Quant Time: Nov 15 17:13:18 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Sun Nov 15 15:53:18 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.123	99	273537	50.00	ug/L	#	0.00
43) Chlorobenzene-d5 (I)	9.838	117	754246	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.794	152	325747	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.632	111	244079	49.57	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.689	114	859090	49.22	ug/L		0.00
45) Toluene-d8 (S)	8.214	98	919316	49.32	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.906	174	252823	49.40	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.692	85	668	0.17	ug/L		90
3) Chloromethane	1.902	50	2450	0.58	ug/L		93
5) Bromomethane	2.359	96	3491	2.59	ug/L		94
8) Ethanol	3.439	45	863	Below Cal		#	29
10) Carbon Disulfide	3.206	76	2066	0.35	ug/L		75
11) Freon 113	3.248	101	286	0.11	ug/L		77
12) Iodomethane	3.334	142	2296	3.23	ug/L		97
13) Methylene Chloride	3.814	84	5268	1.40	ug/L	#	71
14) Acetone	3.892	43	2792	1.83	ug/L		82
15) t-1,2-Dichloroethene	3.979	61	775	0.13	ug/L		70
16) n-Hexane	4.087	86	87	0.11	ug/L	#	47
18) tert-Butanol (TBA)	4.353	59	699	0.95	ug/L	#	14
28) Tetrahydrofuran	5.639	42	200	0.13	ug/L	#	44
31) 1,1-Dichloropropene	5.793	75	931	0.16	ug/L		79
36) iso-Butyl Alcohol	6.396	43	165	0.62	ug/L		82
47) Tetrachloroethene (PCE)	8.724	166	848	0.18	ug/L		68
56) Ethylbenzene	9.886	91	2118	0.10	ug/L		82
58) m,p-Xylenes (2)	10.025	91	3369	0.22	ug/L		84
59) o-Xylene	10.407	91	1269	0.08	ug/L		92
62) Isopropylbenzene	10.681	105	2143	0.11	ug/L		90
65) Bromobenzene	10.992	156	394	0.08	ug/L		83
66) n-Propylbenzene	11.022	91	3541	0.17	ug/L		85
68) 2-Chlorotoluene	11.153	126	611	0.15	ug/L	#	47
69) 1,3,5-Trimethylbenzene	11.183	105	2321	0.16	ug/L		74
72) 4-Chlorotoluene	11.277	91	2122	0.16	ug/L		92
73) tert-Butylbenzene	11.435	91	1522	0.18	ug/L	#	62
74) 1,2,4-Trimethylbenzene	11.491	105	2344	0.16	ug/L		96
75) sec-Butylbenzene	11.577	105	4034	0.24	ug/L		91
76) 4-Isopropyltoluene	11.686	119	3868	0.27	ug/L		78
77) 1,3-Dichlorobenzene	11.742	146	1387	0.18	ug/L		98
78) 1,4-Dichlorobenzene	11.809	146	1595	0.20	ug/L	#	44
79) n-Butylbenzene	12.008	91	5035	0.42	ug/L		90
80) 1,2-Dichlorobenzene	12.124	146	909	0.12	ug/L		97
82) Hexachlorobutadiene	13.268	223	713	0.85	ug/L	#	69
83) 1,2,4-Trichlorobenzene	13.286	180	1698	0.38	ug/L		96
84) Naphthalene	13.564	128	4248	0.26	ug/L		99
85) 1,2,3-Trichlorobenzene	13.729	180	1577	0.37	ug/L		91

Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111423.D
Acq On : 15 Nov 2020 01:44 am
Operator : TNL
Sample : 0K14006-TUN2
Misc : 1X 5mL BFB (IS/SURR)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 15 17:13:18 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Sun Nov 15 15:53:18 2020
Response via : Initial Calibration

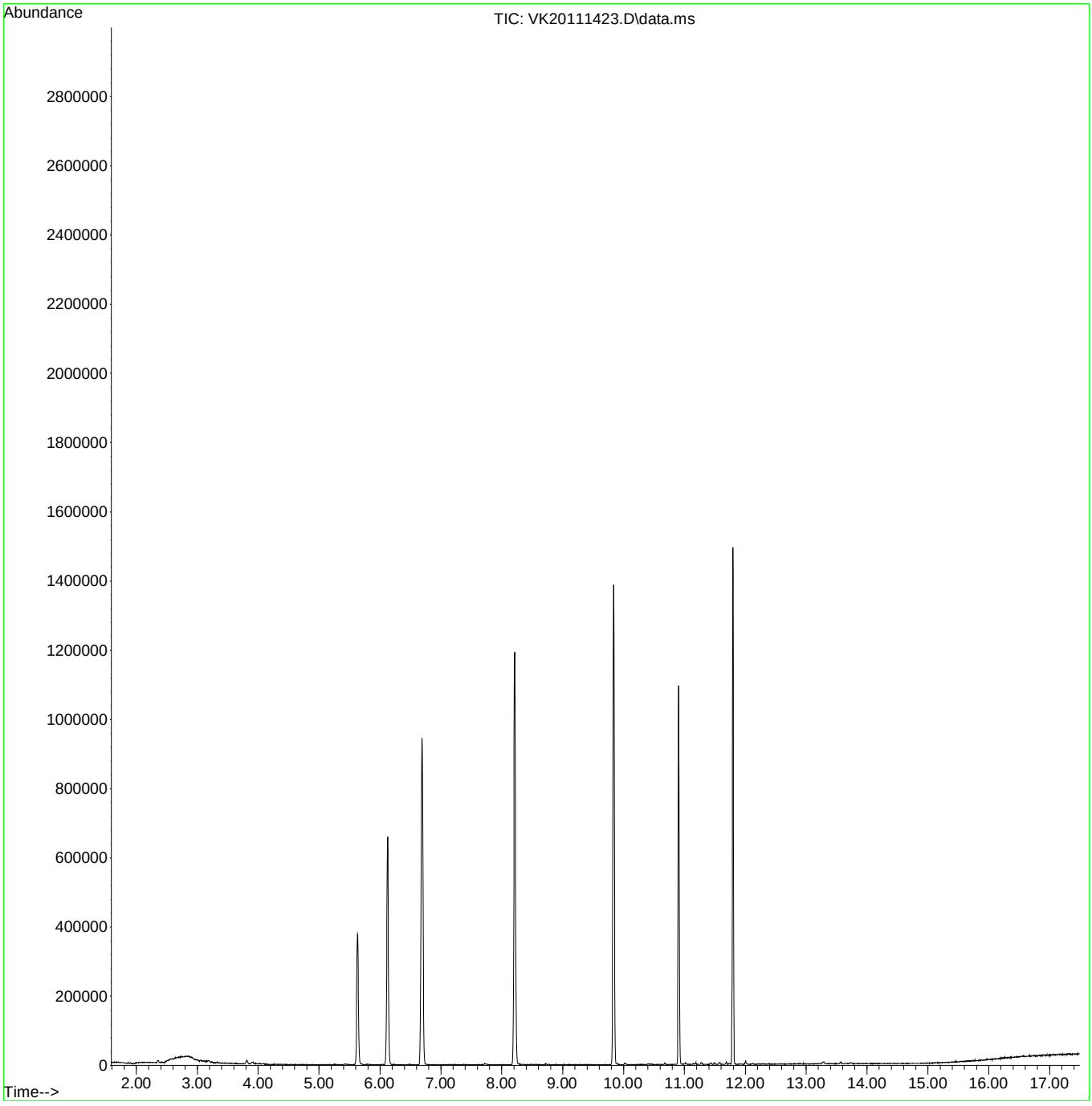
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111423.D
Acq On : 15 Nov 2020 01:44 am
Operator : TNL
Sample : 0K14006-TUN2
Misc : 1X 5mL BFB (IS/SURR)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 15 17:13:18 2020
Quant Method : C:\GCMS\1\methods\VK201115S.M
Quant Title : EPA 8260C: Volatile Organic Compounds
QLast Update : Sun Nov 15 15:53:18 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111424.D
Acq On : 15 Nov 2020 02:11 am
Operator : TNL
Sample : 0K14006-ICB2
Misc : 1X 5mL DI+MeOH
ALS Vial : 19 Sample Multiplier: 1

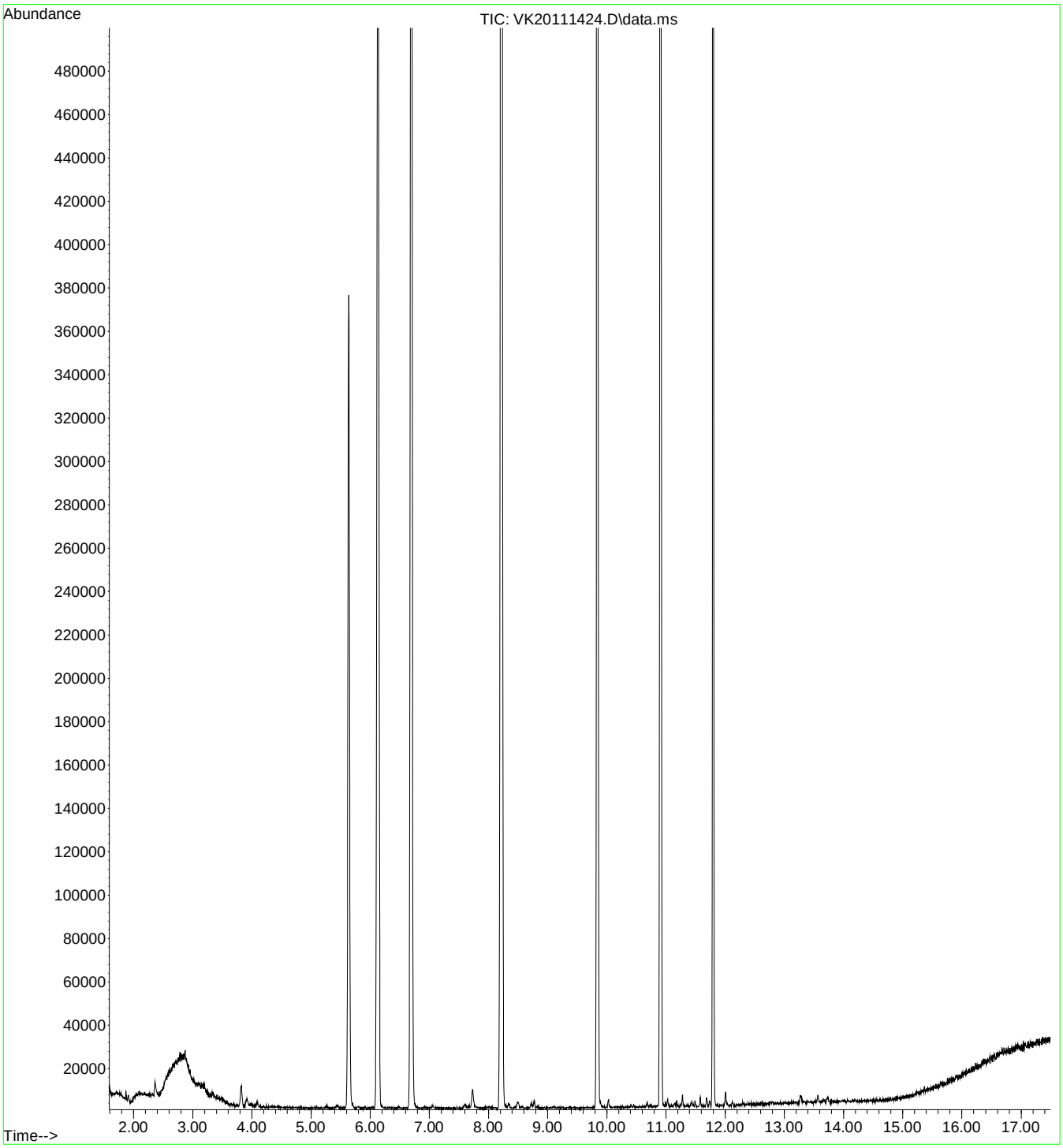
11/15/20 TNL

Quant Time: Nov 15 17:13:57 2020
Quant Method : C:\GCMS\1\methods\VK201115G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sun Nov 15 16:34:17 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.130	168	472391	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.692	114	857812	50.20	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.906	174	251606	49.56	ug/L	0.00
9) Toluene-d8 (NR)	8.214	98	910404	0.00	ug/L	0.00
11) Chlorobenzene-d5 (NR)	9.838	117	754456	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.794	150	518426	0.00	ug/L	0.00
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.883	TIC	251022m	Below Cal		
5) TPHg (C5-C9)	9.883	TIC	1017414m	Below Cal		
6) TPHg (C6-C10)	9.883	TIC	959275m	Below Cal		
7) CA-LUFT (C5-C12)	9.883	TIC	1082155m	Below Cal		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

File :C:\GCMS\1\data\2020-11\0K14006\VK20111424.D
Operator : TNL
Acquired : 15 Nov 2020 02:11 am using AcqMethod VK2004RUN.M
Instrument : VOA-GCMS11
Sample Name: 0K14006-ICB2
Misc Info : 1X 5mL DI+MeOH
Vial Number: 19



Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111425.D
Acq On : 15 Nov 2020 02:38 am
Operator : TNL
Sample : 0K14006-RT1
Misc : 1X 5mL DI+MeOH A20I121
ALS Vial : 20 Sample Multiplier: 1

11/15/20 TNL

Quant Time: Nov 15 17:14:12 2020
Quant Method : C:\GCMS\1\methods\VK201115G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sun Nov 15 16:34:17 2020
Response via : Initial Calibration

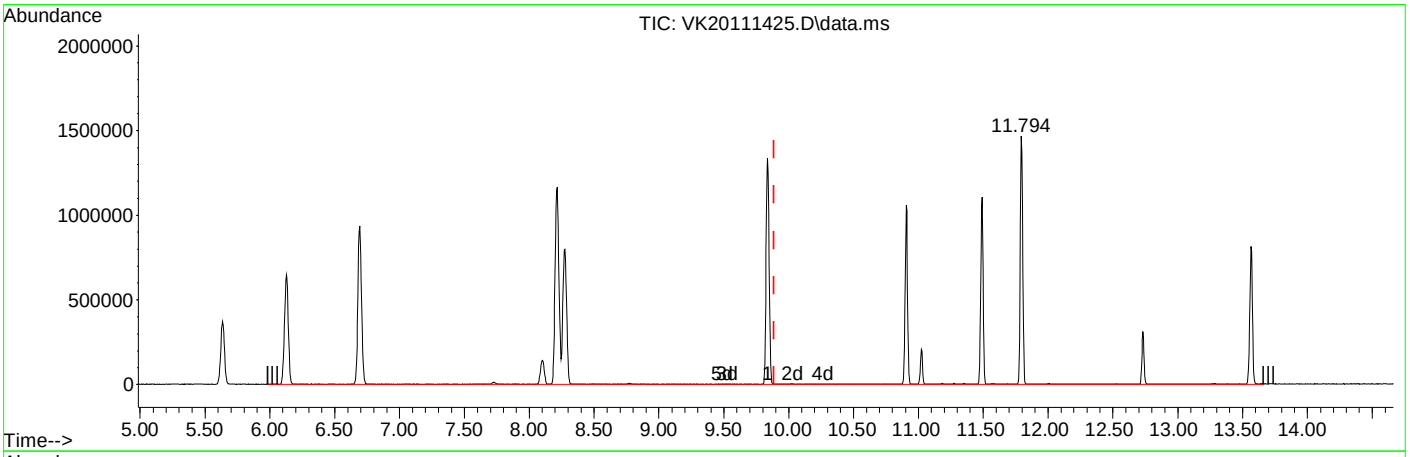
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.126	168	463432	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.692	114	838169	50.00	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.910	174	245809	49.35	ug/L	0.00
9) Toluene-d8 (NR)	8.214	98	885410	0.00	ug/L	0.00
11) Chlorobenzene-d5 (NR)	9.838	117	735369	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.794	150	506158	0.00	ug/L	0.00
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.883	TIC	5280146m	366.38	ug/L	
5) TPHg (C5-C9)	9.883	TIC	3818074m	189.13	ug/L	
6) TPHg (C6-C10)	9.883	TIC	3527104m	197.06	ug/L	
7) CA-LUFT (C5-C12)	9.883	TIC	5915581m	261.93	ug/L	

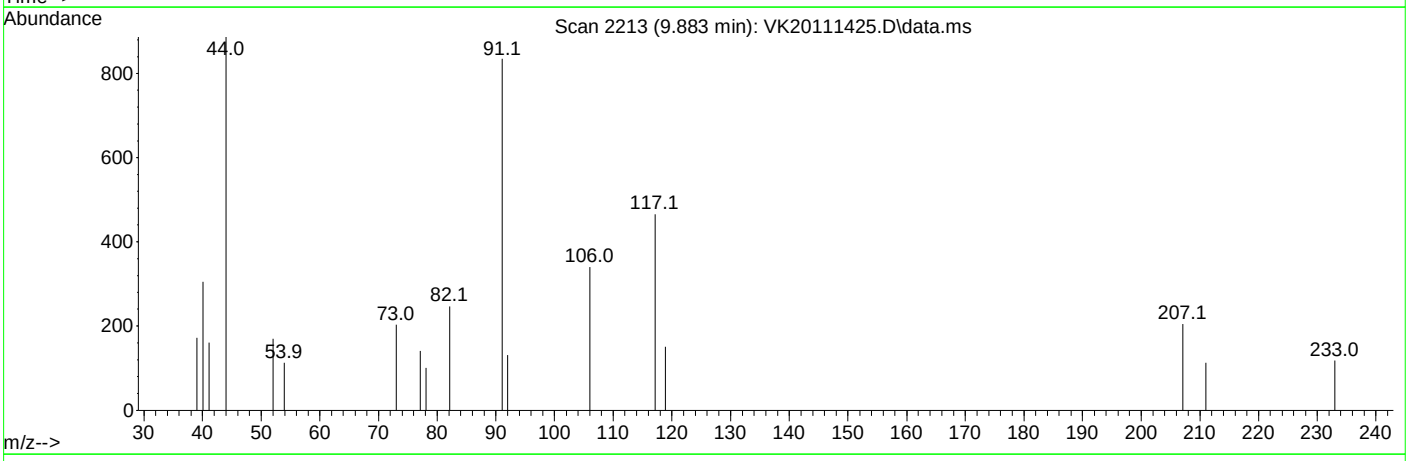
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111425.D
Acq On : 15 Nov 2020 02:38 am
Operator : TNL
Sample : 0K14006-RT1
Misc : 1X 5mL DI+MeOH A20I121
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 15 17:14:12 2020
Quant Method : C:\GCMS\1\methods\VK201115G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sun Nov 15 16:34:17 2020
Response via : Initial Calibration





TIC: VK20111425.D\data.ms

(4) NWTPH-Gx (TPH) (H)

9.883min (0.000) 366.38 ug/L m

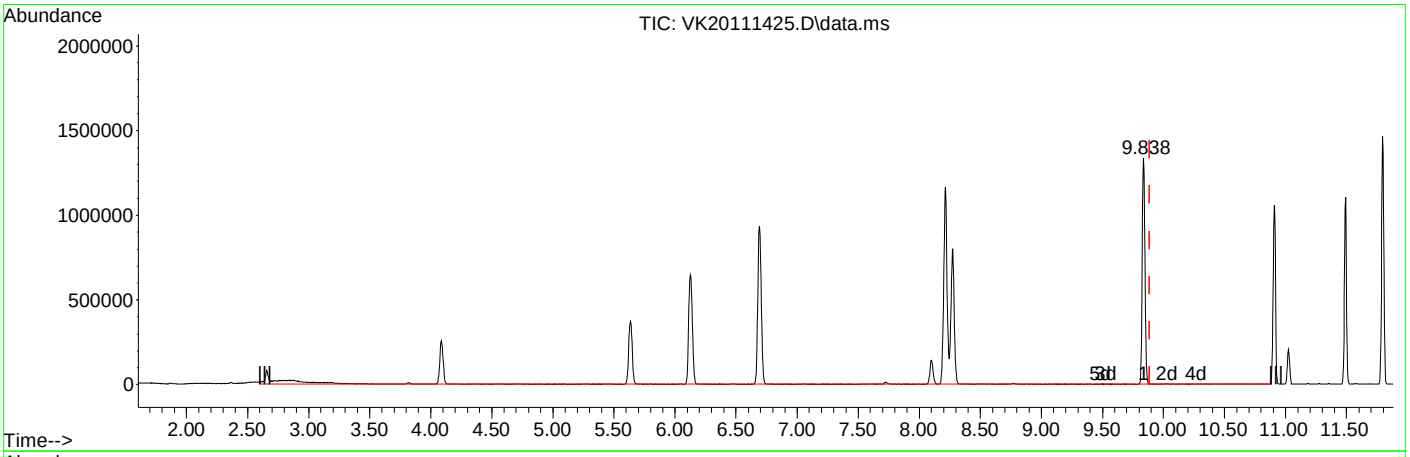
response 5280146

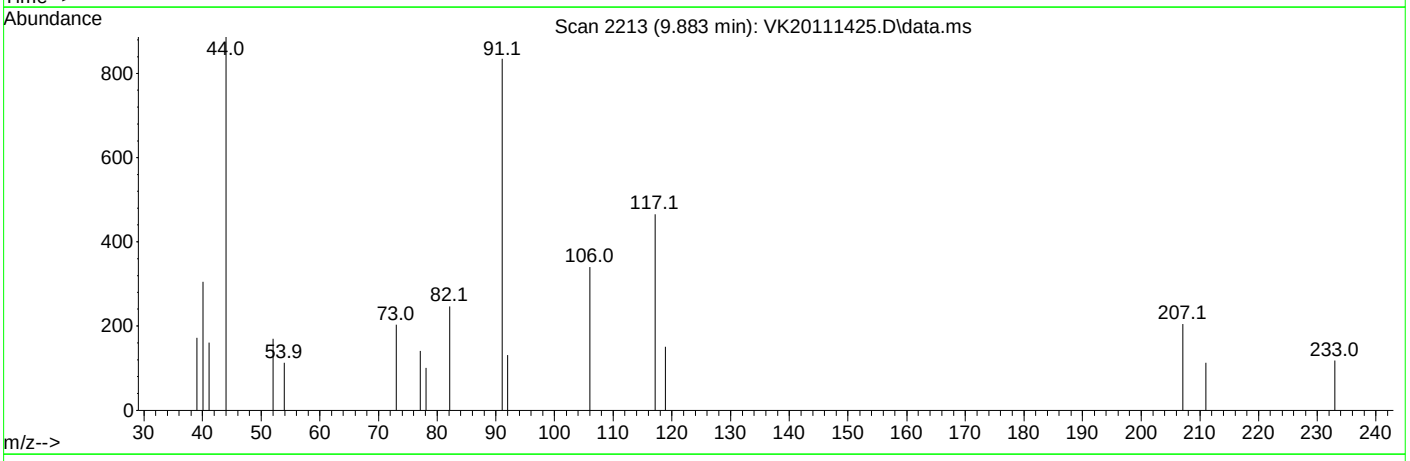
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	1.03#
0.00	0.00	0.58#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111425.D
Acq On : 15 Nov 2020 02:38 am
Operator : TNL
Sample : 0K14006-RT1
Misc : 1X 5mL DI+MeOH A20I121
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 15 17:14:12 2020
Quant Method : C:\GCMS\1\methods\VK201115G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sun Nov 15 16:34:17 2020
Response via : Initial Calibration





TIC: VK20111425.D\data.ms

(5) TPHg (C5-C9) (H)

9.883min (0.000) 189.13 ug/L m

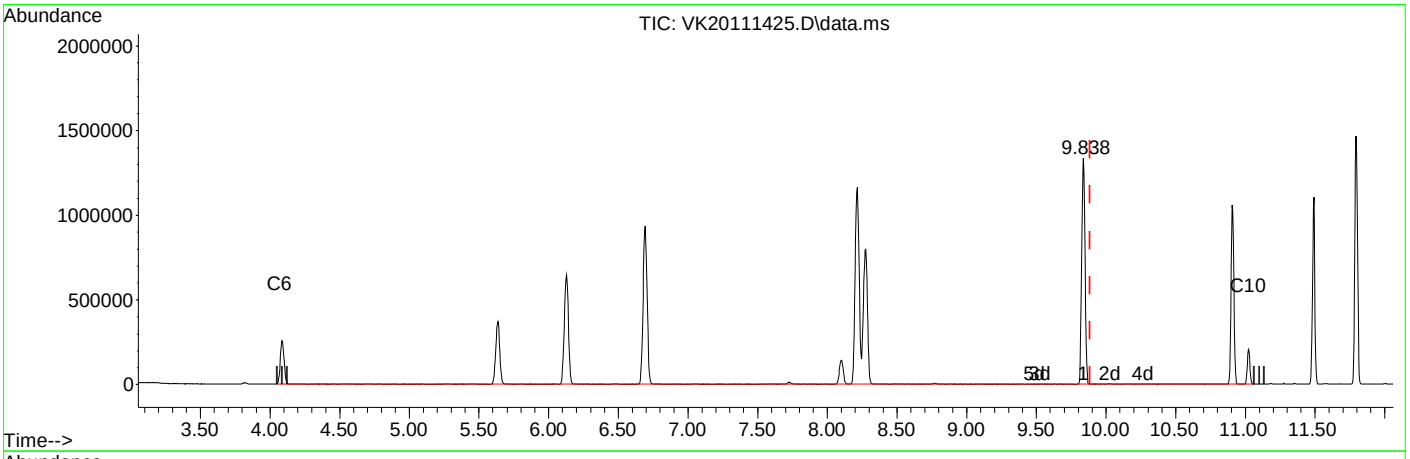
response 3818074

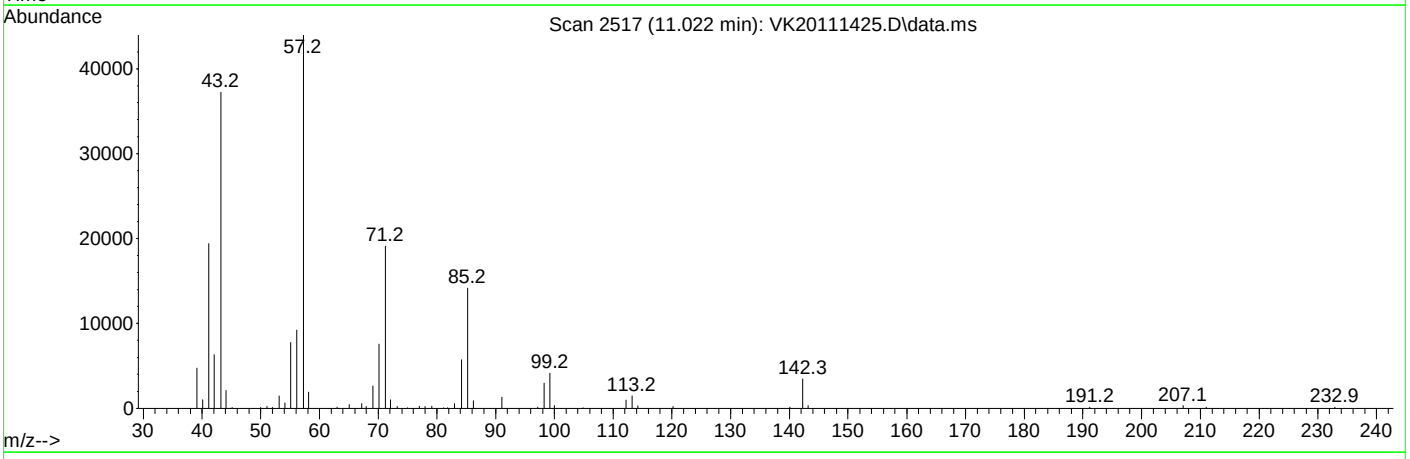
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	1.42#
0.00	0.00	0.80#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111425.D
Acq On : 15 Nov 2020 02:38 am
Operator : TNL
Sample : 0K14006-RT1
Misc : 1X 5mL DI+MeOH A20I121
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 15 17:14:12 2020
Quant Method : C:\GCMS\1\methods\VK201115G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sun Nov 15 16:34:17 2020
Response via : Initial Calibration





TIC: VK20111425.D\data.ms

(6) TPHg (C6-C10) (H)

9.883min (0.000) 197.06 ug/L m

response 3527104

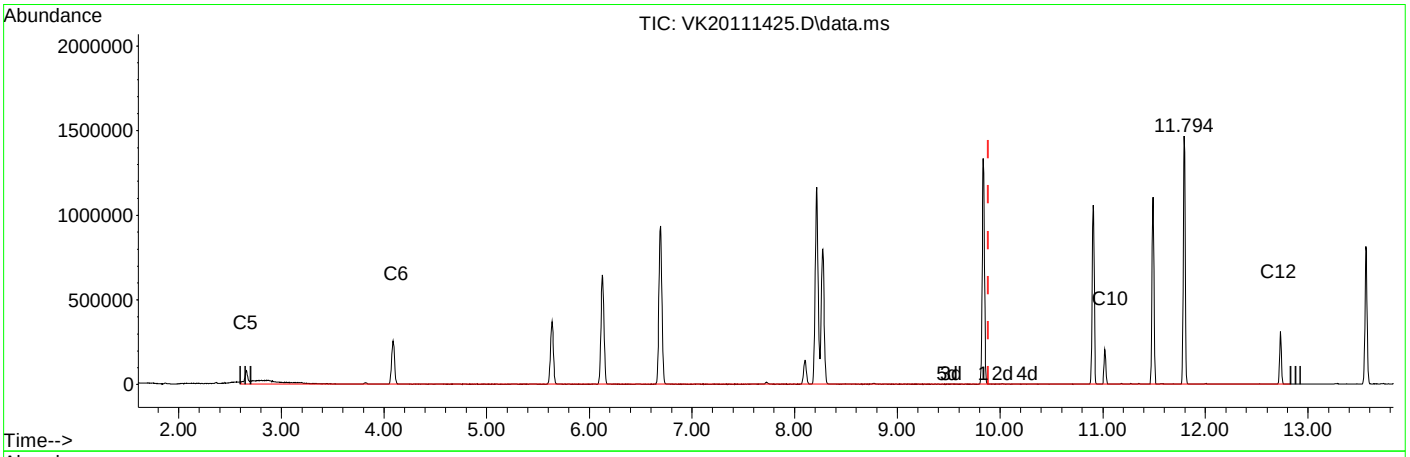
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	1.54#
0.00	0.00	0.87#
0.00	0.00	0.00

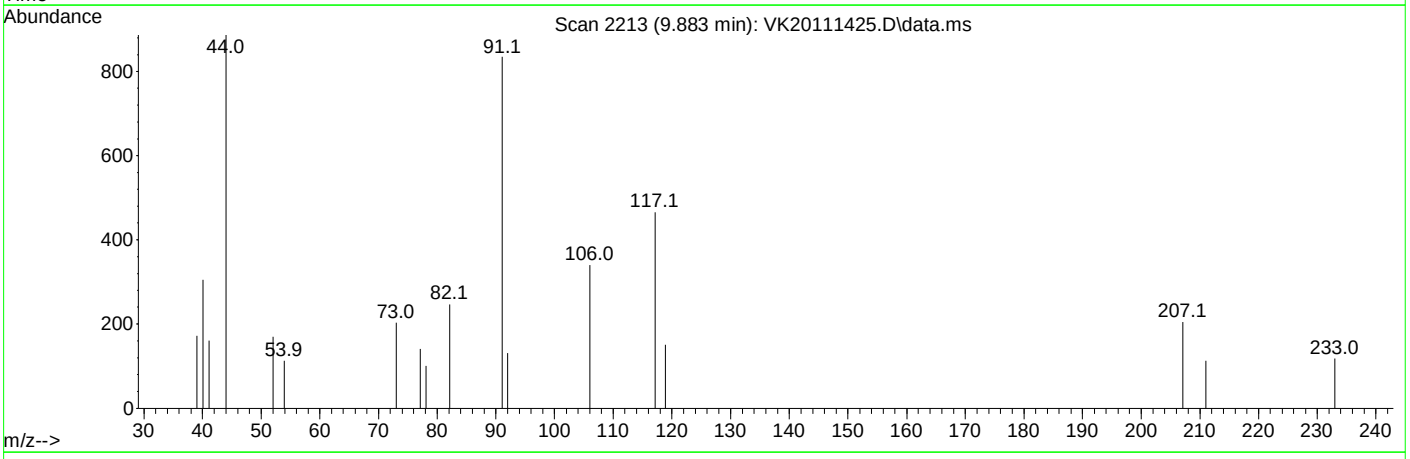
nr rt window incorrect
mm

Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111425.D
Acq On : 15 Nov 2020 02:38 am
Operator : TNL
Sample : 0K14006-RT1
Misc : 1X 5mL DI+MeOH A20I121
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 15 17:14:12 2020
Quant Method : C:\GCMS\1\methods\VK201115G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sun Nov 15 16:34:17 2020
Response via : Initial Calibration





TIC: VK20111425.D\data.ms

(7) CA-LUFT (C5-C12) (H)

9.883min (0.000) 261.93 ug/L m

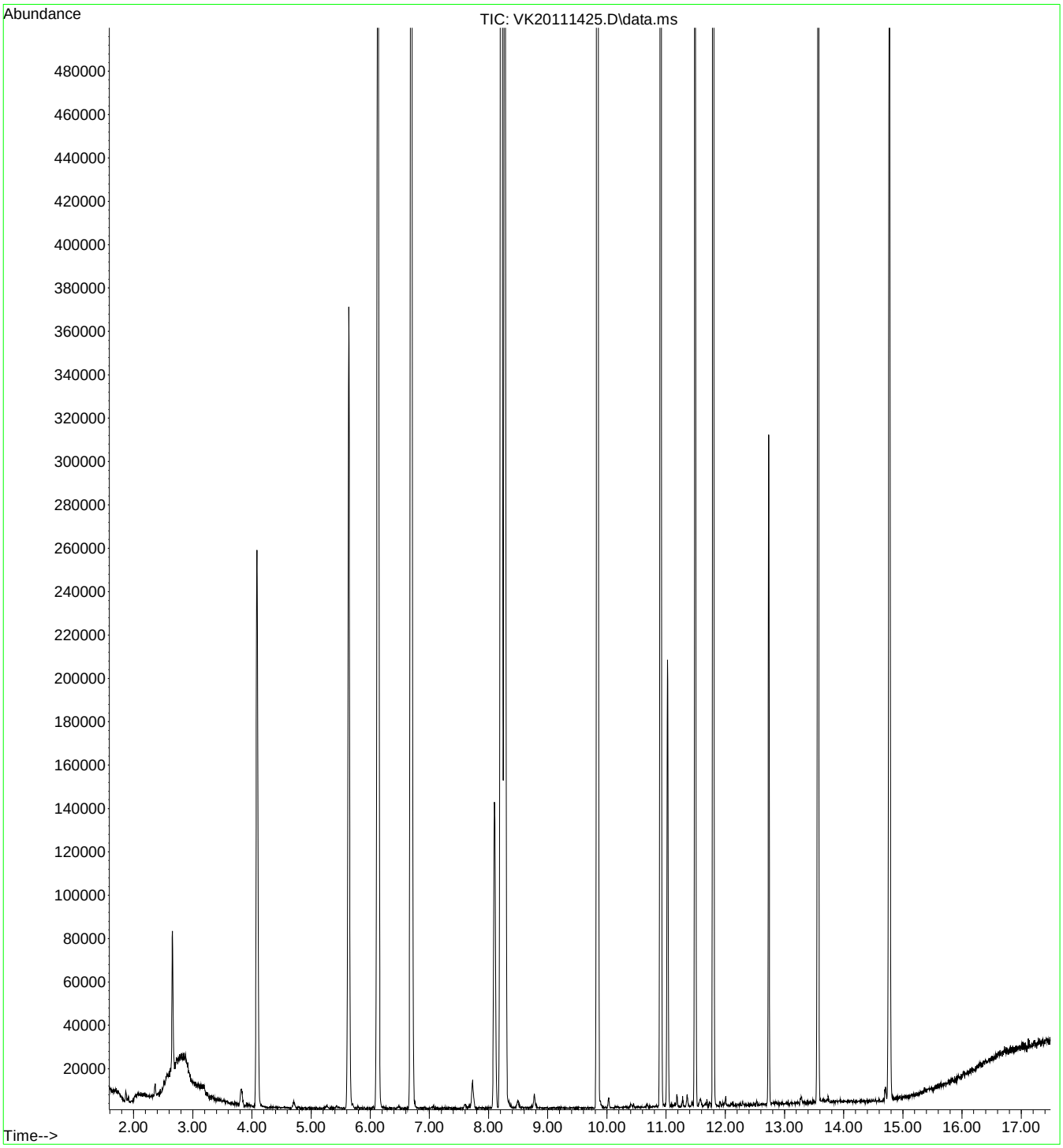
response 5915581

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.92#
0.00	0.00	0.52#
0.00	0.00	0.00

OK MM

nr

File :C:\GCMS\1\data\2020-11\0K14006\VK20111425.D
Operator : TNL
Acquired : 15 Nov 2020 02:38 am using AcqMethod VK2004RUN.M
Instrument : VOA-GCMS11
Sample Name: 0K14006-RT1
Misc Info : 1X 5mL DI+MeOH A20I121
Vial Number: 20



Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111426.D
Acq On : 15 Nov 2020 03:06 am
Operator : TNL
Sample : A0K14006-IBLA
Misc : 1X 5mL DI+MeOH
ALS Vial : 21 Sample Multiplier: 1

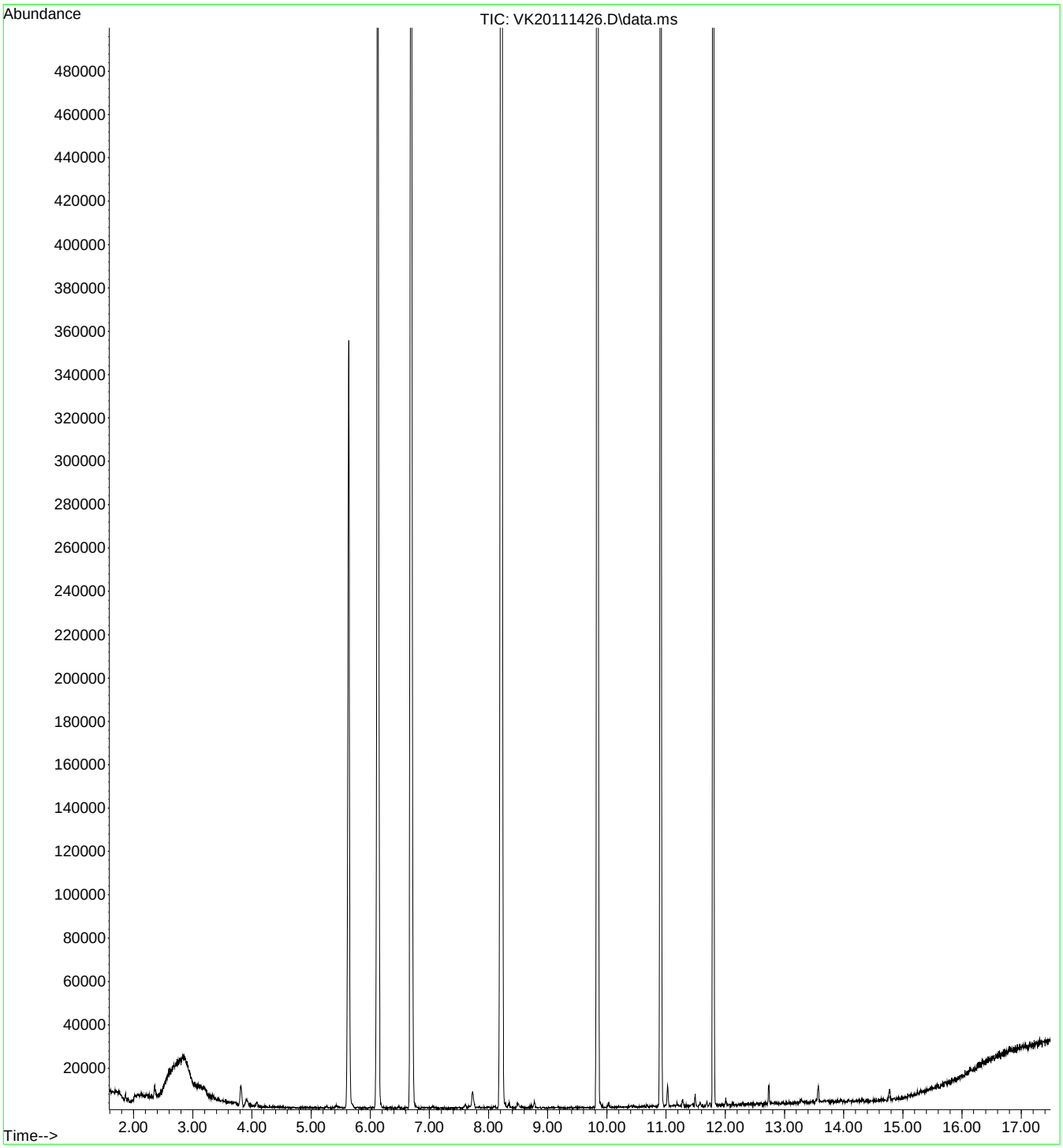
11/15/20 TNL

Quant Time: Nov 15 17:15:45 2020
Quant Method : C:\GCMS\1\methods\VK201115G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sun Nov 15 16:34:17 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.127	168	436678	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.689	114	794571	50.30	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.906	174	236724	50.44	ug/L	0.00
9) Toluene-d8 (NR)	8.211	98	847975	0.00	ug/L	0.00
11) Chlorobenzene-d5 (NR)	9.838	117	704481	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.794	150	477767	0.00	ug/L	0.00
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.883	TIC	229859m	Below Cal		
5) TPHg (C5-C9)	9.883	TIC	899873m	Below Cal		
6) TPHg (C6-C10)	9.883	TIC	868032m	Below Cal		
7) CA-LUFT (C5-C12)	9.883	TIC	987584m	Below Cal		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

File :C:\GCMS\1\data\2020-11\0K14006\VK20111426.D
Operator : TNL
Acquired : 15 Nov 2020 03:06 am using AcqMethod VK2004RUN.M
Instrument : VOA-GCMS11
Sample Name: A0K14006-IBLA
Misc Info : 1X 5mL DI+MeOH
Vial Number: 21



Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111427.D
Acq On : 15 Nov 2020 03:33 am
Operator : TNL
Sample : 0K14006-CALC
Misc : 1X 5mL DI+MeOH 50PPB G X
ALS Vial : 22 Sample Multiplier: 1

11/15/20 TNL

Quant Time: Nov 15 16:26:17 2020
Quant Method : C:\GCMS\1\methods\VK201115G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Oct 15 12:28:28 2020
Response via : Initial Calibration

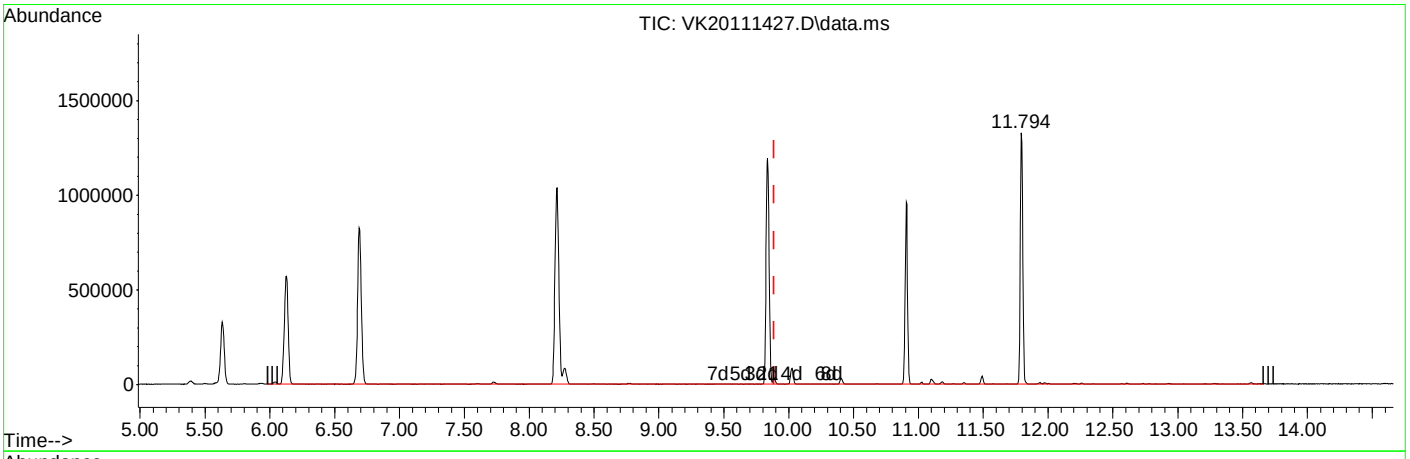
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.127	168	410888	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.689	114	744789	59.86	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.910	174	223649	49.16	ug/L	0.00
9) Toluene-d8 (NR)	8.215	98	792320	0.00	ug/L	0.00
11) Chlorobenzene-d5 (NR)	9.838	117	657069	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.794	150	459466	0.00	ug/L	0.00
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.883	TIC	925061m	91.65	ug/L	
7) CA-LUFT (C5-C12)	9.883	TIC	1861761m	106.08	ug/L	

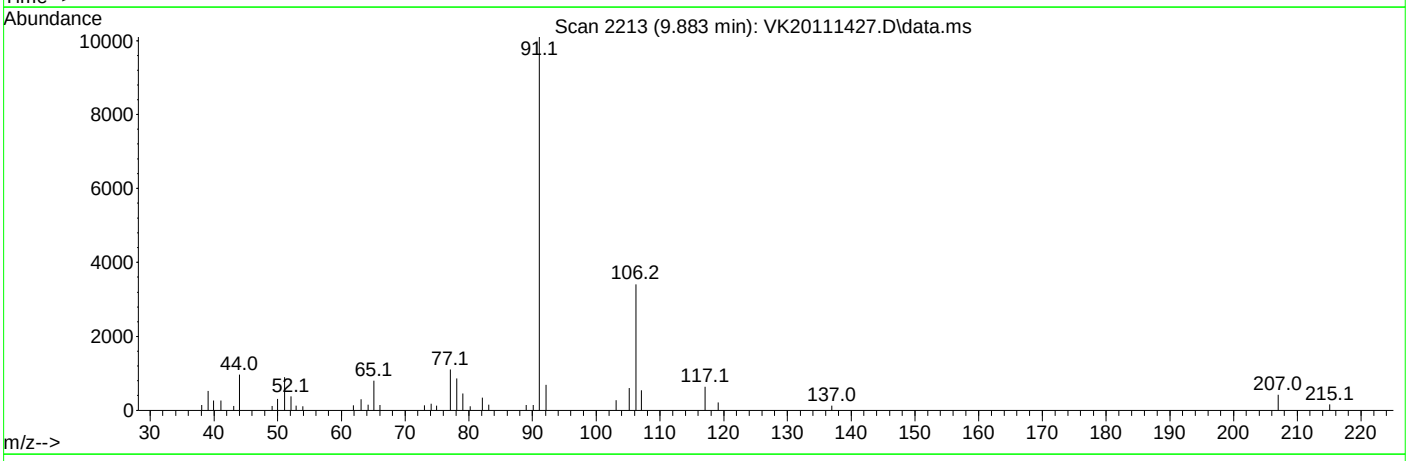
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111427.D
Acq On : 15 Nov 2020 03:33 am
Operator : TNL
Sample : 0K14006-CALC
Misc : 1X 5mL DI+MeOH 50PPB G X
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Nov 15 16:26:17 2020
Quant Method : C:\GCMS\1\methods\VK201115G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Oct 15 12:28:28 2020
Response via : Initial Calibration





TIC: VK20111427.D\data.ms

(4) NWTPH-Gx (TPH) (H)

9.883min (0.000) 91.65 ug/L m

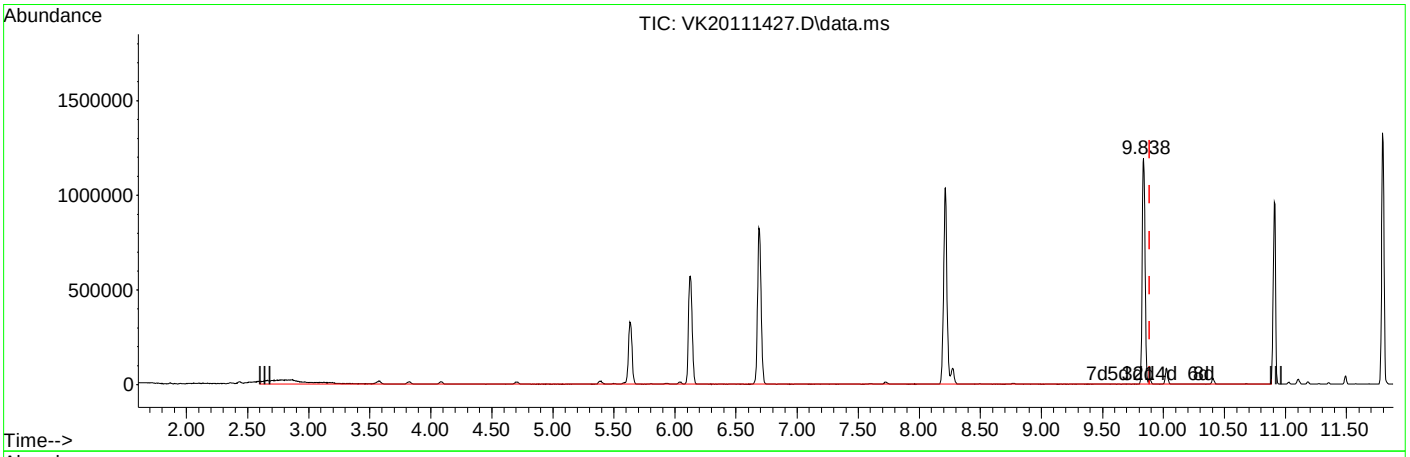
response 925061

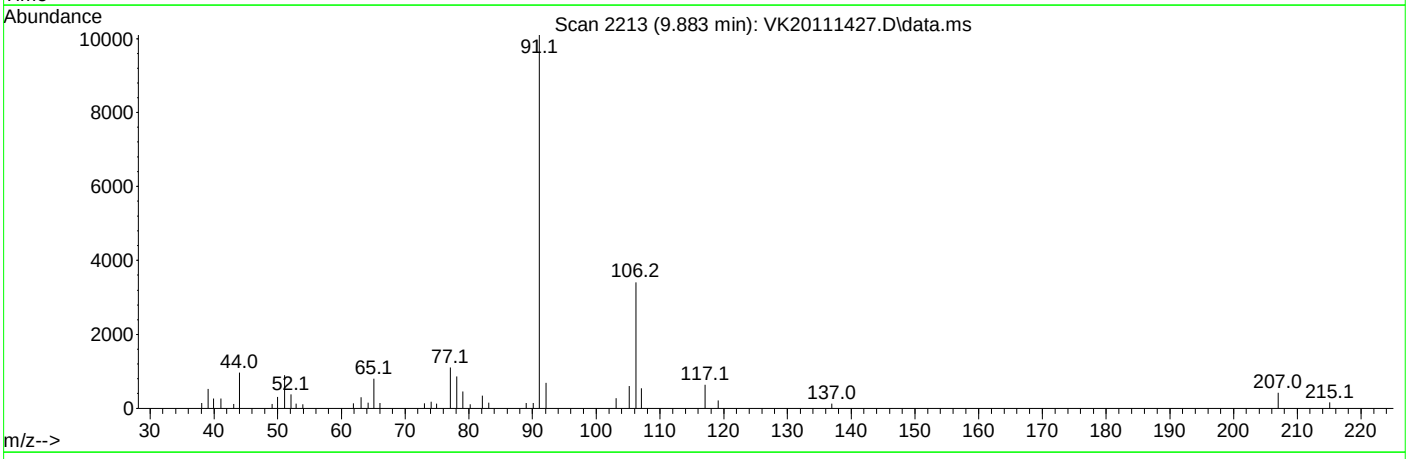
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.05#
0.00	0.00	0.03#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111427.D
Acq On : 15 Nov 2020 03:33 am
Operator : TNL
Sample : 0K14006-CALC
Misc : 1X 5mL DI+MeOH 50PPB G X
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Nov 15 16:26:17 2020
Quant Method : C:\GCMS\1\methods\VK201115G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Oct 15 12:28:28 2020
Response via : Initial Calibration





TIC: VK20111427.D\data.ms

(5) TPHg (C5-C9) (H)

9.883min (0.000) 0.00 ug/L m

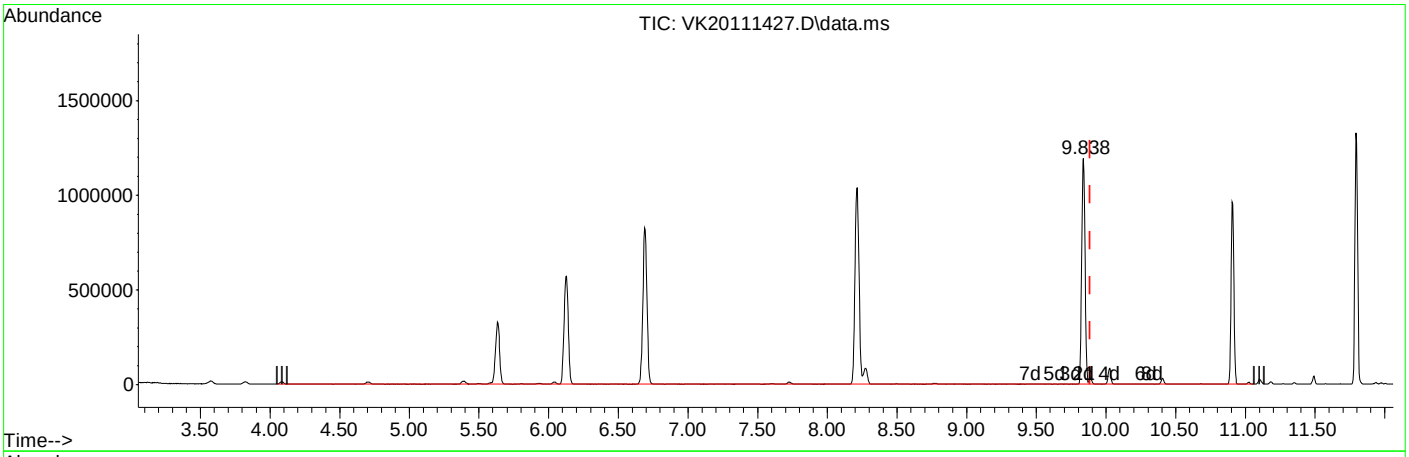
response 1582247

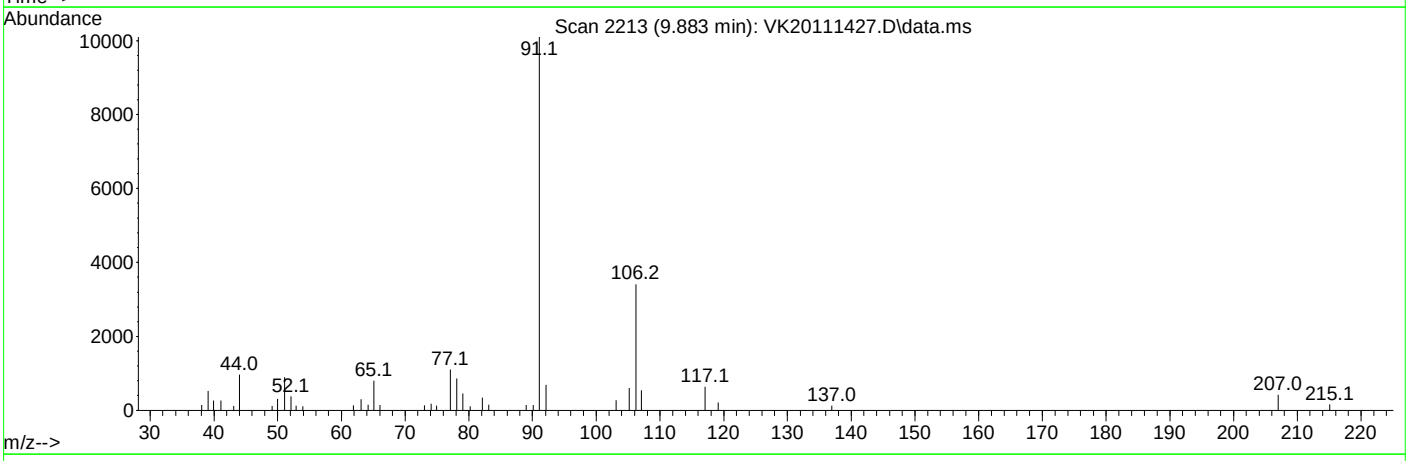
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.03#
0.00	0.00	0.02#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111427.D
Acq On : 15 Nov 2020 03:33 am
Operator : TNL
Sample : 0K14006-CALC
Misc : 1X 5mL DI+MeOH 50PPB G X
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Nov 15 16:26:17 2020
Quant Method : C:\GCMS\1\methods\VK201115G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Oct 15 12:28:28 2020
Response via : Initial Calibration





TIC: VK20111427.D\data.ms

(6) TPHg (C6-C10) (H)

9.883min (0.000) 0.00 ug/L m

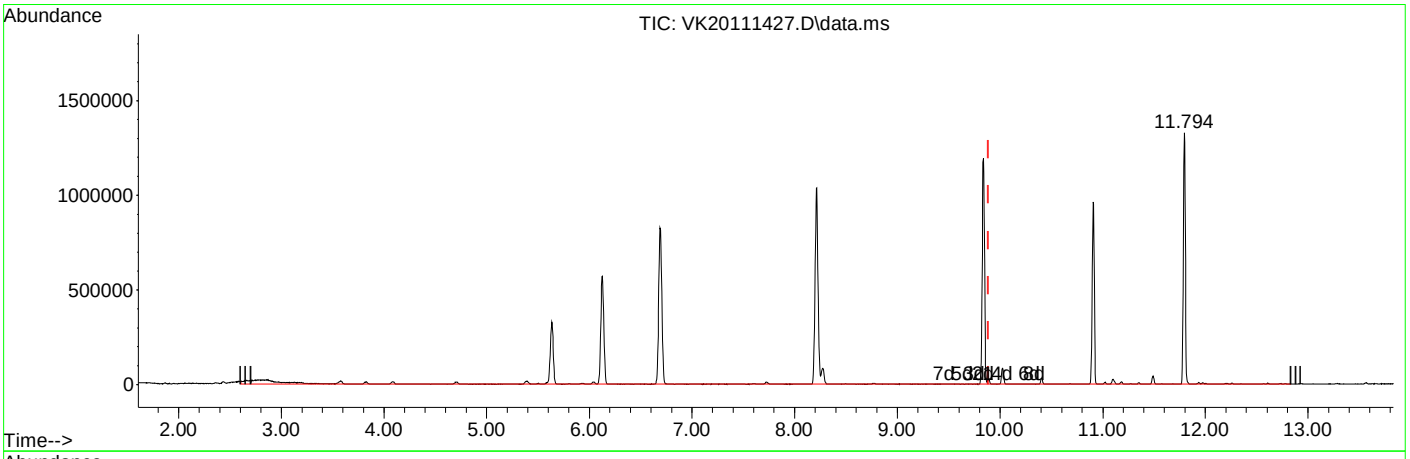
response 1488362

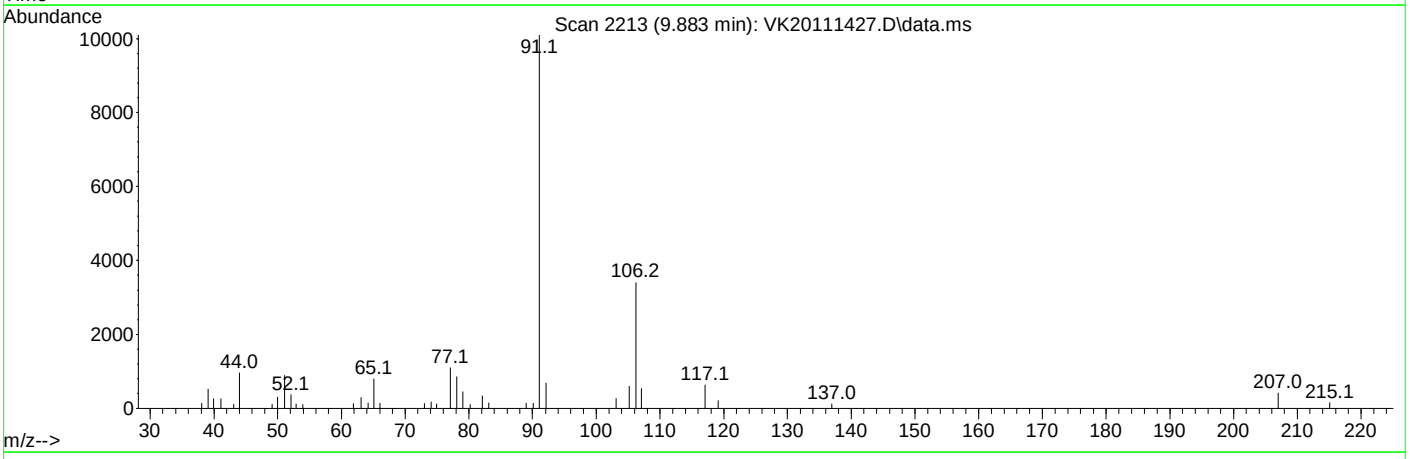
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.03#
0.00	0.00	0.02#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111427.D
Acq On : 15 Nov 2020 03:33 am
Operator : TNL
Sample : 0K14006-CALC
Misc : 1X 5mL DI+MeOH 50PPB G X
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Nov 15 16:26:17 2020
Quant Method : C:\GCMS\1\methods\VK201115G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Oct 15 12:28:28 2020
Response via : Initial Calibration





TIC: VK20111427.D\data.ms

(7) CA-LUFT (C5-C12) (H)

9.883min (0.000) 106.08 ug/L m

response 1861761

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.02#
0.00	0.00	0.01#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111427.D
Acq On : 15 Nov 2020 03:33 am
Operator : TNL
Sample : 0K14006-CALC
Misc : 1X 5mL DI+MeOH 50PPB G X
ALS Vial : 22 Sample Multiplier: 1

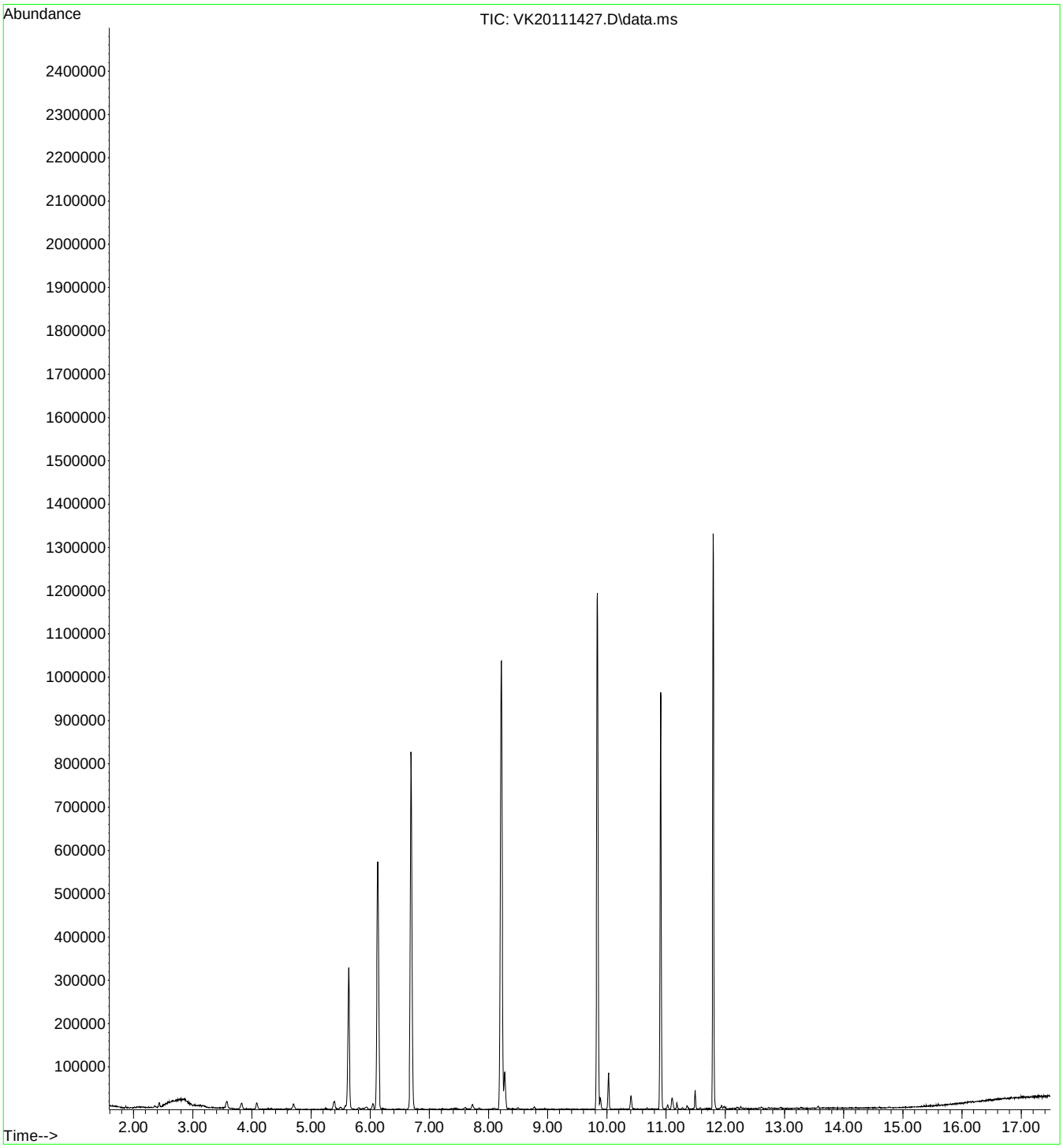
11/15/20 TNL

Quant Time: Nov 15 16:26:17 2020
Quant Method : C:\GCMS\1\methods\VK201115G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Oct 15 12:28:28 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.127	168	410888	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.689	114	744789	59.86	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.910	174	223649	49.16	ug/L	0.00
9) Toluene-d8 (NR)	8.215	98	792320	0.00	ug/L	0.00
11) Chlorobenzene-d5 (NR)	9.838	117	657069	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.794	150	459466	0.00	ug/L	0.00
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.883	TIC	925061m	91.65	ug/L	
7) CA-LUFT (C5-C12)	9.883	TIC	1861761m	106.08	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

File   :C:\GCMS\1\data\2020-11\0K14006\VK20111427.D
Operator   : TNL
Acquired   : 15 Nov 2020 03:33 am using AcqMethod VK2004RUN.M
Instrument :   VOA-GCMS11
Sample Name: 0K14006-CALC
Misc Info : 1X 5mL DI+MeOH   50PPB G X
Vial Number: 22



Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111428.D
Acq On : 15 Nov 2020 04:00 am
Operator : TNL
Sample : 0K14006-CALD
Misc : 1X 5mL DI+MeOH 100PPB GX
ALS Vial : 23 Sample Multiplier: 1

11/15/20 TNL

Quant Time: Nov 15 16:27:45 2020
Quant Method : C:\GCMS\1\methods\VK201115G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Oct 15 12:28:28 2020
Response via : Initial Calibration

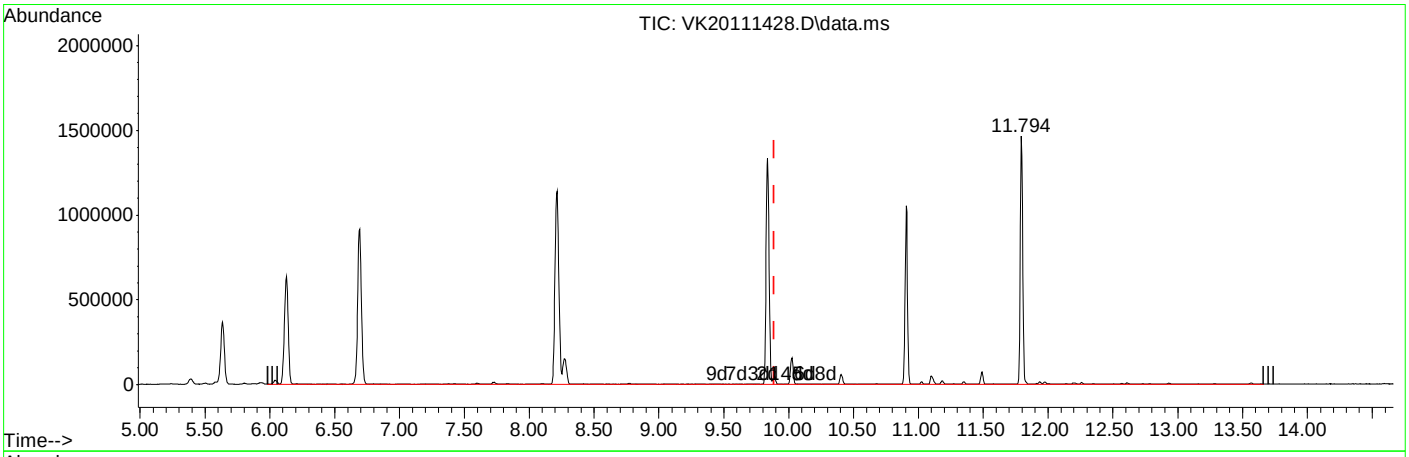
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.126	168	449696	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.692	114	821939	60.36	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.906	174	243531	48.91	ug/L	0.00
9) Toluene-d8 (NR)	8.214	98	869158	0.00	ug/L	0.00
11) Chlorobenzene-d5 (NR)	9.838	117	725925	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.794	150	496521	0.00	ug/L	0.00
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.883	TIC	1466111m	140.24	ug/L	
7) CA-LUFT (C5-C12)	9.883	TIC	3068936m	191.58	ug/L	

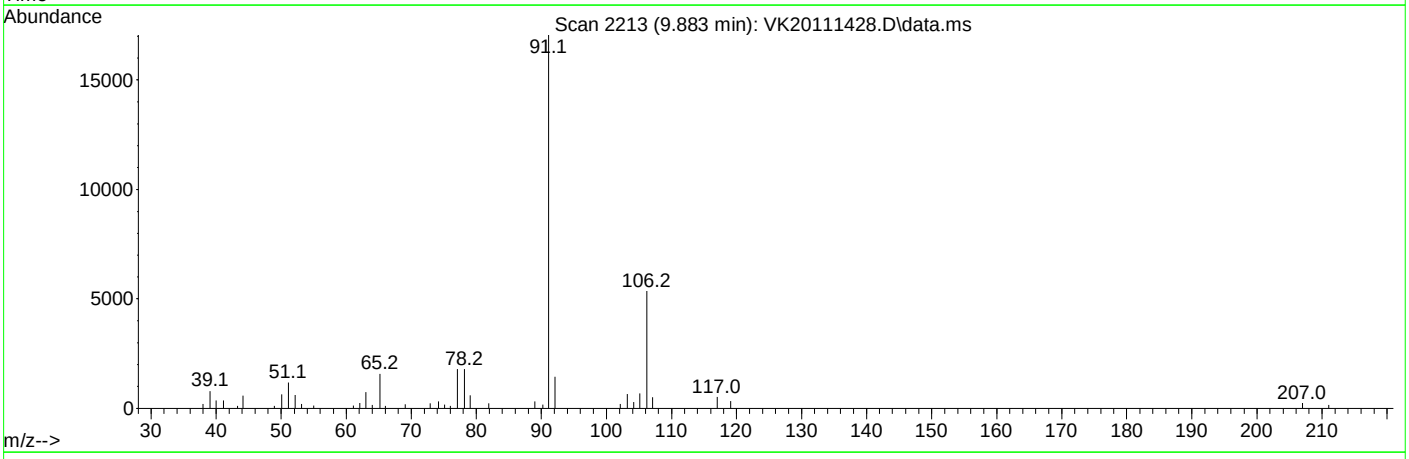
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111428.D
Acq On : 15 Nov 2020 04:00 am
Operator : TNL
Sample : 0K14006-CALD
Misc : 1X 5mL DI+MeOH 100PPB GX
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Nov 15 16:27:45 2020
Quant Method : C:\GCMS\1\methods\VK201115G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Oct 15 12:28:28 2020
Response via : Initial Calibration





TIC: VK20111428.D\data.ms

(4) NWTPH-Gx (TPH) (H)

9.883min (0.000) 140.24 ug/L m

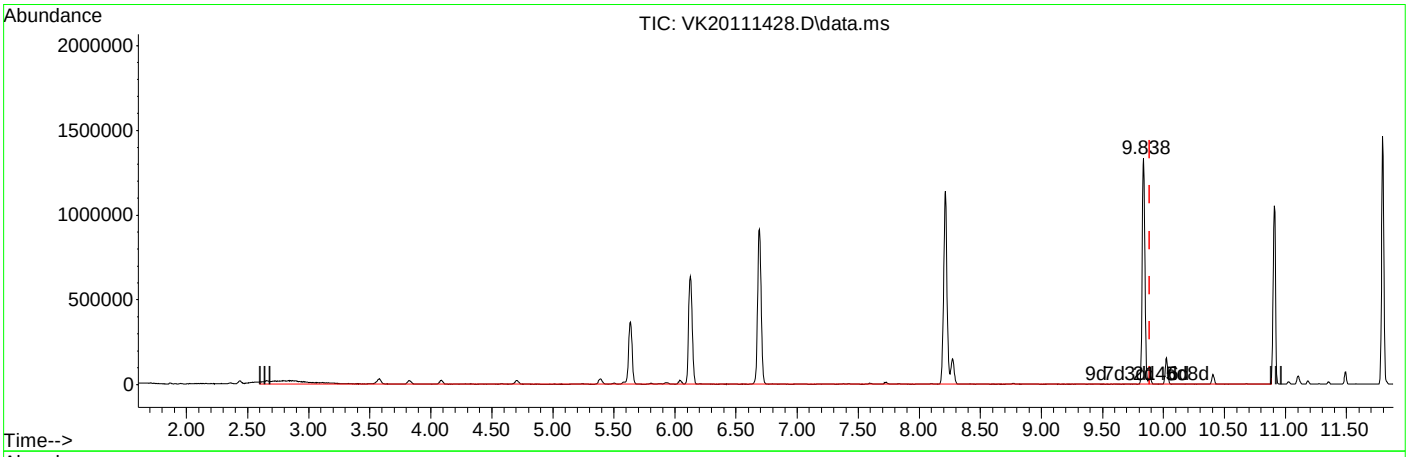
response 1466111

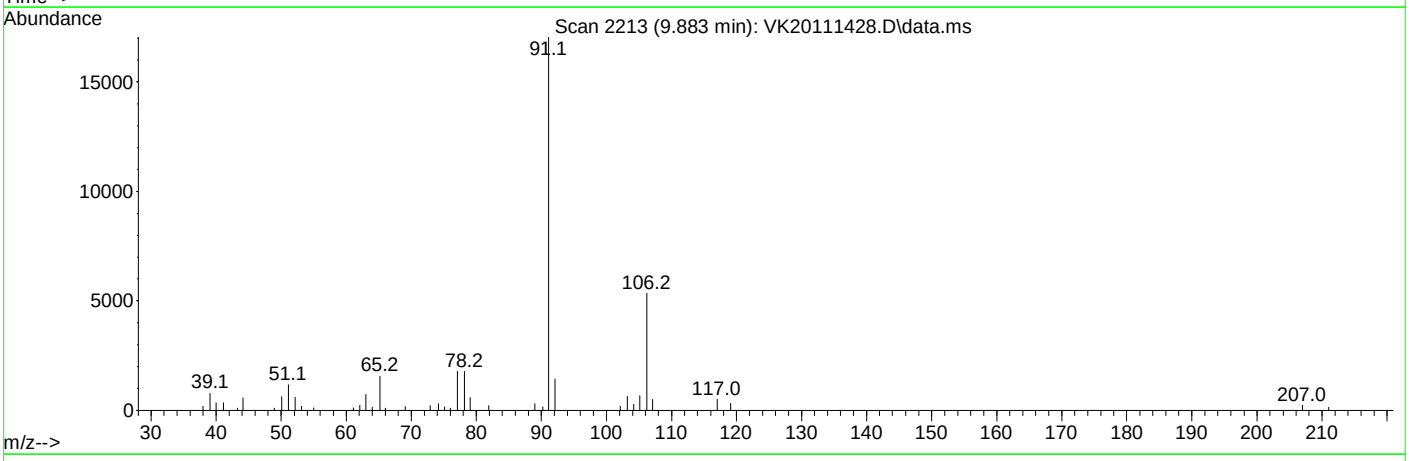
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.03#
0.00	0.00	0.02#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111428.D
Acq On : 15 Nov 2020 04:00 am
Operator : TNL
Sample : 0K14006-CALD
Misc : 1X 5mL DI+MeOH 100PPB GX
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Nov 15 16:27:45 2020
Quant Method : C:\GCMS\1\methods\VK201115G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Oct 15 12:28:28 2020
Response via : Initial Calibration





TIC: VK20111428.D\data.ms

(5) TPHg (C5-C9) (H)

9.883min (0.000) 0.00 ug/L m

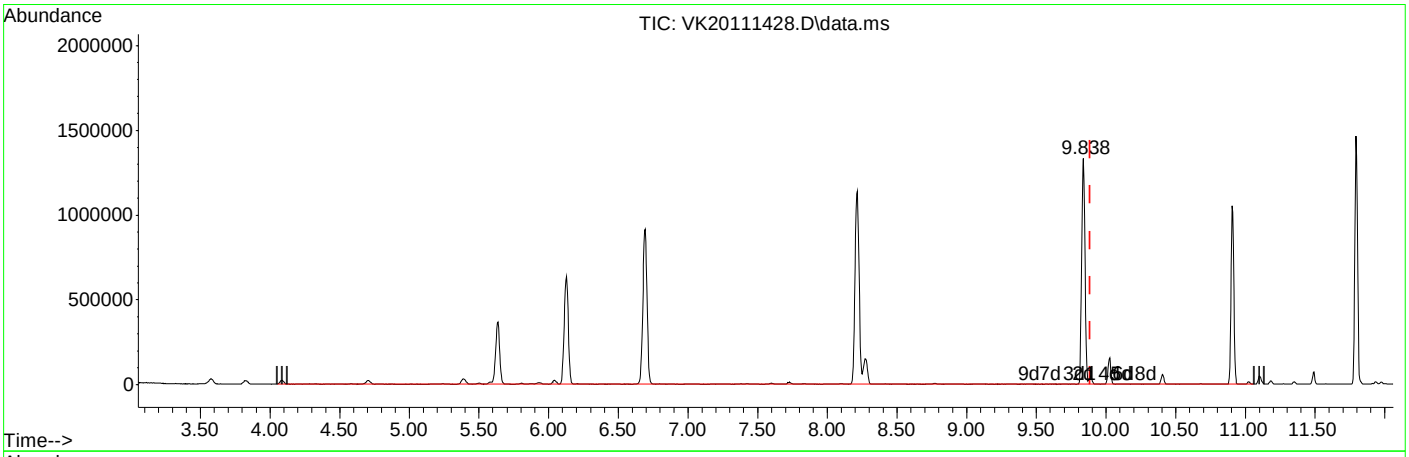
response 2679276

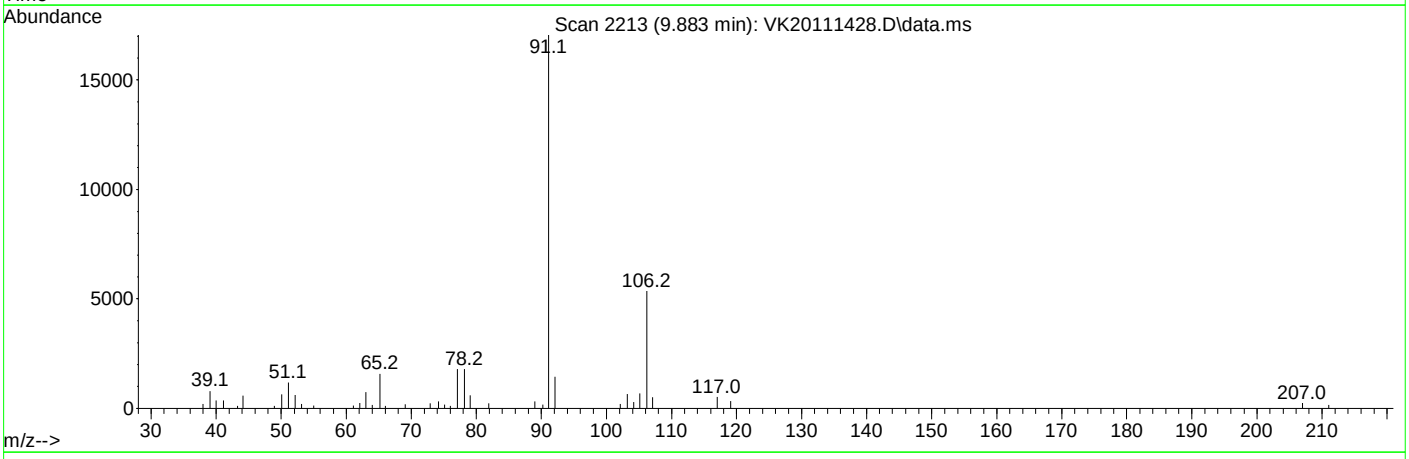
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.01#
0.00	0.00	0.01#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111428.D
Acq On : 15 Nov 2020 04:00 am
Operator : TNL
Sample : 0K14006-CALD
Misc : 1X 5mL DI+MeOH 100PPB GX
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Nov 15 16:27:45 2020
Quant Method : C:\GCMS\1\methods\VK201115G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Oct 15 12:28:28 2020
Response via : Initial Calibration





TIC: VK20111428.D\data.ms

(6) TPHg (C6-C10) (H)

9.883min (0.000) 0.00 ug/L m

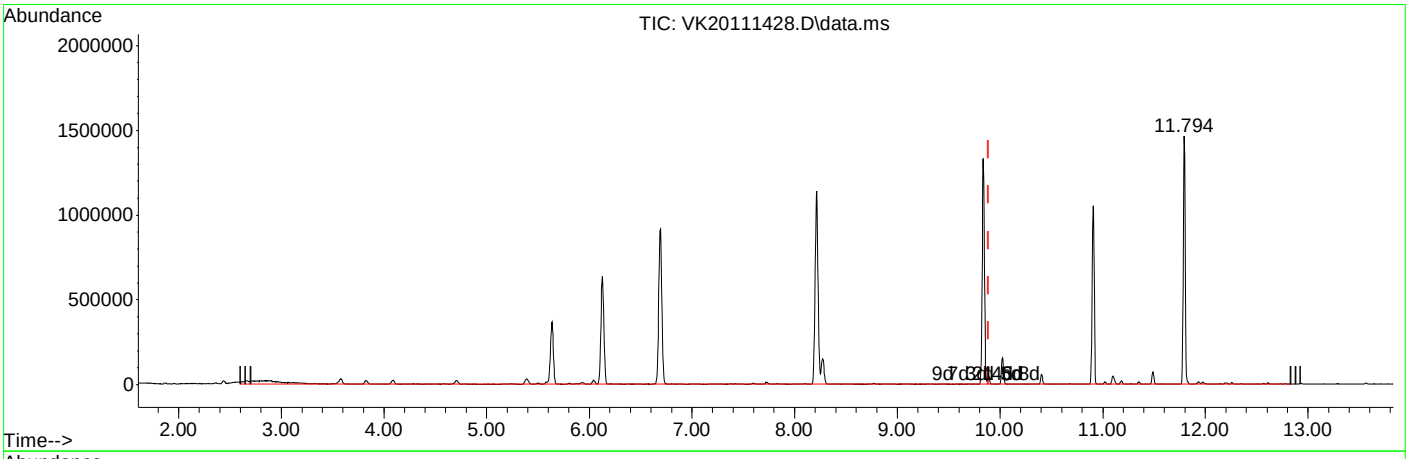
response 2127574

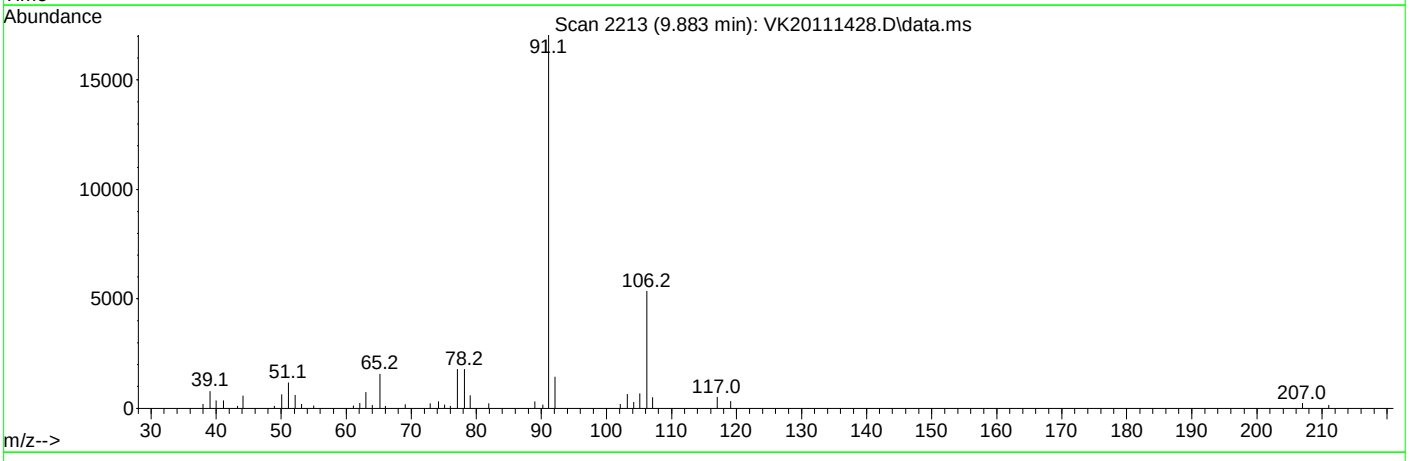
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.02#
0.00	0.00	0.01#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111428.D
Acq On : 15 Nov 2020 04:00 am
Operator : TNL
Sample : 0K14006-CALD
Misc : 1X 5mL DI+MeOH 100PPB GX
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Nov 15 16:27:45 2020
Quant Method : C:\GCMS\1\methods\VK201115G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Oct 15 12:28:28 2020
Response via : Initial Calibration





TIC: VK20111428.D\data.ms

(7) CA-LUFT (C5-C12) (H)

9.883min (0.000) 191.58 ug/L m

response 3068936

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.01#
0.00	0.00	0.01#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111428.D
Acq On : 15 Nov 2020 04:00 am
Operator : TNL
Sample : 0K14006-CALD
Misc : 1X 5mL DI+MeOH 100PPB GX
ALS Vial : 23 Sample Multiplier: 1

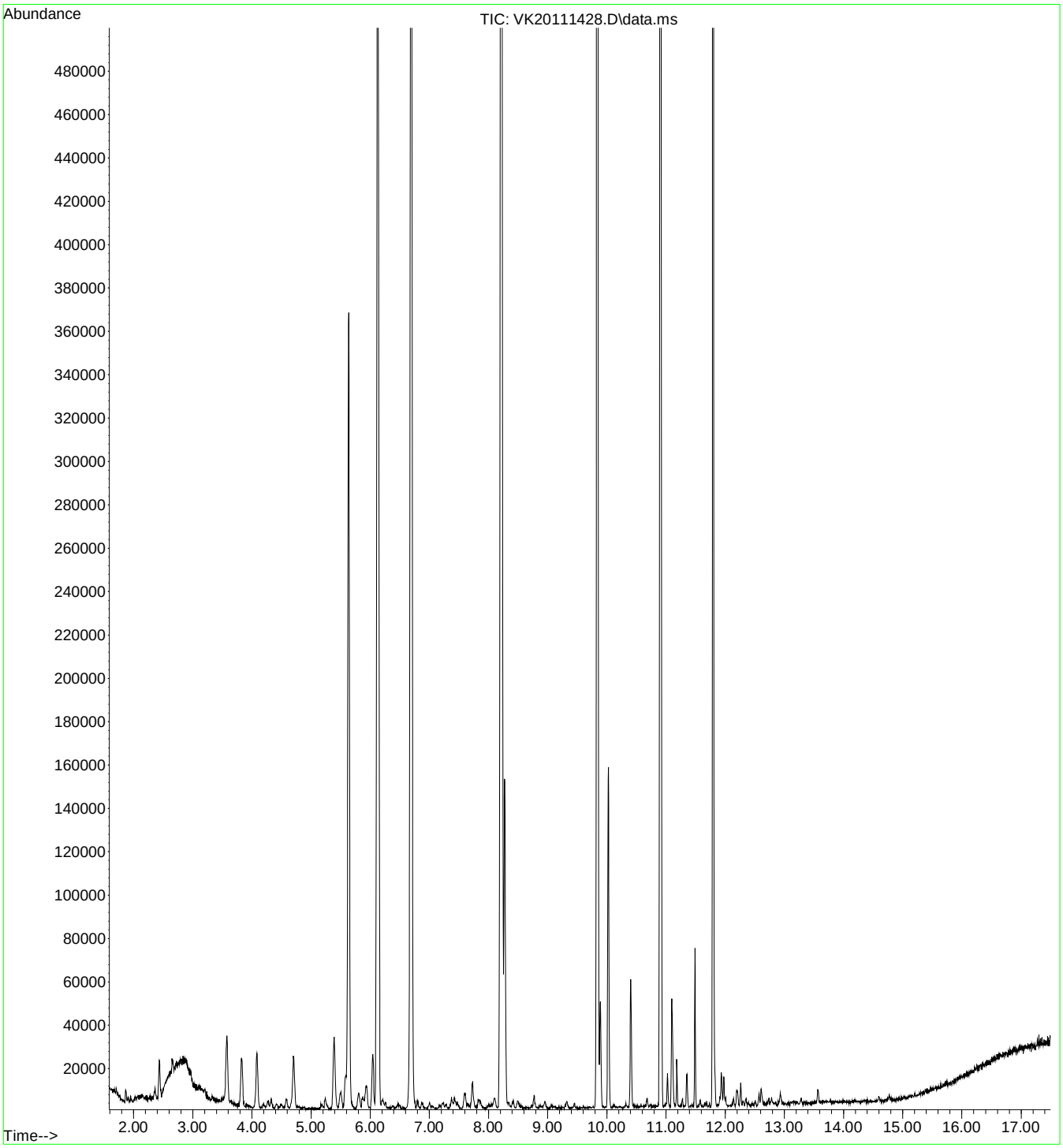
11/15/20 TNL

Quant Time: Nov 15 16:27:45 2020
Quant Method : C:\GCMS\1\methods\VK201115G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Oct 15 12:28:28 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.126	168	449696	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.692	114	821939	60.36	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.906	174	243531	48.91	ug/L	0.00
9) Toluene-d8 (NR)	8.214	98	869158	0.00	ug/L	0.00
11) Chlorobenzene-d5 (NR)	9.838	117	725925	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.794	150	496521	0.00	ug/L	0.00
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.883	TIC	1466111m	140.24	ug/L	
7) CA-LUFT (C5-C12)	9.883	TIC	3068936m	191.58	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

File :C:\GCMS\1\data\2020-11\0K14006\VK20111428.D
Operator : TNL
Acquired : 15 Nov 2020 04:00 am using AcqMethod VK2004RUN.M
Instrument : VOA-GCMS11
Sample Name: 0K14006-CALD
Misc Info : 1X 5mL DI+MeOH 100PPB GX
Vial Number: 23



Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111429.D
Acq On : 15 Nov 2020 04:28 am
Operator : TNL
Sample : 0K14006-CALE
Misc : 1X 5mL DI+MeOH 250PPB GX
ALS Vial : 24 Sample Multiplier: 1

11/15/20 TNL

Quant Time: Nov 15 16:28:26 2020
Quant Method : C:\GCMS\1\methods\VK201115G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Oct 15 12:28:28 2020
Response via : Initial Calibration

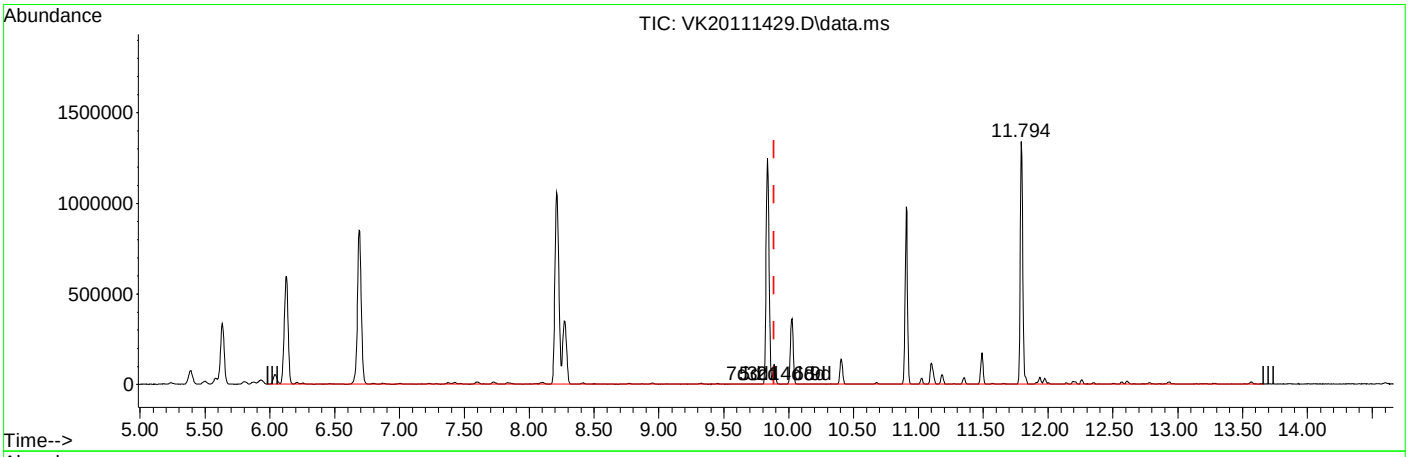
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.126	168	416340	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.689	114	751378	59.60	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.910	174	224571	48.71	ug/L	0.00
9) Toluene-d8 (NR)	8.211	98	808157	0.00	ug/L	0.00
11) Chlorobenzene-d5 (NR)	9.838	117	673403	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.794	150	457581	0.00	ug/L	0.00
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.883	TIC	3412685m	377.57	ug/L	
7) CA-LUFT (C5-C12)	9.883	TIC	5298645m	411.21	ug/L	

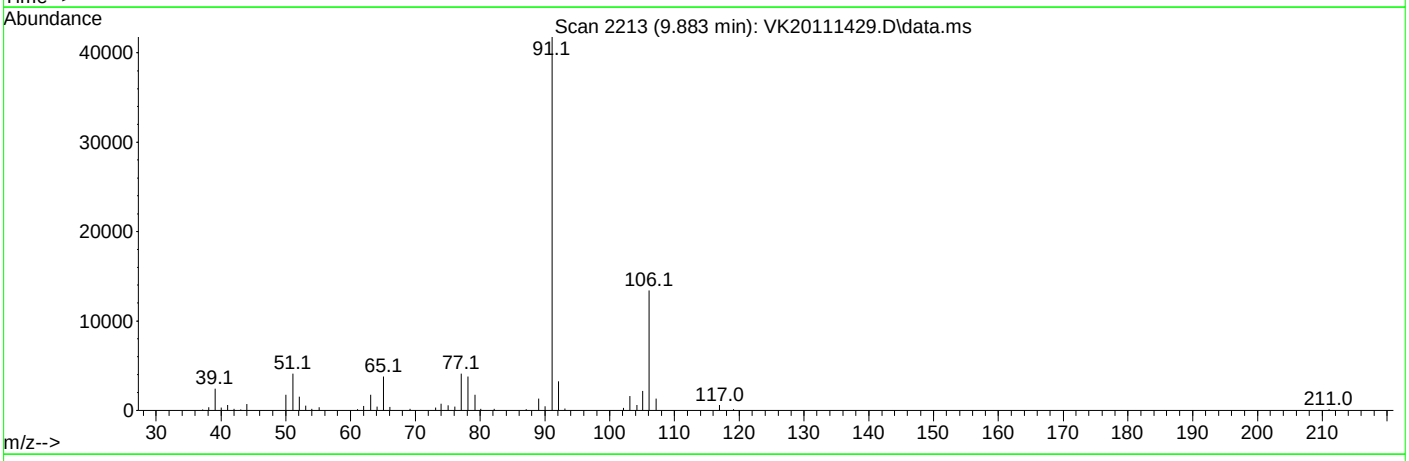
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111429.D
Acq On : 15 Nov 2020 04:28 am
Operator : TNL
Sample : 0K14006-CALE
Misc : 1X 5mL DI+MeOH 250PPB GX
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Nov 15 16:28:26 2020
Quant Method : C:\GCMS\1\methods\VK201115G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Oct 15 12:28:28 2020
Response via : Initial Calibration





TIC: VK20111429.D\data.ms

(4) NWTPH-Gx (TPH) (H)

9.883min (0.000) 377.57 ug/L m

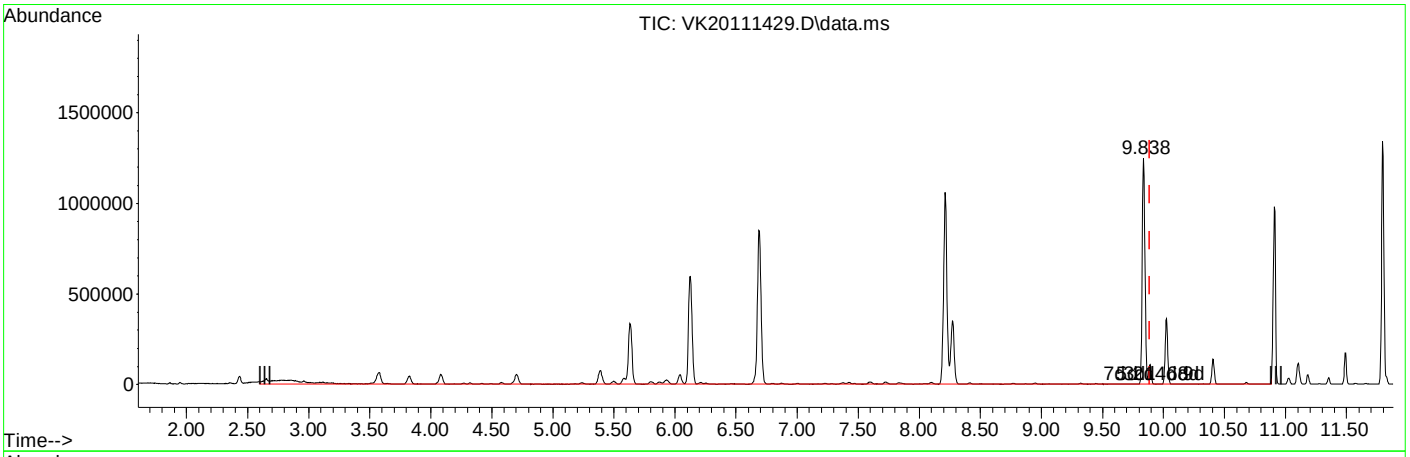
response 3412685

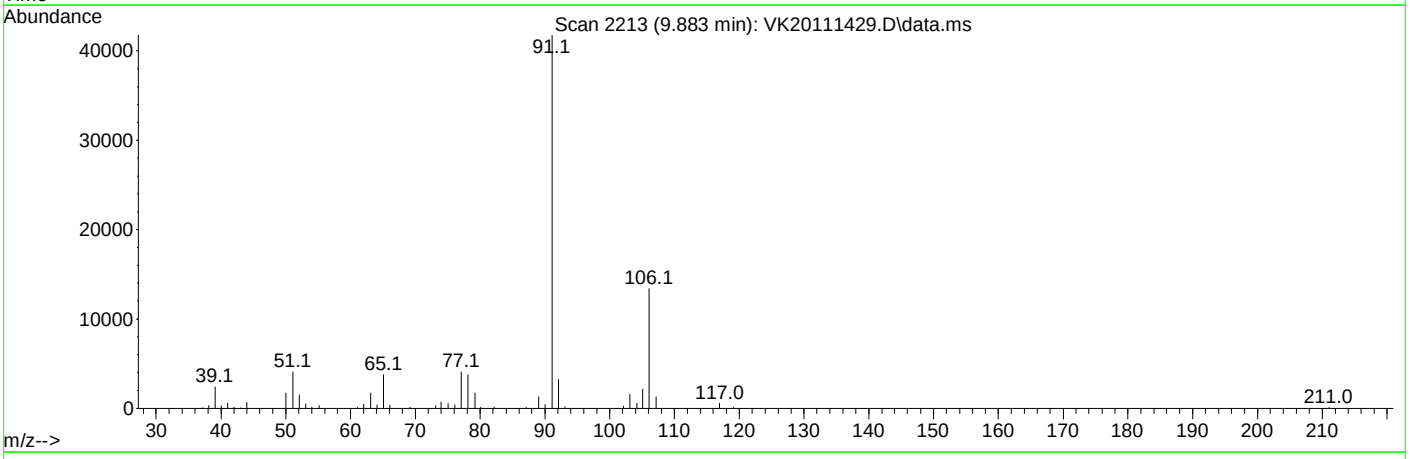
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.02#
0.00	0.00	0.01#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111429.D
Acq On : 15 Nov 2020 04:28 am
Operator : TNL
Sample : 0K14006-CALE
Misc : 1X 5mL DI+MeOH 250PPB GX
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Nov 15 16:28:26 2020
Quant Method : C:\GCMS\1\methods\VK201115G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Oct 15 12:28:28 2020
Response via : Initial Calibration





TIC: VK20111429.D\data.ms

(5) TPHg (C5-C9) (H)

9.883min (0.000) 0.00 ug/L m

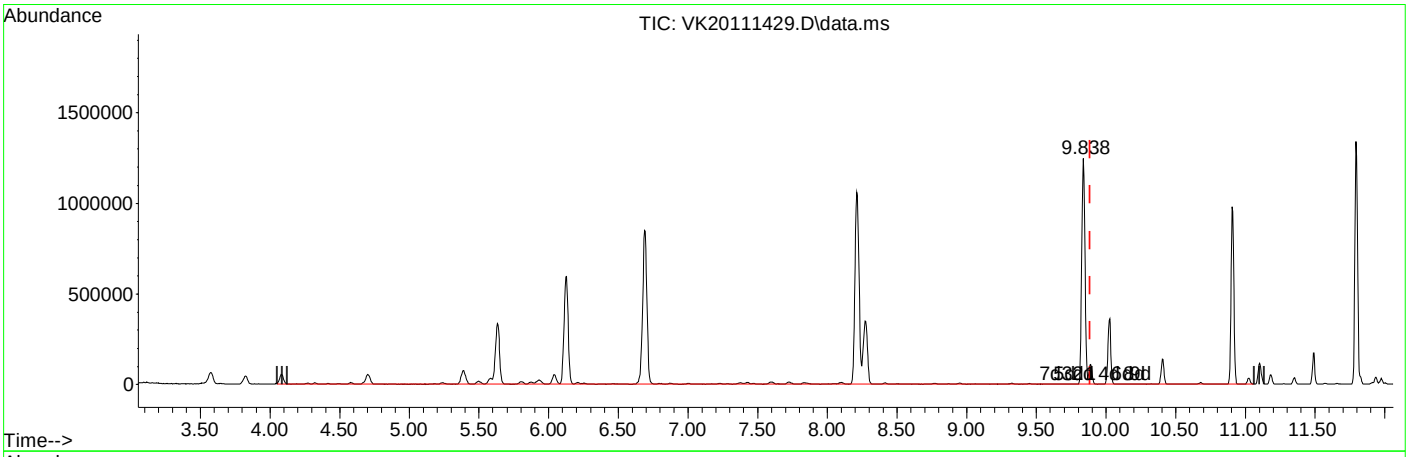
response 4357271

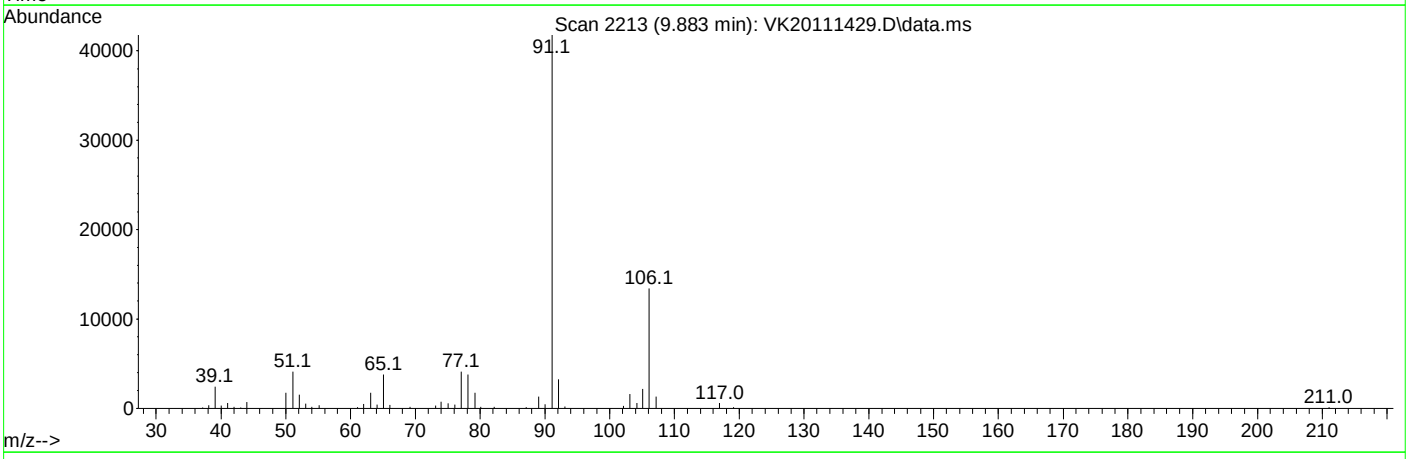
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.02#
0.00	0.00	0.01#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111429.D
Acq On : 15 Nov 2020 04:28 am
Operator : TNL
Sample : 0K14006-CALE
Misc : 1X 5mL DI+MeOH 250PPB GX
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Nov 15 16:28:26 2020
Quant Method : C:\GCMS\1\methods\VK201115G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Oct 15 12:28:28 2020
Response via : Initial Calibration





TIC: VK20111429.D\data.ms

(6) TPHg (C6-C10) (H)

9.883min (0.000) 0.00 ug/L m

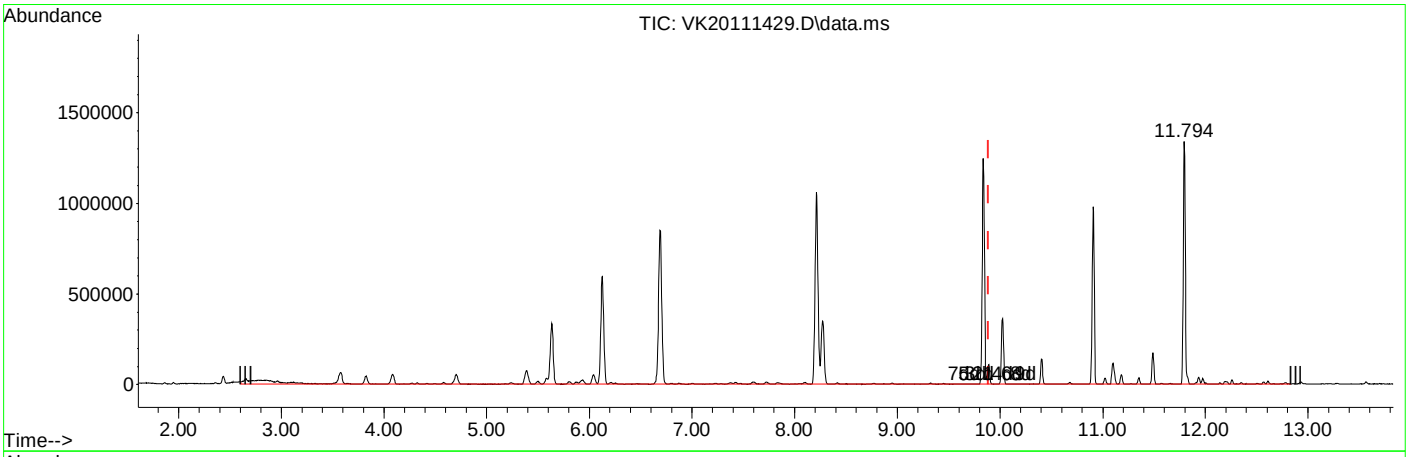
response 3937759

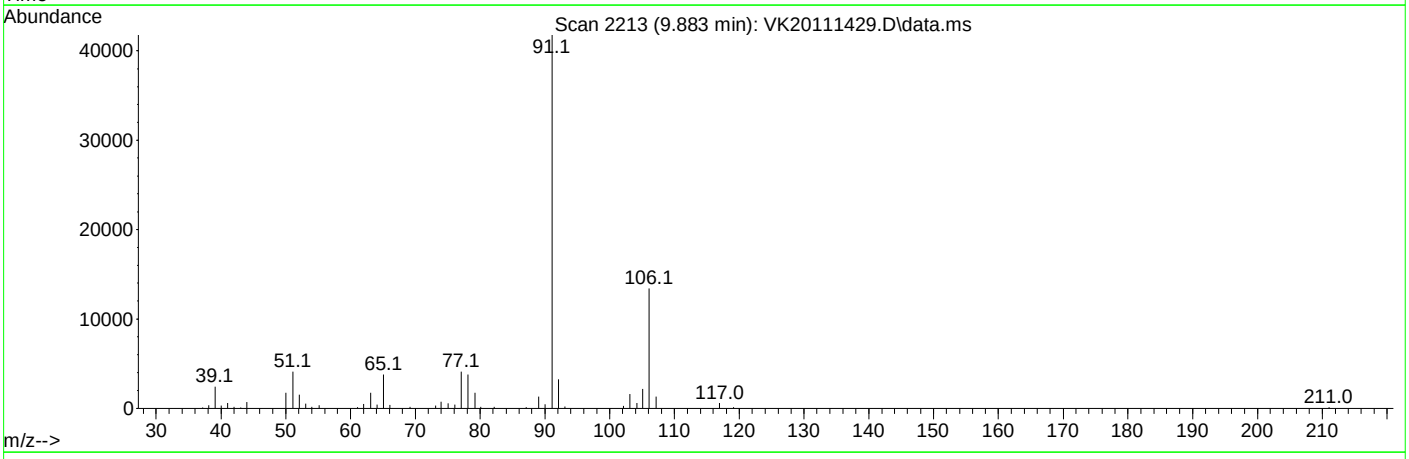
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.02#
0.00	0.00	0.01#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111429.D
Acq On : 15 Nov 2020 04:28 am
Operator : TNL
Sample : 0K14006-CALE
Misc : 1X 5mL DI+MeOH 250PPB GX
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Nov 15 16:28:26 2020
Quant Method : C:\GCMS\1\methods\VK201115G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Oct 15 12:28:28 2020
Response via : Initial Calibration





TIC: VK20111429.D\data.ms

(7) CA-LUFT (C5-C12) (H)

9.883min (0.000) 411.21 ug/L m

response 5298645

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.01#
0.00	0.00	0.01#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111429.D
Acq On : 15 Nov 2020 04:28 am
Operator : TNL
Sample : 0K14006-CALE
Misc : 1X 5mL DI+MeOH 250PPB GX
ALS Vial : 24 Sample Multiplier: 1

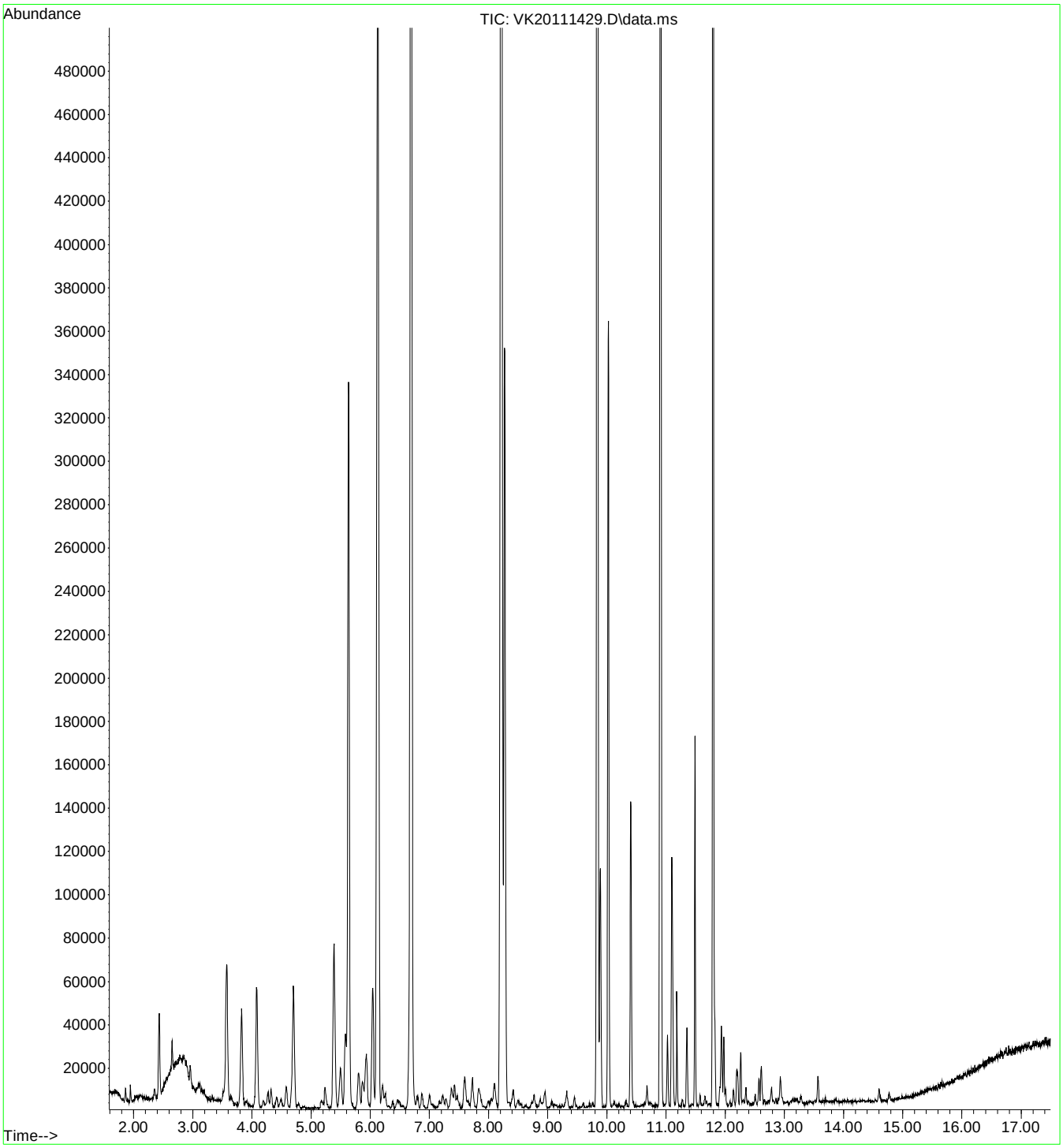
11/15/20 TNL

Quant Time: Nov 15 16:28:26 2020
Quant Method : C:\GCMS\1\methods\VK201115G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Oct 15 12:28:28 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.126	168	416340	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.689	114	751378	59.60	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.910	174	224571	48.71	ug/L	0.00
9) Toluene-d8 (NR)	8.211	98	808157	0.00	ug/L	0.00
11) Chlorobenzene-d5 (NR)	9.838	117	673403	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.794	150	457581	0.00	ug/L	0.00
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.883	TIC	3412685m	377.57	ug/L	
7) CA-LUFT (C5-C12)	9.883	TIC	5298645m	411.21	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

File :C:\GCMS\1\data\2020-11\0K14006\VK20111429.D
Operator : TNL
Acquired : 15 Nov 2020 04:28 am using AcqMethod VK2004RUN.M
Instrument : VOA-GCMS11
Sample Name: 0K14006-CALE
Misc Info : 1X 5mL DI+MeOH 250PPB GX
Vial Number: 24



Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111430.D
Acq On : 15 Nov 2020 04:55 am
Operator : TNL
Sample : 0K14006-CALF
Misc : 1X 5mL DI+MeOH 500PPB GX
ALS Vial : 25 Sample Multiplier: 1

11/15/20 TNL

Quant Time: Nov 15 16:29:07 2020
Quant Method : C:\GCMS\1\methods\VK201115G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Oct 15 12:28:28 2020
Response via : Initial Calibration

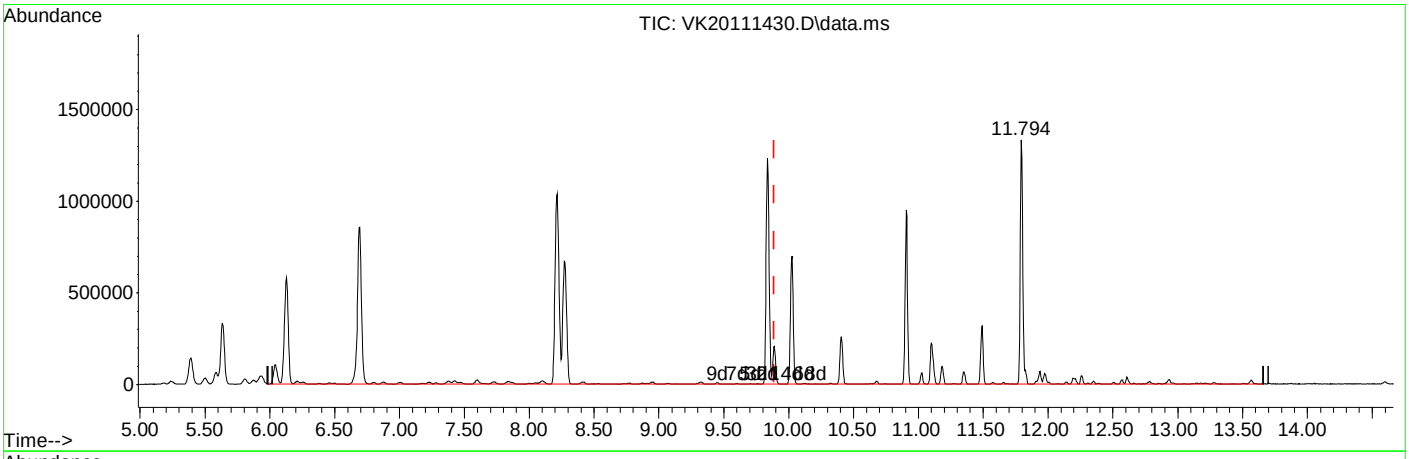
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.126	168	409667	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.692	114	742990	59.89	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.910	174	218535	48.18	ug/L	0.00
9) Toluene-d8 (NR)	8.214	98	792859	0.00	ug/L	0.00
11) Chlorobenzene-d5 (NR)	9.838	117	652793	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.794	150	451993	0.00	ug/L	0.00
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.883	TIC	6198326m	709.72	ug/L	
7) CA-LUFT (C5-C12)	9.883	TIC	8835761m	739.05	ug/L	

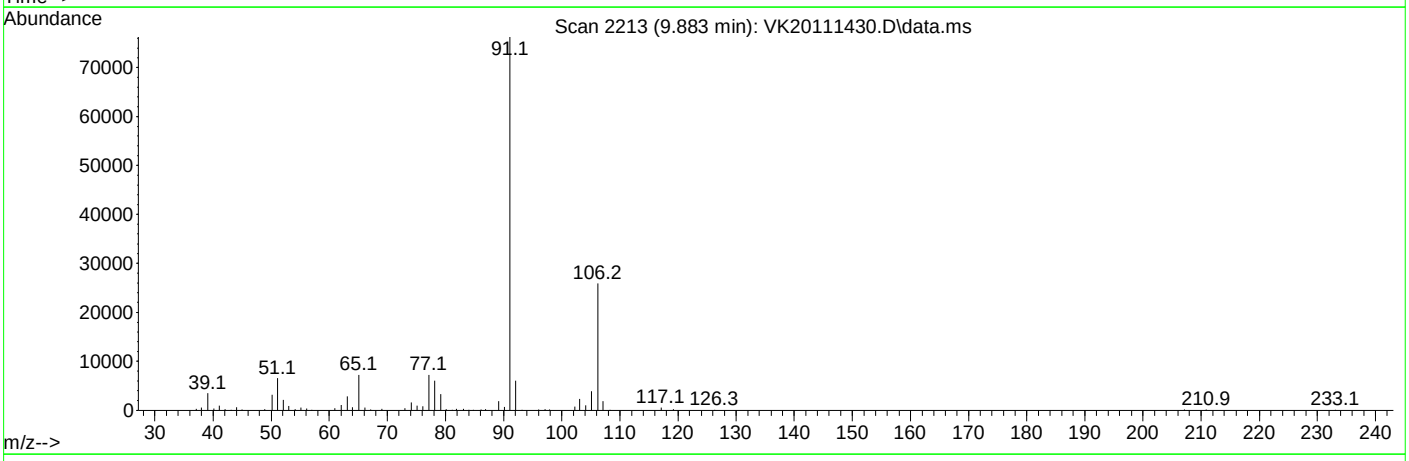
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111430.D
Acq On : 15 Nov 2020 04:55 am
Operator : TNL
Sample : 0K14006-CALF
Misc : 1X 5mL DI+MeOH 500PPB GX
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 15 16:29:07 2020
Quant Method : C:\GCMS\1\methods\VK201115G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Oct 15 12:28:28 2020
Response via : Initial Calibration





TIC: VK20111430.D\data.ms

(4) NWTPH-Gx (TPH) (H)

9.883min (0.000) 709.72 ug/L m

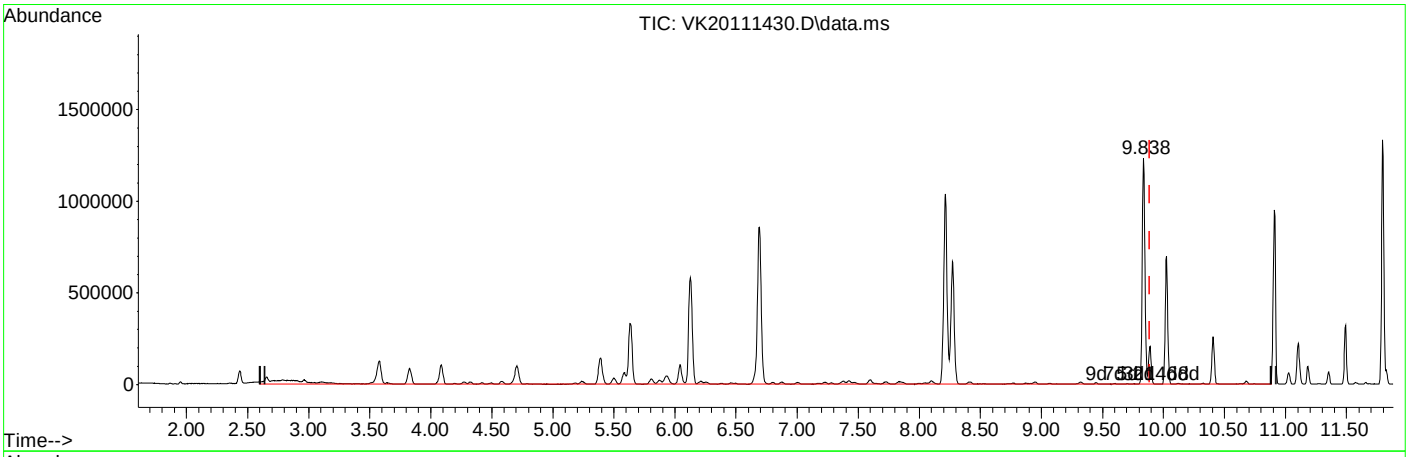
response 6198326

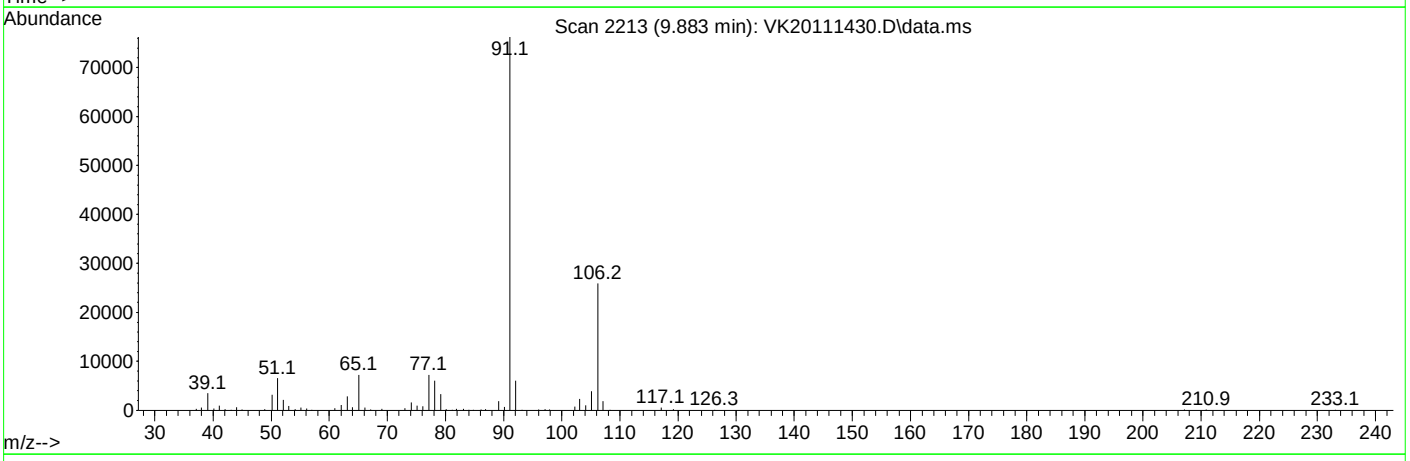
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.02#
0.00	0.00	0.01#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111430.D
Acq On : 15 Nov 2020 04:55 am
Operator : TNL
Sample : 0K14006-CALF
Misc : 1X 5mL DI+MeOH 500PPB GX
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 15 16:29:07 2020
Quant Method : C:\GCMS\1\methods\VK201115G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Oct 15 12:28:28 2020
Response via : Initial Calibration





TIC: VK20111430.D\data.ms

(5) TPHg (C5-C9) (H)

9.883min (0.000) 0.00 ug/L m

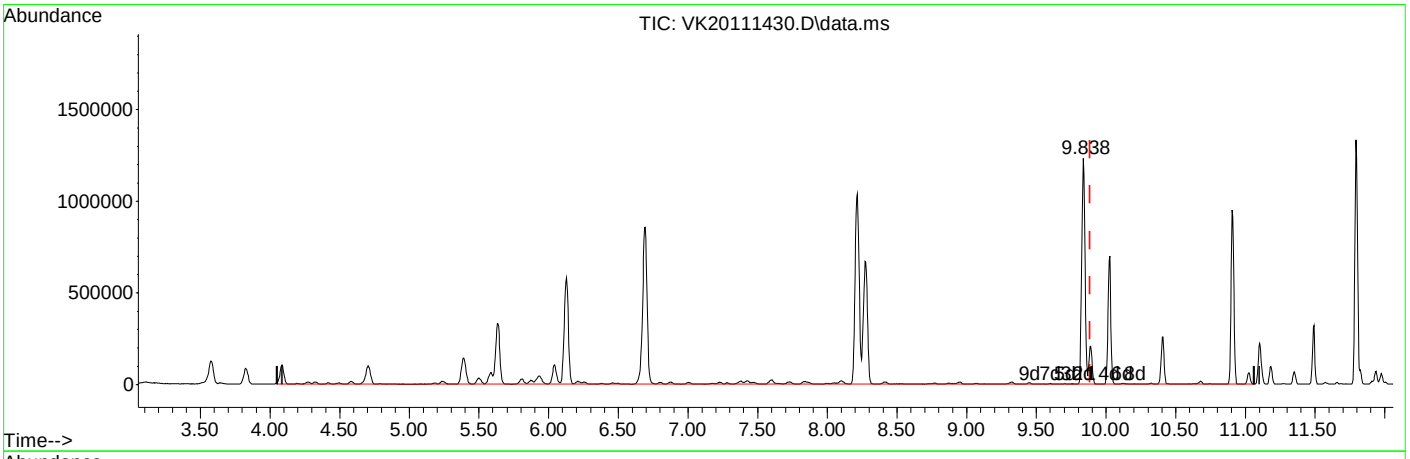
response 7073342

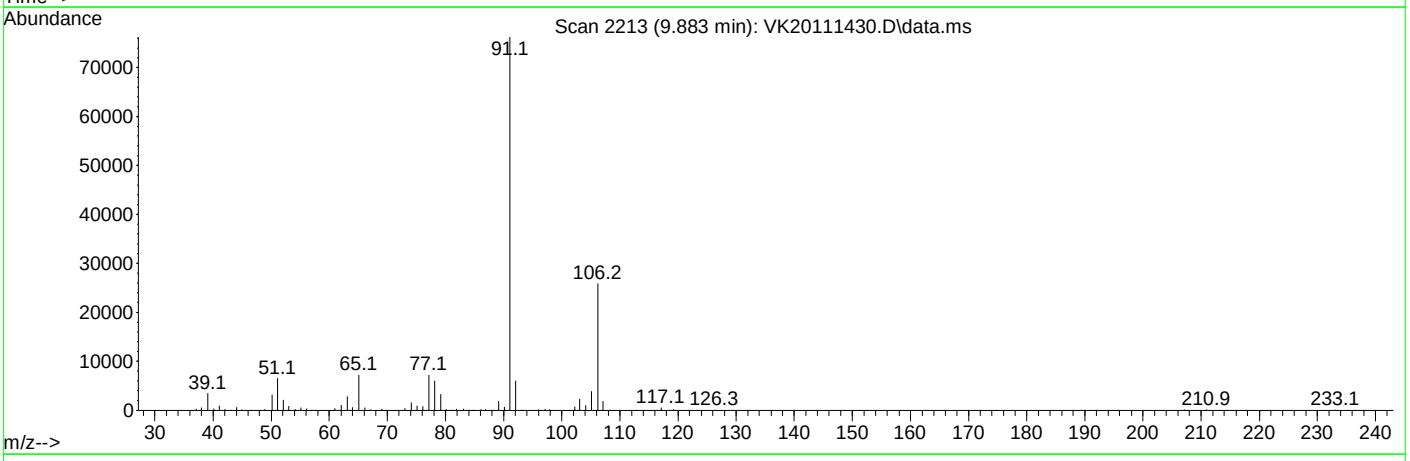
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.02#
0.00	0.00	0.01#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111430.D
Acq On : 15 Nov 2020 04:55 am
Operator : TNL
Sample : 0K14006-CALF
Misc : 1X 5mL DI+MeOH 500PPB GX
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 15 16:29:07 2020
Quant Method : C:\GCMS\1\methods\VK201115G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Oct 15 12:28:28 2020
Response via : Initial Calibration





TIC: VK20111430.D\data.ms

(6) TPHg (C6-C10) (H)

9.883min (0.000) 0.00 ug/L m

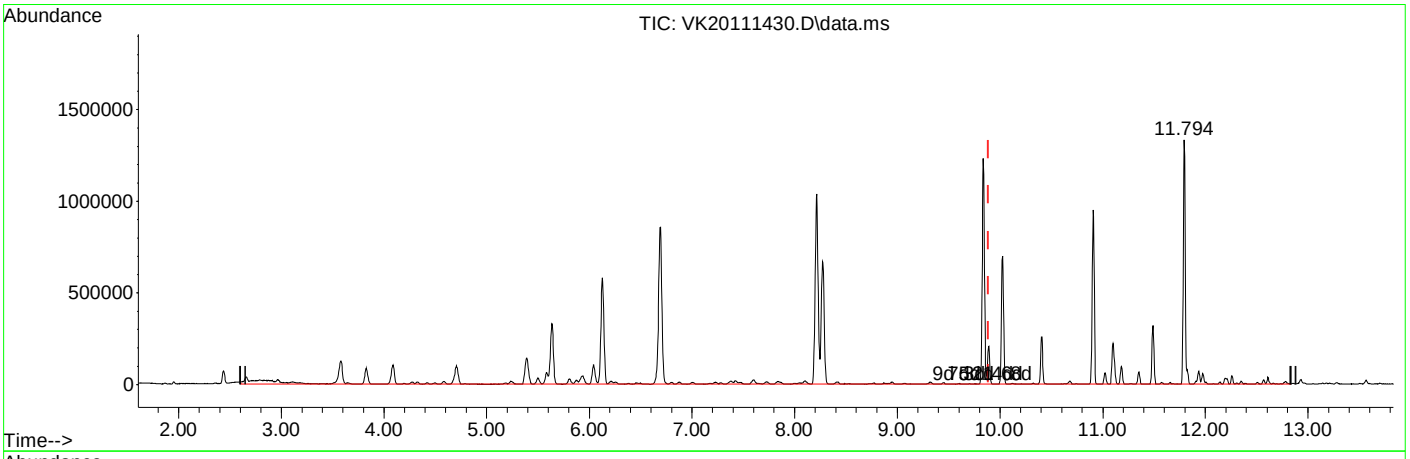
response 6501891

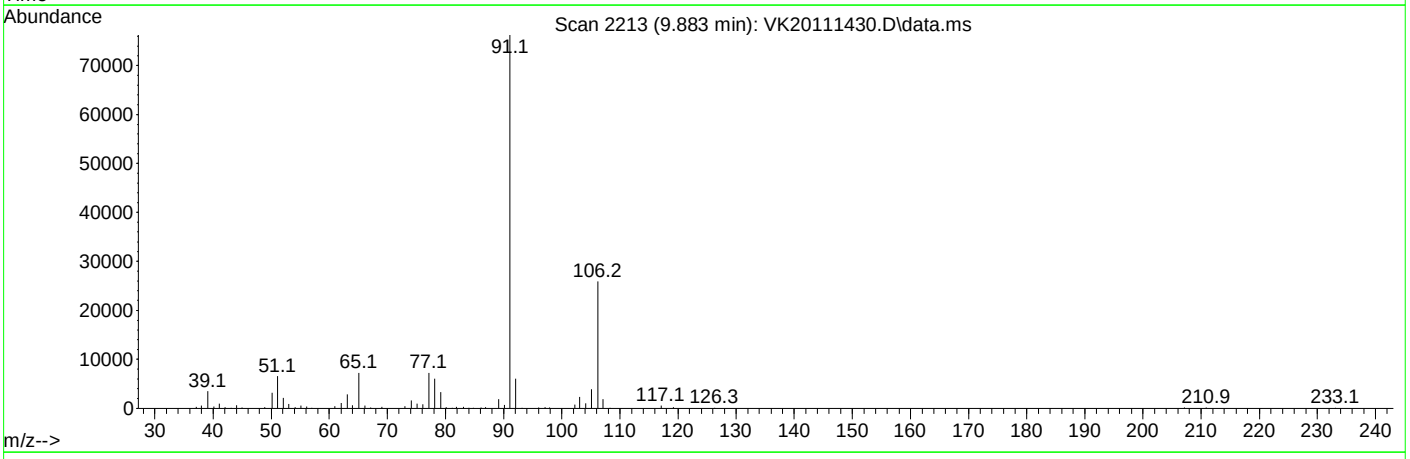
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.02#
0.00	0.00	0.01#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111430.D
Acq On : 15 Nov 2020 04:55 am
Operator : TNL
Sample : 0K14006-CALF
Misc : 1X 5mL DI+MeOH 500PPB GX
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 15 16:29:07 2020
Quant Method : C:\GCMS\1\methods\VK201115G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Oct 15 12:28:28 2020
Response via : Initial Calibration





TIC: VK20111430.D\data.ms

(7) CA-LUFT (C5-C12) (H)

9.883min (0.000) 739.05 ug/L m

response 8835761

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.02#
0.00	0.00	0.01#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111430.D
Acq On : 15 Nov 2020 04:55 am
Operator : TNL
Sample : 0K14006-CALF
Misc : 1X 5mL DI+MeOH 500PPB GX
ALS Vial : 25 Sample Multiplier: 1

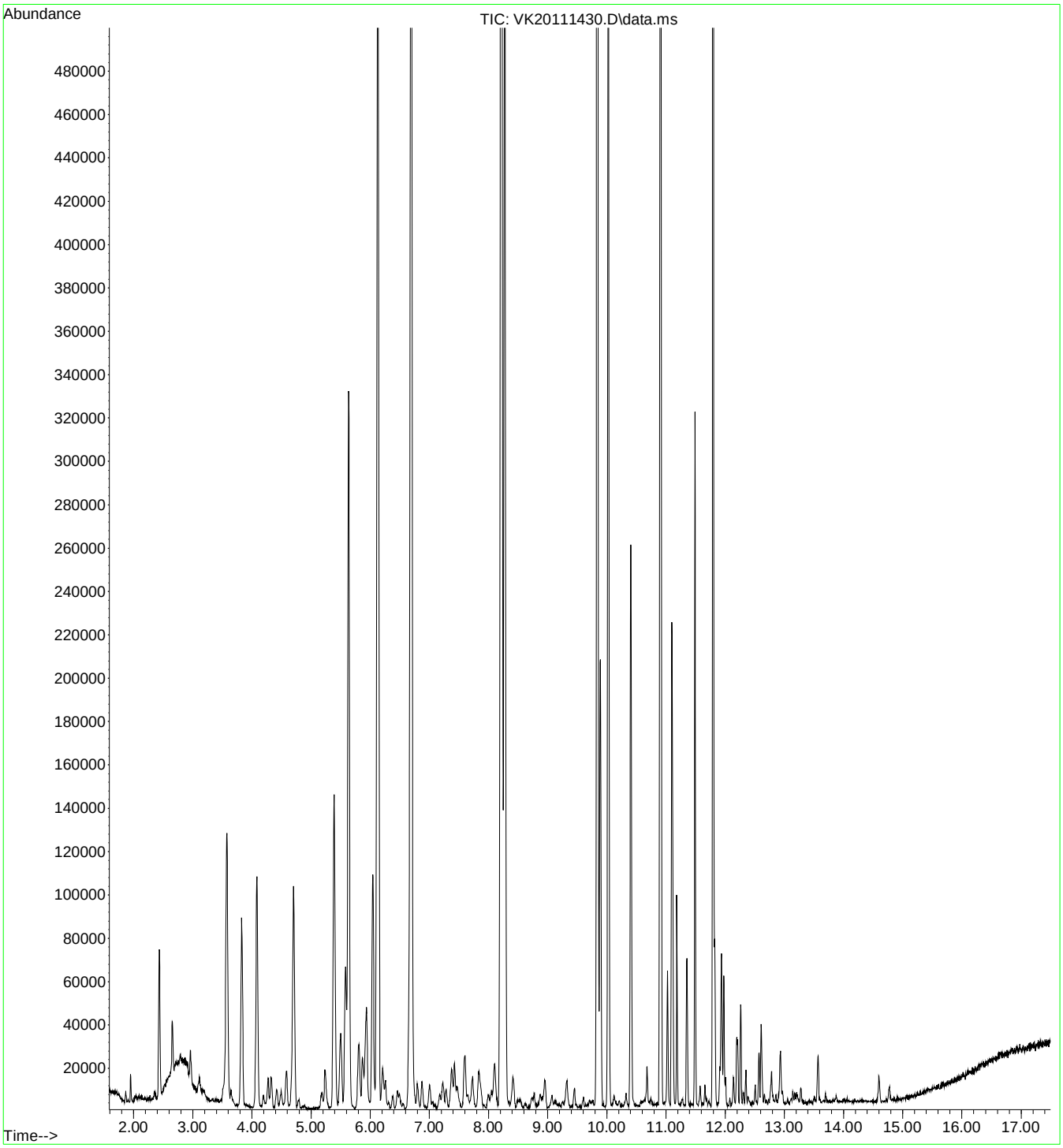
11/15/20 TNL

Quant Time: Nov 15 16:29:07 2020
Quant Method : C:\GCMS\1\methods\VK201115G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Oct 15 12:28:28 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.126	168	409667	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.692	114	742990	59.89	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.910	174	218535	48.18	ug/L	0.00
9) Toluene-d8 (NR)	8.214	98	792859	0.00	ug/L	0.00
11) Chlorobenzene-d5 (NR)	9.838	117	652793	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.794	150	451993	0.00	ug/L	0.00
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.883	TIC	6198326m	709.72	ug/L	
7) CA-LUFT (C5-C12)	9.883	TIC	8835761m	739.05	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

File :C:\GCMS\1\data\2020-11\0K14006\VK20111430.D
Operator : TNL
Acquired : 15 Nov 2020 04:55 am using AcqMethod VK2004RUN.M
Instrument : VOA-GCMS11
Sample Name: 0K14006-CALF
Misc Info : 1X 5mL DI+MeOH 500PPB GX
Vial Number: 25



Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111431.D
Acq On : 15 Nov 2020 05:22 am
Operator : TNL
Sample : 0K14006-CALG
Misc : 1X 5mL DI+MeOH 1000PPB GX
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Nov 15 16:29:49 2020 11/15/20 TNL
Quant Method : C:\GCMS\1\methods\VK201115G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Oct 15 12:28:28 2020
Response via : Initial Calibration

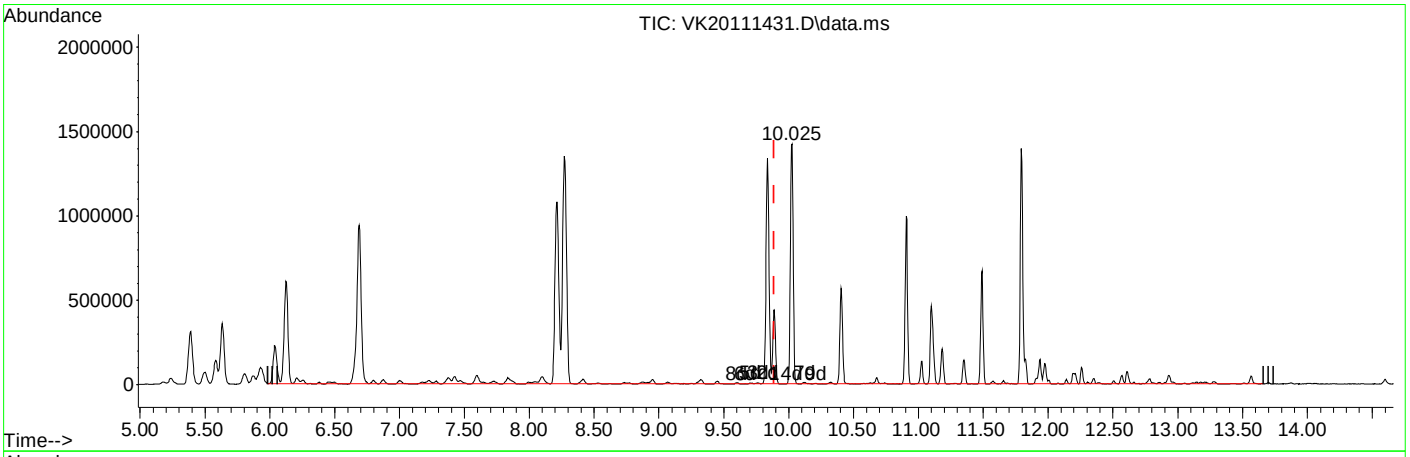
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.123	168	429868	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.689	114	789672	60.66	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.906	174	232686	48.89	ug/L	0.00
9) Toluene-d8 (NR)	8.214	98	838567	0.00	ug/L	0.00
11) Chlorobenzene-d5 (NR)	9.837	117	695197	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.794	150	472185	0.00	ug/L	0.00
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.883	TIC	12816763m	1408.79	ug/L	
7) CA-LUFT (C5-C12)	9.883	TIC	17579687m	1450.98	ug/L	

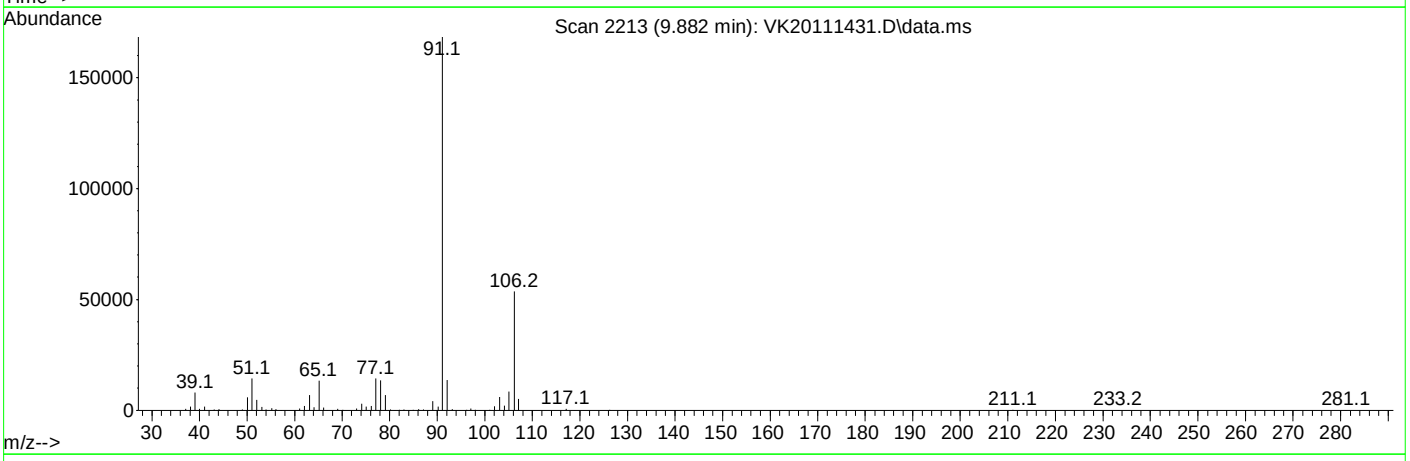
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111431.D
Acq On : 15 Nov 2020 05:22 am
Operator : TNL
Sample : 0K14006-CALG
Misc : 1X 5mL DI+MeOH 1000PPB GX
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Nov 15 16:29:49 2020
Quant Method : C:\GCMS\1\methods\VK201115G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Oct 15 12:28:28 2020
Response via : Initial Calibration





TIC: VK20111431.D\data.ms

(4) NWTPH-Gx (TPH) (H)

9.883min (0.000) 1408.79 ug/L m

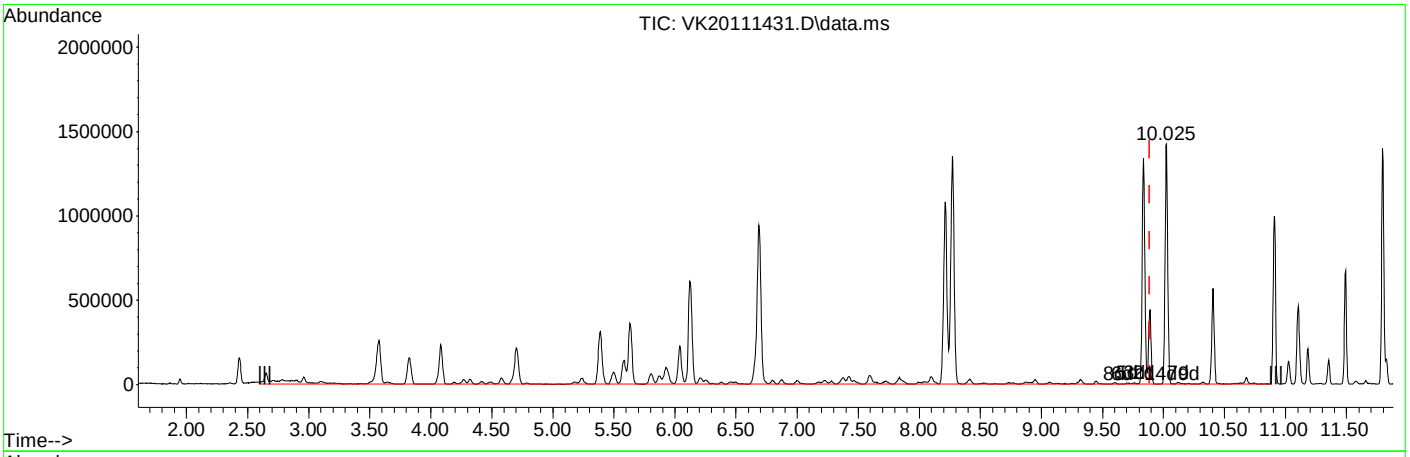
response 12816763

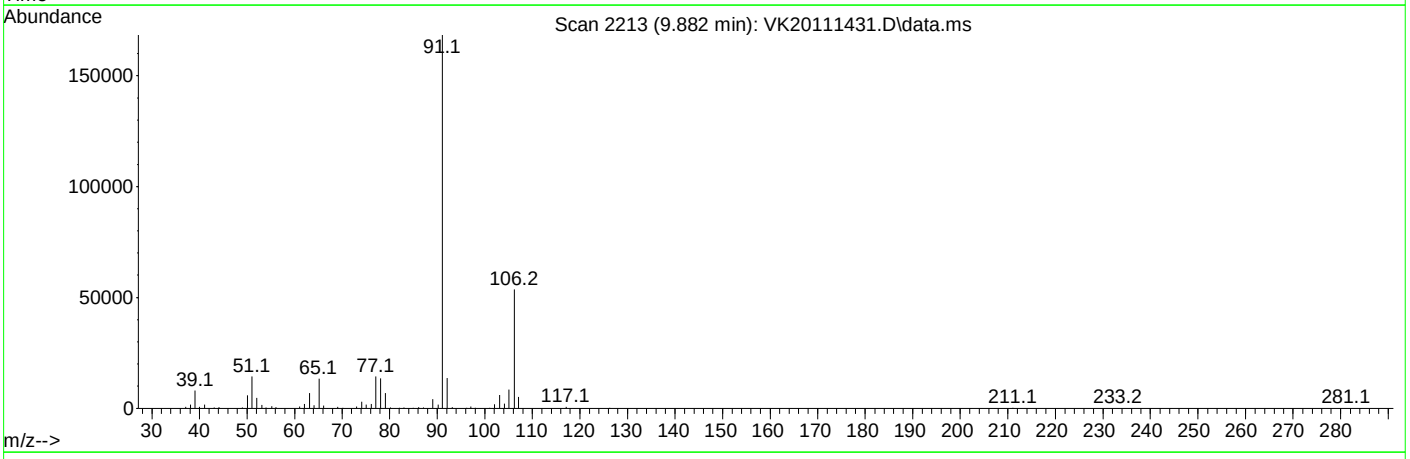
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.02#
0.00	0.00	0.01#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111431.D
Acq On : 15 Nov 2020 05:22 am
Operator : TNL
Sample : 0K14006-CALG
Misc : 1X 5mL DI+MeOH 1000PPB GX
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Nov 15 16:29:49 2020
Quant Method : C:\GCMS\1\methods\VK201115G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Oct 15 12:28:28 2020
Response via : Initial Calibration





TIC: VK20111431.D\data.ms

(5) TPHg (C5-C9) (H)

9.883min (0.000) 0.00 ug/L m

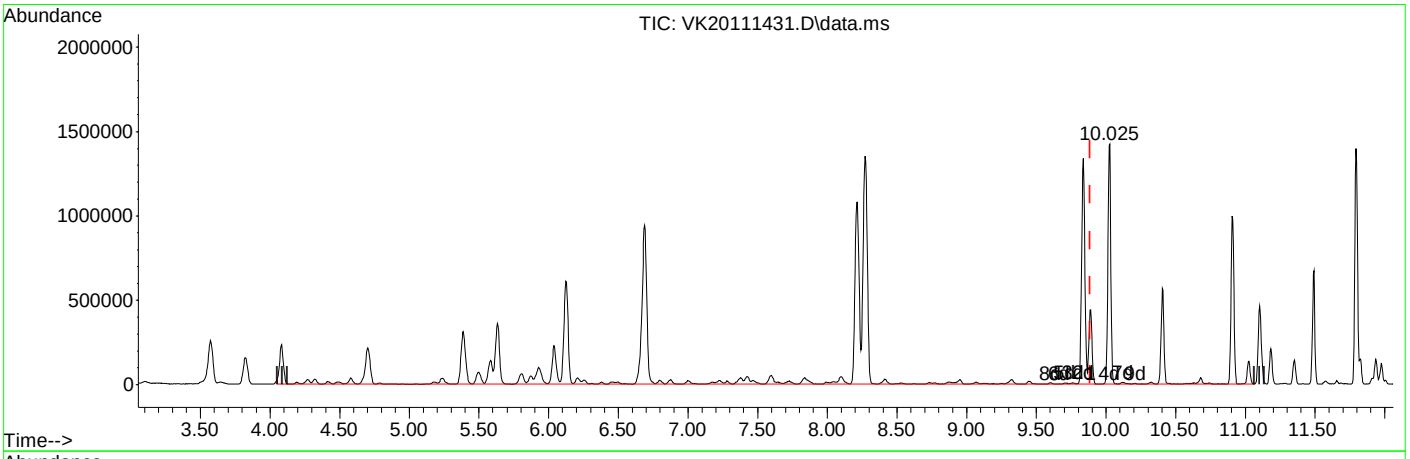
response 14048559

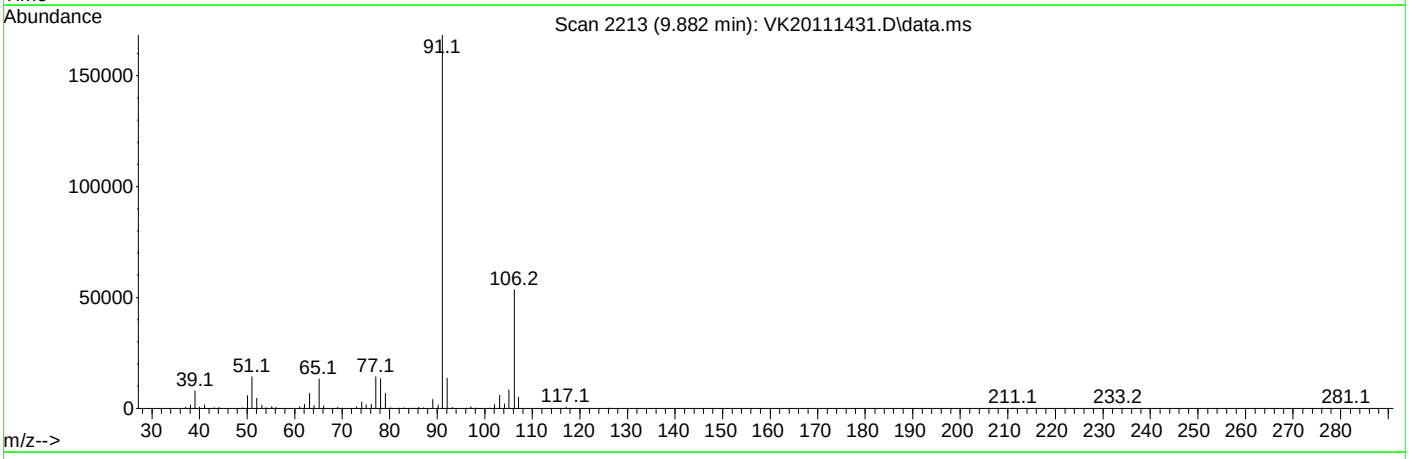
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.02#
0.00	0.00	0.01#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111431.D
Acq On : 15 Nov 2020 05:22 am
Operator : TNL
Sample : 0K14006-CALG
Misc : 1X 5mL DI+MeOH 1000PPB GX
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Nov 15 16:29:49 2020
Quant Method : C:\GCMS\1\methods\VK201115G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Oct 15 12:28:28 2020
Response via : Initial Calibration





TIC: VK20111431.D\data.ms

(6) TPHg (C6-C10) (H)

9.883min (0.000) 0.00 ug/L m

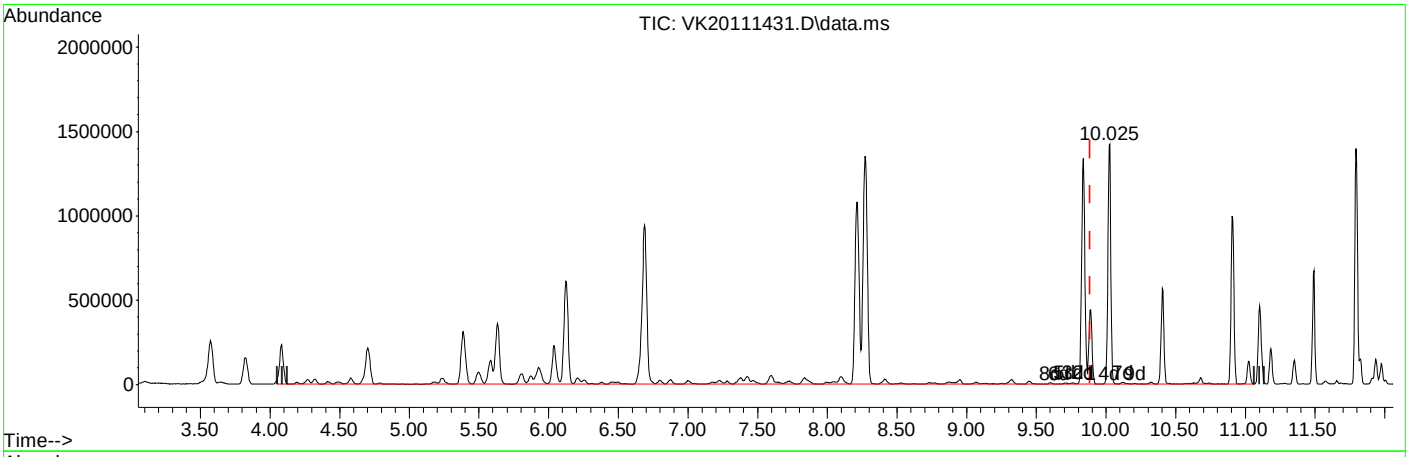
response 12900645

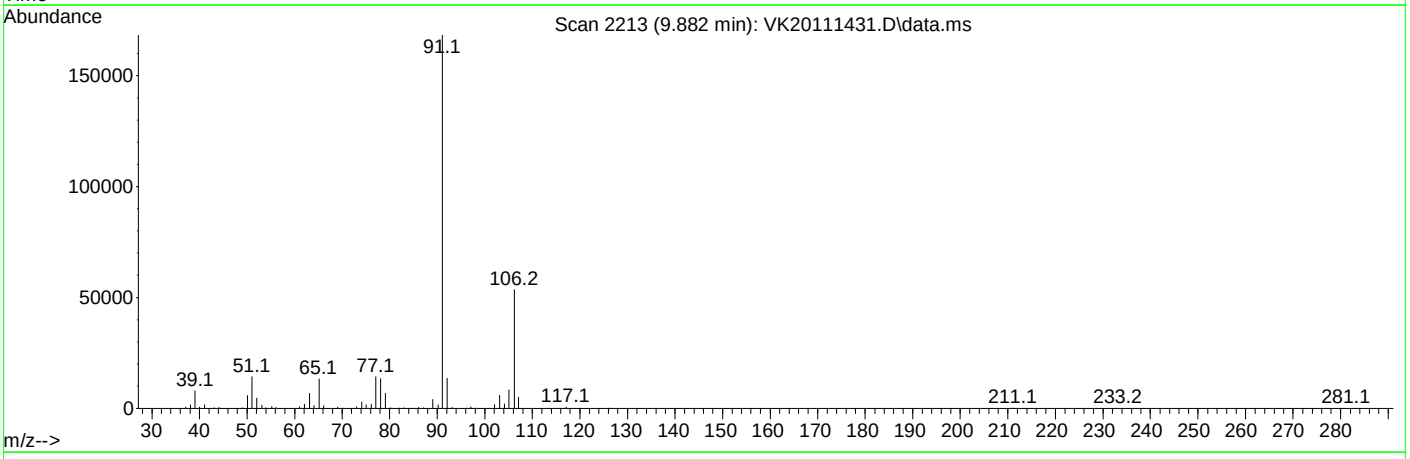
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.02#
0.00	0.00	0.01#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111431.D
Acq On : 15 Nov 2020 05:22 am
Operator : TNL
Sample : 0K14006-CALG
Misc : 1X 5mL DI+MeOH 1000PPB GX
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Nov 15 16:29:49 2020
Quant Method : C:\GCMS\1\methods\VK201115G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Oct 15 12:28:28 2020
Response via : Initial Calibration





TIC: VK20111431.D\data.ms

(6) TPHg (C6-C10) (H)

9.883min (0.000) 0.00 ug/L m

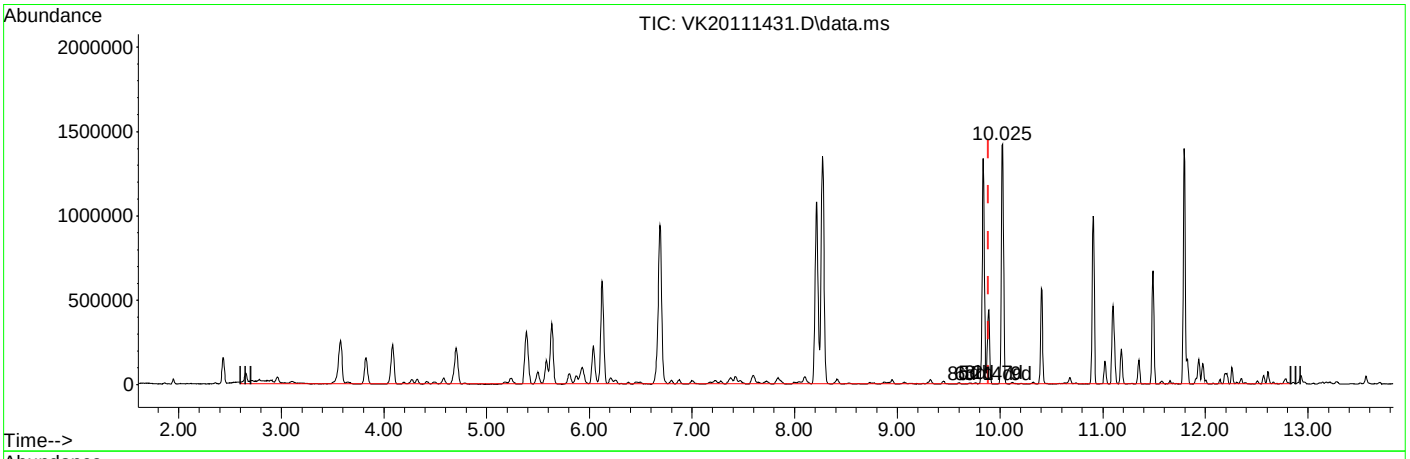
response 12900645

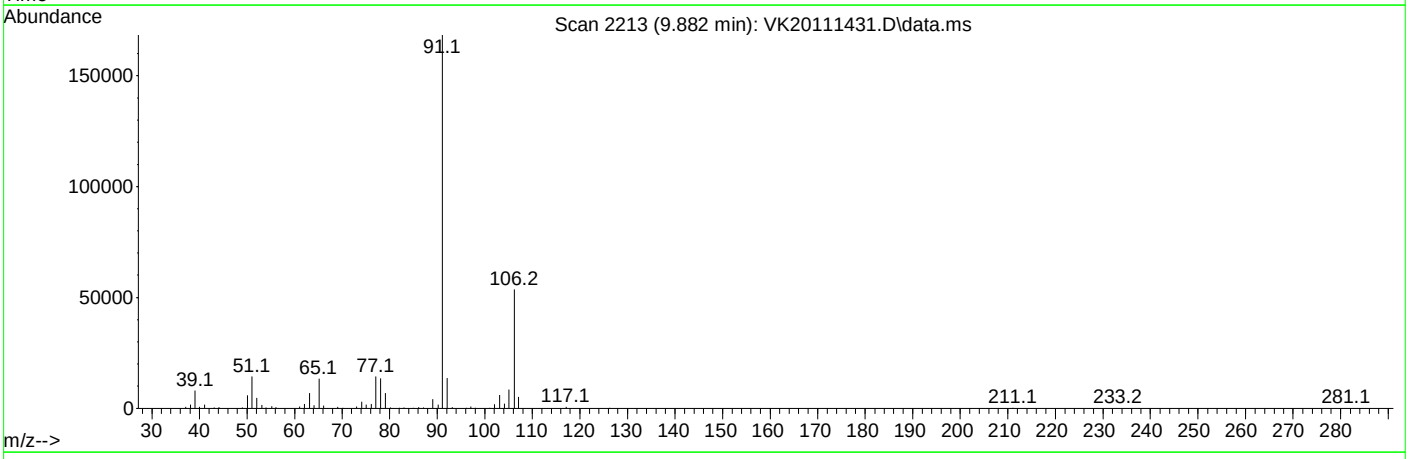
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.02#
0.00	0.00	0.01#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111431.D
Acq On : 15 Nov 2020 05:22 am
Operator : TNL
Sample : 0K14006-CALG
Misc : 1X 5mL DI+MeOH 1000PPB GX
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Nov 15 16:29:49 2020
Quant Method : C:\GCMS\1\methods\VK201115G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Oct 15 12:28:28 2020
Response via : Initial Calibration





TIC: VK20111431.D\data.ms

(7) CA-LUFT (C5-C12) (H)

9.883min (0.000) 1450.98 ug/L m

response 17579687

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.02#
0.00	0.00	0.01#
0.00	0.00	0.00

Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111431.D
Acq On : 15 Nov 2020 05:22 am
Operator : TNL
Sample : 0K14006-CALG
Misc : 1X 5mL DI+MeOH 1000PPB GX
ALS Vial : 26 Sample Multiplier: 1

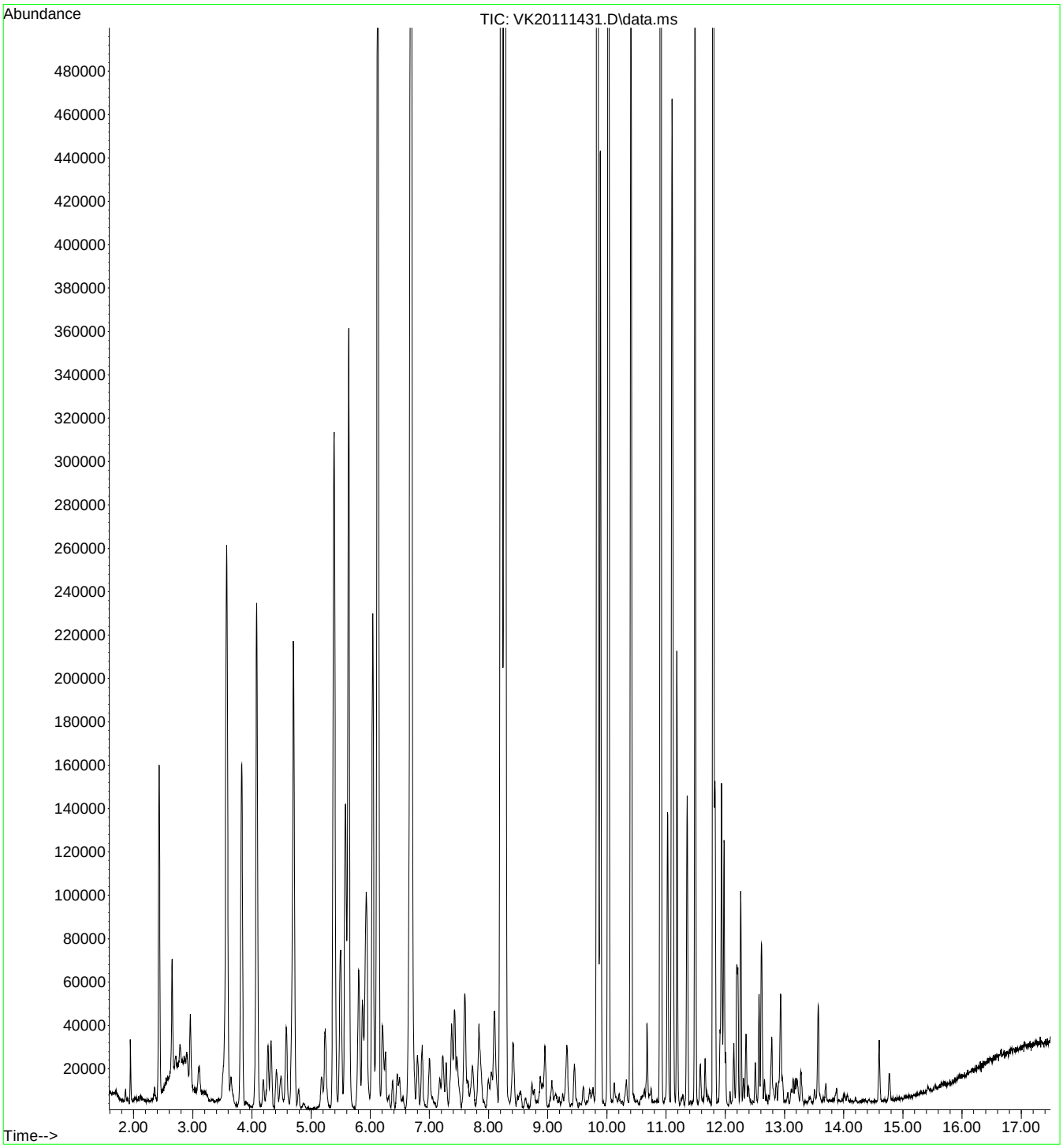
11/15/20 TNL

Quant Time: Nov 15 16:31:08 2020
Quant Method : C:\GCMS\1\methods\VK201115G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Oct 15 12:28:28 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.123	168	429868	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.689	114	789672	60.66	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.906	174	232686	48.89	ug/L	0.00
9) Toluene-d8 (NR)	8.214	98	838567	0.00	ug/L	0.00
11) Chlorobenzene-d5 (NR)	9.837	117	695197	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.794	150	472185	0.00	ug/L	0.00
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.883	TIC	12816763m	1408.79	ug/L	
7) CA-LUFT (C5-C12)	9.883	TIC	17579687m	1450.98	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

File :C:\GCMS\1\data\2020-11\0K14006\VK20111431.D
Operator : TNL
Acquired : 15 Nov 2020 05:22 am using AcqMethod VK2004RUN.M
Instrument : VOA-GCMS11
Sample Name: 0K14006-CALG
Misc Info : 1X 5mL DI+MeOH 1000PPB GX
Vial Number: 26



Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111432.D
Acq On : 15 Nov 2020 05:49 am
Operator : TNL
Sample : 0K14006-CALH
Misc : 1X 5mL DI+MeOH 2500PPB GX
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Nov 15 16:31:20 2020
Quant Method : C:\GCMS\1\methods\VK201115G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Oct 15 12:28:28 2020
Response via : Initial Calibration

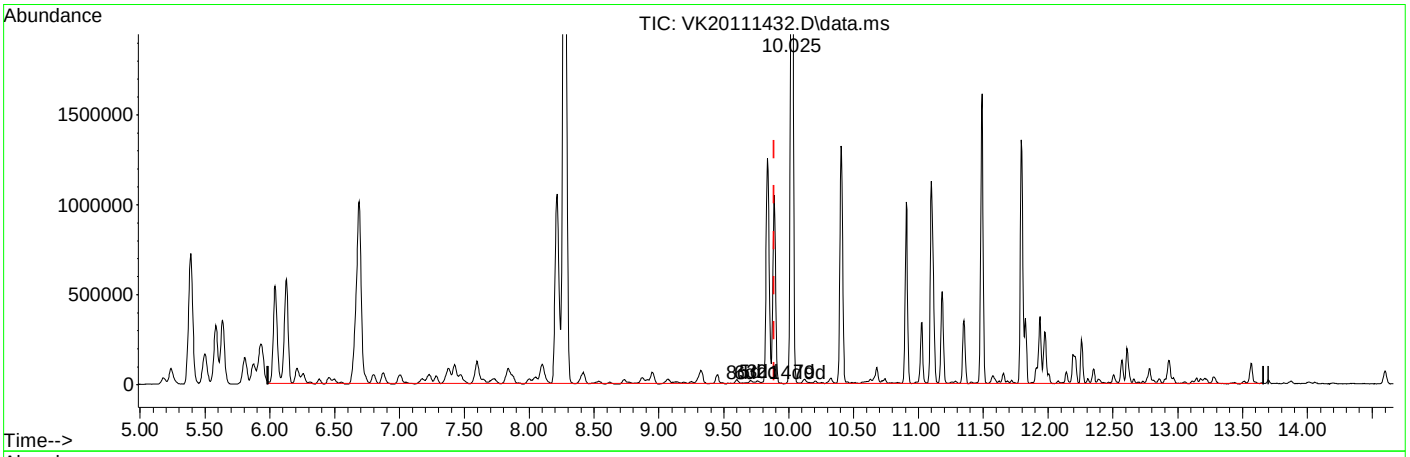
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.126	168	412796	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.692	114	744795	59.58	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.910	174	223348	48.87	ug/L	0.00
9) Toluene-d8 (NR)	8.214	98	799922	0.00	ug/L	0.00
11) Chlorobenzene-d5 (NR)	9.838	117	656350	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.794	150	464002	0.00	ug/L	0.00
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.883	TIC	30578094m	3480.48	ug/L	
7) CA-LUFT (C5-C12)	9.883	TIC	40537855m	3525.30	ug/L	

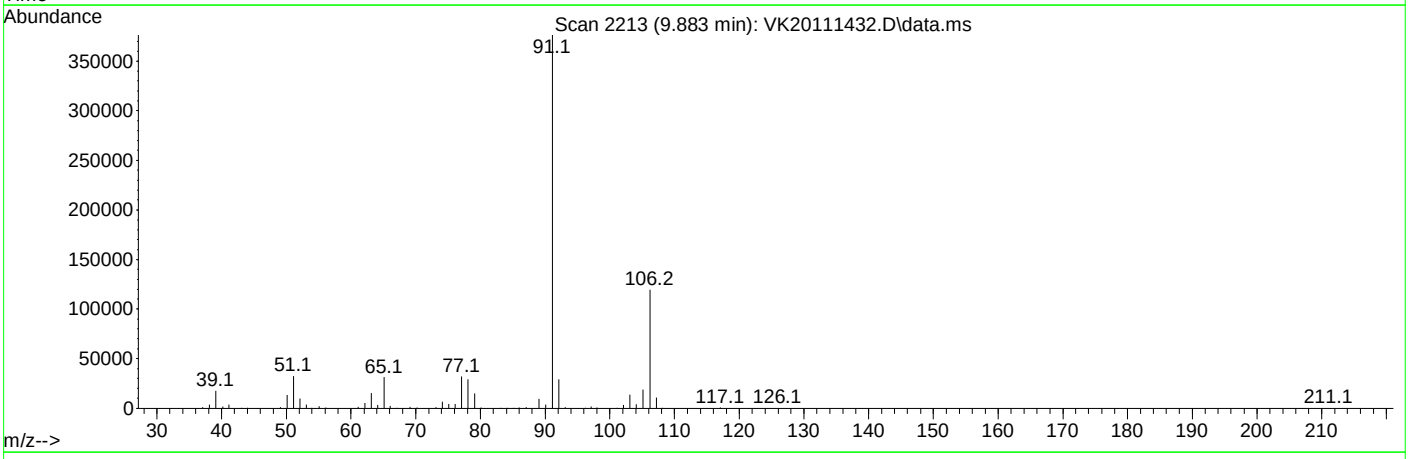
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111432.D
Acq On : 15 Nov 2020 05:49 am
Operator : TNL
Sample : 0K14006-CALH
Misc : 1X 5mL DI+MeOH 2500PPB GX
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Nov 15 16:31:20 2020
Quant Method : C:\GCMS\1\methods\VK201115G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Oct 15 12:28:28 2020
Response via : Initial Calibration





TIC: VK20111432.D\data.ms

(4) NWTPH-Gx (TPH) (H)

9.883min (0.000) 3480.48 ug/L m

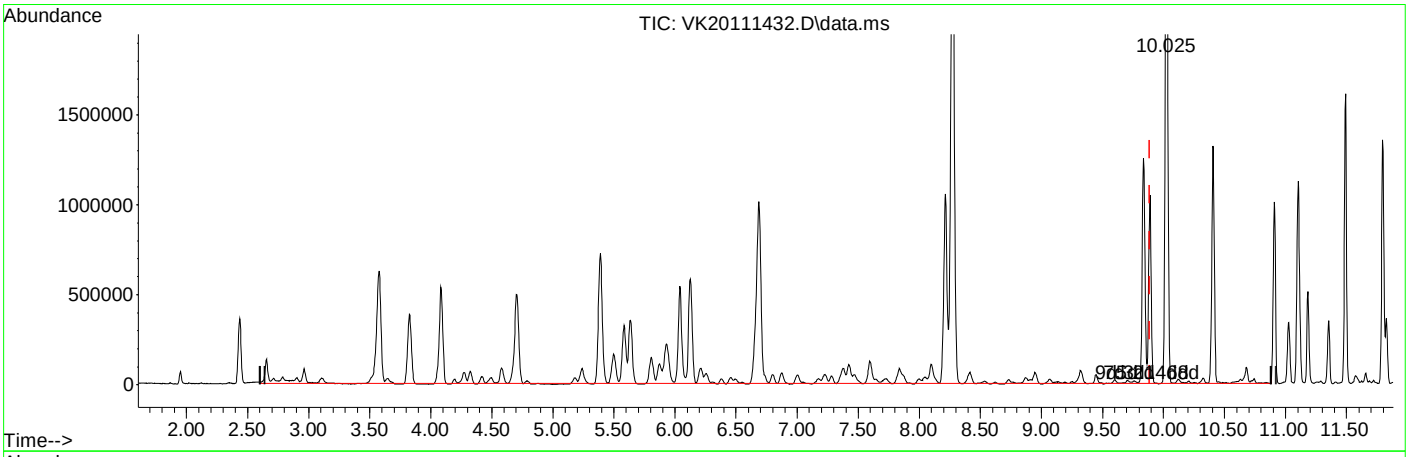
response 30578094

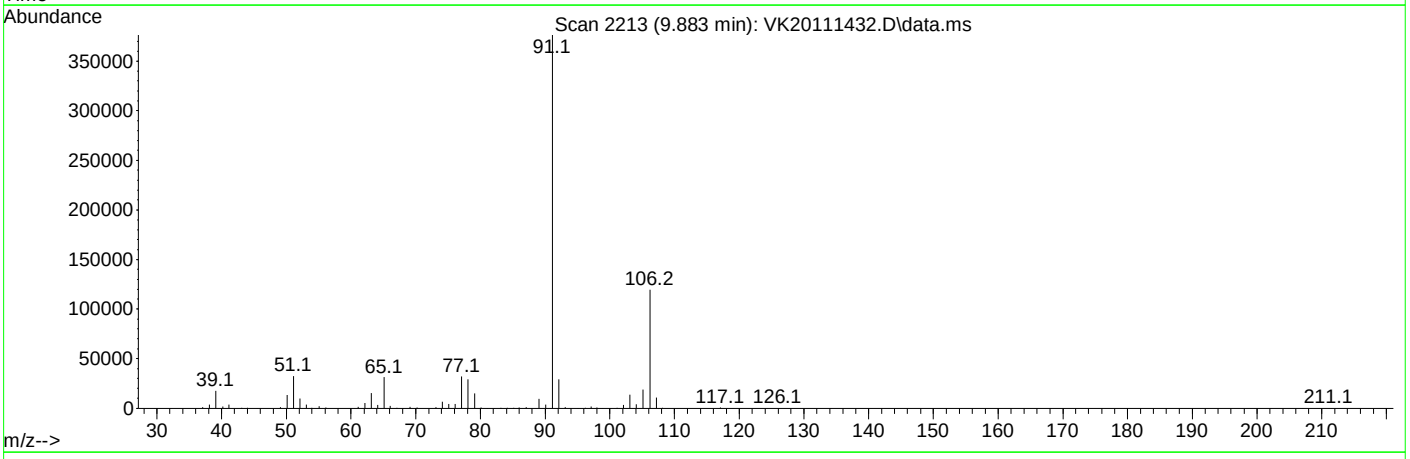
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.02#
0.00	0.00	0.01#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111432.D
Acq On : 15 Nov 2020 05:49 am
Operator : TNL
Sample : 0K14006-CALH
Misc : 1X 5mL DI+MeOH 2500PPB GX
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Nov 15 16:31:20 2020
Quant Method : C:\GCMS\1\methods\VK201115G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Oct 15 12:28:28 2020
Response via : Initial Calibration





TIC: VK20111432.D\data.ms

(5) TPHg (C5-C9) (H)

9.883min (0.000) 0.00 ug/L m

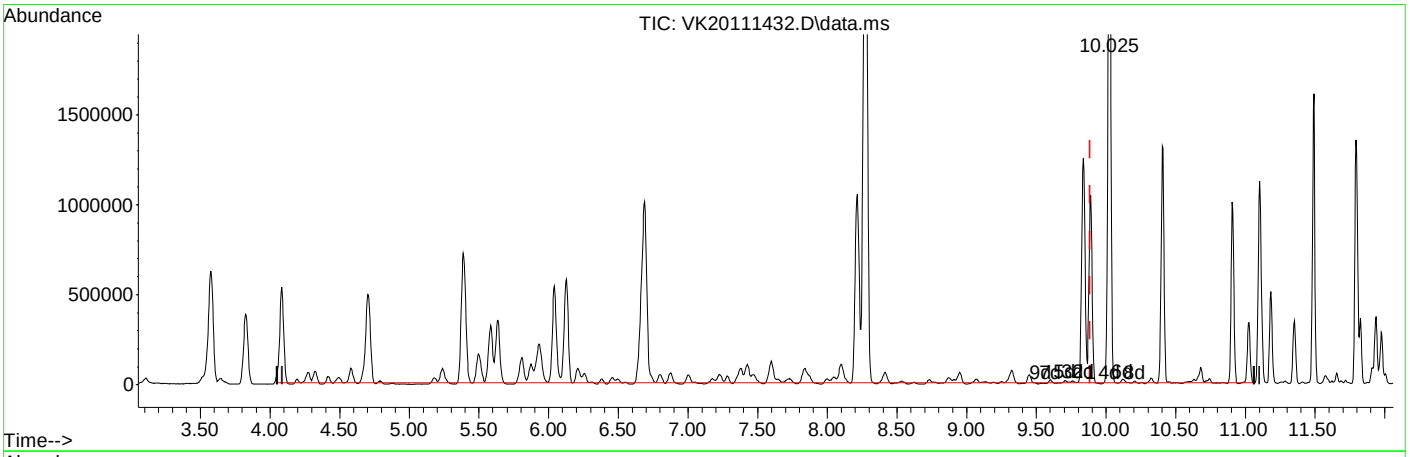
response 32003122

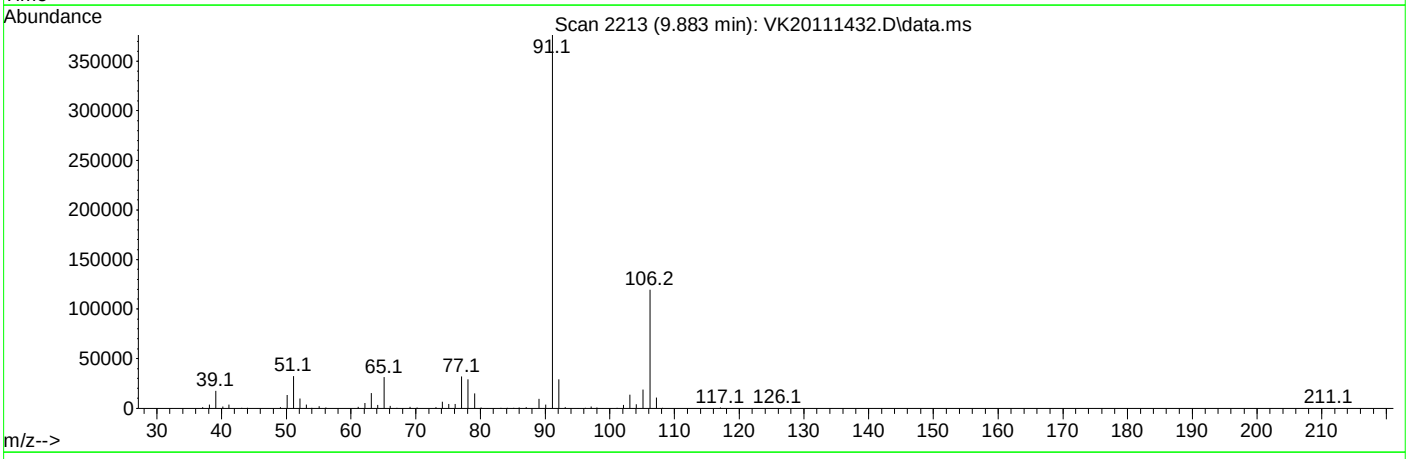
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.02#
0.00	0.00	0.01#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111432.D
Acq On : 15 Nov 2020 05:49 am
Operator : TNL
Sample : 0K14006-CALH
Misc : 1X 5mL DI+MeOH 2500PPB GX
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Nov 15 16:31:20 2020
Quant Method : C:\GCMS\1\methods\VK201115G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Oct 15 12:28:28 2020
Response via : Initial Calibration





TIC: VK20111432.D\data.ms

(6) TPHg (C6-C10) (H)

9.883min (0.000) 0.00 ug/L m

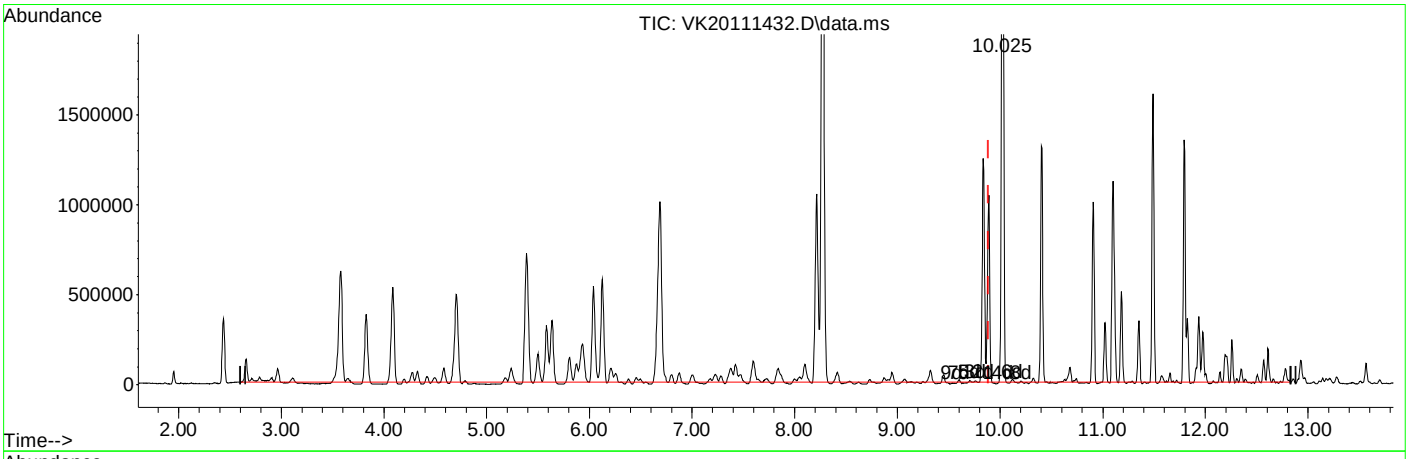
response 29196471

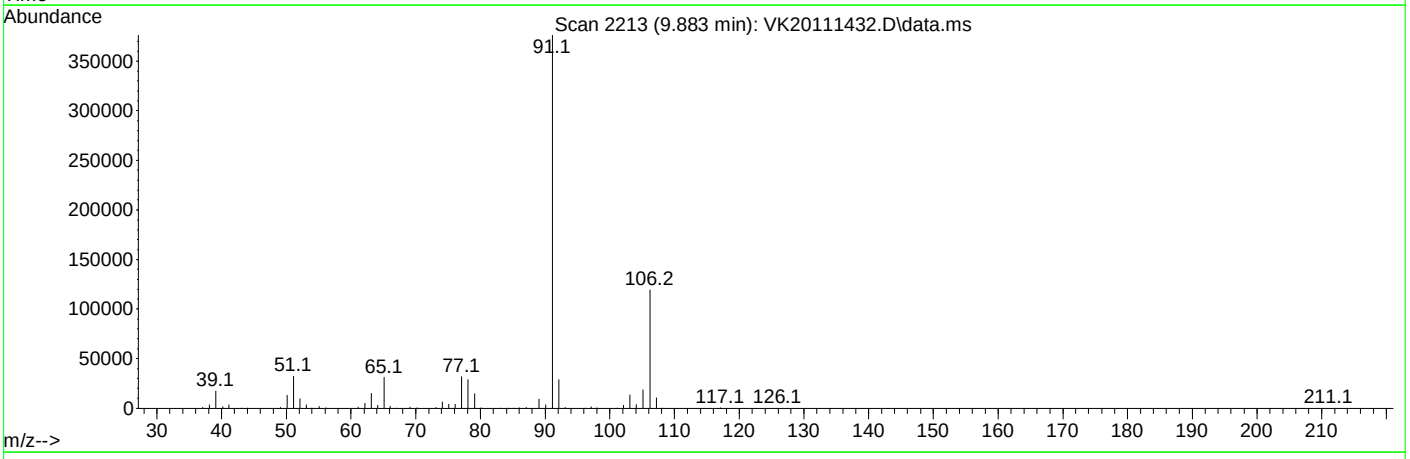
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.02#
0.00	0.00	0.01#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111432.D
Acq On : 15 Nov 2020 05:49 am
Operator : TNL
Sample : 0K14006-CALH
Misc : 1X 5mL DI+MeOH 2500PPB GX
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Nov 15 16:31:20 2020
Quant Method : C:\GCMS\1\methods\VK201115G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Oct 15 12:28:28 2020
Response via : Initial Calibration





TIC: VK20111432.D\data.ms

(7) CA-LUFT (C5-C12) (H)

9.883min (0.000) 3525.30 ug/L m

response 40537855

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.02#
0.00	0.00	0.01#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111432.D
Acq On : 15 Nov 2020 05:49 am
Operator : TNL
Sample : 0K14006-CALH
Misc : 1X 5mL DI+MeOH 2500PPB GX
ALS Vial : 27 Sample Multiplier: 1

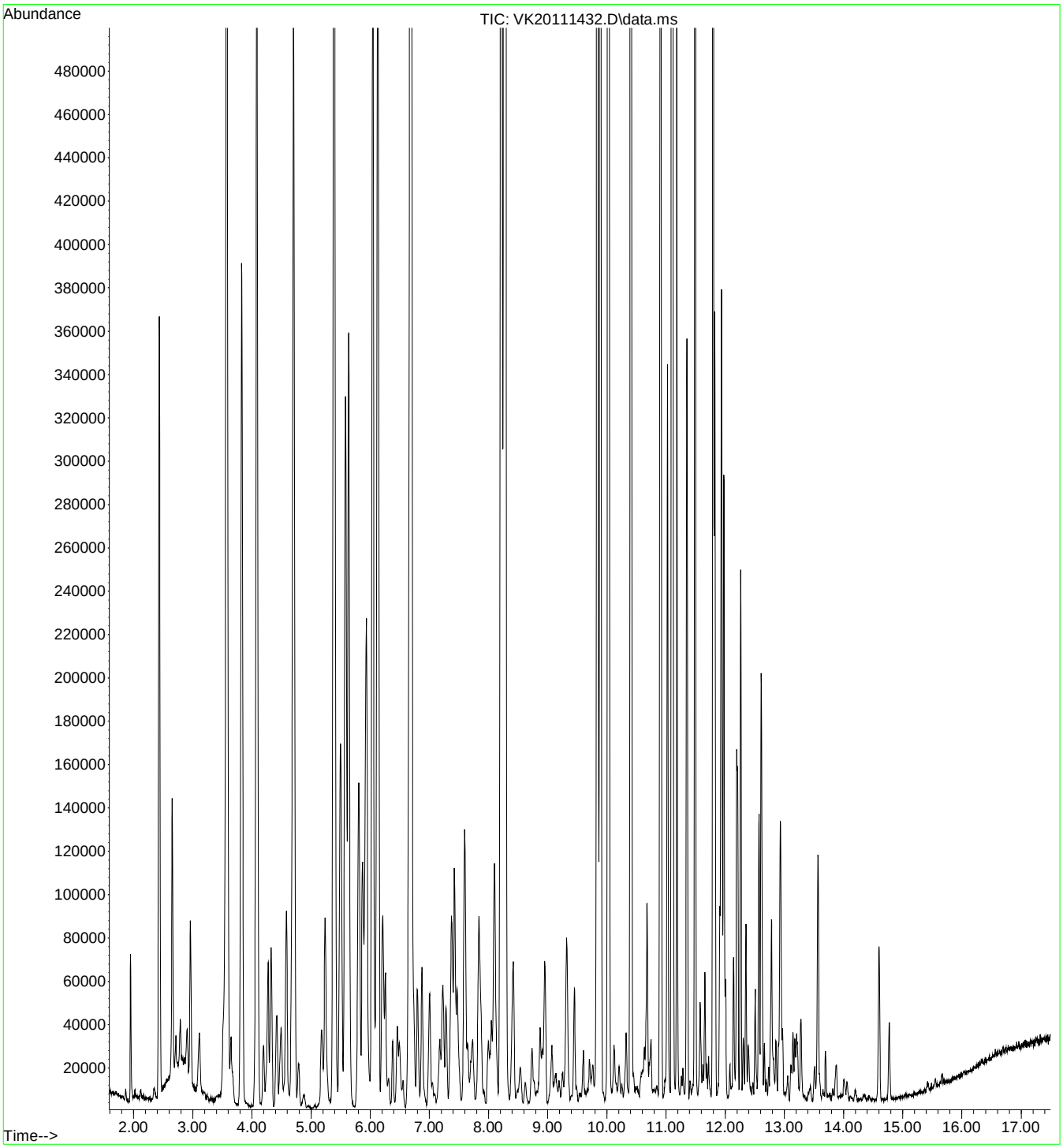
11/15/20 TNL

Quant Time: Nov 15 16:31:20 2020
Quant Method : C:\GCMS\1\methods\VK201115G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Oct 15 12:28:28 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.126	168	412796	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.692	114	744795	59.58	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.910	174	223348	48.87	ug/L	0.00
9) Toluene-d8 (NR)	8.214	98	799922	0.00	ug/L	0.00
11) Chlorobenzene-d5 (NR)	9.838	117	656350	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.794	150	464002	0.00	ug/L	0.00
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.883	TIC	30578094m	3480.48	ug/L	
7) CA-LUFT (C5-C12)	9.883	TIC	40537855m	3525.30	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

File :C:\GCMS\1\data\2020-11\0K14006\VK20111432.D
Operator : TNL
Acquired : 15 Nov 2020 05:49 am using AcqMethod VK2004RUN.M
Instrument : VOA-GCMS11
Sample Name: 0K14006-CALH
Misc Info : 1X 5mL DI+MeOH 2500PPB GX
Vial Number: 27



Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111433.D
Acq On : 15 Nov 2020 06:17 am
Operator : TNL
Sample : 0K14006-CALI
Misc : 1X 5mL DI+MeOH 5000PPB GX
ALS Vial : 28 Sample Multiplier: 1

11/15/20 TNL

Quant Time: Nov 15 16:31:59 2020
Quant Method : C:\GCMS\1\methods\VK201115G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Oct 15 12:28:28 2020
Response via : Initial Calibration

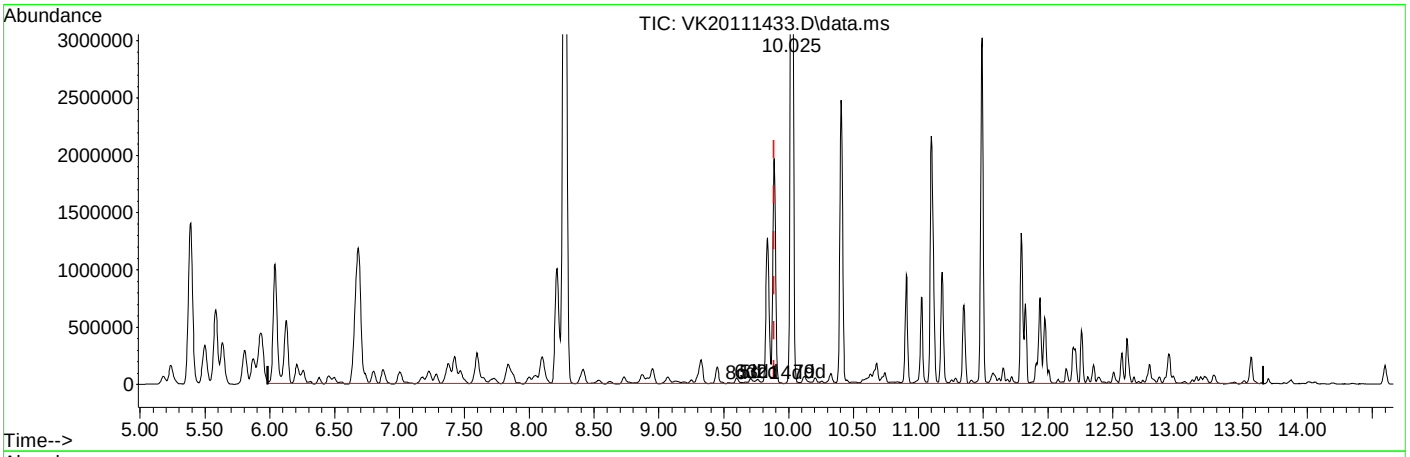
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.126	168	395684	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.692	114	710140	59.26	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.910	174	214793	49.03	ug/L	0.00
9) Toluene-d8 (NR)	8.211	98	761812	0.00	ug/L	0.00
11) Chlorobenzene-d5 (NR)	9.838	117	630240	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.794	150	446691	0.00	ug/L	0.00
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.883	TIC	59639915m	6952.16	ug/L	
7) CA-LUFT (C5-C12)	9.883	TIC	77901144m	6978.02	ug/L	

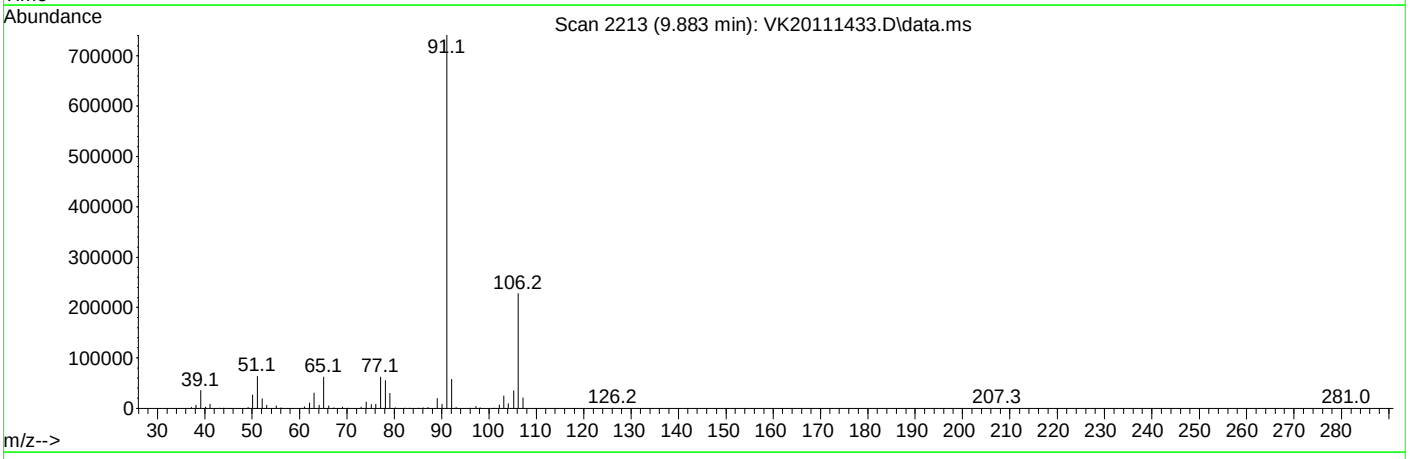
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111433.D
Acq On : 15 Nov 2020 06:17 am
Operator : TNL
Sample : 0K14006-CALI
Misc : 1X 5mL DI+MeOH 5000PPB GX
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Nov 15 16:31:59 2020
Quant Method : C:\GCMS\1\methods\VK201115G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Oct 15 12:28:28 2020
Response via : Initial Calibration





TIC: VK20111433.D\data.ms

(4) NWTPH-Gx (TPH) (H)

9.883min (0.000) 6952.16 ug/L m

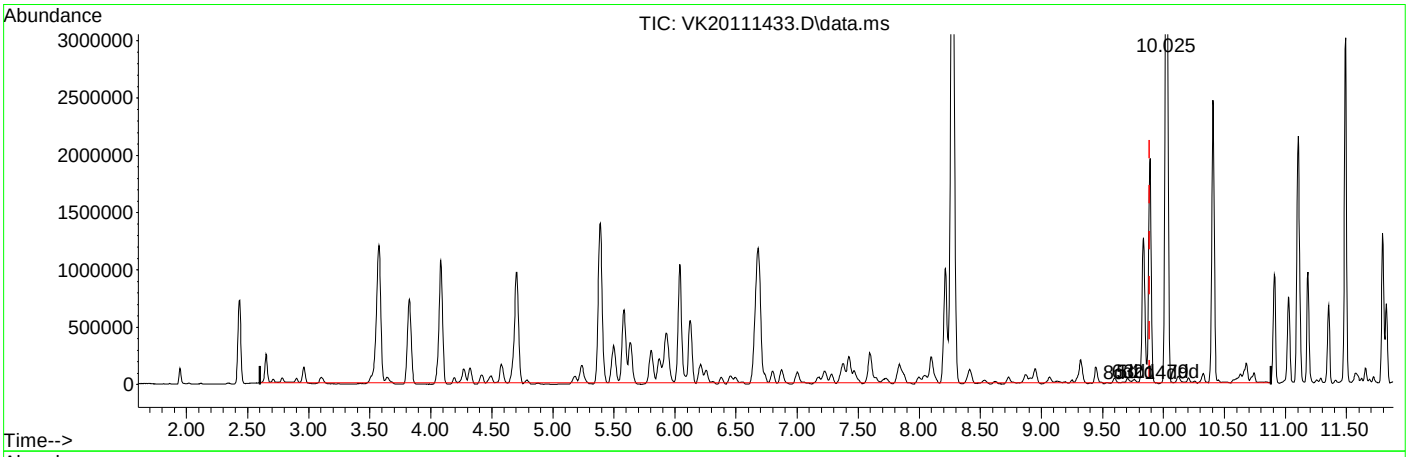
response 59639915

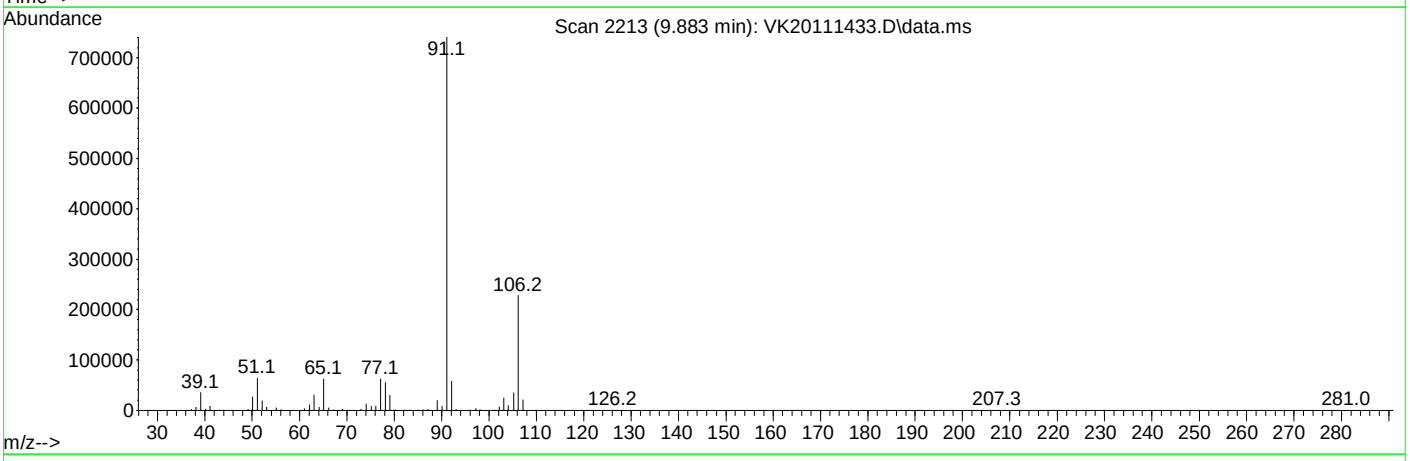
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.02#
0.00	0.00	0.02#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111433.D
Acq On : 15 Nov 2020 06:17 am
Operator : TNL
Sample : 0K14006-CALI
Misc : 1X 5mL DI+MeOH 5000PPB GX
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Nov 15 16:31:59 2020
Quant Method : C:\GCMS\1\methods\VK201115G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Oct 15 12:28:28 2020
Response via : Initial Calibration





TIC: VK20111433.D\data.ms

(5) TPHg (C5-C9) (H)

9.883min (0.000) 0.00 ug/L m

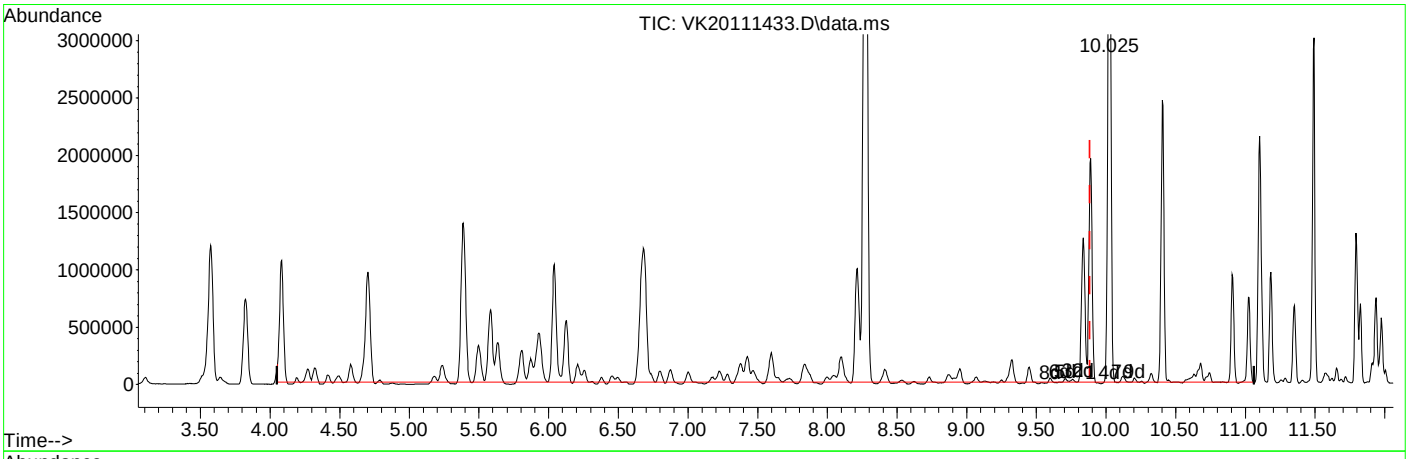
response 61074669

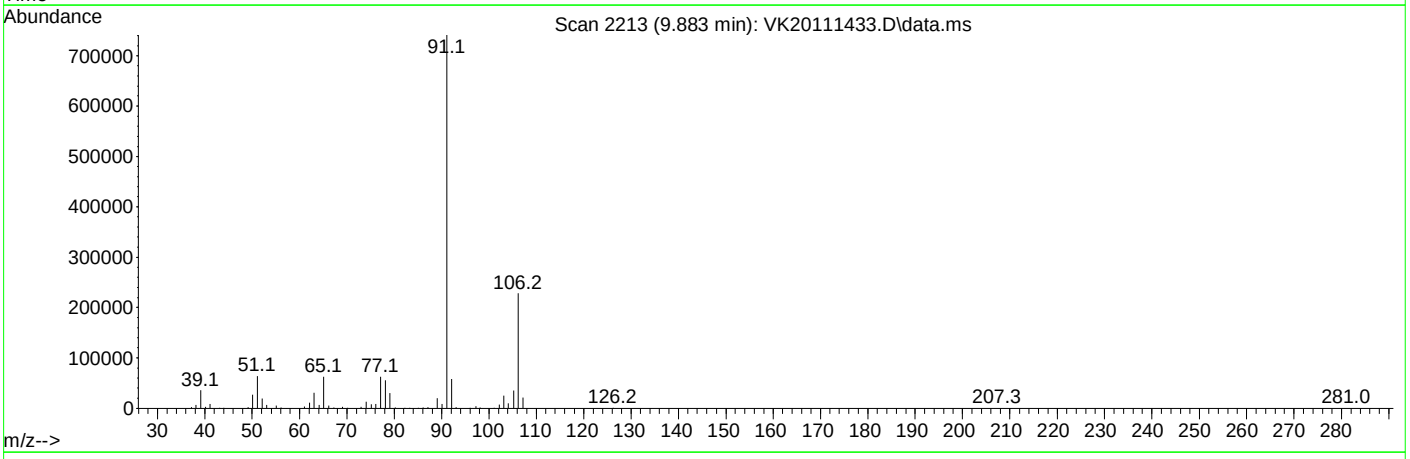
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.02#
0.00	0.00	0.01#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111433.D
Acq On : 15 Nov 2020 06:17 am
Operator : TNL
Sample : 0K14006-CALI
Misc : 1X 5mL DI+MeOH 5000PPB GX
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Nov 15 16:31:59 2020
Quant Method : C:\GCMS\1\methods\VK201115G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Oct 15 12:28:28 2020
Response via : Initial Calibration





TIC: VK20111433.D\data.ms

(6) TPHg (C6-C10) (H)

9.883min (0.000) 0.00 ug/L m

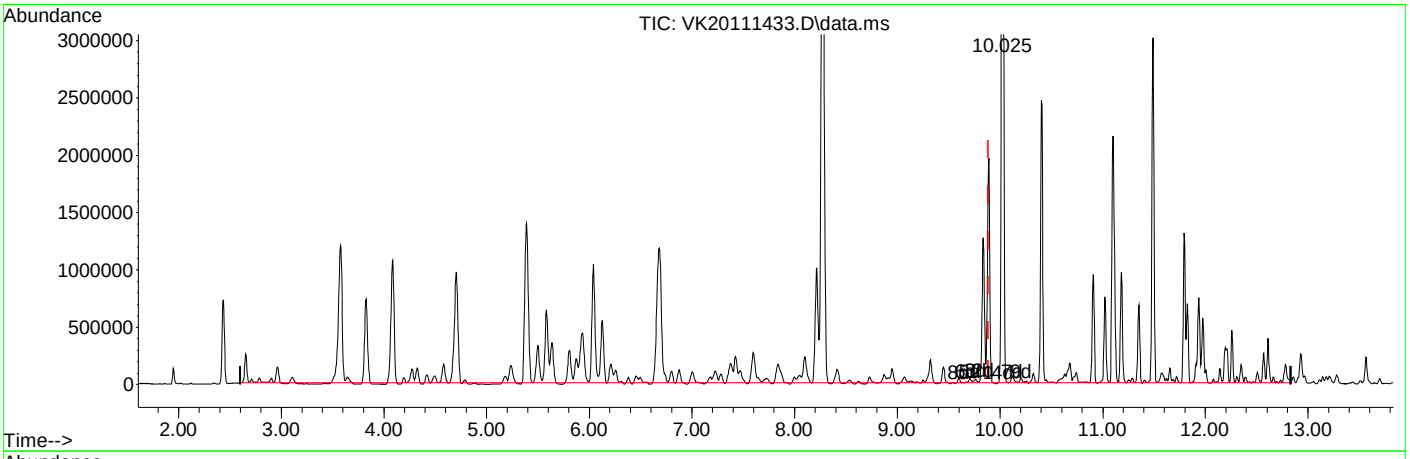
response 55680477

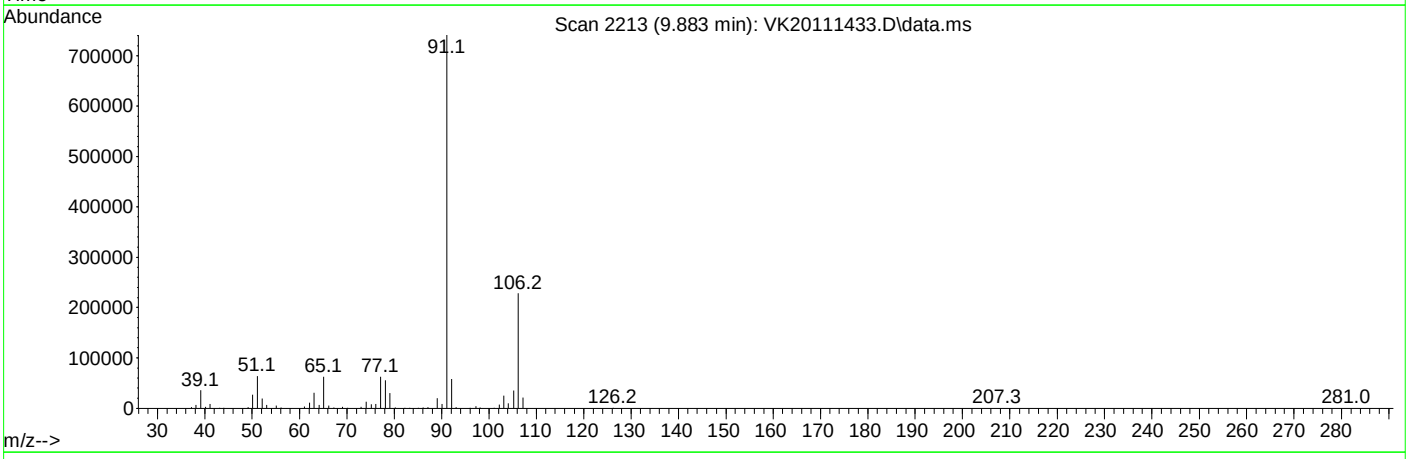
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.03#
0.00	0.00	0.02#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111433.D
Acq On : 15 Nov 2020 06:17 am
Operator : TNL
Sample : 0K14006-CALI
Misc : 1X 5mL DI+MeOH 5000PPB GX
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Nov 15 16:31:59 2020
Quant Method : C:\GCMS\1\methods\VK201115G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Oct 15 12:28:28 2020
Response via : Initial Calibration





TIC: VK20111433.D\data.ms

(7) CA-LUFT (C5-C12) (H)

9.883min (0.000) 6978.02 ug/L m

response 77901144

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.02#
0.00	0.00	0.01#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111433.D
Acq On : 15 Nov 2020 06:17 am
Operator : TNL
Sample : 0K14006-CALI
Misc : 1X 5mL DI+MeOH 5000PPB GX
ALS Vial : 28 Sample Multiplier: 1

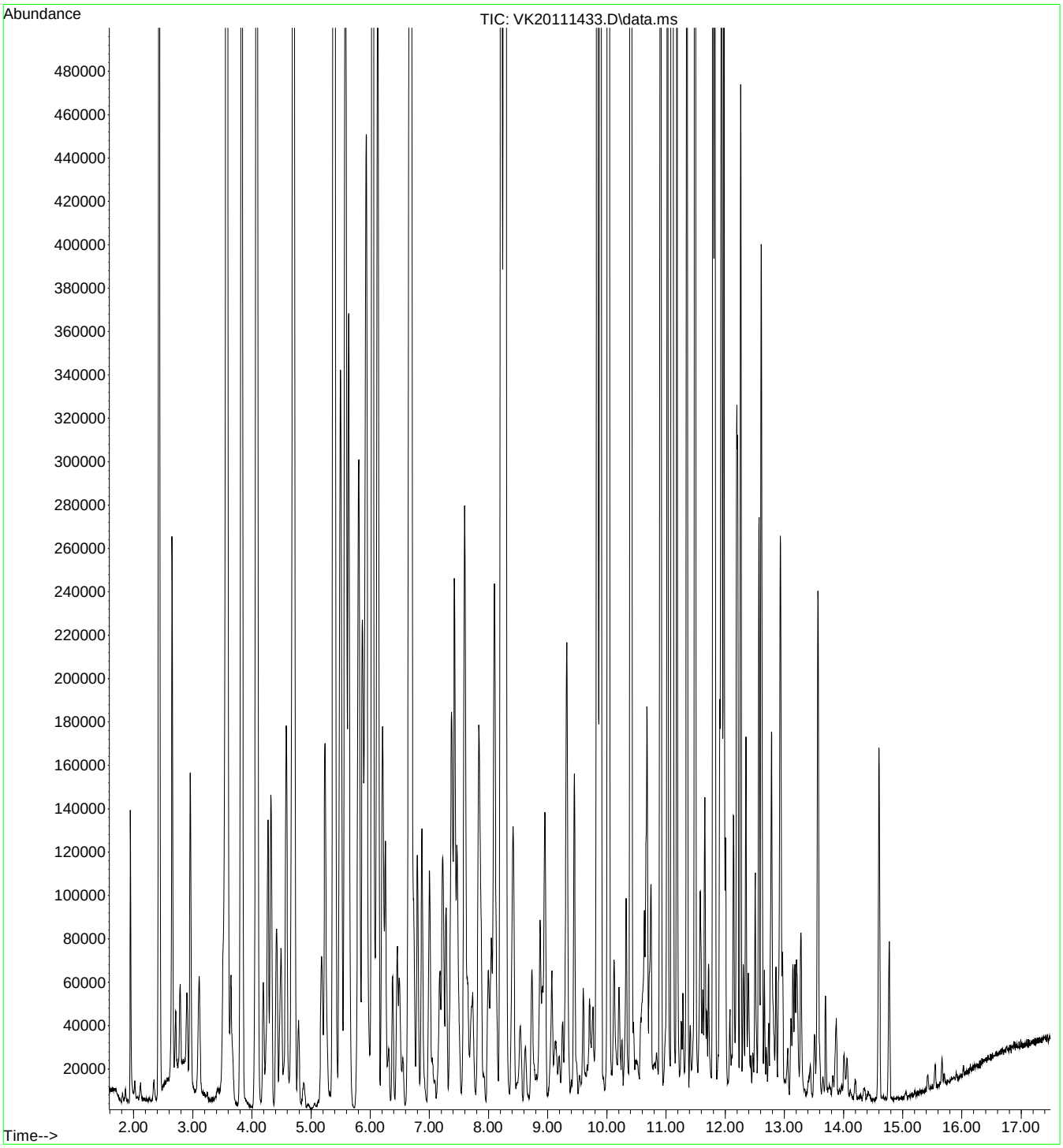
11/15/20 TNL

Quant Time: Nov 15 16:31:59 2020
Quant Method : C:\GCMS\1\methods\VK201115G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Oct 15 12:28:28 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.126	168	395684	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.692	114	710140	59.26	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.910	174	214793	49.03	ug/L	0.00
9) Toluene-d8 (NR)	8.211	98	761812	0.00	ug/L	0.00
11) Chlorobenzene-d5 (NR)	9.838	117	630240	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.794	150	446691	0.00	ug/L	0.00
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.883	TIC	59639915m	6952.16	ug/L	
7) CA-LUFT (C5-C12)	9.883	TIC	77901144m	6978.02	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

File :C:\GCMS\1\data\2020-11\0K14006\VK20111433.D
Operator : TNL
Acquired : 15 Nov 2020 06:17 am using AcqMethod VK2004RUN.M
Instrument : VOA-GCMS11
Sample Name: 0K14006-CALI
Misc Info : 1X 5mL DI+MeOH 5000PPB GX
Vial Number: 28



Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111434.D
Acq On : 15 Nov 2020 06:44 am
Operator : TNL
Sample : 0K14006-CALJ
Misc : 1X 5mL DI+MeOH 10000PPB GX
ALS Vial : 29 Sample Multiplier: 1

11/15/20 TNL

Quant Time: Nov 15 16:32:30 2020
Quant Method : C:\GCMS\1\methods\VK201115G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Oct 15 12:28:28 2020
Response via : Initial Calibration

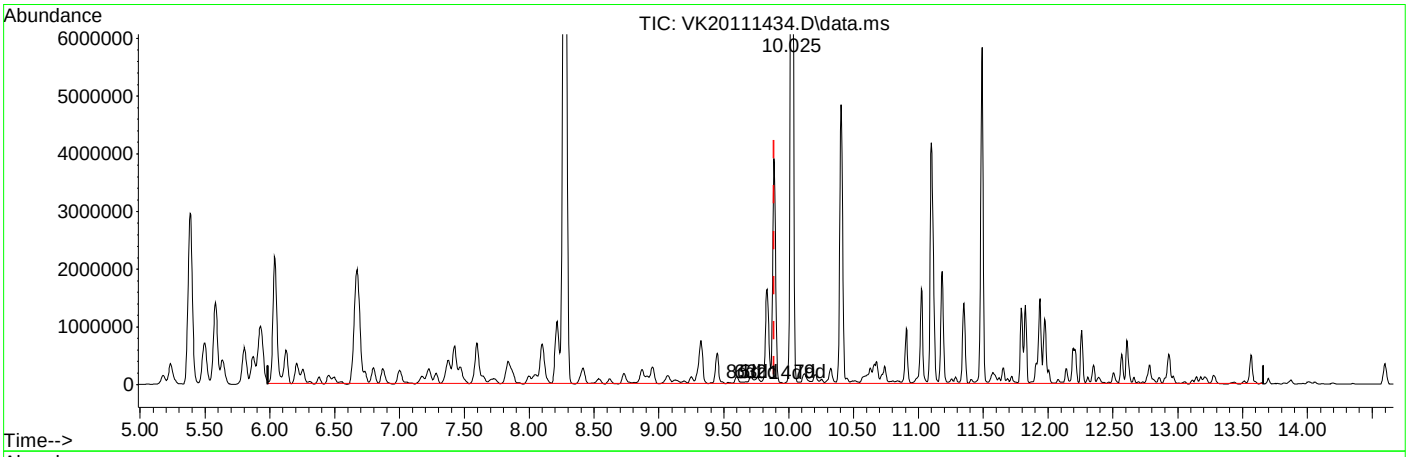
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.123	168	412519	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.689	114	732431	58.63	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.906	174	212433	46.61	ug/L	0.00
9) Toluene-d8 (NR)	8.214	98	791640	0.00	ug/L	0.00
11) Chlorobenzene-d5 (NR)	9.838	117	628374	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.794	150	435789	0.00	ug/L	0.00
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.883	TIC	124686759m	13438.20	ug/L	
7) CA-LUFT (C5-C12)	9.883	TIC	163491643m	13559.20	ug/L	

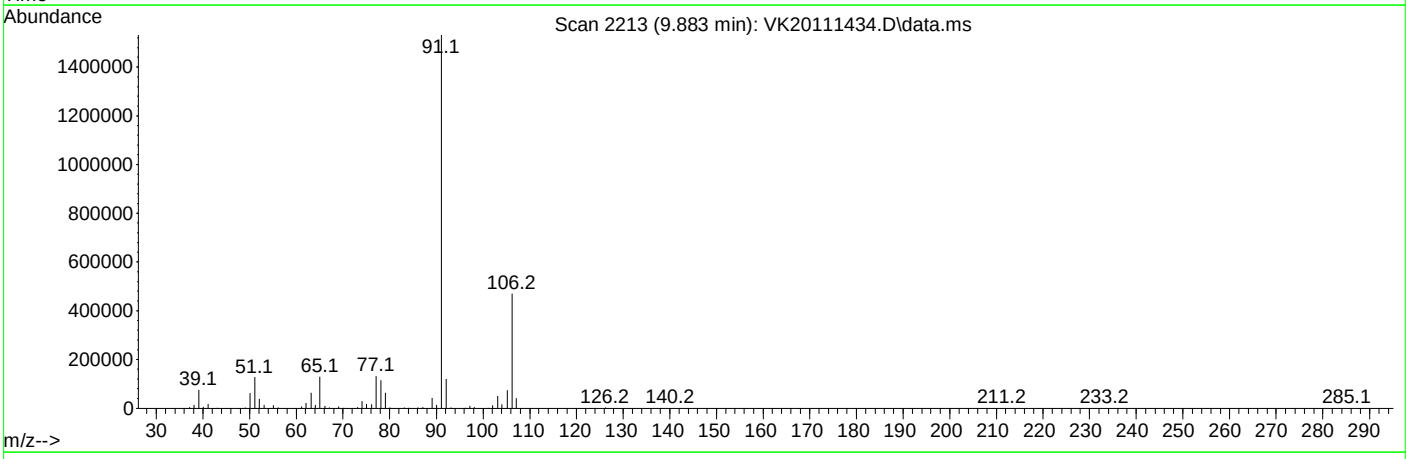
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111434.D
Acq On : 15 Nov 2020 06:44 am
Operator : TNL
Sample : 0K14006-CALJ
Misc : 1X 5mL DI+MeOH 10000PPB GX
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Nov 15 16:32:30 2020
Quant Method : C:\GCMS\1\methods\VK201115G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Oct 15 12:28:28 2020
Response via : Initial Calibration





TIC: VK20111434.D\data.ms

(4) NWTPH-Gx (TPH) (H)

9.883min (0.000) 13438.20 ug/L m

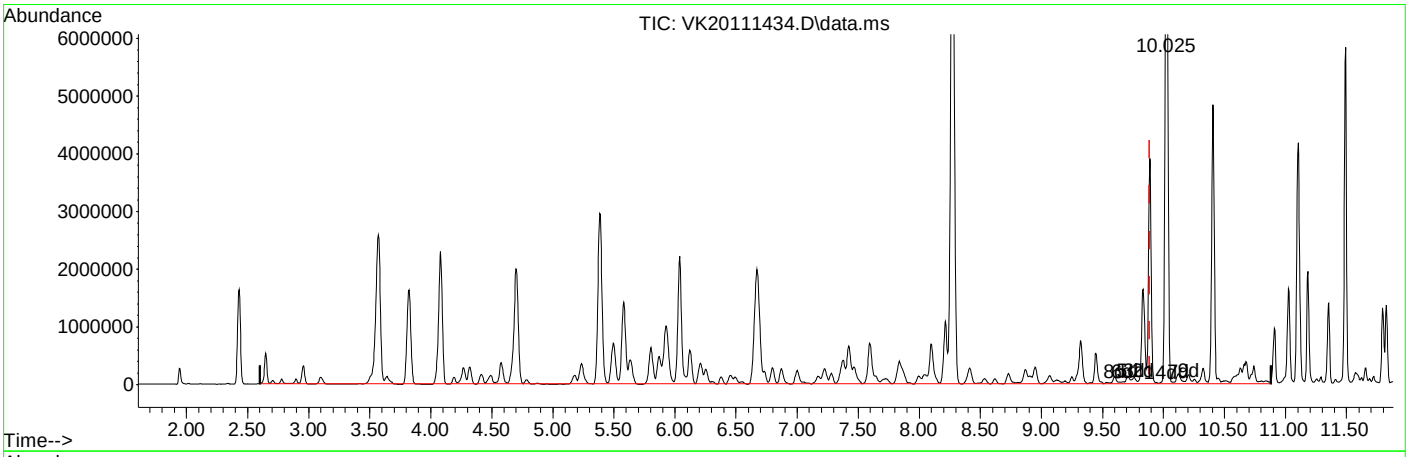
response 124686759

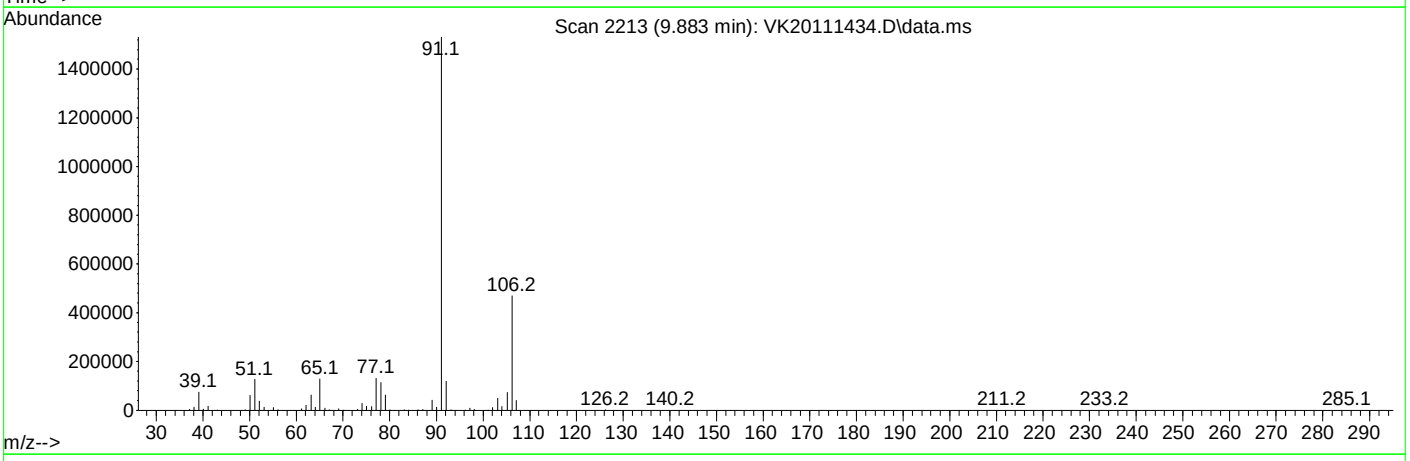
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.03#
0.00	0.00	0.02#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111434.D
Acq On : 15 Nov 2020 06:44 am
Operator : TNL
Sample : 0K14006-CALJ
Misc : 1X 5mL DI+MeOH 10000PPB GX
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Nov 15 16:32:30 2020
Quant Method : C:\GCMS\1\methods\VK201115G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Oct 15 12:28:28 2020
Response via : Initial Calibration





TIC: VK20111434.D\data.ms

(5) TPHg (C5-C9) (H)

9.883min (0.000) 0.00 ug/L m

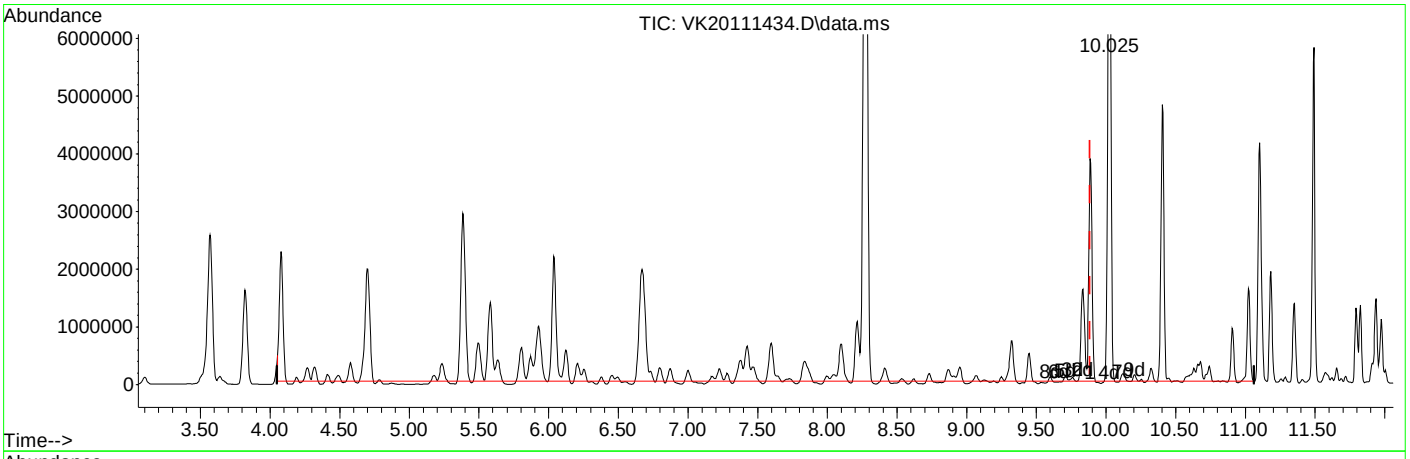
response 129635661

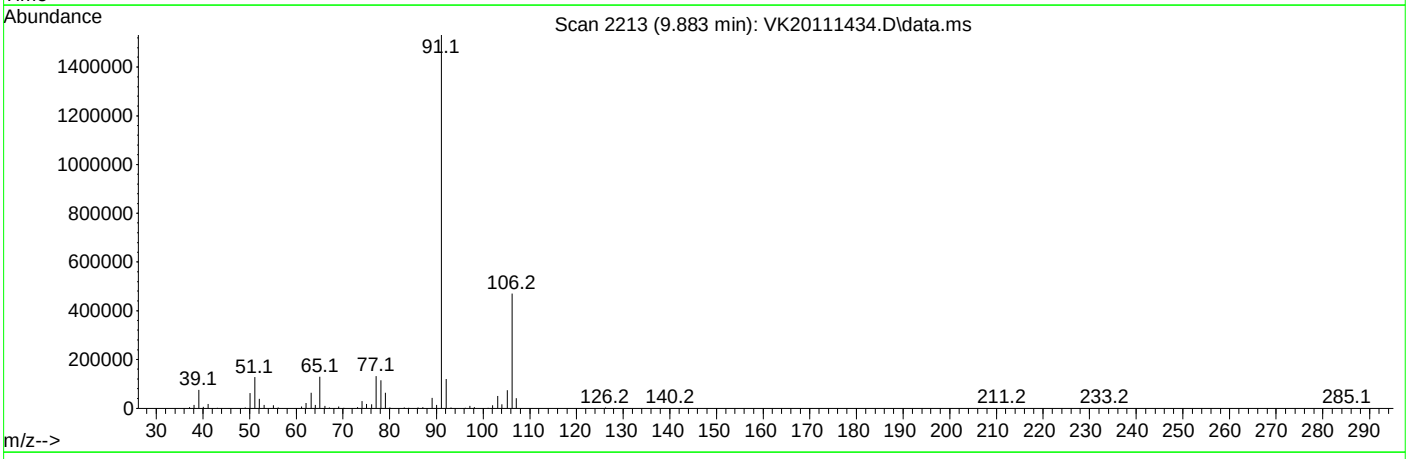
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.02#
0.00	0.00	0.01#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111434.D
Acq On : 15 Nov 2020 06:44 am
Operator : TNL
Sample : 0K14006-CALJ
Misc : 1X 5mL DI+MeOH 10000PPB GX
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Nov 15 16:32:30 2020
Quant Method : C:\GCMS\1\methods\VK201115G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Oct 15 12:28:28 2020
Response via : Initial Calibration





TIC: VK20111434.D\data.ms

(6) TPHg (C6-C10) (H)

9.883min (0.000) 0.00 ug/L m

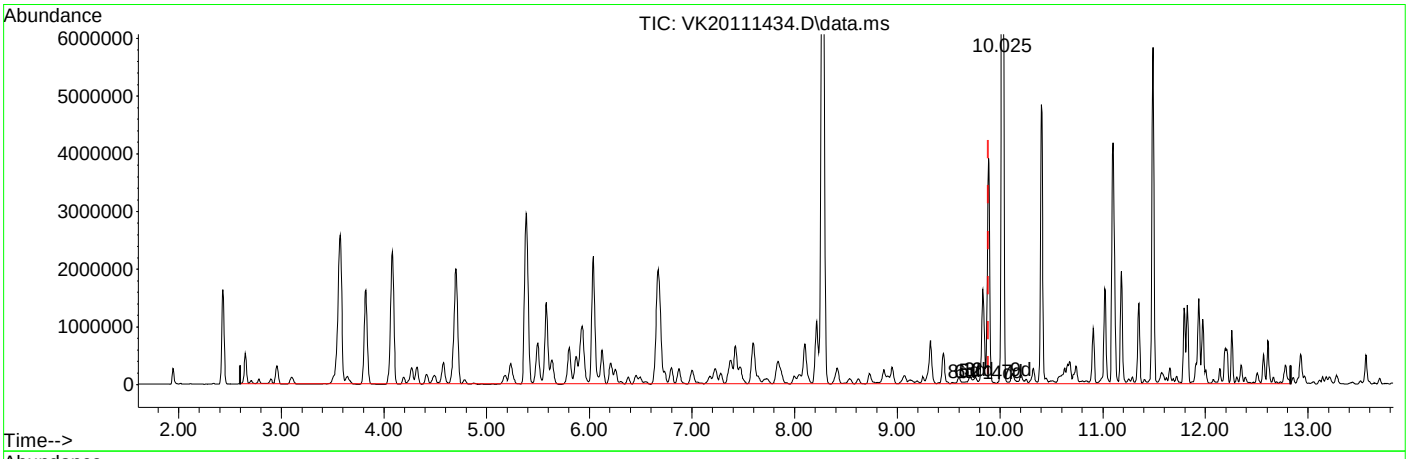
response 117815963

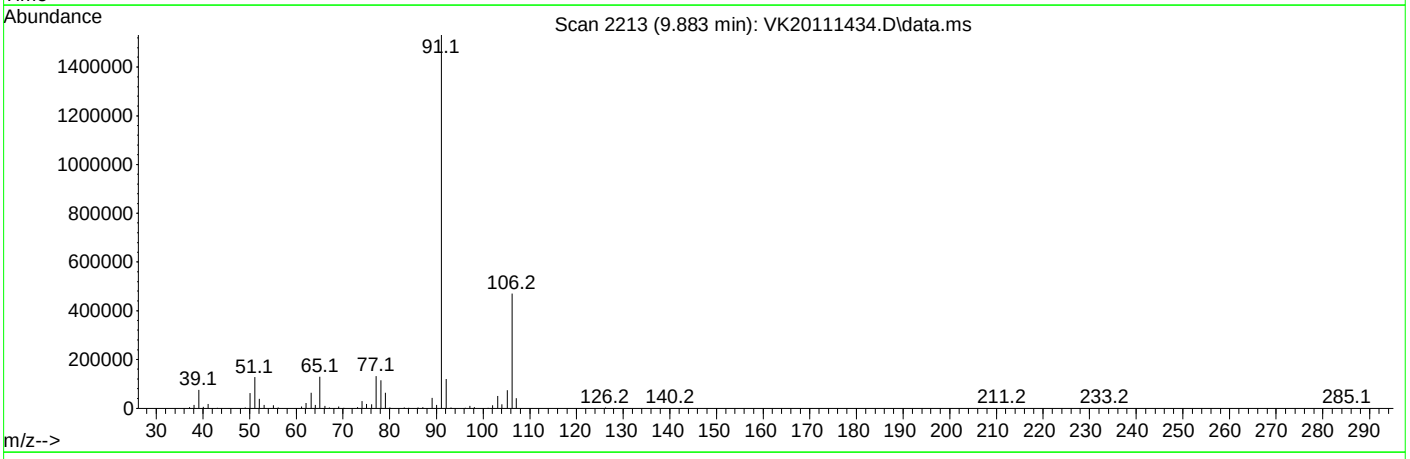
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.03#
0.00	0.00	0.02#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111434.D
Acq On : 15 Nov 2020 06:44 am
Operator : TNL
Sample : 0K14006-CALJ
Misc : 1X 5mL DI+MeOH 10000PPB GX
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Nov 15 16:32:30 2020
Quant Method : C:\GCMS\1\methods\VK201115G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Oct 15 12:28:28 2020
Response via : Initial Calibration





TIC: VK20111434.D\data.ms

(7) CA-LUFT (C5-C12) (H)

9.883min (0.000) 13559.20 ug/L m

response 163491643

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.02#
0.00	0.00	0.01#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111434.D
Acq On : 15 Nov 2020 06:44 am
Operator : TNL
Sample : 0K14006-CALJ
Misc : 1X 5mL DI+MeOH 10000PPB GX
ALS Vial : 29 Sample Multiplier: 1

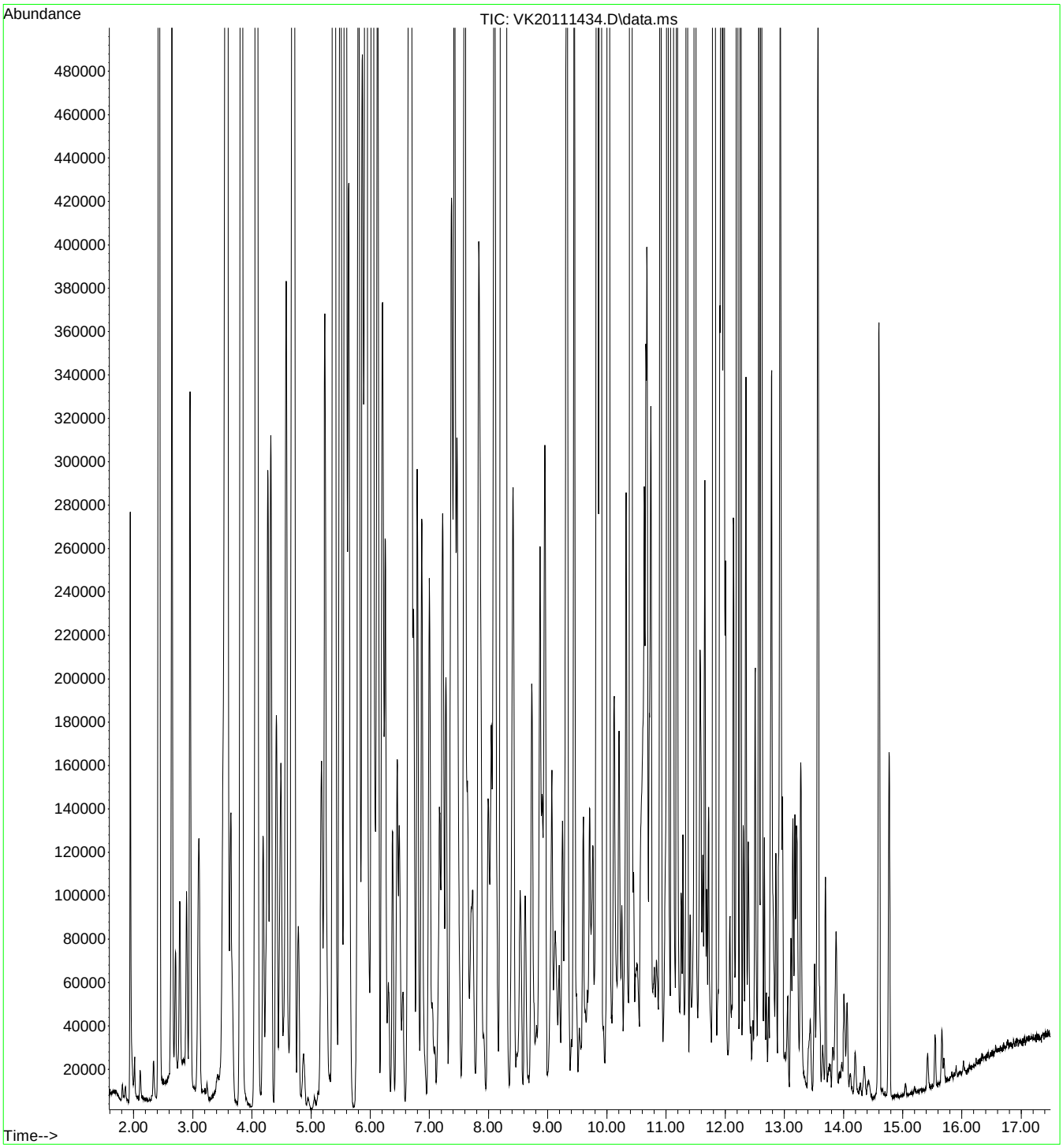
11/15/20 TNL

Quant Time: Nov 15 16:32:30 2020
Quant Method : C:\GCMS\1\methods\VK201115G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Oct 15 12:28:28 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.123	168	412519	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.689	114	732431	58.63	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.906	174	212433	46.51	ug/L	0.00
9) Toluene-d8 (NR)	8.214	98	791640	0.00	ug/L	0.00
11) Chlorobenzene-d5 (NR)	9.838	117	628374	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.794	150	435789	0.00	ug/L	0.00
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.883	TIC	124686759m	13438.20	ug/L	
7) CA-LUFT (C5-C12)	9.883	TIC	163491643m	13559.20	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

File :C:\GCMS\1\data\2020-11\0K14006\VK20111434.D
Operator : TNL
Acquired : 15 Nov 2020 06:44 am using AcqMethod VK2004RUN.M
Instrument : VOA-GCMS11
Sample Name: 0K14006-CALJ
Misc Info : 1X 5mL DI+MeOH 10000PPB GX
Vial Number: 29



Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111435.D
Acq On : 15 Nov 2020 07:11 am
Operator : TNL
Sample : 0K14006-IBLB
Misc : 1X 5mL DI+MeOH
ALS Vial : 30 Sample Multiplier: 1

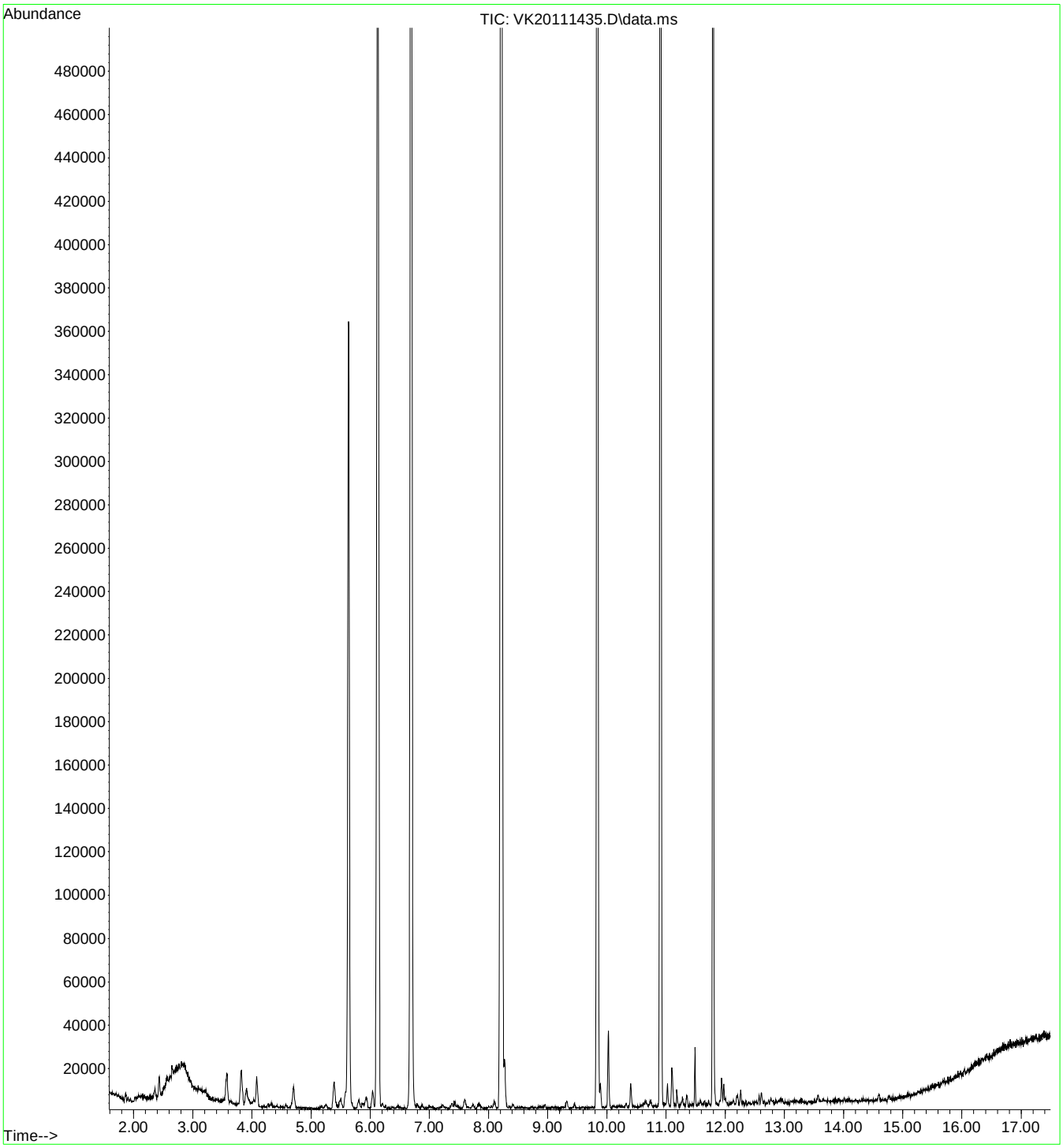
11/15/20 TNL

Quant Time: Nov 15 17:16:43 2020
Quant Method : C:\GCMS\1\methods\VK201115G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sun Nov 15 16:34:17 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.123	168	466505	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.692	114	841674	49.87	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.906	174	244288	48.73	ug/L	0.00
9) Toluene-d8 (NR)	8.211	98	894874	0.00	ug/L	0.00
11) Chlorobenzene-d5 (NR)	9.837	117	729412	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.794	150	496049	0.00	ug/L	0.00
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.883	TIC	585503m	20.85	ug/L	
5) TPHg (C5-C9)	9.883	TIC	1705205m	35.20	ug/L	
6) TPHg (C6-C10)	9.883	TIC	1226620m	14.65	ug/L	
7) CA-LUFT (C5-C12)	9.883	TIC	1905802m	34.08	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

File :C:\GCMS\1\data\2020-11\0K14006\VK20111435.D
Operator : TNL
Acquired : 15 Nov 2020 07:11 am using AcqMethod VK2004RUN.M
Instrument : VOA-GCMS11
Sample Name: 0K14006-IBLB
Misc Info : 1X 5mL DI+MeOH
Vial Number: 30



Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111436.D
Acq On : 15 Nov 2020 07:39 am
Operator : TNL
Sample : 0K14006-IBLC
Misc : 1X 5mL DI+MeOH
ALS Vial : 31 Sample Multiplier: 1

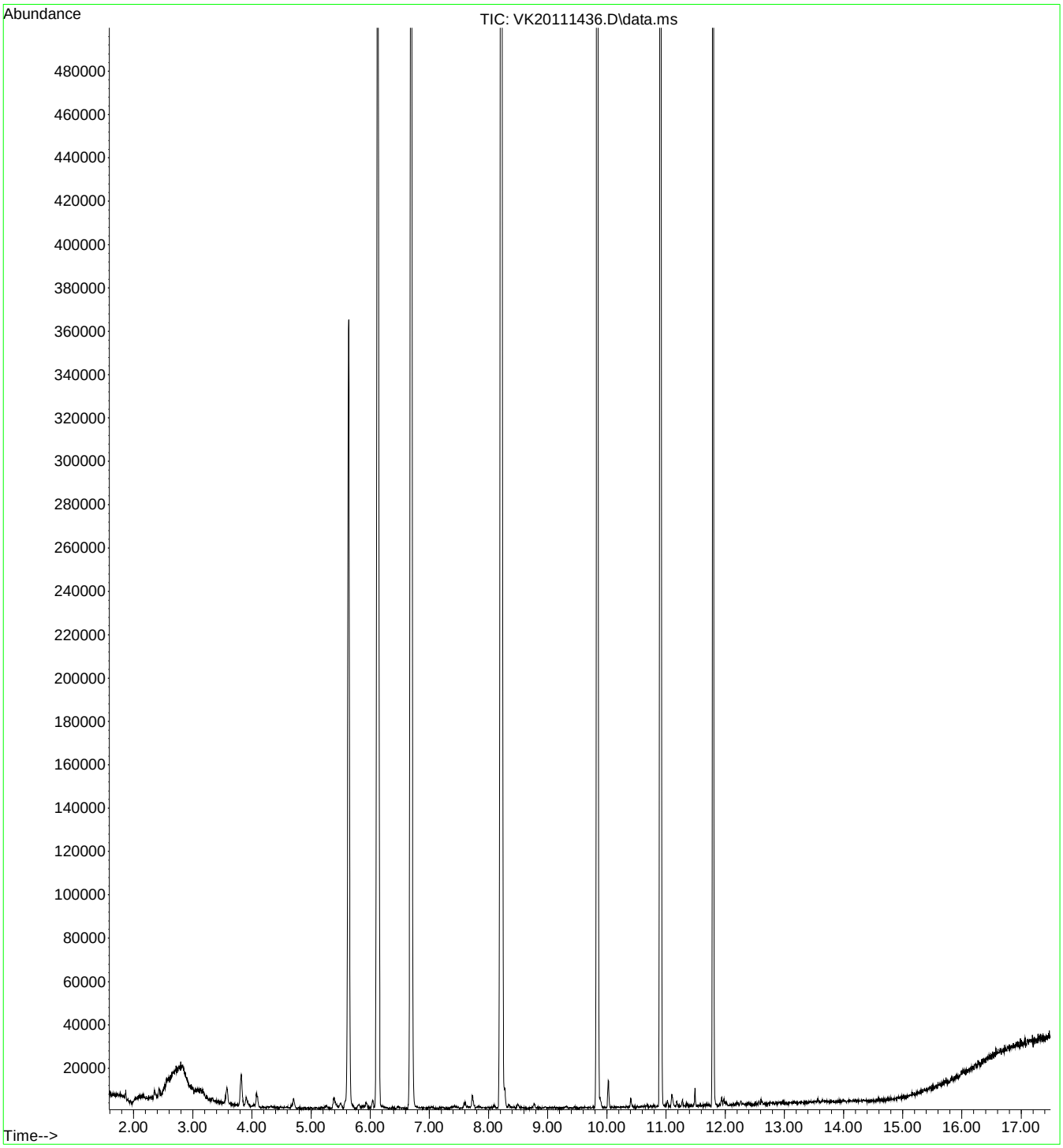
11/15/20 TNL

Quant Time: Nov 15 17:16:46 2020
Quant Method : C:\GCMS\1\methods\VK201115G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sun Nov 15 16:34:17 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.126	168	457024	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.689	114	829236	50.16	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.906	174	246578	50.20	ug/L	0.00
9) Toluene-d8 (NR)	8.211	98	885073	0.00	ug/L	0.00
11) Chlorobenzene-d5 (NR)	9.838	117	734237	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.794	150	503432	0.00	ug/L	0.00
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.883	TIC	255719m	Below Cal		
5) TPHg (C5-C9)	9.883	TIC	1060840m	Below Cal		
6) TPHg (C6-C10)	9.883	TIC	959644m	Below Cal		
7) CA-LUFT (C5-C12)	9.883	TIC	1138486m	Below Cal		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

File :C:\GCMS\1\data\2020-11\0K14006\VK20111436.D
Operator : TNL
Acquired : 15 Nov 2020 07:39 am using AcqMethod VK2004RUN.M
Instrument : VOA-GCMS11
Sample Name: 0K14006-IBLC
Misc Info : 1X 5mL DI+MeOH
Vial Number: 31



Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111437.D
Acq On : 15 Nov 2020 08:06 am
Operator : TNL
Sample : 0K14006-ICV2
Misc : 1X 5mL DI+MeOH 500PPB GX
ALS Vial : 32 Sample Multiplier: 1

11/15/20 TNL

Quant Time: Nov 15 17:16:49 2020
Quant Method : C:\GCMS\1\methods\VK201115G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sun Nov 15 16:34:17 2020
Response via : Initial Calibration

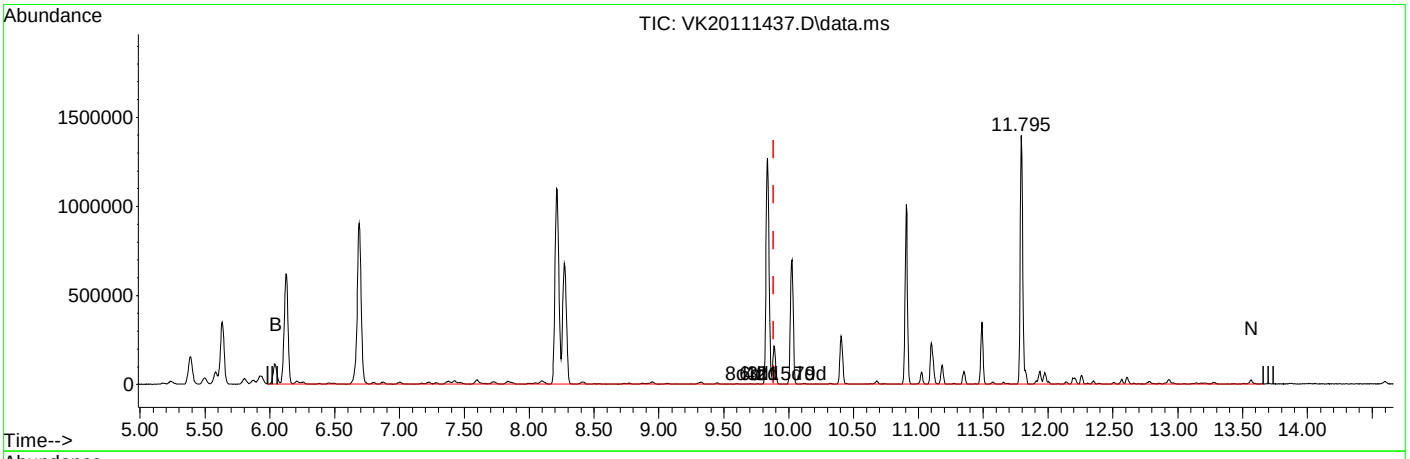
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.127	168	439950	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.689	114	790776	49.69	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.906	174	229694	48.58	ug/L	0.00
9) Toluene-d8 (NR)	8.211	98	841970	0.00	ug/L	0.00
11) Chlorobenzene-d5 (NR)	9.838	117	691104	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.794	150	475912	0.00	ug/L	0.00
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.883	TIC	6411017m	474.55	ug/L	
5) TPHg (C5-C9)	9.883	TIC	7509844m	485.09	ug/L	
6) TPHg (C6-C10)	9.883	TIC	6757541m	480.31	ug/L	
7) CA-LUFT (C5-C12)	9.883	TIC	9343636m	484.02	ug/L	

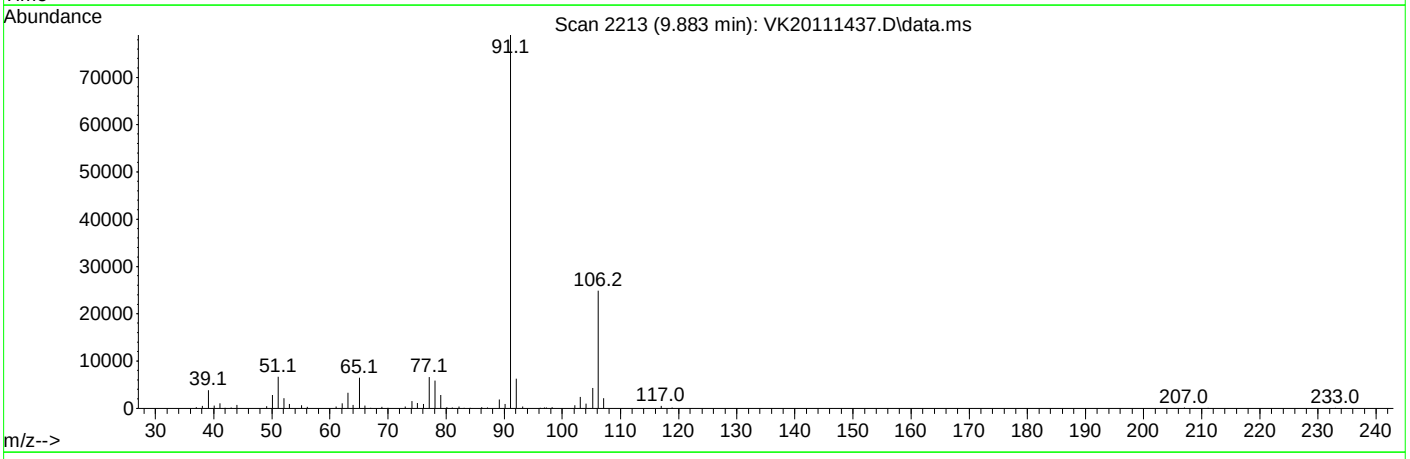
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111437.D
Acq On : 15 Nov 2020 08:06 am
Operator : TNL
Sample : 0K14006-ICV2
Misc : 1X 5mL DI+MeOH 500PPB GX
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Nov 15 17:16:49 2020
Quant Method : C:\GCMS\1\methods\VK201115G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sun Nov 15 16:34:17 2020
Response via : Initial Calibration





TIC: VK20111437.D\data.ms

(4) NWTPH-Gx (TPH) (H)

9.883min (0.000) 474.55 ug/L m

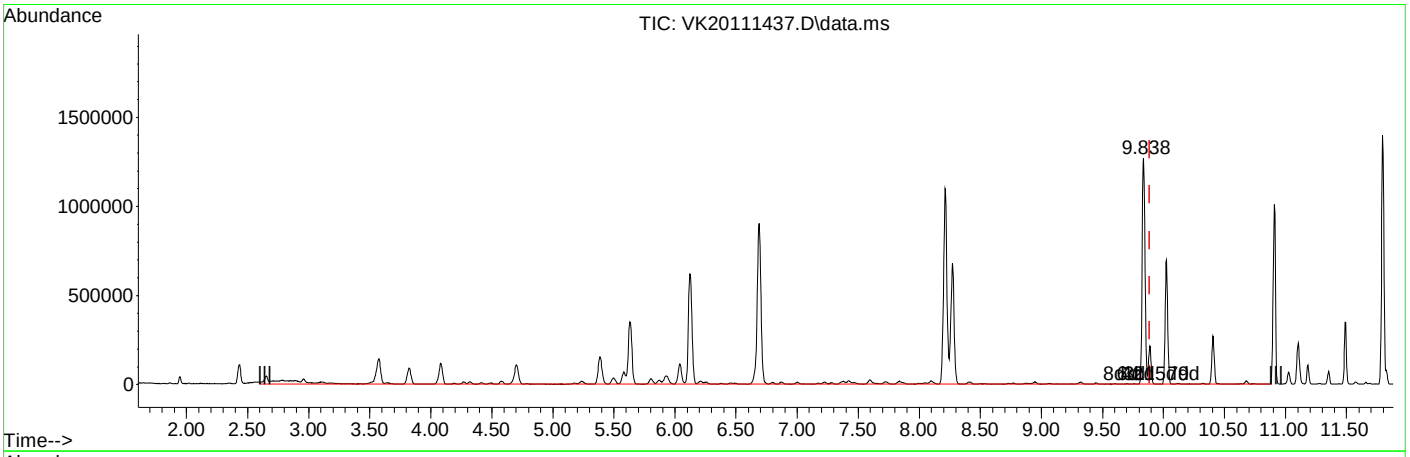
response 6411017

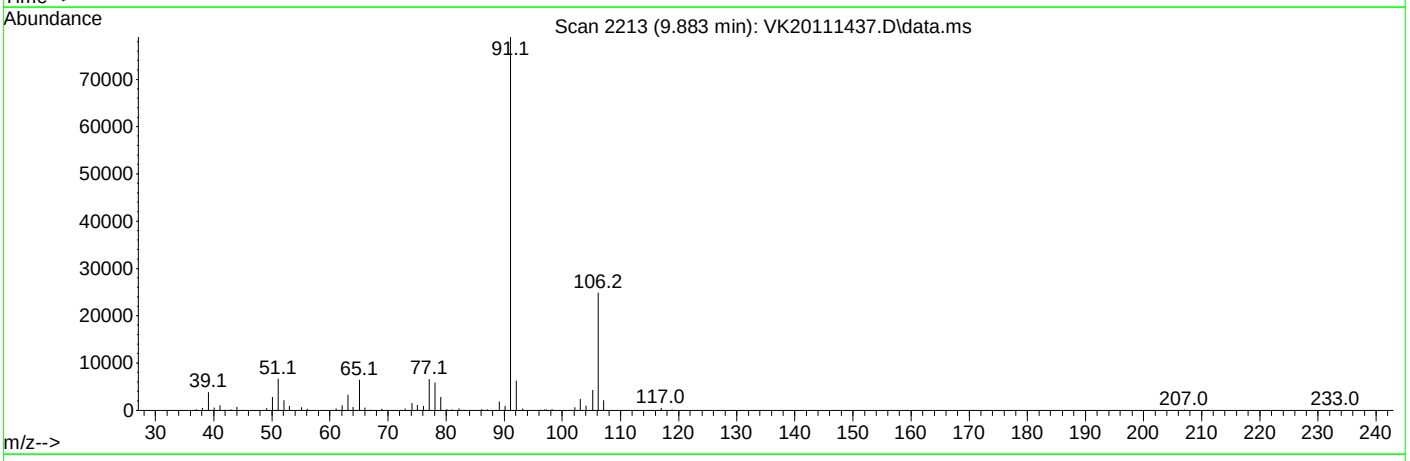
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.02#
0.00	0.00	0.02#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111437.D
Acq On : 15 Nov 2020 08:06 am
Operator : TNL
Sample : 0K14006-ICV2
Misc : 1X 5mL DI+MeOH 500PPB GX
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Nov 15 17:16:49 2020
Quant Method : C:\GCMS\1\methods\VK201115G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sun Nov 15 16:34:17 2020
Response via : Initial Calibration





TIC: VK20111437.D\data.ms

(5) TPHg (C5-C9) (H)

9.883min (0.000) 485.09 ug/L m

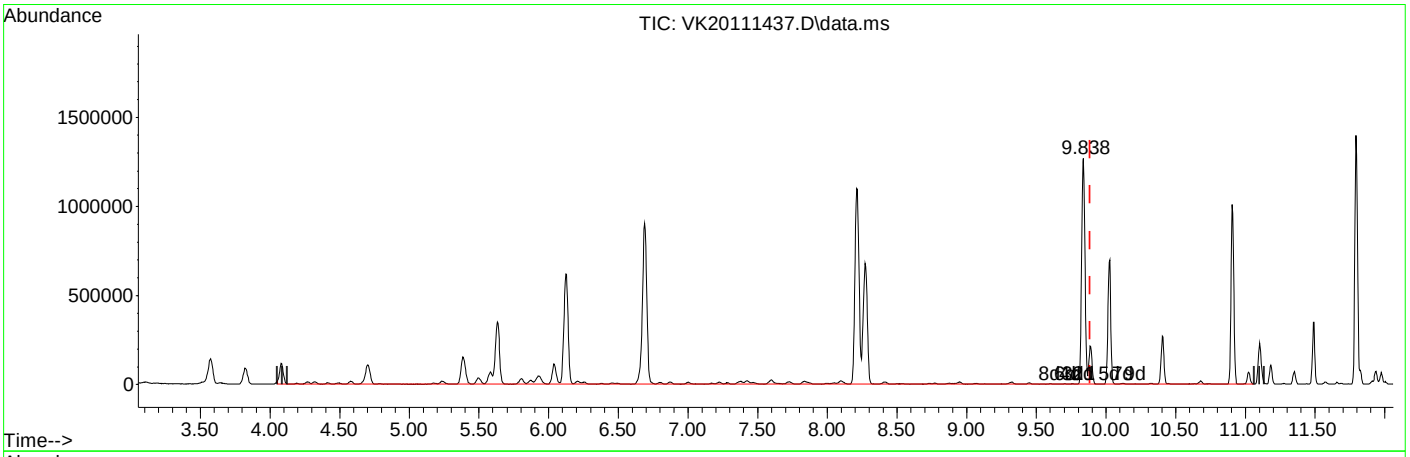
response 7509844

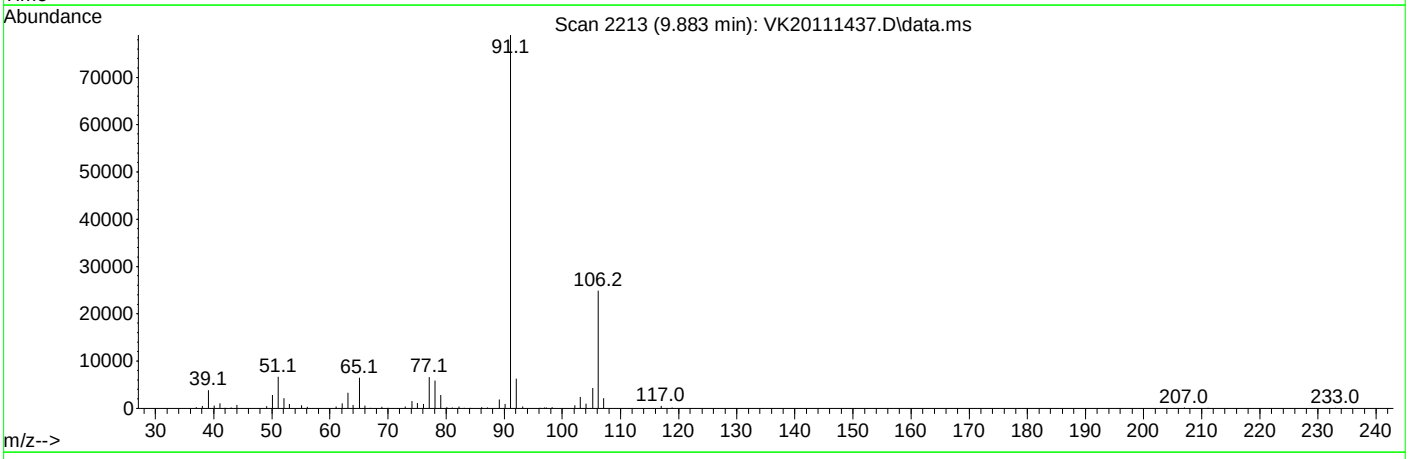
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.02#
0.00	0.00	0.01#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111437.D
Acq On : 15 Nov 2020 08:06 am
Operator : TNL
Sample : 0K14006-ICV2
Misc : 1X 5mL DI+MeOH 500PPB GX
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Nov 15 17:16:49 2020
Quant Method : C:\GCMS\1\methods\VK201115G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sun Nov 15 16:34:17 2020
Response via : Initial Calibration





TIC: VK20111437.D\data.ms

(6) TPHg (C6-C10) (H)

9.883min (0.000) 480.31 ug/L m

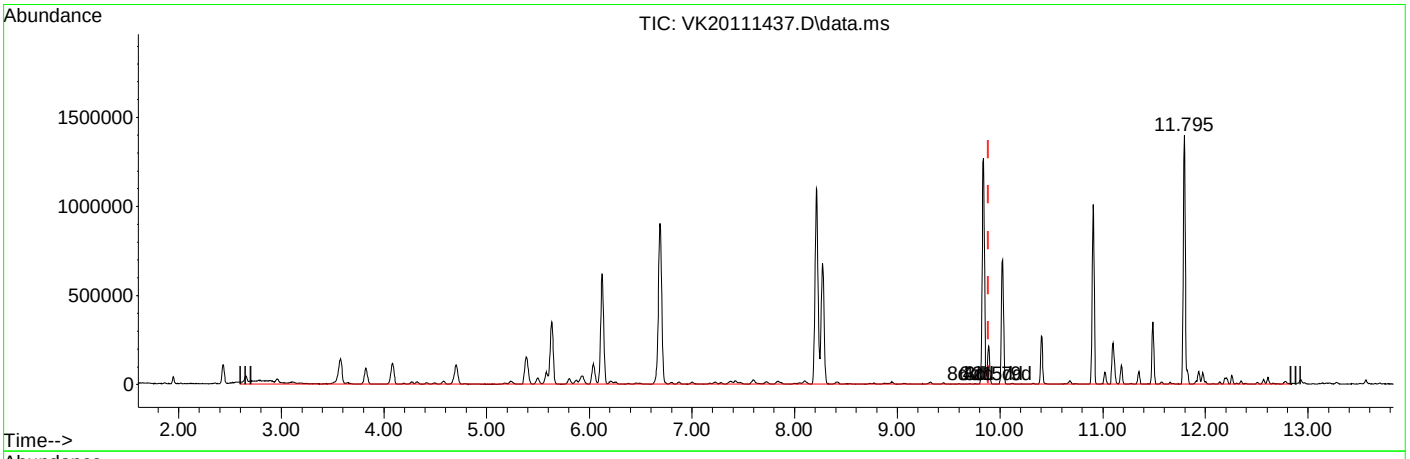
response 6757541

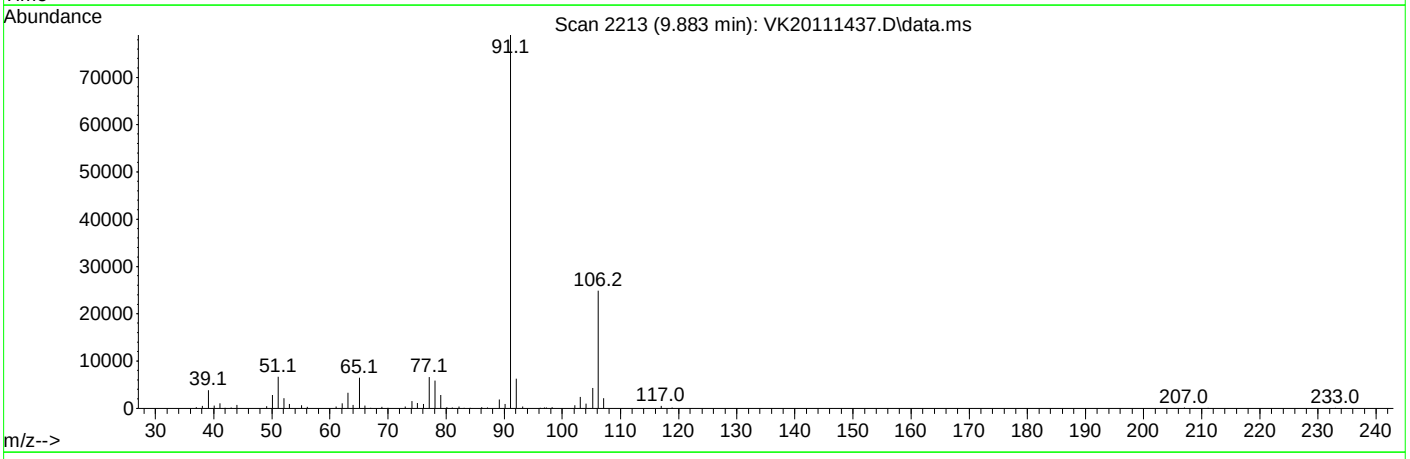
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.02#
0.00	0.00	0.02#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111437.D
Acq On : 15 Nov 2020 08:06 am
Operator : TNL
Sample : 0K14006-ICV2
Misc : 1X 5mL DI+MeOH 500PPB GX
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Nov 15 17:16:49 2020
Quant Method : C:\GCMS\1\methods\VK201115G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sun Nov 15 16:34:17 2020
Response via : Initial Calibration





TIC: VK20111437.D\data.ms

(7) CA-LUFT (C5-C12) (H)

9.883min (0.000) 484.02 ug/L m

response 9343636

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.02#
0.00	0.00	0.01#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111437.D
Acq On : 15 Nov 2020 08:06 am
Operator : TNL
Sample : 0K14006-ICV2
Misc : 1X 5mL DI+MeOH 500PPB GX
ALS Vial : 32 Sample Multiplier: 1

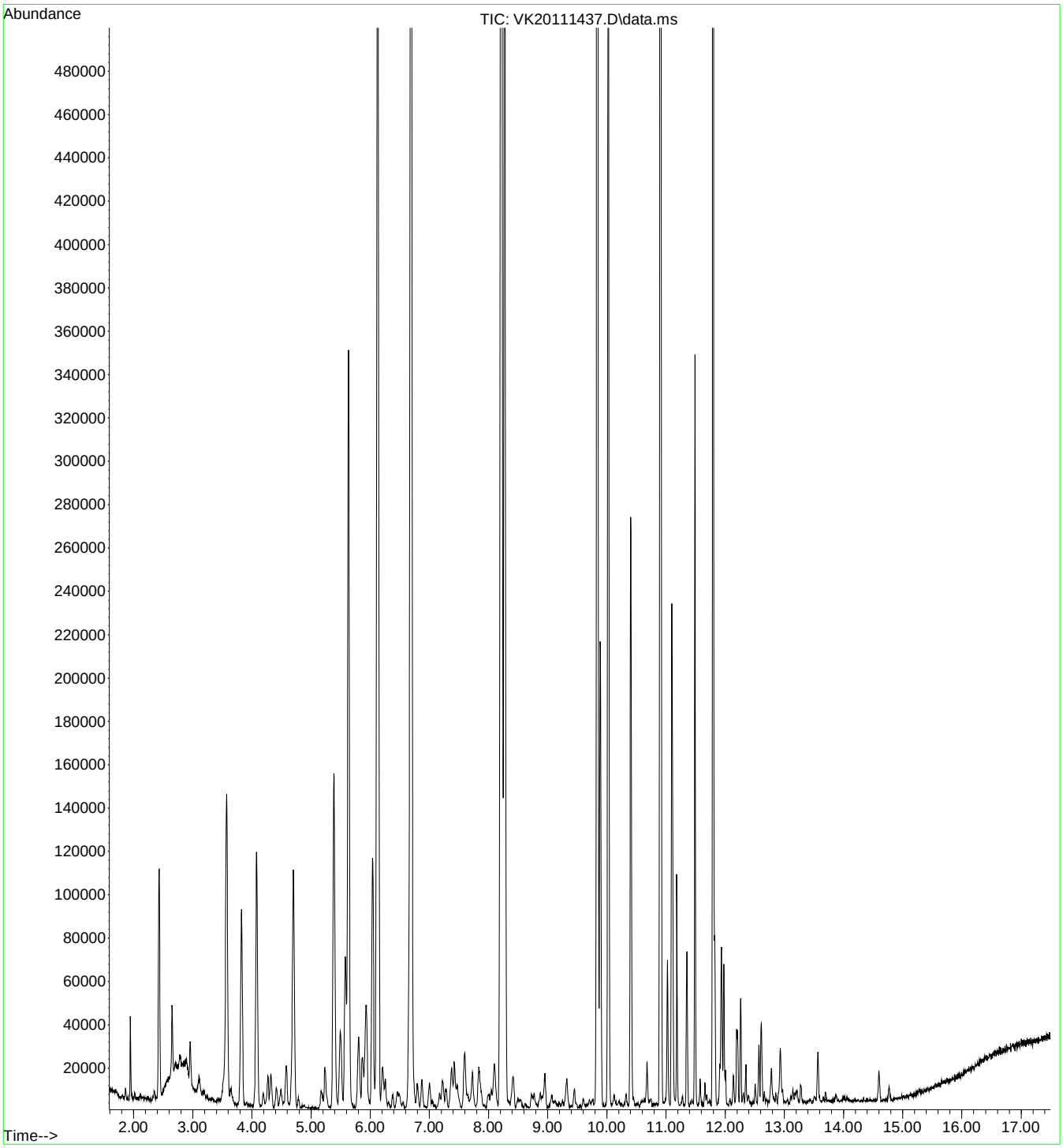
11/15/20 TNL

Quant Time: Nov 15 17:16:49 2020
Quant Method : C:\GCMS\1\methods\VK201115G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sun Nov 15 16:34:17 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.127	168	439950	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.689	114	790776	49.69	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.906	174	229694	48.58	ug/L	0.00
9) Toluene-d8 (NR)	8.211	98	841970	0.00	ug/L	0.00
11) Chlorobenzene-d5 (NR)	9.838	117	691104	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.794	150	475912	0.00	ug/L	0.00
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.883	TIC	6411017m	474.55	ug/L	
5) TPHg (C5-C9)	9.883	TIC	7509844m	485.09	ug/L	
6) TPHg (C6-C10)	9.883	TIC	6757541m	480.31	ug/L	
7) CA-LUFT (C5-C12)	9.883	TIC	9343636m	484.02	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

File   :C:\GCMS\1\data\2020-11\0K14006\VK20111437.D
Operator   : TNL
Acquired   : 15 Nov 2020 08:06 am using AcqMethod VK2004RUN.M
Instrument :   VOA-GCMS11
Sample Name: 0K14006-ICV2
Misc Info : 1X 5mL DI+MeOH   500PPB GX
Vial Number: 32



Quantitation Report (Not Reviewed)

Data Path : C:\GCMS\1\data\2020-11\0K14006\
Data File : VK20111438.D
Acq On : 15 Nov 2020 09:41 am
Operator : TNL
Sample : 0K14006-IBLD
Misc : 1X 5mL DI+MeOH
ALS Vial : 33 Sample Multiplier: 1

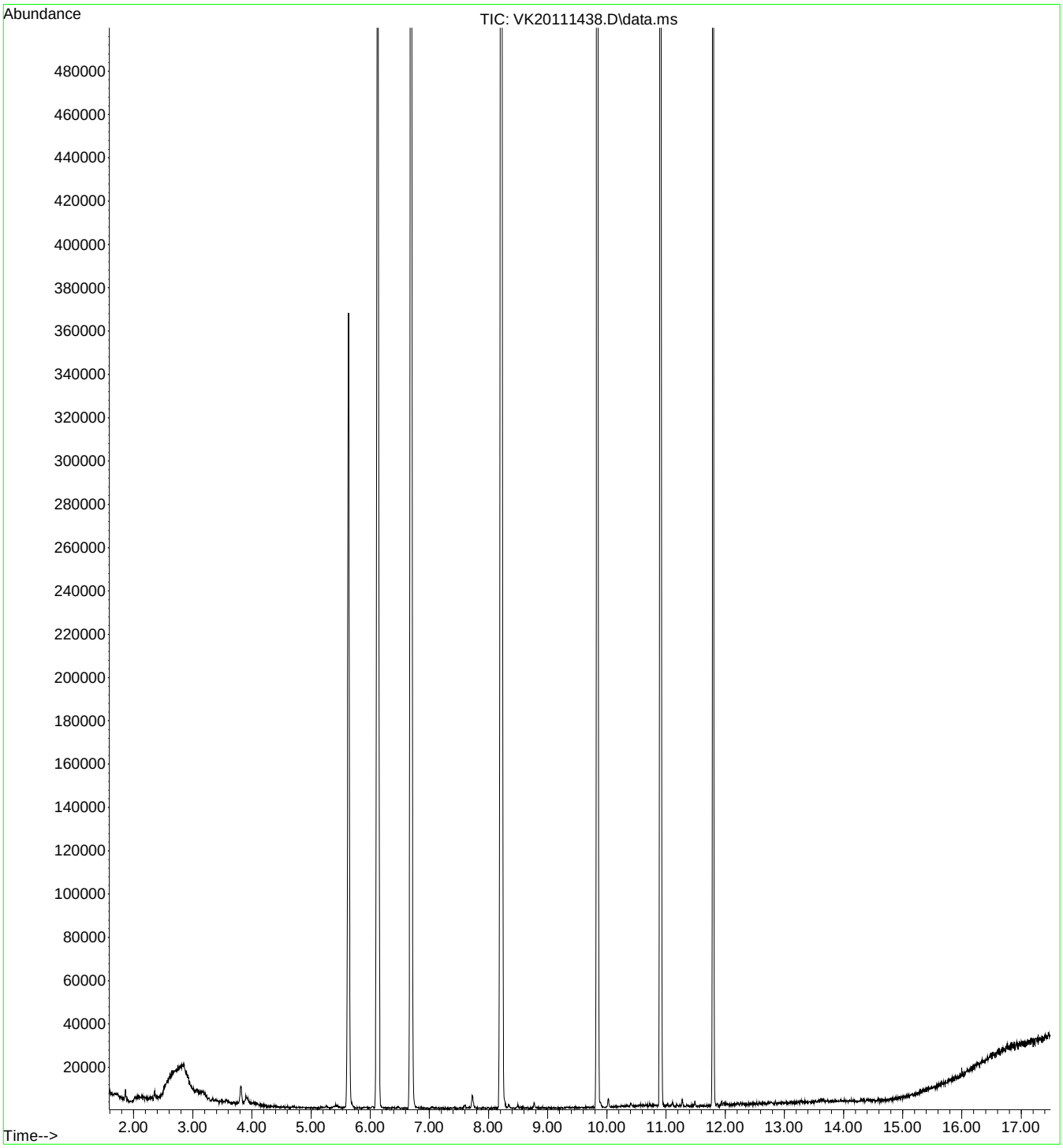
11/15/20 TNL

Quant Time: Nov 15 17:16:52 2020
Quant Method : C:\GCMS\1\methods\VK201115G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Sun Nov 15 16:34:17 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.126	168	450503	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.689	114	817530	50.16	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.910	174	249264	51.48	ug/L	0.00
9) Toluene-d8 (NR)	8.214	98	870391	0.00	ug/L	0.00
11) Chlorobenzene-d5 (NR)	9.838	117	724868	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.794	150	497568	0.00	ug/L	0.00
Target Compounds						Qvalue
4) NWTPH-Gx (TPH)	9.883	TIC	222942m	Below Cal		
5) TPHg (C5-C9)	9.883	TIC	964371m	Below Cal		
6) TPHg (C6-C10)	9.883	TIC	925958m	Below Cal		
7) CA-LUFT (C5-C12)	9.883	TIC	1017311m	Below Cal		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

File :C:\GCMS\1\data\2020-11\0K14006\VK20111438.D
Operator : TNL
Acquired : 15 Nov 2020 09:41 am using AcqMethod VK2004RUN.M
Instrument : VOA-GCMS11
Sample Name: 0K14006-IBLD
Misc Info : 1X 5mL DI+MeOH
Vial Number: 33



Selected Volatile Organic Compounds by EPA 5035A/8260D
Calibration Data

Sequence 0K18062 (Cal ID A0K1904) VOA-GCMS6

ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: **0K18062** Instrument: **VOA-GCMS6**

Date: **11/18/20 16:30** Calibration: **A0K1904**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0K18062-IBL1	Soil	QC	QC			A20G347	
2	0K18062-IBL2	Soil	QC	QC			A20G347	
3	0K18062-IBL3	Soil	QC	QC			A20G347	
4	0K18062-TUN1	Soil	QC	QC			A20G347	
5	0K18062-ICB1	Soil	QC	QC			A20G347	
6	0K18062-CAL1	Soil	QC	QC			A20G347	A20K242
7	0K18062-CAL2	Soil	QC	QC			A20G347	A20K243
8	0K18062-CAL3	Soil	QC	QC			A20G347	A20K244
9	0K18062-CAL4	Soil	QC	QC			A20G347	A20K245
10	0K18062-CAL5	Soil	QC	QC			A20G347	A20K246
11	0K18062-CAL6	Soil	QC	QC			A20G347	A20K247
12	0K18062-CAL7	Soil	QC	QC			A20G347	A20K248
13	0K18062-CAL8	Soil	QC	QC			A20G347	A20K249
14	0K18062-CAL9	Soil	QC	QC			A20G347	A20K162
15	0K18062-IBL4	Soil	QC	QC			A20G347	
16	0K18062-CALA	Soil	QC	QC			A20G347	A20K163
17	0K18062-IBL5	Soil	QC	QC			A20G347	
18	0K18062-CALB	Soil	QC	QC			A20G347	A20K164
19	0K18062-IBL6	Soil	QC	QC			A20G347	
20	0K18062-IBL7	Soil	QC	QC			A20G347	
21	0K18062-ICV1	Soil	QC	QC			A20G347	A20K165
22	0K18062-IBL8	Soil	QC	QC			A20G347	
23	0K18062-TUN2	Soil	QC	QC			A20G347	
24	0K18062-ICB2	Soil	QC	QC			A20G347	
25	0K18062-RES1	Soil	QC	QC			A20G347	A20I121
26	0K18062-IBL9	Soil	QC	QC			A20G347	
27	0K18062-CALC	Soil	QC	QC			A20G347	A20K166
28	0K18062-CALD	Soil	QC	QC			A20G347	A20K167
29	0K18062-CALE	Soil	QC	QC			A20G347	A20K168
30	0K18062-CALF	Soil	QC	QC			A20G347	A20K169
31	0K18062-CALG	Soil	QC	QC			A20G347	A20J323
32	0K18062-CALH	Soil	QC	QC			A20G347	A20J324
33	0K18062-CALJ	Soil	QC	QC			A20G347	A20J326
34	0K18062-CALI	Soil	QC	QC			A20G347	A20J325
35	0K18062-IBLA	Soil	QC	QC			A20G347	
36	0K18062-IBLB	Soil	QC	QC			A20G347	
37	0K18062-ICV2	Soil	QC	QC			A20G347	A20J406
38	0K18062-IBLC	Soil	QC	QC			A20G347	

Comments:
1,1,1,2-tetra MDL/MRL 0.5PPB/1PPB
t-1,3DCP MDL/MRL 1PPB/2PPB
Acrylonitrile MDL=MRL @5PPB
CCl2F2 E-05
CCl3F EST

Data Entered By/Date: 11/20/20 TNL

Data Reviewed By/Date: dgj 11/30/20

Calibration Status Report VOA-GCMS6

Method Path : Y:\METHODS\
Method File : VF201119S.M
Title : EPA 8260: Volatile Organic Compounds
Last Update : Thu Nov 19 16:36:27 2020
Response Via : Initial Calibration

11/20/20 TNL

#	ID	Conc	ISTD Conc	Path\File
1	1	-1	50	Y:\DATA\2020-11\0K18062\VF20111806.D
2	2	0	50	Y:\DATA\2020-11\0K18062\VF20111807.D
3	3	0	50	Y:\DATA\2020-11\0K18062\VF20111808.D
4	4	1	50	Y:\DATA\2020-11\0K18062\VF20111809.D
5	5	2	50	Y:\DATA\2020-11\0K18062\VF20111810.D
6	6	5	50	Y:\DATA\2020-11\0K18062\VF20111811.D
7	7	10	50	Y:\DATA\2020-11\0K18062\VF20111812.D
8	8	20	50	Y:\DATA\2020-11\0K18062\VF20111813.D
9	9	50	50	Y:\DATA\2020-11\0K18062\VF20111814.D
10	10	100	50	Y:\DATA\2020-11\0K18062\VF20111816.D
11	11	200	50	Y:\DATA\2020-11\0K18062\VF20111818.D

#	ID	Update Time	Quant Time	Acquisition Time
1	1	Nov 19 16:36 2020	Nov 19 13:12 2020	18 Nov 2020 7:26 pm
2	2	Nov 19 16:36 2020	Nov 19 13:13 2020	18 Nov 2020 7:54 pm
3	3	Nov 19 16:36 2020	Nov 19 13:17 2020	18 Nov 2020 8:21 pm
4	4	Nov 19 16:36 2020	Nov 19 13:20 2020	18 Nov 2020 8:48 pm
5	5	Nov 19 16:36 2020	Nov 19 13:23 2020	18 Nov 2020 9:15 pm
6	6	Nov 19 16:36 2020	Nov 19 13:25 2020	18 Nov 2020 9:42 pm
7	7	Nov 19 16:36 2020	Nov 19 13:30 2020	18 Nov 2020 10:10 pm
8	8	Nov 19 16:36 2020	Nov 19 13:34 2020	18 Nov 2020 10:37 pm
9	9	Nov 19 16:36 2020	Nov 19 13:37 2020	18 Nov 2020 11:04 pm
10	10	Nov 19 16:36 2020	Nov 19 13:43 2020	18 Nov 2020 11:58 pm
11	11	Nov 19 16:36 2020	Nov 19 13:46 2020	19 Nov 2020 12:52 am

VF201119S.M Thu Nov 19 16:51:32 2020

Response Factor Report VOA-GCMS6

Method Path : Y:\METHODS\
Method File : VF201119S.M
Title : EPA 8260: Volatile Organic Compounds
Last Update : Thu Nov 19 16:36:27 2020
Response Via : Initial Calibration

Calibration Files
1 =VF20111806.D 2 =VF20111807.D 3 =VF20111808.D 4 =VF20111809.D 5 =VF20111810.D
6 =VF20111811.D 7 =VF20111812.D 8 =VF20111813.D 9 =VF20111814.D 10 =VF20111816.D
11 =VF20111818.D

		Compound	1	2	3	4	5	6	7	8	9	10	11	Avg	%RSD
1)	I	Pentafluorobenzene...	----------ISTD----------												
2)		Dichlorodifluo...			0.602	0.725	0.803	0.775	0.756	0.731	0.937	0.827	0.815	0.775	11.75
3)	P	Chloromethane	1.249	1.110	1.097	1.033	0.922	0.967	0.893	1.022	0.951	0.943	1.019		10.66
4)	C	Vinyl Chloride			0.631	0.713	0.691	0.686	0.688	0.665	0.706	0.668	0.664	0.679	3.70
5)		Bromomethane					0.726	0.663	0.633	0.558	0.507			0.617	14.00
6)		Chloroethane				0.206	0.278	0.286	0.252	0.234	0.270	0.233	0.273	0.254	10.94
7)		Trichlorofluor...						0.530	0.662	0.398	0.349	0.368	0.380	0.448	27.55
8)		Ethanol				0.011	0.013	0.012	0.010	0.012	0.014	0.012		0.012	10.52
9)	C	1,1-Dichloroet...	1.217	1.127	1.241	1.249	1.257	1.252	1.239	1.215	1.272	1.278	1.235		3.49
10)		Carbon Disulfide	1.345	1.411	1.486	1.450	1.491	1.562	1.623	1.794	2.033		1.577		13.65
11)		Freon 113	0.572	0.657	0.853	0.883	0.830	0.829	0.833	0.780	0.823	0.866	0.793		12.59
12)		Iodomethane						0.185	0.267	0.391	0.525	0.651	0.709	0.455	46.14
13)		Methylene Chlo...					1.256	1.044	0.975	0.920	0.878	0.903	0.907	0.983	13.48

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14)		Acetone			0.363	0.372	0.324	0.253	0.267	0.321	0.260	0.307	0.309	14.80
15)		t-1,2-Dichloro...	1.154	1.223	1.371	1.327	1.323	1.360	1.363	1.369	1.408	1.457	1.335	6.58
16)		n-Hexane				0.168	0.168	0.188	0.191	0.191	0.193	0.212	0.187	8.14
17)		Methyl-tert-bu...	2.627	2.855	2.977	2.996	2.938	2.999	3.073	3.216	3.161	3.348	3.019	6.62
18)		tert-Butanol (...		0.098	0.120	0.118	0.115	0.127	0.140	0.145	0.142		0.126	12.80
19)		Diisopropyl et...		2.367	3.007	3.016	2.939	3.062	3.012	2.982	3.049		2.929	7.86
20)	P	1,1-Dichloroet...	1.572	1.772	1.945	1.832	1.787	1.837	1.856	1.799	1.839	1.688	1.793	5.68
21)		Acrylonitrile					0.363	0.447	0.474	0.478	0.395	0.471	0.438	11.00
22)		Ethyl-tert-but...			2.832	2.905	2.770	2.936	3.050	2.966	2.992		2.922	3.27
23)		c-1,2-Dichloro...	0.924	1.055	1.301	1.341	1.347	1.399	1.379	1.411	1.415	1.393	1.297	12.99
24)		2,2-Dichloropr...			0.776	0.759	0.768	0.830	0.871	0.918	0.985	1.045	0.869	12.26
25)		Bromochloromet...		0.655	0.678	0.717	0.714	0.721	0.699	0.702	0.684	0.684	0.695	3.10
26)	C	Chloroform	1.687	1.632	1.764	1.778	1.701	1.789	1.775	1.776	1.810	1.838	1.755	3.56
27)		Carbon Tetrach...			0.780	0.784	0.853	0.909	0.973	1.017	1.136		0.922	14.12
28)		Tetrahydrofuran				0.365	0.397	0.422	0.443	0.448	0.445	0.421	0.420	7.17
29)		1,1,1-Trichlor...	1.042	1.120	1.277	1.270	1.300	1.378	1.423	1.424	1.509	1.577	1.332	12.43
30)	S	Dibromofluorom...	0.829	0.841	0.827	0.850	0.838	0.857	0.875	0.890	0.915	0.911	0.903	0.867	3.85
31)		1,1-Dichloropr...		1.206	1.320	1.319	1.316	1.372	1.399	1.368	1.430	1.477	1.356	5.76

Method Path : Y:\METHODS\
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32)		2-Butanone (MEK)				0.471	0.485	0.514	0.606	0.610	0.618	0.621	0.567	0.561	11.12
33)		Benzene	4.491	4.620	4.276	4.783	4.730	4.605	4.692	4.633	4.526	4.583	4.644	4.598	2.96
34)		tert-Amyl meth...			1.977	2.662	2.742	2.522	2.777	2.768	2.769	2.842		2.632	10.71
35)		1,2-Dichloroet...			1.263	1.442	1.504	1.421	1.455	1.459	1.473	1.457	1.454	1.437	4.78
36)		iso-Butyl Alcohol					0.044	0.046	0.050	0.056	0.062	0.062	0.062	0.055	14.24
37)	S	1,4-Difluorobe...	3.120	3.110	3.093	3.113	3.067	3.030	3.090	3.071	3.089	3.057	3.104	3.086	0.88
38)		Trichloroethen...		0.970	0.870	1.040	1.048	1.035	1.098	1.099	1.080	1.133	1.185	1.056	8.32
39)		tert-Amyl ethy...				1.577	1.816	1.773	1.875	1.934	1.964	2.061		1.857	8.41
40)		Dibromomethane				0.546	0.577	0.577	0.616	0.620	0.652	0.665	0.690	0.618	7.98
41)	C	1,2-Dichloropr...			0.902	1.109	1.083	1.093	1.131	1.109	1.135	1.139	1.153	1.095	6.92
42)		Bromodichlorom...				0.844	0.933	0.928	1.027	1.098	1.228			1.010	13.70
43)		Chlorobenzene-d5 (I)	----------	----------	ISTD	----------	----------	----------	----------	----------	----------	----------	----------	----------	
44)		c-1,3-Dichloro...			0.273	0.357	0.371	0.404	0.464	0.505	0.561	0.593	0.631	0.462	26.06
45)	S	Toluene-d8 (S)	1.456	1.450	1.454	1.451	1.450	1.435	1.447	1.425	1.419	1.391	1.414	1.436	1.46
46)	C	Toluene	2.205	1.910	1.847	1.822	1.765	1.761	1.750	1.739	1.668	1.692	1.726	1.808	8.24
47)		Tetrachloroeth...			0.310	0.338	0.369	0.364	0.360	0.367	0.345	0.366	0.386	0.356	6.21
48)		4-Methyl-2-Pen...			0.309	0.374	0.379	0.391	0.425	0.441	0.451	0.441	0.406	0.402	11.18
49)		t-1,3-Dichloro...				0.255	0.288	0.340	0.391	0.454	0.512	0.545	0.579	0.420	28.78

Method Path : Y:\METHODS\
Method File : VF201119S.M
Title : EPA 8260: Volatile Organic Compounds
Last Update : Thu Nov 19 16:36:27 2020

50)		1,1,2-Trichlor...			0.313	0.357	0.372	0.355	0.371	0.374	0.373	0.370	0.380	0.363	5.62
51)		Dibromochlorom...			0.130	0.186	0.206	0.224	0.258	0.279	0.325	0.350	0.381	0.260	31.59
52)		1,3-Dichloropr...		0.650	0.589	0.643	0.652	0.651	0.687	0.685	0.682	0.676	0.685	0.660	4.60
53)		1,2-Dibromoeth...				0.297	0.310	0.323	0.357	0.365	0.381	0.386	0.399	0.352	10.77
54)		2-Hexanone					0.211	0.228	0.271	0.289	0.300	0.306	0.297	0.272	13.93
55)	P	Chlorobenzene	1.024	1.134	1.108	1.106	1.122	1.062	1.078	1.067	1.050	1.072	1.089	1.083	3.01
56)	C	Ethylbenzene	1.377	1.414	1.518	1.724	1.744	1.718	1.765	1.769	1.725	1.766	1.801	1.665	9.17
57)		1,1,1,2-Tetrac...			0.183	0.248	0.258	0.261	0.288	0.309	0.336	0.350	0.370	0.289	20.28
58)		m,p-Xylenes (2)	1.013	1.137	1.044	1.210	1.211	1.246	1.293	1.300	1.277	1.311	1.323	1.215	8.83
59)		o-Xylene	0.852	1.010	1.055	1.138	1.180	1.206	1.283	1.301	1.302	1.356	1.376	1.187	13.67
60)		Styrene				0.722	0.773	0.873	0.942	0.984	1.043	1.087		0.918	14.77
61)	P	Bromoform				0.130	0.132	0.137	0.155	0.182	0.218	0.243	0.254	0.181	28.14
62)		Isopropylbenzene		1.105	1.062	1.260	1.303	1.392	1.471	1.501	1.482	1.568	1.603	1.375	13.62
63)	I	1,4-Dichlorobenzen...	----------	ISTD	----------										
64)	S	4-Bromofluorob...	0.871	0.865	0.885	0.878	0.879	0.870	0.865	0.867	0.862	0.859	0.868	0.870	0.90
65)		Bromobenzene		0.629	0.785	0.854	0.866	0.850	0.880	0.873	0.848	0.866	0.900	0.835	9.38
66)		n-Propylbenzene		3.170	3.171	3.393	3.769	3.510	3.648	3.740	3.603	3.791	3.917	3.571	7.22
67)	P	1,1,2,2-Tetrac...		1.014	0.906	1.027	1.059	0.997	1.039	1.056	1.047	1.015	1.017	1.018	4.33

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68)	2-Chlorotoluene		0.515	0.638	0.725	0.723	0.728	0.758	0.753	0.745	0.780	0.817	0.718	11.83
69)	1,3,5-Trimethy...	1.753	1.993	1.998	2.104	2.296	2.273	2.463	2.522	2.454	2.592	2.684	2.285	12.79
70)	1,2,3-Trichlor...			0.275	0.363	0.426	0.354	0.361	0.364	0.349	0.339	0.335	0.352	11.08
71)	t-1,4-Dichloro...					0.036	0.071	0.077	0.094	0.117	0.125	0.137	0.094	37.93
72)	4-Chlorotoluene	1.569	1.660	1.943	2.169	2.230	2.228	2.345	2.406	2.296	2.365	2.404	2.147	13.73
73)	tert-Butylbenzene		1.006	1.177	1.303	1.262	1.272	1.339	1.352	1.315	1.364	1.431	1.282	9.24
74)	1,2,4-Trimethy...		2.034	1.940	2.038	2.298	2.320	2.467	2.548	2.500	2.613	2.700	2.346	11.33
75)	sec-Butylbenzene		2.145	2.346	2.463	2.728	2.724	2.883	2.926	2.856	2.986	3.131	2.719	11.39
76)	4-Isopropyltol...			1.698	1.920	2.111	2.136	2.329	2.429	2.378	2.522	2.655	2.242	13.55
77)	1,3-Dichlorobe...	1.120	0.925	1.214	1.351	1.542	1.389	1.388	1.410	1.400	1.428	1.453	1.329	13.25
78)	1,4-Dichlorobe...	1.526	1.391	1.570	1.508	1.713	1.449	1.436	1.452	1.410	1.439	1.458	1.487	6.13
79)	n-Butylbenzene		1.489	1.651	1.730	1.814	1.856	1.937	2.037	2.023	2.068	2.149	1.875	11.08
80)	1,2-Dichlorobe...	0.963	1.074	1.232	1.238	1.536	1.294	1.315	1.331	1.286	1.301	1.342	1.265	11.68
81)	1,2-Dibromo-3-...				0.105	0.144	0.113	0.148	0.171	0.192	0.223	0.256	0.169	31.10
82)	Hexachlorobuta...				0.152	0.173	0.174	0.182	0.178	0.175	0.170	0.182	0.173	5.51
83)	1,2,4-Trichlor...				0.515	0.765	0.603	0.624	0.666	0.701	0.707	0.778	0.670	13.08
84)	Naphthalene		1.031	1.081	1.275	2.089	1.667	1.919	2.245	2.453	2.660	2.899	1.932	34.07
85)	1,2,3-Trichlor...				0.520	0.561	0.583	0.597	0.650	0.651	0.678	0.740	0.623	11.37

Method Path : Y:\METHODS\
Method File : VF201119S.M
Title : EPA 8260: Volatile Organic Compounds
Last Update : Thu Nov 19 16:36:27 2020

(#) = Out of Range

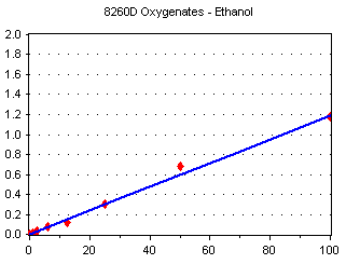
Element Calibration Review Sheet

Calibration ID: **A0K1904** Instrument: **VOA-GCMS6** Calibration Date: **11/19/2020**

Analysis: **8260D Oxygenates** Instrument Cal ID: **VF201119G.M/VF201119S.M**

Ethanol

Curve Fit: **AVERAGE RF**

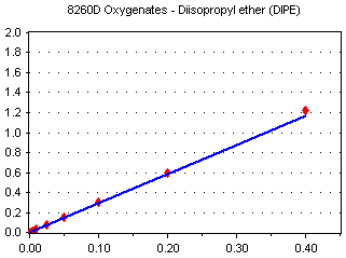


Standard	Concentration	Response	Response Factor	RT
~~0K18062-CAL1~~	~~6.25~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL2~~	~~12.5~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL3~~	~~25~~	~~0~~	~~0.000~~	~~0.00~~
0K18062-CAL4	62.5	969	1.080	3.16
0K18062-CAL5	125	2246	1.264	3.25
0K18062-CAL6	312	5468	1.219	3.20
0K18062-CAL7	625	8654	9.867	3.17
0K18062-CAL8	1250	20906	1.209	3.19
0K18062-CAL9	2500	48562	1.373	0.00
0K18062-CALA	5000	86513	1.174	0.00

AVE RF **1.187** RF RSD **10.52** AVE RT **2.28**

Diisopropyl ether (DIPE)

Curve Fit: **AVERAGE RF**

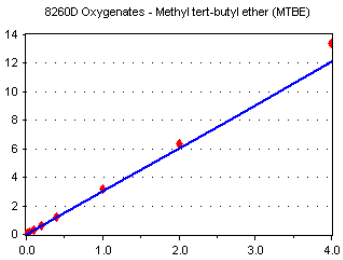


Standard	Concentration	Response	Response Factor	RT
~~0K18062-CAL1~~	~~0.025~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL2~~	~~0.05~~	~~0~~	~~0.000~~	~~0.00~~
0K18062-CAL3	0.1	364	2.367	0.00
0K18062-CAL4	0.25	1079	3.007	4.40
0K18062-CAL5	0.5	2144	3.016	4.40
0K18062-CAL6	1.25	5283	2.939	4.40
0K18062-CAL7	2.5	10744	3.062	4.41
0K18062-CAL8	5	20831	3.012	4.40
0K18062-CAL9	10	42203	2.982	4.40
0K18062-CALA	20	89840	3.049	4.41

AVE RF **2.929** RF RSD **7.86** AVE RT **3.85**

Methyl tert-butyl ether (MTBE)

Curve Fit: **AVERAGE RF**

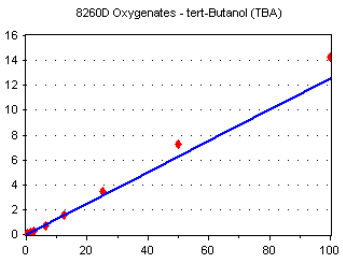


Standard	Concentration	Response	Response Factor	RT
~~0K18062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
0K18062-CAL2	0.2	799	2.627	4.02
0K18062-CAL3	0.4	1756	2.855	4.02
0K18062-CAL4	1	4272	2.977	4.01
0K18062-CAL5	2	8518	2.996	4.02
0K18062-CAL6	5	21125	2.938	4.01
0K18062-CAL7	10	42091	2.999	4.02
0K18062-CAL8	20	85014	3.073	4.01
0K18062-CAL9	50	227524	3.216	4.01
0K18062-CALA	100	465798	3.161	4.01
0K18062-CALB	200	1002181	3.348	4.01

AVE RF **3.019** RF RSD **6.62** AVE RT **4.01**

tert-Butanol (TBA)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
~~0K18062-CAL1~~	~~6.25~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL2~~	~~12.5~~	~~0~~	~~0.000~~	~~0.00~~
0K18062-CAL3	25	3777	9.825	4.22
0K18062-CAL4	62.5	10752	0.120	4.16
0K18062-CAL5	125	20967	0.118	4.20
0K18062-CAL6	312	51616	0.115	4.22
0K18062-CAL7	625	111700	0.127	4.18
0K18062-CAL8	1250	241574	0.140	4.18
0K18062-CAL9	2500	512986	0.145	4.21
0K18062-CALA	5000	1049201	0.142	4.18

AVE RF **0.126** RF RSD **12.80** AVE RT **4.19**

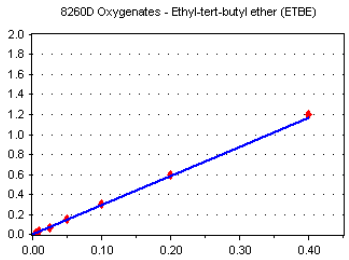
Element Calibration Review Sheet

Calibration ID: **A0K1904** Instrument: **VOA-GCMS6** Calibration Date: **11/19/2020**

Analysis: **8260D Oxygenates** Instrument Cal ID: **VF201119G.M/VF201119S.M**

Ethyl-tert-butyl ether (ETBE)

Curve Fit: **AVERAGE RF**

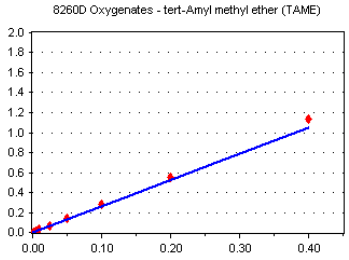


Standard	Concentration	Response	Response Factor	RT
~~0K18062-CAL1~~	~~0.025~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL2~~	~~0.05~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL3~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
0K18062-CAL4	0.25	1016	2.832	4.76
0K18062-CAL5	0.5	2065	2.905	4.78
0K18062-CAL6	1.25	4979	2.770	4.77
0K18062-CAL7	2.5	10299	2.936	4.78
0K18062-CAL8	5	21089	3.050	4.77
0K18062-CAL9	10	41978	2.966	4.77
0K18062-CALA	20	88184	2.992	4.77

AVE RF **2.922** RF RSD **3.27** AVE RT **4.77**

tert-Amyl methyl ether (TAME)

Curve Fit: **AVERAGE RF**

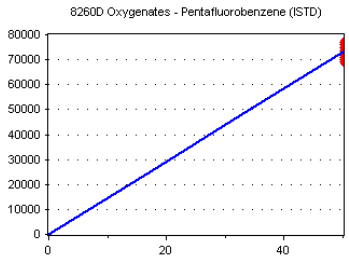


Standard	Concentration	Response	Response Factor	RT
~~0K18062-CAL1~~	~~0.025~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL2~~	~~0.05~~	~~0~~	~~0.000~~	~~0.00~~
0K18062-CAL3	0.1	304	1.977	0.00
0K18062-CAL4	0.25	955	2.662	6.06
0K18062-CAL5	0.5	1949	2.742	6.06
0K18062-CAL6	1.25	4533	2.522	6.06
0K18062-CAL7	2.5	9743	2.777	6.06
0K18062-CAL8	5	19144	2.768	6.06
0K18062-CAL9	10	39182	2.769	6.05
0K18062-CALA	20	83767	2.842	6.06

AVE RF **2.632** RF RSD **10.71** AVE RT **5.30**

Pentafluorobenzene (ISTD)

Curve Fit: **AVERAGE RF**

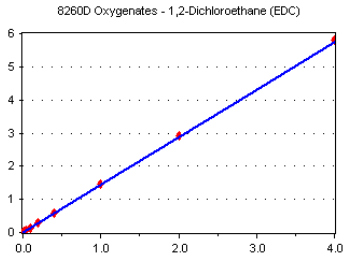


Standard	Concentration	Response	Response Factor	RT
0K18062-CAL1	50	77158	1543.160	6.02
0K18062-CAL2	50	76032	1520.640	6.02
0K18062-CAL3	50	76882	1537.640	6.02
0K18062-CAL4	50	71760	1435.200	6.02
0K18062-CAL5	50	71083	1421.660	6.02
0K18062-CAL6	50	71892	1437.840	6.02
0K18062-CAL7	50	70167	1403.340	6.02
0K18062-CAL8	50	69152	1383.040	6.02
0K18062-CAL9	50	70758	1415.160	6.02
0K18062-CALA	50	73674	1473.480	6.02
0K18062-CALB	50	74842	1496.840	6.02

AVE RF **1460.727** RF RSD **3.86** AVE RT **6.02**

1,2-Dichloroethane (EDC)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
~~0K18062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
0K18062-CAL3	0.4	777	1.263	6.15
0K18062-CAL4	1	2070	1.442	6.14
0K18062-CAL5	2	4276	1.504	6.15
0K18062-CAL6	5	10219	1.421	6.15
0K18062-CAL7	10	20415	1.455	6.15
0K18062-CAL8	20	40368	1.459	6.14
0K18062-CAL9	50	104207	1.473	6.15
0K18062-CALA	100	214732	1.457	6.15
0K18062-CALB	200	435304	1.454	6.15

AVE RF **1.437** RF RSD **4.78** AVE RT **6.15**

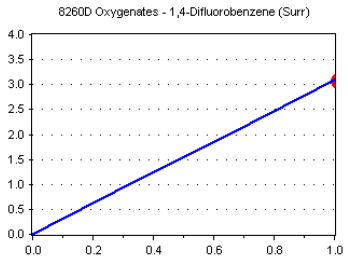
Element Calibration Review Sheet

Calibration ID: **A0K1904** Instrument: **VOA-GCMS6** Calibration Date: **11/19/2020**

Analysis: **8260D Oxygenates** Instrument Cal ID: **VF201119G.M/VF201119S.M**

1,4-Difluorobenzene (Surr)

Curve Fit: **AVERAGE RF**

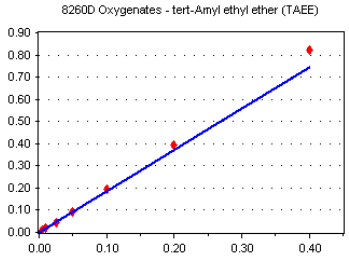


Standard	Concentration	Response	Response Factor	RT
0K18062-CAL1	50	240769	3.120	6.58
0K18062-CAL2	50	236428	3.110	6.58
0K18062-CAL3	50	237778	3.093	6.58
0K18062-CAL4	50	223356	3.113	6.58
0K18062-CAL5	50	218040	3.067	6.59
0K18062-CAL6	50	217863	3.030	6.58
0K18062-CAL7	50	216832	3.090	6.58
0K18062-CAL8	50	212389	3.071	6.58
0K18062-CAL9	50	218582	3.089	6.58
0K18062-CALA	50	225226	3.057	6.58
0K18062-CALB	50	232298	3.104	6.58

AVE RF **3.086** RF RSD **0.88** AVE RT **6.58**

tert-Amyl ethyl ether (TAEE)

Curve Fit: **AVERAGE RF**

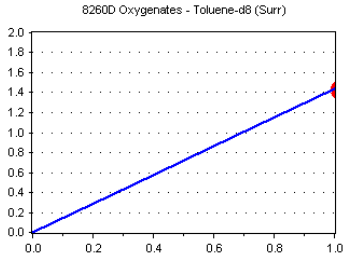


Standard	Concentration	Response	Response Factor	RT
~~0K18062-CAL1~~	~~0.025~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL2~~	~~0.05~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL3~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
0K18062-CAL4	0.25	566	1.577	6.80
0K18062-CAL5	0.5	1291	1.816	6.80
0K18062-CAL6	1.25	3187	1.773	6.80
0K18062-CAL7	2.5	6578	1.875	6.80
0K18062-CAL8	5	13375	1.934	6.80
0K18062-CAL9	10	27794	1.964	6.80
0K18062-CALA	20	60750	2.061	6.80

AVE RF **1.857** RF RSD **8.41** AVE RT **6.80**

Toluene-d8 (Surr)

Curve Fit: **AVERAGE RF**

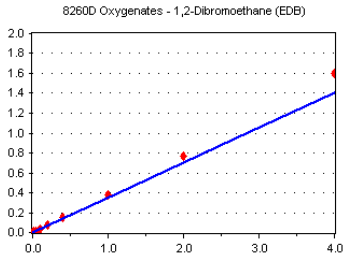


Standard	Concentration	Response	Response Factor	RT
0K18062-CAL1	50	309383	1.456	8.09
0K18062-CAL2	50	303923	1.450	8.09
0K18062-CAL3	50	303847	1.454	8.09
0K18062-CAL4	50	284112	1.451	8.08
0K18062-CAL5	50	279194	1.450	8.09
0K18062-CAL6	50	278590	1.435	8.09
0K18062-CAL7	50	276445	1.447	8.09
0K18062-CAL8	50	271584	1.425	8.09
0K18062-CAL9	50	282041	1.419	8.09
0K18062-CALA	50	288736	1.391	8.09
0K18062-CALB	50	297673	1.414	8.09

AVE RF **1.436** RF RSD **1.46** AVE RT **8.09**

1,2-Dibromoethane (EDB)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
~~0K18062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL3~~	~~0.4~~	~~346~~	~~0.207~~	~~9.25~~
0K18062-CAL4	1	1161	0.297	9.25
0K18062-CAL5	2	2385	0.310	9.25
0K18062-CAL6	5	6279	0.323	9.24
0K18062-CAL7	10	13626	0.357	9.24
0K18062-CAL8	20	27857	0.365	9.24
0K18062-CAL9	50	75650	0.381	9.24
0K18062-CALA	100	160072	0.386	9.24
0K18062-CALB	200	336119	0.399	9.24

AVE RF **0.352** RF RSD **10.77** AVE RT **9.24**

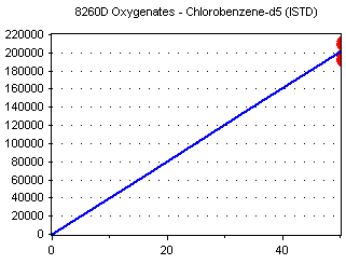
Element Calibration Review Sheet

Calibration ID: **A0K1904** Instrument: **VOA-GCMS6** Calibration Date: **11/19/2020**

Analysis: **8260D Oxygenates** Instrument Cal ID: **VF201119G.M/VF201119S.M**

Chlorobenzene-d5 (ISTD)

Curve Fit: **AVERAGE RF**

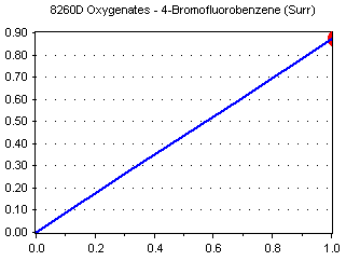


Standard	Concentration	Response	Response Factor	RT
0K18062-CAL1	50	212427	4248.540	9.74
0K18062-CAL2	50	209658	4193.160	9.74
0K18062-CAL3	50	208976	4179.520	9.74
0K18062-CAL4	50	195748	3914.960	9.74
0K18062-CAL5	50	192510	3850.200	9.74
0K18062-CAL6	50	194196	3883.920	9.74
0K18062-CAL7	50	191092	3821.840	9.74
0K18062-CAL8	50	190541	3810.820	9.74
0K18062-CAL9	50	198760	3975.200	9.74
0K18062-CALA	50	207591	4151.820	9.74
0K18062-CALB	50	210488	4209.760	9.74

AVE RF **4021.795** RF RSD **4.34** AVE RT **9.74**

4-Bromofluorobenzene (Surr)

Curve Fit: **AVERAGE RF**

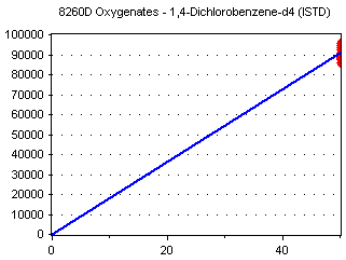


Standard	Concentration	Response	Response Factor	RT
0K18062-CAL1	50	80532	0.871	10.81
0K18062-CAL2	50	79731	0.865	10.81
0K18062-CAL3	50	80354	0.885	10.81
0K18062-CAL4	50	77029	0.878	10.81
0K18062-CAL5	50	75454	0.879	10.81
0K18062-CAL6	50	76960	0.870	10.81
0K18062-CAL7	50	75647	0.865	10.81
0K18062-CAL8	50	76417	0.867	10.81
0K18062-CAL9	50	80402	0.862	10.81
0K18062-CALA	50	82408	0.859	10.81
0K18062-CALB	50	82106	0.868	10.81

AVE RF **0.870** RF RSD **0.90** AVE RT **10.81**

1,4-Dichlorobenzene-d4 (ISTD)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0K18062-CAL1	50	92426	1848.520	11.69
0K18062-CAL2	50	92179	1843.580	11.69
0K18062-CAL3	50	90784	1815.680	11.69
0K18062-CAL4	50	87778	1755.560	11.70
0K18062-CAL5	50	85828	1716.560	11.69
0K18062-CAL6	50	88453	1769.060	11.69
0K18062-CAL7	50	87428	1748.560	11.69
0K18062-CAL8	50	88102	1762.040	11.69
0K18062-CAL9	50	93317	1866.340	11.69
0K18062-CALA	50	95925	1918.500	11.69
0K18062-CALB	50	94597	1891.940	11.69

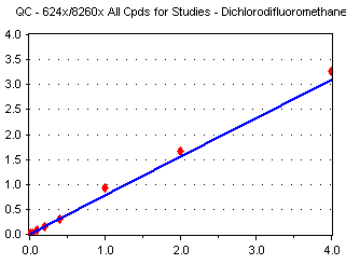
AVE RF **1812.395** RF RSD **3.65** AVE RT **11.69**

Element Calibration Review Sheet

Calibration ID: **A0K1904** Instrument: **VOA-GCMS6** Calibration Date: **11/19/2020**

Analysis: **QC - 624x/8260x All Cpds fo** Instrument Cal ID: **VF201119G.M/VF201119S.M**

Dichlorodifluoromethane

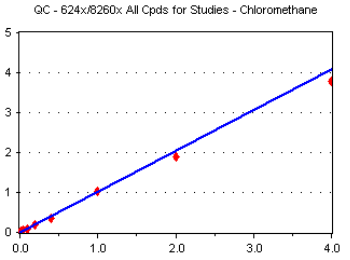


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
~~0K18062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
0K18062-CAL3	0.4	370	0.602	1.61
0K18062-CAL4	1	1041	0.725	1.60
0K18062-CAL5	2	2283	0.803	1.61
0K18062-CAL6	5	5571	0.775	1.60
0K18062-CAL7	10	10611	0.756	1.61
0K18062-CAL8	20	20219	0.731	1.60
0K18062-CAL9	50	66328	0.937	1.60
0K18062-CALA	100	121868	0.827	1.61
0K18062-CALB	200	243838	0.815	1.61

AVE RF **0.775** RF RSD **11.75** AVE RT **1.60**

Chloromethane

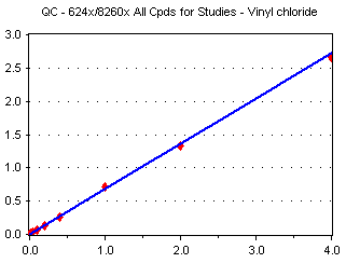


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
~~0K18062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
0K18062-CAL2	0.2	380	1.249	1.82
0K18062-CAL3	0.4	683	1.110	1.82
0K18062-CAL4	1	1575	1.097	1.80
0K18062-CAL5	2	2938	1.033	1.82
0K18062-CAL6	5	6629	0.922	1.80
0K18062-CAL7	10	13576	0.967	1.82
0K18062-CAL8	20	24696	0.893	1.81
0K18062-CAL9	50	72281	1.022	1.81
0K18062-CALA	100	140151	0.951	1.82
0K18062-CALB	200	282362	0.943	1.82

AVE RF **1.019** RF RSD **10.66** AVE RT **1.81**

Vinyl chloride

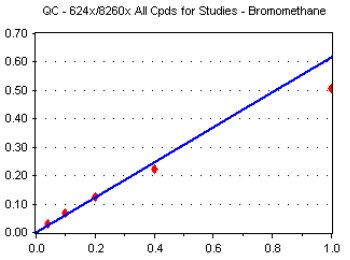


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
~~0K18062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
0K18062-CAL3	0.4	388	0.631	1.90
0K18062-CAL4	1	1023	0.713	1.89
0K18062-CAL5	2	1966	0.691	1.90
0K18062-CAL6	5	4934	0.686	1.89
0K18062-CAL7	10	9660	0.688	1.90
0K18062-CAL8	20	18382	0.665	1.89
0K18062-CAL9	50	49966	0.706	1.90
0K18062-CALA	100	98440	0.668	1.90
0K18062-CALB	200	198758	0.664	1.90

AVE RF **0.679** RF RSD **3.70** AVE RT **1.90**

Bromomethane



Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
~~0K18062-CAL1~~	~~0.1~~	~~244~~	~~1.581~~	~~2.25~~
~~0K18062-CAL2~~	~~0.2~~	~~391~~	~~1.286~~	~~2.25~~
~~0K18062-CAL3~~	~~0.4~~	~~675~~	~~1.097~~	~~2.26~~
~~0K18062-CAL4~~	~~1~~	~~1266~~	~~0.882~~	~~2.25~~
0K18062-CAL5	2	2063	0.726	2.26
0K18062-CAL6	5	4770	0.663	2.25
0K18062-CAL7	10	8889	0.633	2.26
0K18062-CAL8	20	15438	0.558	2.25
0K18062-CAL9	50	35846	0.507	2.25
~~0K18062-CALA~~	~~100~~	~~69119~~	~~0.469~~	~~2.26~~
~~0K18062-CALB~~	~~200~~	~~138111~~	~~0.461~~	~~2.26~~

AVE RF **0.617** RF RSD **14.00** AVE RT **2.25**

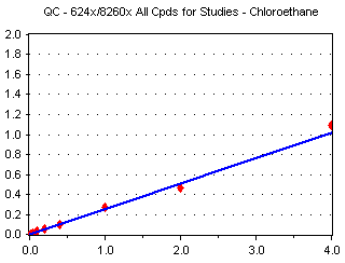
Element Calibration Review Sheet

Calibration ID: **A0K1904** Instrument: **VOA-GCMS6** Calibration Date: **11/19/2020**

Analysis: **QC - 624x/8260x All Cpds fo** Instrument Cal ID: **VF201119G.M/VF201119S.M**

Chloroethane

Curve Fit: **AVERAGE RF**

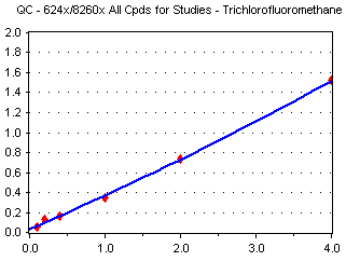


Standard	Concentration	Response	Response Factor	RT
~~0K18062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL3~~	~~0.4~~	~~0~~	~~0.000~~	~~0.00~~
0K18062-CAL4	1	295	0.206	2.38
0K18062-CAL5	2	791	0.278	2.40
0K18062-CAL6	5	2053	0.286	2.39
0K18062-CAL7	10	3542	0.252	2.39
0K18062-CAL8	20	6481	0.234	2.38
0K18062-CAL9	50	19104	0.270	2.39
0K18062-CALA	100	34284	0.233	2.39
0K18062-CALB	200	81837	0.273	2.40

AVE RF **0.254** RF RSD **10.94** AVE RT **2.39**

Trichlorofluoromethane

Curve Fit: **QUADRATIC: Weighting: (1/a), Origin: Ignore**

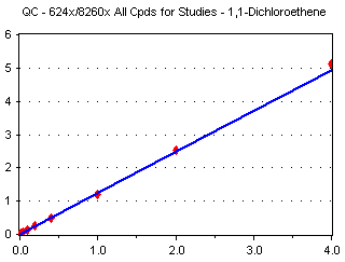


Standard	Concentration	Response	Response Factor	RT
~~0K18062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL3~~	~~0.4~~	~~199~~	~~0.324~~	~~2.54~~
~~0K18062-CAL4~~	~~1~~	~~1252~~	~~0.872~~	~~2.51~~
~~0K18062-CAL5~~	~~2~~	~~1169~~	~~0.411~~	~~2.53~~
0K18062-CAL6	5	3808	0.530	2.52
0K18062-CAL7	10	9292	0.662	2.52
0K18062-CAL8	20	11000	0.398	2.51
0K18062-CAL9	50	24668	0.349	2.52
0K18062-CALA	100	54173	0.368	2.52
0K18062-CALB	200	113686	0.380	2.53

AVE RF **0.448** RF RSD **27.55** AVE RT **2.52**

1,1-Dichloroethene

Curve Fit: **AVERAGE RF**

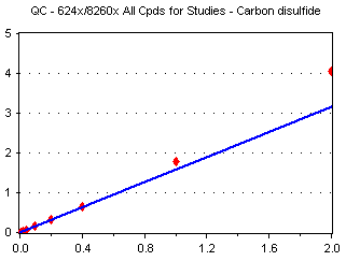


Standard	Concentration	Response	Response Factor	RT
~~0K18062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
0K18062-CAL2	0.2	370	1.217	3.09
0K18062-CAL3	0.4	693	1.127	3.08
0K18062-CAL4	1	1781	1.241	3.08
0K18062-CAL5	2	3550	1.249	3.09
0K18062-CAL6	5	9036	1.257	3.08
0K18062-CAL7	10	17569	1.252	3.09
0K18062-CAL8	20	34267	1.239	3.08
0K18062-CAL9	50	85967	1.215	3.08
0K18062-CALA	100	187499	1.272	3.09
0K18062-CALB	200	382715	1.278	3.09

AVE RF **1.235** RF RSD **3.49** AVE RT **3.08**

Carbon disulfide

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
~~0K18062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
0K18062-CAL2	0.2	409	1.345	3.11
0K18062-CAL3	0.4	868	1.411	3.11
0K18062-CAL4	1	2132	1.486	3.10
0K18062-CAL5	2	4123	1.450	3.11
0K18062-CAL6	5	10717	1.491	3.09
0K18062-CAL7	10	21924	1.562	3.11
0K18062-CAL8	20	44882	1.623	3.09
0K18062-CAL9	50	126921	1.794	3.09
0K18062-CALA	100	299568	2.033	3.10
~~0K18062-CALB~~	~~200~~	~~654354~~	~~2.186~~	~~3.10~~

AVE RF **1.577** RF RSD **13.65** AVE RT **3.10**

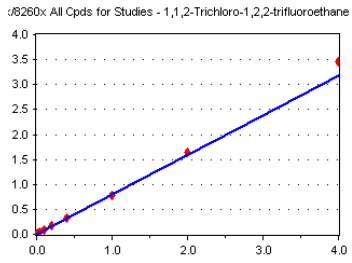
Element Calibration Review Sheet

Calibration ID: **A0K1904** Instrument: **VOA-GCMS6** Calibration Date: **11/19/2020**

Analysis: **QC - 624x/8260x All Cpds fo** Instrument Cal ID: **VF201119G.M/VF201119S.M**

1,1,2-Trichloro-1,2,2-trifluoroetha

Curve Fit: **AVERAGE RF**

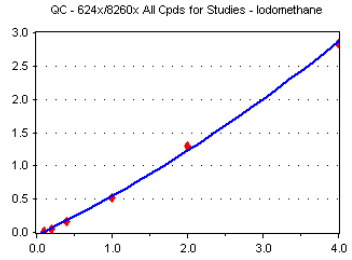


Standard	Concentration	Response	Response Factor	RT
~~0K18062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
0K18062-CAL2	0.2	174	0.572	3.14
0K18062-CAL3	0.4	404	0.657	3.14
0K18062-CAL4	1	1224	0.853	3.13
0K18062-CAL5	2	2512	0.883	3.14
0K18062-CAL6	5	5967	0.830	3.12
0K18062-CAL7	10	11635	0.829	3.14
0K18062-CAL8	20	23038	0.833	3.12
0K18062-CAL9	50	55209	0.780	3.13
0K18062-CALA	100	121211	0.823	3.14
0K18062-CALB	200	259159	0.866	3.14

AVE RF **0.793** RF RSD **12.59** AVE RT **3.13**

Iodomethane

Curve Fit: **QUADRATIC: Weighting: (1/a), Origin: Ignore**

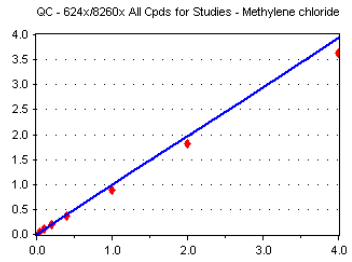


Standard	Concentration	Response	Response Factor	RT
~~0K18062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL3~~	~~0.4~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL4~~	~~1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL5~~	~~2~~	~~335~~	~~0.118~~	~~3.25~~
0K18062-CAL6	5	1330	0.185	3.24
0K18062-CAL7	10	3750	0.267	3.25
0K18062-CAL8	20	10817	0.391	3.23
0K18062-CAL9	50	37147	0.525	3.23
0K18062-CALA	100	95947	0.651	3.24
0K18062-CALB	200	212204	0.709	3.24

AVE RF **0.455** RF RSD **46.14** AVE RT **3.24**

Methylene chloride

Curve Fit: **AVERAGE RF**

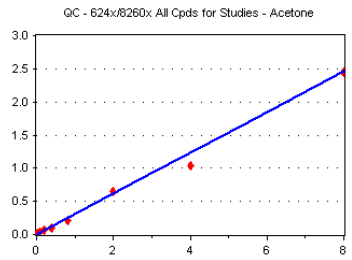


Standard	Concentration	Response	Response Factor	RT
~~0K18062-CAL1~~	~~0.1~~	~~1023~~	~~6.629~~	~~3.71~~
~~0K18062-CAL2~~	~~0.2~~	~~1132~~	~~3.722~~	~~3.72~~
~~0K18062-CAL3~~	~~0.4~~	~~1463~~	~~2.379~~	~~3.72~~
~~0K18062-CAL4~~	~~1~~	~~2295~~	~~1.599~~	~~3.71~~
0K18062-CAL5	2	3571	1.256	3.72
0K18062-CAL6	5	7506	1.044	3.71
0K18062-CAL7	10	13681	0.975	3.72
0K18062-CAL8	20	25454	0.920	3.71
0K18062-CAL9	50	62105	0.878	3.71
0K18062-CALA	100	133106	0.903	3.72
0K18062-CALB	200	271492	0.907	3.72

AVE RF **0.983** RF RSD **13.48** AVE RT **3.72**

Acetone

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
~~0K18062-CAL1~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL2~~	~~0.4~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL3~~	~~0.8~~	~~0~~	~~0.000~~	~~0.00~~
0K18062-CAL4	2	1043	0.363	3.80
0K18062-CAL5	4	2117	0.372	3.82
0K18062-CAL6	10	4663	0.324	3.81
0K18062-CAL7	20	7112	0.253	3.80
0K18062-CAL8	40	14756	0.267	3.79
0K18062-CAL9	100	45486	0.321	3.80
0K18062-CALA	200	76726	0.260	3.80
0K18062-CALB	400	183564	0.307	3.80

AVE RF **0.309** RF RSD **14.80** AVE RT **3.80**

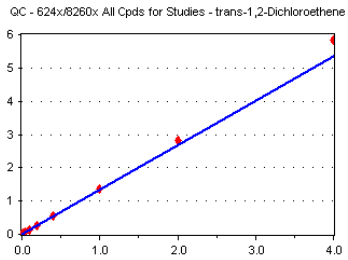
Element Calibration Review Sheet

Calibration ID: **A0K1904** Instrument: **VOA-GCMS6** Calibration Date: **11/19/2020**

Analysis: **QC - 624x/8260x All Cpds fo** Instrument Cal ID: **VF201119G.M/VF201119S.M**

trans-1,2-Dichloroethene

Curve Fit: **AVERAGE RF**

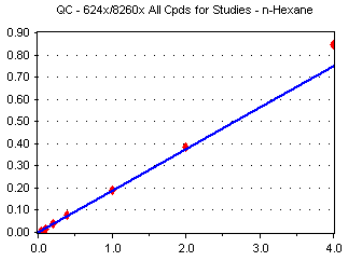


Standard	Concentration	Response	Response Factor	RT
~~0K18062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
0K18062-CAL2	0.2	351	1.154	3.88
0K18062-CAL3	0.4	752	1.223	3.89
0K18062-CAL4	1	1967	1.371	3.87
0K18062-CAL5	2	3772	1.327	3.89
0K18062-CAL6	5	9514	1.323	3.88
0K18062-CAL7	10	19090	1.360	3.88
0K18062-CAL8	20	37713	1.363	3.87
0K18062-CAL9	50	96837	1.369	3.88
0K18062-CALA	100	207514	1.408	3.88
0K18062-CALB	200	436083	1.457	3.88

AVE RF **1.335** RF RSD **6.58** AVE RT **3.88**

n-Hexane

Curve Fit: **AVERAGE RF**

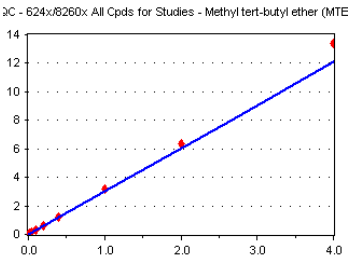


Standard	Concentration	Response	Response Factor	RT
~~0K18062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL3~~	~~0.4~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL4~~	~~1~~	~~142~~	~~9.894~~	~~3.95~~
0K18062-CAL5	2	478	0.168	3.96
0K18062-CAL6	5	1210	0.168	3.96
0K18062-CAL7	10	2632	0.188	3.96
0K18062-CAL8	20	5290	0.191	3.95
0K18062-CAL9	50	13521	0.191	3.96
0K18062-CALA	100	28425	0.193	3.96
0K18062-CALB	200	63421	0.212	3.96

AVE RF **0.187** RF RSD **8.14** AVE RT **3.96**

Methyl tert-butyl ether (MTBE)

Curve Fit: **AVERAGE RF**

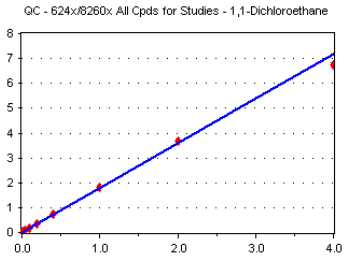


Standard	Concentration	Response	Response Factor	RT
~~0K18062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
0K18062-CAL2	0.2	799	2.627	4.02
0K18062-CAL3	0.4	1756	2.855	4.02
0K18062-CAL4	1	4272	2.977	4.01
0K18062-CAL5	2	8518	2.996	4.02
0K18062-CAL6	5	21125	2.938	4.01
0K18062-CAL7	10	42091	2.999	4.02
0K18062-CAL8	20	85014	3.073	4.01
0K18062-CAL9	50	227524	3.216	4.01
0K18062-CALA	100	465798	3.161	4.01
0K18062-CALB	200	1002181	3.348	4.01

AVE RF **3.019** RF RSD **6.62** AVE RT **4.01**

1,1-Dichloroethane

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
~~0K18062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
0K18062-CAL2	0.2	478	1.572	4.50
0K18062-CAL3	0.4	1090	1.772	4.52
0K18062-CAL4	1	2792	1.945	4.51
0K18062-CAL5	2	5209	1.832	4.51
0K18062-CAL6	5	12847	1.787	4.50
0K18062-CAL7	10	25775	1.837	4.52
0K18062-CAL8	20	51342	1.856	4.51
0K18062-CAL9	50	127265	1.799	4.51
0K18062-CALA	100	271036	1.839	4.51
0K18062-CALB	200	505398	1.688	4.52

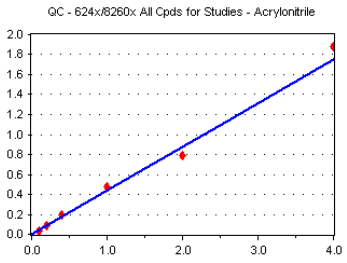
AVE RF **1.793** RF RSD **5.68** AVE RT **4.51**

Element Calibration Review Sheet

Calibration ID: **A0K1904** Instrument: **VOA-GCMS6** Calibration Date: **11/19/2020**

Analysis: **QC - 624x/8260x All Cpds fo** Instrument Cal ID: **VF201119G.M/VF201119S.M**

Acrylonitrile

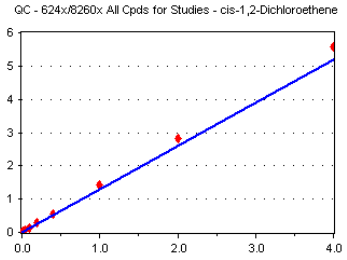


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
~~0K18062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL3~~	~~0.4~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL4~~	~~1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL5~~	~~2~~	~~803~~	~~0.282~~	~~4.60~~
0K18062-CAL6	5	2610	0.363	4.59
0K18062-CAL7	10	6267	0.447	4.59
0K18062-CAL8	20	13119	0.474	4.58
0K18062-CAL9	50	33845	0.478	4.58
0K18062-CALA	100	58141	0.395	4.58
0K18062-CALB	200	140934	0.471	4.58

AVE RF **0.438** RF RSD **11.00** AVE RT **4.58**

cis-1,2-Dichloroethene

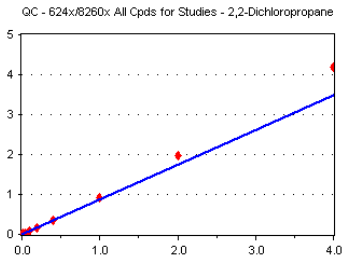


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
~~0K18062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
0K18062-CAL2	0.2	281	0.924	5.08
0K18062-CAL3	0.4	649	1.055	5.08
0K18062-CAL4	1	1867	1.301	5.07
0K18062-CAL5	2	3814	1.341	5.07
0K18062-CAL6	5	9683	1.347	5.06
0K18062-CAL7	10	19629	1.399	5.07
0K18062-CAL8	20	38139	1.379	5.06
0K18062-CAL9	50	99855	1.411	5.06
0K18062-CALA	100	208565	1.415	5.06
0K18062-CALB	200	416968	1.393	5.06

AVE RF **1.297** RF RSD **12.99** AVE RT **5.07**

2,2-Dichloropropane

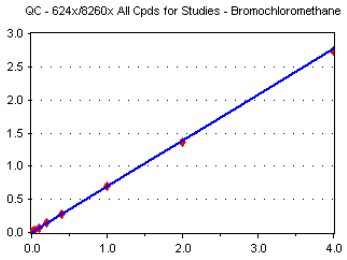


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
~~0K18062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL3~~	~~0.4~~	~~367~~	~~0.597~~	~~5.17~~
0K18062-CAL4	1	1113	0.776	5.16
0K18062-CAL5	2	2157	0.759	5.17
0K18062-CAL6	5	5522	0.768	5.16
0K18062-CAL7	10	11649	0.830	5.17
0K18062-CAL8	20	24093	0.871	5.17
0K18062-CAL9	50	64990	0.918	5.17
0K18062-CALA	100	145096	0.985	5.17
0K18062-CALB	200	312875	1.045	5.17

AVE RF **0.869** RF RSD **12.26** AVE RT **5.17**

Bromochloromethane



Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
~~0K18062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
0K18062-CAL3	0.4	403	0.655	5.28
0K18062-CAL4	1	973	0.678	5.27
0K18062-CAL5	2	2040	0.717	5.27
0K18062-CAL6	5	5132	0.714	5.26
0K18062-CAL7	10	10113	0.721	5.27
0K18062-CAL8	20	19335	0.699	5.26
0K18062-CAL9	50	49698	0.702	5.26
0K18062-CALA	100	100769	0.684	5.26
0K18062-CALB	200	204676	0.684	5.26

AVE RF **0.695** RF RSD **3.10** AVE RT **5.27**

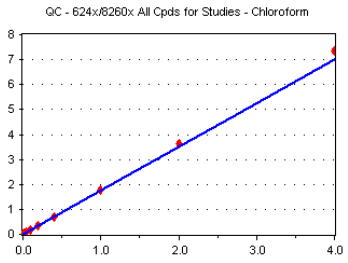
Element Calibration Review Sheet

Calibration ID: **A0K1904** Instrument: **VOA-GCMS6** Calibration Date: **11/19/2020**

Analysis: **QC - 624x/8260x All Cpds fo** Instrument Cal ID: **VF201119G.M/VF201119S.M**

Chloroform

Curve Fit: **AVERAGE RF**

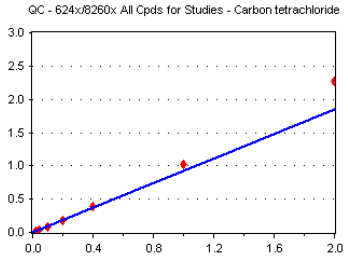


Standard	Concentration	Response	Response Factor	RT
~~0K18062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
0K18062-CAL2	0.2	513	1.687	5.36
0K18062-CAL3	0.4	1004	1.632	5.35
0K18062-CAL4	1	2532	1.764	5.35
0K18062-CAL5	2	5055	1.778	5.35
0K18062-CAL6	5	12227	1.701	5.34
0K18062-CAL7	10	25110	1.789	5.35
0K18062-CAL8	20	49103	1.775	5.34
0K18062-CAL9	50	125687	1.776	5.35
0K18062-CALA	100	266719	1.810	5.35
0K18062-CALB	200	550252	1.838	5.35

AVE RF **1.755** RF RSD **3.56** AVE RT **5.35**

Carbon tetrachloride

Curve Fit: **AVERAGE RF**

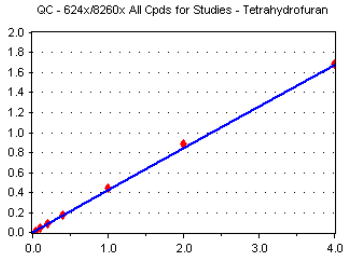


Standard	Concentration	Response	Response Factor	RT
~~0K18062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL3~~	~~0.4~~	~~413~~	~~0.671~~	~~5.48~~
0K18062-CAL4	1	1120	0.780	5.47
0K18062-CAL5	2	2228	0.784	5.48
0K18062-CAL6	5	6132	0.853	5.47
0K18062-CAL7	10	12760	0.909	5.48
0K18062-CAL8	20	26912	0.973	5.48
0K18062-CAL9	50	71948	1.017	5.48
0K18062-CALA	100	167408	1.136	5.48
~~0K18062-CALB~~	~~200~~	~~371319~~	~~1.240~~	~~5.48~~

AVE RF **0.922** RF RSD **14.12** AVE RT **5.48**

Tetrahydrofuran

Curve Fit: **AVERAGE RF**

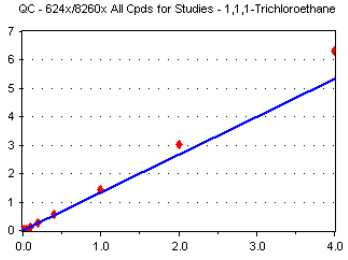


Standard	Concentration	Response	Response Factor	RT
~~0K18062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL3~~	~~0.4~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL4~~	~~1~~	~~391~~	~~0.272~~	~~5.53~~
0K18062-CAL5	2	1039	0.365	5.53
0K18062-CAL6	5	2855	0.397	5.53
0K18062-CAL7	10	5923	0.422	5.52
0K18062-CAL8	20	12253	0.443	5.51
0K18062-CAL9	50	31710	0.448	5.52
0K18062-CALA	100	65563	0.445	5.51
0K18062-CALB	200	126023	0.421	5.52

AVE RF **0.420** RF RSD **7.17** AVE RT **5.52**

1,1,1-Trichloroethane

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
~~0K18062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
0K18062-CAL2	0.2	317	1.042	5.55
0K18062-CAL3	0.4	689	1.120	5.56
0K18062-CAL4	1	1833	1.277	5.54
0K18062-CAL5	2	3610	1.270	5.55
0K18062-CAL6	5	9345	1.300	5.54
0K18062-CAL7	10	19337	1.378	5.54
0K18062-CAL8	20	39360	1.423	5.54
0K18062-CAL9	50	100737	1.424	5.54
0K18062-CALA	100	222275	1.509	5.54
0K18062-CALB	200	472026	1.577	5.54

AVE RF **1.332** RF RSD **12.43** AVE RT **5.55**

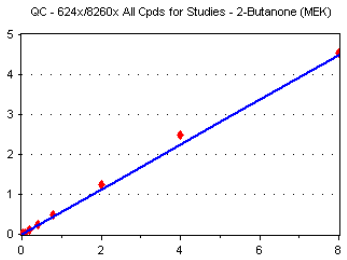
Element Calibration Review Sheet

Calibration ID: **A0K1904** Instrument: **VOA-GCMS6** Calibration Date: **11/19/2020**

Analysis: **QC - 624x/8260x All Cpds fo** Instrument Cal ID: **VF201119G.M/VF201119S.M**

2-Butanone (MEK)

Curve Fit: **AVERAGE RF**

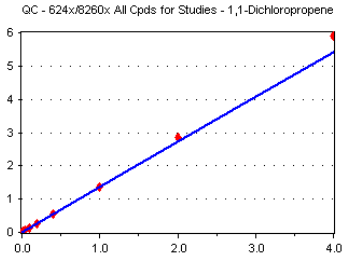


Standard	Concentration	Response	Response Factor	RT
~~0K18062-CAL1~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL2~~	~~0.4~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL3~~	~~0.8~~	~~0~~	~~0.000~~	~~0.00~~
0K18062-CAL4	2	1353	0.471	5.69
0K18062-CAL5	4	2758	0.485	5.69
0K18062-CAL6	10	7390	0.514	5.68
0K18062-CAL7	20	17004	0.606	5.67
0K18062-CAL8	40	33719	0.610	5.67
0K18062-CAL9	100	87478	0.618	5.67
0K18062-CALA	200	182941	0.621	5.67
0K18062-CALB	400	339543	0.567	5.67

AVE RF **0.561** RF RSD **11.12** AVE RT **5.67**

1,1-Dichloropropene

Curve Fit: **AVERAGE RF**

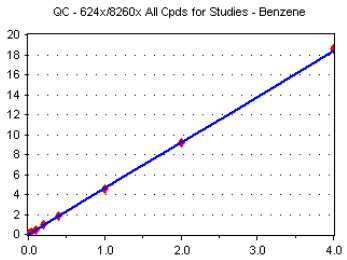


Standard	Concentration	Response	Response Factor	RT
~~0K18062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
0K18062-CAL3	0.4	742	1.206	5.68
0K18062-CAL4	1	1895	1.320	5.67
0K18062-CAL5	2	3749	1.319	5.68
0K18062-CAL6	5	9464	1.316	5.67
0K18062-CAL7	10	19258	1.372	5.68
0K18062-CAL8	20	38693	1.399	5.67
0K18062-CAL9	50	96786	1.368	5.67
0K18062-CALA	100	210684	1.430	5.68
0K18062-CALB	200	442079	1.477	5.67

AVE RF **1.356** RF RSD **5.76** AVE RT **5.68**

Benzene

Curve Fit: **AVERAGE RF**

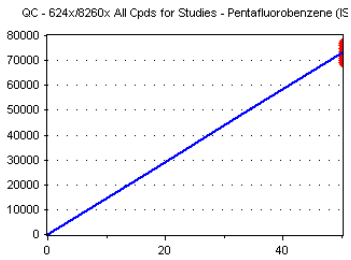


Standard	Concentration	Response	Response Factor	RT
0K18062-CAL1	0.1	693	4.491	5.94
0K18062-CAL2	0.2	1405	4.620	5.93
0K18062-CAL3	0.4	2630	4.276	5.93
0K18062-CAL4	1	6864	4.783	5.93
0K18062-CAL5	2	13448	4.730	5.93
0K18062-CAL6	5	33106	4.605	5.93
0K18062-CAL7	10	65847	4.692	5.93
0K18062-CAL8	20	128160	4.633	5.93
0K18062-CAL9	50	320261	4.526	5.93
0K18062-CALA	100	675364	4.583	5.93
0K18062-CALB	200	1390229	4.644	5.93

AVE RF **4.598** RF RSD **2.96** AVE RT **5.93**

Pentafluorobenzene (ISTD)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0K18062-CAL1	50	77158	1543.160	6.02
0K18062-CAL2	50	76032	1520.640	6.02
0K18062-CAL3	50	76882	1537.640	6.02
0K18062-CAL4	50	71760	1435.200	6.02
0K18062-CAL5	50	71083	1421.660	6.02
0K18062-CAL6	50	71892	1437.840	6.02
0K18062-CAL7	50	70167	1403.340	6.02
0K18062-CAL8	50	69152	1383.040	6.02
0K18062-CAL9	50	70758	1415.160	6.02
0K18062-CALA	50	73674	1473.480	6.02
0K18062-CALB	50	74842	1496.840	6.02

AVE RF **1460.727** RF RSD **3.86** AVE RT **6.02**

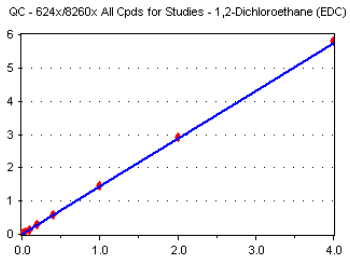
Element Calibration Review Sheet

Calibration ID: **A0K1904** Instrument: **VOA-GCMS6** Calibration Date: **11/19/2020**

Analysis: **QC - 624x/8260x All Cpds fo** Instrument Cal ID: **VF201119G.M/VF201119S.M**

1,2-Dichloroethane (EDC)

Curve Fit: **AVERAGE RF**

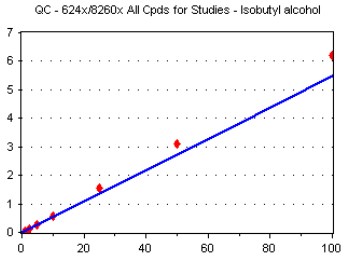


Standard	Concentration	Response	Response Factor	RT
~~0K18062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
0K18062-CAL3	0.4	777	1.263	6.15
0K18062-CAL4	1	2070	1.442	6.14
0K18062-CAL5	2	4276	1.504	6.15
0K18062-CAL6	5	10219	1.421	6.15
0K18062-CAL7	10	20415	1.455	6.15
0K18062-CAL8	20	40368	1.459	6.14
0K18062-CAL9	50	104207	1.473	6.15
0K18062-CALA	100	214732	1.457	6.15
0K18062-CALB	200	435304	1.454	6.15

AVE RF **1.437** RF RSD **4.78** AVE RT **6.15**

Isobutyl alcohol

Curve Fit: **AVERAGE RF**

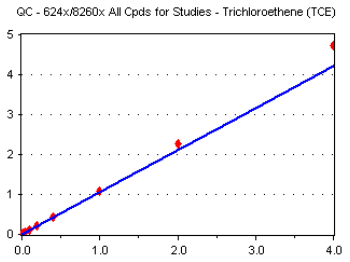


Standard	Concentration	Response	Response Factor	RT
~~0K18062-CAL1~~	~~2.5~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL2~~	~~5~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL3~~	~~10~~	~~387~~	~~2.517~~	~~6.24~~
~~0K18062-CAL4~~	~~25~~	~~1480~~	~~4.125~~	~~6.20~~
0K18062-CAL5	50	3125	4.396	6.23
0K18062-CAL6	125	8339	4.640	6.23
0K18062-CAL7	250	17656	5.033	6.21
0K18062-CAL8	500	38918	5.628	6.22
0K18062-CAL9	1250	109408	6.185	6.23
0K18062-CALA	2500	228123	6.193	6.21
0K18062-CALB	5000	464752	6.210	6.23

AVE RF **5.469** RF RSD **14.24** AVE RT **6.22**

Trichloroethene (TCE)

Curve Fit: **AVERAGE RF**

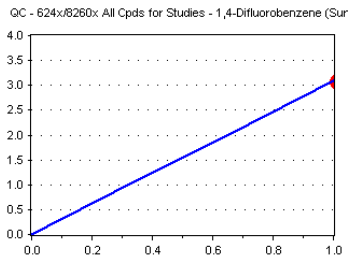


Standard	Concentration	Response	Response Factor	RT
~~0K18062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
0K18062-CAL2	0.2	295	0.970	6.55
0K18062-CAL3	0.4	535	0.870	6.56
0K18062-CAL4	1	1493	1.040	6.54
0K18062-CAL5	2	2979	1.048	6.55
0K18062-CAL6	5	7443	1.035	6.55
0K18062-CAL7	10	15404	1.098	6.55
0K18062-CAL8	20	30393	1.099	6.55
0K18062-CAL9	50	76409	1.080	6.55
0K18062-CALA	100	166872	1.133	6.55
0K18062-CALB	200	354848	1.185	6.55

AVE RF **1.056** RF RSD **8.32** AVE RT **6.55**

1,4-Difluorobenzene (Surr)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0K18062-CAL1	50	240769	3.120	6.58
0K18062-CAL2	50	236428	3.110	6.58
0K18062-CAL3	50	237778	3.093	6.58
0K18062-CAL4	50	223356	3.113	6.58
0K18062-CAL5	50	218040	3.067	6.59
0K18062-CAL6	50	217863	3.030	6.58
0K18062-CAL7	50	216832	3.090	6.58
0K18062-CAL8	50	212389	3.071	6.58
0K18062-CAL9	50	218582	3.089	6.58
0K18062-CALA	50	225226	3.057	6.58
0K18062-CALB	50	232298	3.104	6.58

AVE RF **3.086** RF RSD **0.88** AVE RT **6.58**

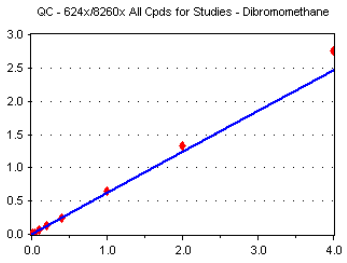
Element Calibration Review Sheet

Calibration ID: **A0K1904** Instrument: **VOA-GCMS6** Calibration Date: **11/19/2020**

Analysis: **QC - 624x/8260x All Cpds fo** Instrument Cal ID: **VF201119G.M/VF201119S.M**

Dibromomethane

Curve Fit: **AVERAGE RF**

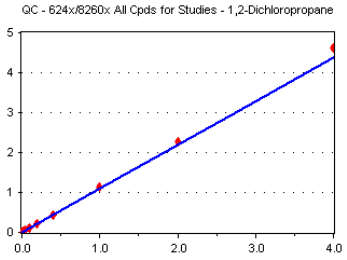


Standard	Concentration	Response	Response Factor	RT
~~0K18062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL3~~	~~0.4~~	~~231~~	~~0.376~~	~~7.02~~
0K18062-CAL4	1	784	0.546	7.00
0K18062-CAL5	2	1641	0.577	7.00
0K18062-CAL6	5	4145	0.577	7.00
0K18062-CAL7	10	8640	0.616	7.00
0K18062-CAL8	20	17151	0.620	7.00
0K18062-CAL9	50	46102	0.652	7.00
0K18062-CALA	100	98019	0.665	7.00
0K18062-CALB	200	206460	0.690	7.00

AVE RF **0.618** RF RSD **7.98** AVE RT **7.00**

1,2-Dichloropropane

Curve Fit: **AVERAGE RF**

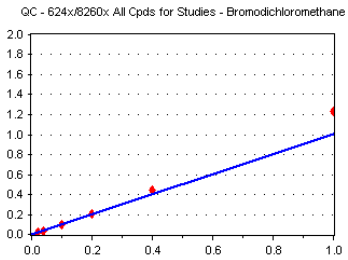


Standard	Concentration	Response	Response Factor	RT
~~0K18062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
0K18062-CAL3	0.4	555	0.902	7.11
0K18062-CAL4	1	1591	1.109	7.11
0K18062-CAL5	2	3078	1.083	7.11
0K18062-CAL6	5	7858	1.093	7.11
0K18062-CAL7	10	15874	1.131	7.11
0K18062-CAL8	20	30689	1.109	7.10
0K18062-CAL9	50	80324	1.135	7.10
0K18062-CALA	100	167903	1.140	7.10
0K18062-CALB	200	345310	1.153	7.10

AVE RF **1.095** RF RSD **6.92** AVE RT **7.10**

Bromodichloromethane

Curve Fit: **AVERAGE RF**

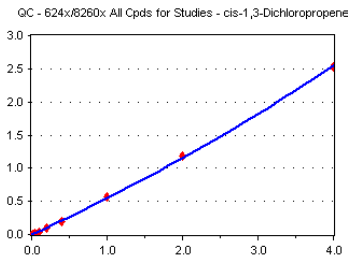


Standard	Concentration	Response	Response Factor	RT
~~0K18062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL3~~	~~0.4~~	~~451~~	~~0.733~~	~~7.19~~
0K18062-CAL4	1	1211	0.844	7.19
0K18062-CAL5	2	2653	0.933	7.18
0K18062-CAL6	5	6670	0.928	7.18
0K18062-CAL7	10	14414	1.027	7.19
0K18062-CAL8	20	30371	1.098	7.18
0K18062-CAL9	50	86862	1.228	7.18
~~0K18062-CALA~~	~~100~~	~~191990~~	~~1.303~~	~~7.18~~
~~0K18062-CALB~~	~~200~~	~~414440~~	~~1.384~~	~~7.18~~

AVE RF **1.010** RF RSD **13.70** AVE RT **7.18**

cis-1,3-Dichloropropene

Curve Fit: **QUADRATIC: Weighting: (1/a), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
~~0K18062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
0K18062-CAL3	0.4	456	0.273	7.89
0K18062-CAL4	1	1397	0.357	7.88
0K18062-CAL5	2	2854	0.371	7.89
0K18062-CAL6	5	7840	0.404	7.88
0K18062-CAL7	10	17724	0.464	7.88
0K18062-CAL8	20	38461	0.505	7.88
0K18062-CAL9	50	111434	0.561	7.88
0K18062-CALA	100	246031	0.593	7.88
0K18062-CALB	200	531463	0.631	7.88

AVE RF **0.462** RF RSD **26.06** AVE RT **7.88**

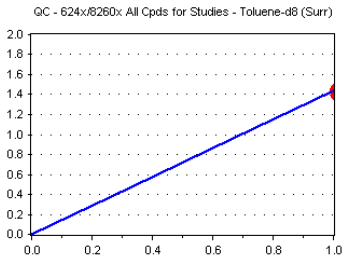
Element Calibration Review Sheet

Calibration ID: **A0K1904** Instrument: **VOA-GCMS6** Calibration Date: **11/19/2020**

Analysis: **QC - 624x/8260x All Cpds fo** Instrument Cal ID: **VF201119G.M/VF201119S.M**

Toluene-d8 (Surr)

Curve Fit: **AVERAGE RF**

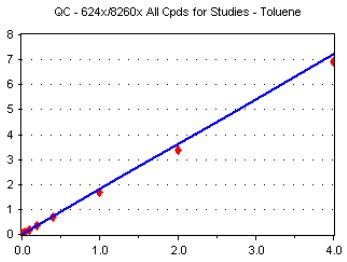


Standard	Concentration	Response	Response Factor	RT
0K18062-CAL1	50	309383	1.456	8.09
0K18062-CAL2	50	303923	1.450	8.09
0K18062-CAL3	50	303847	1.454	8.09
0K18062-CAL4	50	284112	1.451	8.08
0K18062-CAL5	50	279194	1.450	8.09
0K18062-CAL6	50	278590	1.435	8.09
0K18062-CAL7	50	276445	1.447	8.09
0K18062-CAL8	50	271584	1.425	8.09
0K18062-CAL9	50	282041	1.419	8.09
0K18062-CALA	50	288736	1.391	8.09
0K18062-CALB	50	297673	1.414	8.09

AVE RF **1.436** RF RSD **1.46** AVE RT **8.09**

Toluene

Curve Fit: **AVERAGE RF**

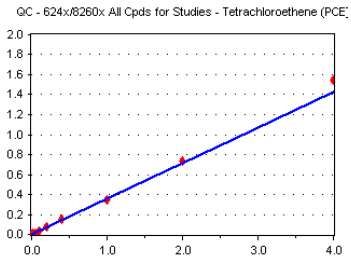


Standard	Concentration	Response	Response Factor	RT
0K18062-CAL1	0.1	937	2.205	8.15
0K18062-CAL2	0.2	1602	1.910	8.15
0K18062-CAL3	0.4	3088	1.847	8.15
0K18062-CAL4	1	7133	1.822	8.14
0K18062-CAL5	2	13595	1.765	8.15
0K18062-CAL6	5	34200	1.761	8.14
0K18062-CAL7	10	66875	1.750	8.15
0K18062-CAL8	20	132554	1.739	8.14
0K18062-CAL9	50	331469	1.668	8.14
0K18062-CALA	100	702637	1.692	8.14
0K18062-CALB	200	1452821	1.726	8.14

AVE RF **1.808** RF RSD **8.24** AVE RT **8.14**

Tetrachloroethene (PCE)

Curve Fit: **AVERAGE RF**

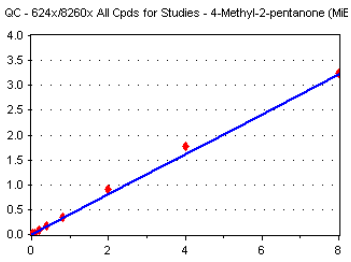


Standard	Concentration	Response	Response Factor	RT
~~0K18062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL2~~	~~0.2~~	~~162~~	~~0.193~~	~~8.60~~
0K18062-CAL3	0.4	519	0.310	8.60
0K18062-CAL4	1	1325	0.338	8.60
0K18062-CAL5	2	2844	0.369	8.60
0K18062-CAL6	5	7070	0.364	8.59
0K18062-CAL7	10	13764	0.360	8.59
0K18062-CAL8	20	27983	0.367	8.59
0K18062-CAL9	50	68570	0.345	8.59
0K18062-CALA	100	152088	0.366	8.59
0K18062-CALB	200	325389	0.386	8.59

AVE RF **0.356** RF RSD **6.21** AVE RT **8.59**

4-Methyl-2-pentanone (MiBK)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
~~0K18062-CAL1~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL2~~	~~0.4~~	~~0~~	~~0.000~~	~~0.00~~
0K18062-CAL3	0.8	1032	0.309	8.60
0K18062-CAL4	2	2927	0.374	8.60
0K18062-CAL5	4	5832	0.379	8.60
0K18062-CAL6	10	15199	0.391	8.59
0K18062-CAL7	20	32519	0.425	8.60
0K18062-CAL8	40	67256	0.441	8.59
0K18062-CAL9	100	179119	0.451	8.59
0K18062-CALA	200	366059	0.441	8.59
0K18062-CALB	400	682968	0.406	8.59

AVE RF **0.402** RF RSD **11.18** AVE RT **8.59**

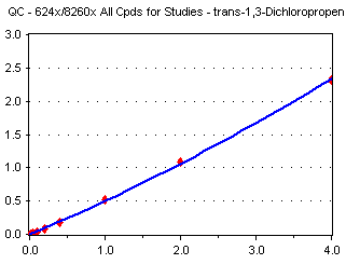
Element Calibration Review Sheet

Calibration ID: **A0K1904** Instrument: **VOA-GCMS6** Calibration Date: **11/19/2020**

Analysis: **QC - 624x/8260x All Cpds fo** Instrument Cal ID: **VF201119G.M/VF201119S.M**

trans-1,3-Dichloropropene

Curve Fit: **QUADRATIC: Weighting: (1/a), Origin: Ignore**

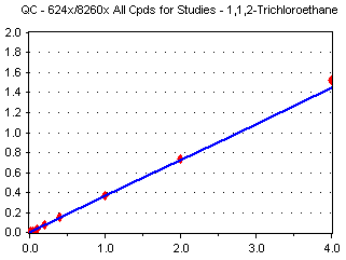


Standard	Concentration	Response	Response Factor	RT
~~0K18062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL3~~	~~0.4~~	~~0~~	~~0.000~~	~~0.00~~
0K18062-CAL4	1	999	0.255	8.64
0K18062-CAL5	2	2216	0.288	8.65
0K18062-CAL6	5	6596	0.340	8.64
0K18062-CAL7	10	14930	0.391	8.64
0K18062-CAL8	20	34568	0.454	8.63
0K18062-CAL9	50	101667	0.512	8.63
0K18062-CALA	100	226179	0.545	8.63
0K18062-CALB	200	487888	0.579	8.63

AVE RF **0.420** RF RSD **28.78** AVE RT **8.64**

1,1,2-Trichloroethane

Curve Fit: **AVERAGE RF**

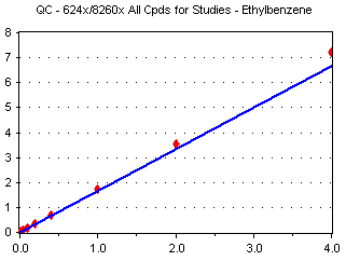


Standard	Concentration	Response	Response Factor	RT
~~0K18062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
0K18062-CAL3	0.4	523	0.313	8.81
0K18062-CAL4	1	1397	0.357	8.81
0K18062-CAL5	2	2867	0.372	8.81
0K18062-CAL6	5	6888	0.355	8.81
0K18062-CAL7	10	14181	0.371	8.82
0K18062-CAL8	20	28490	0.374	8.81
0K18062-CAL9	50	74040	0.373	8.81
0K18062-CALA	100	153715	0.370	8.81
0K18062-CALB	200	319965	0.380	8.81

AVE RF **0.363** RF RSD **5.62** AVE RT **8.81**

Ethylbenzene

Curve Fit: **AVERAGE RF**

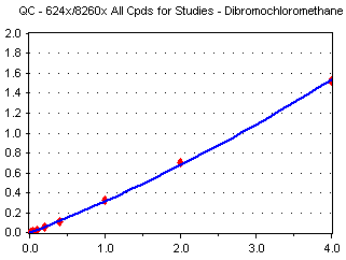


Standard	Concentration	Response	Response Factor	RT
0K18062-CAL1	0.1	585	1.377	0.00
0K18062-CAL2	0.2	1186	1.414	9.79
0K18062-CAL3	0.4	2537	1.518	9.78
0K18062-CAL4	1	6748	1.724	9.79
0K18062-CAL5	2	13427	1.744	9.78
0K18062-CAL6	5	33358	1.718	9.78
0K18062-CAL7	10	67463	1.765	9.78
0K18062-CAL8	20	134826	1.769	9.78
0K18062-CAL9	50	342923	1.725	9.78
0K18062-CALA	100	733179	1.766	9.78
0K18062-CALB	200	1516093	1.801	9.78

AVE RF **1.665** RF RSD **9.17** AVE RT **8.89**

Dibromochloromethane

Curve Fit: **QUADRATIC: Weighting: (1/a), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
~~0K18062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
0K18062-CAL3	0.4	217	0.130	9.01
0K18062-CAL4	1	729	0.186	9.00
0K18062-CAL5	2	1583	0.206	9.01
0K18062-CAL6	5	4359	0.224	9.00
0K18062-CAL7	10	9855	0.258	9.00
0K18062-CAL8	20	21292	0.279	9.00
0K18062-CAL9	50	64560	0.325	9.00
0K18062-CALA	100	145478	0.350	9.00
0K18062-CALB	200	320426	0.381	9.00

AVE RF **0.260** RF RSD **31.59** AVE RT **9.00**

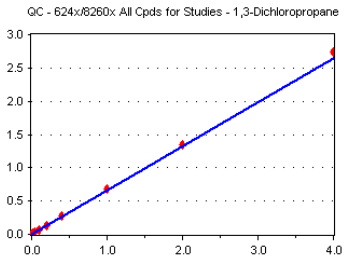
Element Calibration Review Sheet

Calibration ID: **A0K1904** Instrument: **VOA-GCMS6** Calibration Date: **11/19/2020**

Analysis: **QC - 624x/8260x All Cpds fo** Instrument Cal ID: **VF201119G.M/VF201119S.M**

1,3-Dichloropropane

Curve Fit: **AVERAGE RF**

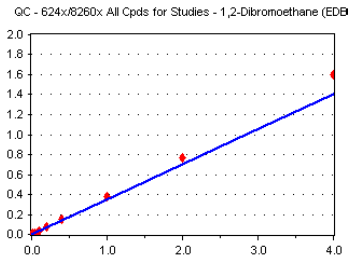


Standard	Concentration	Response	Response Factor	RT
~~0K18062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
0K18062-CAL2	0.2	545	0.650	9.11
0K18062-CAL3	0.4	985	0.589	9.11
0K18062-CAL4	1	2517	0.643	9.10
0K18062-CAL5	2	5021	0.652	9.10
0K18062-CAL6	5	12650	0.651	9.10
0K18062-CAL7	10	26263	0.687	9.10
0K18062-CAL8	20	52245	0.685	9.10
0K18062-CAL9	50	135619	0.682	9.10
0K18062-CALA	100	280859	0.676	9.10
0K18062-CALB	200	576443	0.685	9.10

AVE RF **0.660** RF RSD **4.60** AVE RT **9.10**

1,2-Dibromoethane (EDB)

Curve Fit: **AVERAGE RF**

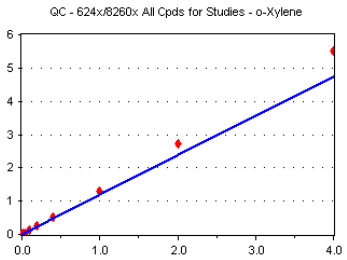


Standard	Concentration	Response	Response Factor	RT
~~0K18062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL3~~	~~0.4~~	~~346~~	~~0.207~~	~~9.25~~
0K18062-CAL4	1	1161	0.297	9.25
0K18062-CAL5	2	2385	0.310	9.25
0K18062-CAL6	5	6279	0.323	9.24
0K18062-CAL7	10	13626	0.357	9.24
0K18062-CAL8	20	27857	0.365	9.24
0K18062-CAL9	50	75650	0.381	9.24
0K18062-CALA	100	160072	0.386	9.24
0K18062-CALB	200	336119	0.399	9.24

AVE RF **0.352** RF RSD **10.77** AVE RT **9.24**

o-Xylene

Curve Fit: **AVERAGE RF**

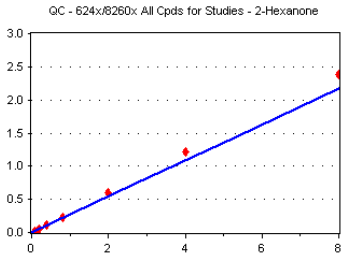


Standard	Concentration	Response	Response Factor	RT
0K18062-CAL1	0.1	362	0.852	0.00
0K18062-CAL2	0.2	847	1.010	10.31
0K18062-CAL3	0.4	1764	1.055	10.31
0K18062-CAL4	1	4455	1.138	10.30
0K18062-CAL5	2	9087	1.180	10.30
0K18062-CAL6	5	23413	1.206	10.30
0K18062-CAL7	10	49030	1.283	10.30
0K18062-CAL8	20	99147	1.301	10.30
0K18062-CAL9	50	258736	1.302	10.30
0K18062-CALA	100	563131	1.356	10.30
0K18062-CALB	200	1158422	1.376	10.30

AVE RF **1.187** RF RSD **13.67** AVE RT **9.36**

2-Hexanone

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
~~0K18062-CAL1~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL2~~	~~0.4~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL3~~	~~0.8~~	~~341~~	~~0.102~~	~~9.50~~
~~0K18062-CAL4~~	~~2~~	~~1554~~	~~0.198~~	~~9.49~~
0K18062-CAL5	4	3243	0.211	9.49
0K18062-CAL6	10	8859	0.228	9.48
0K18062-CAL7	20	20720	0.271	9.48
0K18062-CAL8	40	44118	0.289	9.47
0K18062-CAL9	100	119430	0.300	9.47
0K18062-CALA	200	254094	0.306	9.47
0K18062-CALB	400	500391	0.297	9.47

AVE RF **0.272** RF RSD **13.93** AVE RT **9.48**

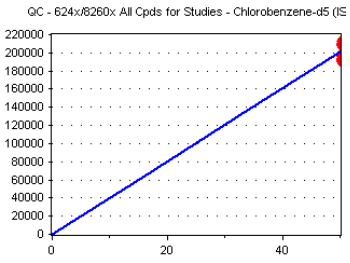
Element Calibration Review Sheet

Calibration ID: **A0K1904** Instrument: **VOA-GCMS6** Calibration Date: **11/19/2020**

Analysis: **QC - 624x/8260x All Cpds fo** Instrument Cal ID: **VF201119G.M/VF201119S.M**

Chlorobenzene-d5 (ISTD)

Curve Fit: **AVERAGE RF**

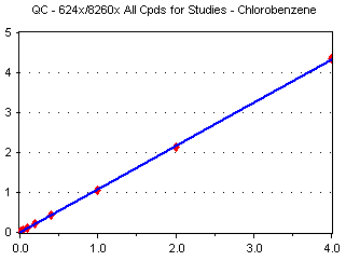


Standard	Concentration	Response	Response Factor	RT
0K18062-CAL1	50	212427	4248.540	9.74
0K18062-CAL2	50	209658	4193.160	9.74
0K18062-CAL3	50	208976	4179.520	9.74
0K18062-CAL4	50	195748	3914.960	9.74
0K18062-CAL5	50	192510	3850.200	9.74
0K18062-CAL6	50	194196	3883.920	9.74
0K18062-CAL7	50	191092	3821.840	9.74
0K18062-CAL8	50	190541	3810.820	9.74
0K18062-CAL9	50	198760	3975.200	9.74
0K18062-CALA	50	207591	4151.820	9.74
0K18062-CALB	50	210488	4209.760	9.74

AVE RF **4021.795** RF RSD **4.34** AVE RT **9.74**

Chlorobenzene

Curve Fit: **AVERAGE RF**

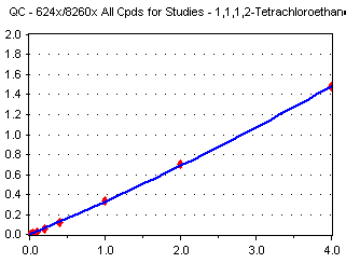


Standard	Concentration	Response	Response Factor	RT
0K18062-CAL1	0.1	435	1.024	9.75
0K18062-CAL2	0.2	951	1.134	9.75
0K18062-CAL3	0.4	1852	1.108	9.75
0K18062-CAL4	1	4328	1.106	9.76
0K18062-CAL5	2	8636	1.122	9.75
0K18062-CAL6	5	20627	1.062	9.75
0K18062-CAL7	10	41217	1.078	9.75
0K18062-CAL8	20	81288	1.067	9.75
0K18062-CAL9	50	208768	1.050	9.75
0K18062-CALA	100	445149	1.072	9.75
0K18062-CALB	200	916928	1.089	9.75

AVE RF **1.083** RF RSD **3.01** AVE RT **9.75**

1,1,1,2-Tetrachloroethane

Curve Fit: **QUADRATIC: Weighting: (1/a), Origin: Ignore**

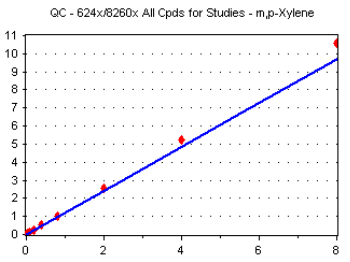


Standard	Concentration	Response	Response Factor	RT
~~0K18062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
0K18062-CAL3	0.4	306	0.183	9.83
0K18062-CAL4	1	970	0.248	9.82
0K18062-CAL5	2	1984	0.258	9.81
0K18062-CAL6	5	5071	0.261	9.82
0K18062-CAL7	10	10995	0.288	9.81
0K18062-CAL8	20	23556	0.309	9.82
0K18062-CAL9	50	66693	0.336	9.82
0K18062-CALA	100	145309	0.350	9.82
0K18062-CALB	200	311205	0.370	9.82

AVE RF **0.289** RF RSD **20.28** AVE RT **9.82**

m,p-Xylene

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0K18062-CAL1	0.2	861	1.013	9.92
0K18062-CAL2	0.4	1907	1.137	9.92
0K18062-CAL3	0.8	3490	1.044	9.92
0K18062-CAL4	2	9478	1.210	9.92
0K18062-CAL5	4	18646	1.211	9.92
0K18062-CAL6	10	48405	1.246	9.92
0K18062-CAL7	20	98854	1.293	9.92
0K18062-CAL8	40	198165	1.300	9.92
0K18062-CAL9	100	507696	1.277	9.92
0K18062-CALA	200	1088905	1.311	9.92
0K18062-CALB	400	2227333	1.323	9.92

AVE RF **1.215** RF RSD **8.83** AVE RT **9.92**

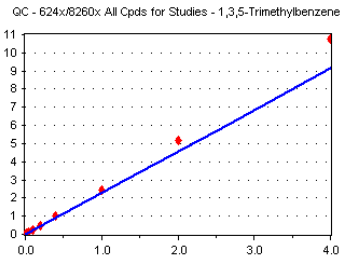
Element Calibration Review Sheet

Calibration ID: **A0K1904** Instrument: **VOA-GCMS6** Calibration Date: **11/19/2020**

Analysis: **QC - 624x/8260x All Cpds fo** Instrument Cal ID: **VF201119G.M/VF201119S.M**

1,3,5-Trimethylbenzene

Curve Fit: **AVERAGE RF**

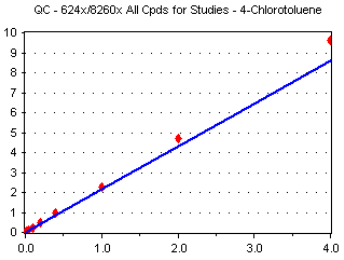


Standard	Concentration	Response	Response Factor	RT
0K18062-CAL1	0.1	324	1.753	0.00
0K18062-CAL2	0.2	735	1.993	11.07
0K18062-CAL3	0.4	1451	1.998	11.07
0K18062-CAL4	1	3693	2.104	11.08
0K18062-CAL5	2	7883	2.296	11.07
0K18062-CAL6	5	20107	2.273	11.07
0K18062-CAL7	10	43073	2.463	11.07
0K18062-CAL8	20	88872	2.522	11.07
0K18062-CAL9	50	228986	2.454	11.07
0K18062-CALA	100	497249	2.592	11.07
0K18062-CALB	200	1015537	2.684	11.07

AVE RF **2.285** RF RSD **12.79** AVE RT **10.07**

4-Chlorotoluene

Curve Fit: **AVERAGE RF**

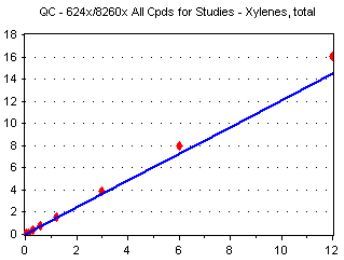


Standard	Concentration	Response	Response Factor	RT
0K18062-CAL1	0.1	290	1.569	0.00
0K18062-CAL2	0.2	612	1.660	11.19
0K18062-CAL3	0.4	1411	1.943	11.18
0K18062-CAL4	1	3808	2.169	11.18
0K18062-CAL5	2	7656	2.230	11.18
0K18062-CAL6	5	19711	2.228	11.18
0K18062-CAL7	10	41003	2.345	11.18
0K18062-CAL8	20	84787	2.406	11.18
0K18062-CAL9	50	214235	2.296	11.18
0K18062-CALA	100	453696	2.365	11.18
0K18062-CALB	200	909702	2.404	11.18

AVE RF **2.147** RF RSD **13.73** AVE RT **10.16**

Xylenes, total

Curve Fit: **AVERAGE RF**

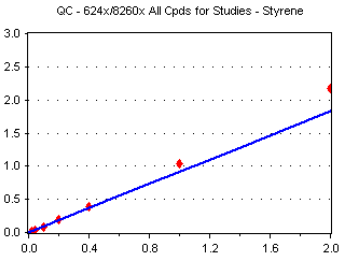


Standard	Concentration	Response	Response Factor	RT
0K18062-CAL1	0.3	1223	0.960	9.92
0K18062-CAL2	0.6	2754	1.095	10.31
0K18062-CAL3	1.2	5254	1.048	10.31
0K18062-CAL4	3	13933	1.186	10.30
0K18062-CAL5	6	27733	1.200	10.30
0K18062-CAL6	15	71818	1.233	10.30
0K18062-CAL7	30	147884	1.290	10.30
0K18062-CAL8	60	297312	1.300	10.30
0K18062-CAL9	150	766432	1.285	10.30
0K18062-CALA	300	1652036	1.326	10.30
0K18062-CALB	600	3385755	1.340	10.30

AVE RF **1.206** RF RSD **10.30** AVE RT **10.27**

Styrene

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
~~0K18062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL2~~	~~0.2~~	~~448~~	~~0.534~~	~~10.37~~
~~0K18062-CAL3~~	~~0.4~~	~~981~~	~~0.587~~	~~10.36~~
0K18062-CAL4	1	2828	0.722	10.36
0K18062-CAL5	2	5953	0.773	10.35
0K18062-CAL6	5	16959	0.873	10.35
0K18062-CAL7	10	36006	0.942	10.35
0K18062-CAL8	20	74971	0.984	10.35
0K18062-CAL9	50	207212	1.043	10.35
0K18062-CALA	100	451210	1.087	10.35
~~0K18062-CALB~~	~~200~~	~~935702~~	~~1.111~~	~~10.35~~

AVE RF **0.918** RF RSD **14.77** AVE RT **10.35**

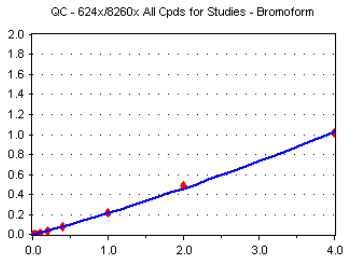
Element Calibration Review Sheet

Calibration ID: **A0K1904** Instrument: **VOA-GCMS6** Calibration Date: **11/19/2020**

Analysis: **QC - 624x/8260x All Cpds fo** Instrument Cal ID: **VF201119G.M/VF201119S.M**

Bromoform

Curve Fit: **QUADRATIC: Weighting: (1/a), Origin: Ignore**

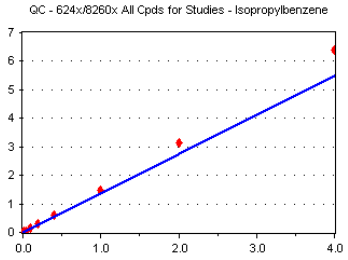


Standard	Concentration	Response	Response Factor	RT
~~0K18062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL3~~	~~0.4~~	~~0~~	~~0.000~~	~~0.00~~
0K18062-CAL4	1	507	0.130	10.38
0K18062-CAL5	2	1019	0.132	10.37
0K18062-CAL6	5	2653	0.137	10.37
0K18062-CAL7	10	5925	0.155	10.37
0K18062-CAL8	20	13884	0.182	10.37
0K18062-CAL9	50	43395	0.218	10.37
0K18062-CALA	100	100985	0.243	10.37
0K18062-CALB	200	213718	0.254	10.37

AVE RF **0.181** RF RSD **28.14** AVE RT **10.37**

Isopropylbenzene

Curve Fit: **AVERAGE RF**

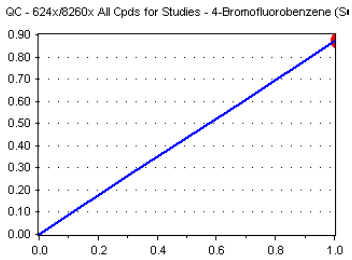


Standard	Concentration	Response	Response Factor	RT
~~0K18062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
0K18062-CAL2	0.2	927	1.105	10.58
0K18062-CAL3	0.4	1775	1.062	10.57
0K18062-CAL4	1	4934	1.260	10.57
0K18062-CAL5	2	10034	1.303	10.57
0K18062-CAL6	5	27032	1.392	10.57
0K18062-CAL7	10	56235	1.471	10.57
0K18062-CAL8	20	114383	1.501	10.57
0K18062-CAL9	50	294644	1.482	10.57
0K18062-CALA	100	650944	1.568	10.57
0K18062-CALB	200	1349789	1.603	10.57

AVE RF **1.375** RF RSD **13.62** AVE RT **10.57**

4-Bromofluorobenzene (Surr)

Curve Fit: **AVERAGE RF**

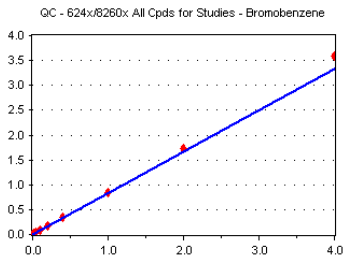


Standard	Concentration	Response	Response Factor	RT
0K18062-CAL1	50	80532	0.871	10.81
0K18062-CAL2	50	79731	0.865	10.81
0K18062-CAL3	50	80354	0.885	10.81
0K18062-CAL4	50	77029	0.878	10.81
0K18062-CAL5	50	75454	0.879	10.81
0K18062-CAL6	50	76960	0.870	10.81
0K18062-CAL7	50	75647	0.865	10.81
0K18062-CAL8	50	76417	0.867	10.81
0K18062-CAL9	50	80402	0.862	10.81
0K18062-CALA	50	82408	0.859	10.81
0K18062-CALB	50	82106	0.868	10.81

AVE RF **0.870** RF RSD **0.90** AVE RT **10.81**

Bromobenzene

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
~~0K18062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
0K18062-CAL2	0.2	232	0.629	10.90
0K18062-CAL3	0.4	570	0.785	10.90
0K18062-CAL4	1	1499	0.854	10.90
0K18062-CAL5	2	2974	0.866	10.90
0K18062-CAL6	5	7519	0.850	10.90
0K18062-CAL7	10	15392	0.880	10.90
0K18062-CAL8	20	30769	0.873	10.90
0K18062-CAL9	50	79108	0.848	10.90
0K18062-CALA	100	166055	0.866	10.90
0K18062-CALB	200	340501	0.900	10.90

AVE RF **0.835** RF RSD **9.38** AVE RT **10.90**

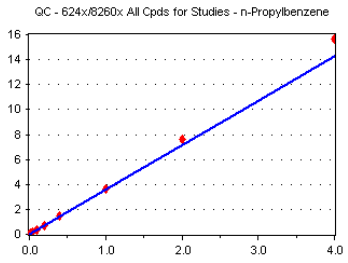
Element Calibration Review Sheet

Calibration ID: **A0K1904** Instrument: **VOA-GCMS6** Calibration Date: **11/19/2020**

Analysis: **QC - 624x/8260x All Cpds fo** Instrument Cal ID: **VF201119G.M/VF201119S.M**

n-Propylbenzene

Curve Fit: **AVERAGE RF**

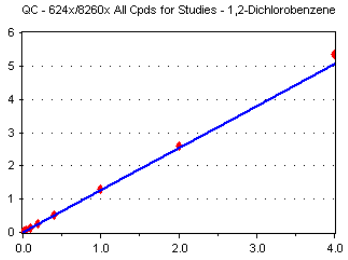


Standard	Concentration	Response	Response Factor	RT
~~0K18062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
0K18062-CAL2	0.2	1169	3.170	10.93
0K18062-CAL3	0.4	2303	3.171	10.92
0K18062-CAL4	1	5956	3.393	10.92
0K18062-CAL5	2	12939	3.769	10.92
0K18062-CAL6	5	31048	3.510	10.91
0K18062-CAL7	10	63785	3.648	10.91
0K18062-CAL8	20	131803	3.740	10.91
0K18062-CAL9	50	336256	3.603	10.91
0K18062-CALA	100	727397	3.791	10.91
0K18062-CALB	200	1482115	3.917	10.91

AVE RF **3.571** RF RSD **7.22** AVE RT **10.92**

1,2-Dichlorobenzene

Curve Fit: **AVERAGE RF**

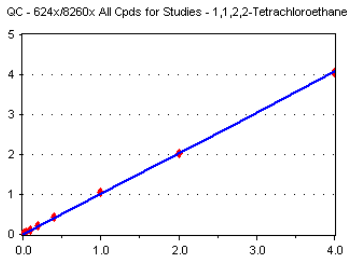


Standard	Concentration	Response	Response Factor	RT
0K18062-CAL1	0.1	178	0.963	0.00
0K18062-CAL2	0.2	396	1.074	12.03
0K18062-CAL3	0.4	895	1.232	12.03
0K18062-CAL4	1	2173	1.238	12.02
0K18062-CAL5	2	5274	1.536	12.02
0K18062-CAL6	5	11449	1.294	12.02
0K18062-CAL7	10	22996	1.315	12.02
0K18062-CAL8	20	46891	1.331	12.02
0K18062-CAL9	50	119989	1.286	12.02
0K18062-CALA	100	249575	1.301	12.02
0K18062-CALB	200	507628	1.342	12.02

AVE RF **1.265** RF RSD **11.68** AVE RT **10.93**

1,1,2,2-Tetrachloroethane

Curve Fit: **AVERAGE RF**

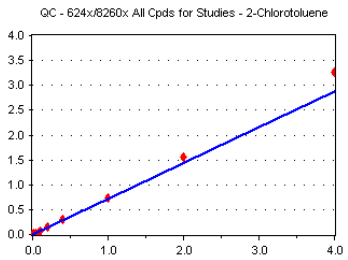


Standard	Concentration	Response	Response Factor	RT
~~0K18062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
0K18062-CAL2	0.2	374	1.014	10.99
0K18062-CAL3	0.4	658	0.906	10.99
0K18062-CAL4	1	1803	1.027	10.98
0K18062-CAL5	2	3634	1.059	10.98
0K18062-CAL6	5	8815	0.997	10.98
0K18062-CAL7	10	18165	1.039	10.98
0K18062-CAL8	20	37215	1.056	10.98
0K18062-CAL9	50	97676	1.047	10.98
0K18062-CALA	100	194784	1.015	10.98
0K18062-CALB	200	384698	1.017	10.98

AVE RF **1.018** RF RSD **4.33** AVE RT **10.98**

2-Chlorotoluene

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
~~0K18062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
0K18062-CAL2	0.2	190	0.515	11.05
0K18062-CAL3	0.4	463	0.638	11.05
0K18062-CAL4	1	1272	0.725	11.04
0K18062-CAL5	2	2481	0.723	11.05
0K18062-CAL6	5	6440	0.728	11.04
0K18062-CAL7	10	13251	0.758	11.05
0K18062-CAL8	20	26541	0.753	11.04
0K18062-CAL9	50	69560	0.745	11.04
0K18062-CALA	100	149732	0.780	11.04
0K18062-CALB	200	309114	0.817	11.05

AVE RF **0.718** RF RSD **11.83** AVE RT **11.04**

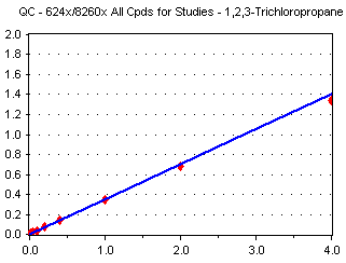
Element Calibration Review Sheet

Calibration ID: **A0K1904** Instrument: **VOA-GCMS6** Calibration Date: **11/19/2020**

Analysis: **QC - 624x/8260x All Cpds fo** Instrument Cal ID: **VF201119G.M/VF201119S.M**

1,2,3-Trichloropropane

Curve Fit: **AVERAGE RF**

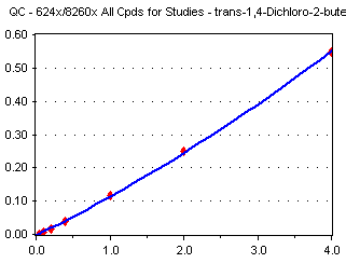


Standard	Concentration	Response	Response Factor	RT
~~0K18062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
0K18062-CAL3	0.4	200	0.275	11.09
0K18062-CAL4	1	638	0.363	11.09
0K18062-CAL5	2	1463	0.426	11.09
0K18062-CAL6	5	3134	0.354	11.09
0K18062-CAL7	10	6321	0.361	11.09
0K18062-CAL8	20	12837	0.364	11.09
0K18062-CAL9	50	32566	0.349	11.09
0K18062-CALA	100	65119	0.339	11.09
0K18062-CALB	200	126923	0.335	11.09

AVE RF **0.352** RF RSD **11.08** AVE RT **11.09**

trans-1,4-Dichloro-2-butene

Curve Fit: **QUADRATIC: Weighting: (1/a), Origin: Ignore**

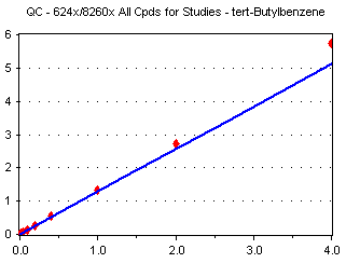


Standard	Concentration	Response	Response Factor	RT
~~0K18062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL3~~	~~0.4~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL4~~	~~1~~	~~0~~	~~0.000~~	~~0.00~~
0K18062-CAL5	2	122	3.554	11.13
0K18062-CAL6	5	627	0.071	11.12
0K18062-CAL7	10	1344	7.686	11.12
0K18062-CAL8	20	3300	9.364	11.12
0K18062-CAL9	50	10961	0.117	11.12
0K18062-CALA	100	23913	0.125	11.12
0K18062-CALB	200	51831	0.137	11.12

AVE RF **0.094** RF RSD **37.93** AVE RT **11.12**

tert-Butylbenzene

Curve Fit: **AVERAGE RF**

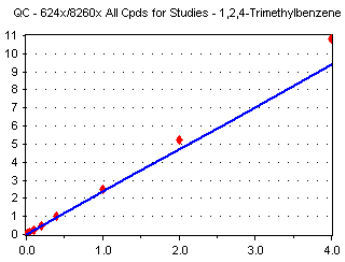


Standard	Concentration	Response	Response Factor	RT
~~0K18062-CAL1~~	~~0.1~~	~~133~~	~~0.719~~	~~0.00~~
0K18062-CAL2	0.2	371	1.006	11.33
0K18062-CAL3	0.4	855	1.177	11.33
0K18062-CAL4	1	2288	1.303	11.32
0K18062-CAL5	2	4333	1.262	11.32
0K18062-CAL6	5	11254	1.272	11.32
0K18062-CAL7	10	23418	1.339	11.33
0K18062-CAL8	20	47652	1.352	11.32
0K18062-CAL9	50	122715	1.315	11.32
0K18062-CALA	100	261615	1.364	11.32
0K18062-CALB	200	541633	1.431	11.32

AVE RF **1.282** RF RSD **9.24** AVE RT **11.32**

1,2,4-Trimethylbenzene

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
~~0K18062-CAL1~~	~~0.1~~	~~295~~	~~1.596~~	~~0.00~~
0K18062-CAL2	0.2	750	2.034	11.39
0K18062-CAL3	0.4	1409	1.940	11.39
0K18062-CAL4	1	3578	2.038	11.38
0K18062-CAL5	2	7889	2.298	11.38
0K18062-CAL6	5	20523	2.320	11.38
0K18062-CAL7	10	43143	2.467	11.38
0K18062-CAL8	20	89795	2.548	11.38
0K18062-CAL9	50	233261	2.500	11.38
0K18062-CALA	100	501319	2.613	11.38
0K18062-CALB	200	1021644	2.700	11.38

AVE RF **2.346** RF RSD **11.33** AVE RT **11.38**

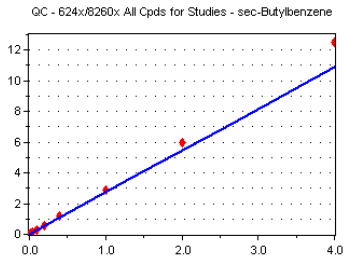
Element Calibration Review Sheet

Calibration ID: **A0K1904** Instrument: **VOA-GCMS6** Calibration Date: **11/19/2020**

Analysis: **QC - 624x/8260x All Cpds fo** Instrument Cal ID: **VF201119G.M/VF201119S.M**

sec-Butylbenzene

Curve Fit: **AVERAGE RF**

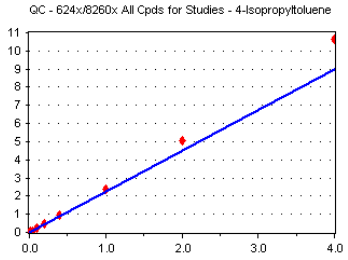


Standard	Concentration	Response	Response Factor	RT
~~0K18062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
0K18062-CAL2	0.2	791	2.145	11.47
0K18062-CAL3	0.4	1704	2.346	11.47
0K18062-CAL4	1	4324	2.463	11.46
0K18062-CAL5	2	9366	2.728	11.46
0K18062-CAL6	5	24098	2.724	11.46
0K18062-CAL7	10	50407	2.883	11.46
0K18062-CAL8	20	103102	2.926	11.46
0K18062-CAL9	50	266467	2.856	11.46
0K18062-CALA	100	572917	2.986	11.46
0K18062-CALB	200	1184770	3.131	11.46

AVE RF **2.719** RF RSD **11.39** AVE RT **11.46**

4-Isopropyltoluene

Curve Fit: **AVERAGE RF**

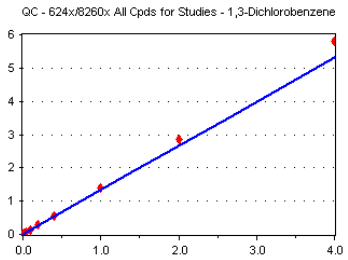


Standard	Concentration	Response	Response Factor	RT
~~0K18062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL2~~	~~0.2~~	~~617~~	~~1.673~~	~~11.57~~
0K18062-CAL3	0.4	1233	1.698	11.57
0K18062-CAL4	1	3371	1.920	11.57
0K18062-CAL5	2	7247	2.111	11.57
0K18062-CAL6	5	18890	2.136	11.57
0K18062-CAL7	10	40720	2.329	11.57
0K18062-CAL8	20	85613	2.429	11.57
0K18062-CAL9	50	221864	2.378	11.57
0K18062-CALA	100	483810	2.522	11.57
0K18062-CALB	200	1004664	2.655	11.57

AVE RF **2.242** RF RSD **13.55** AVE RT **11.57**

1,3-Dichlorobenzene

Curve Fit: **AVERAGE RF**

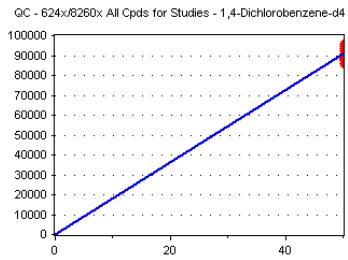


Standard	Concentration	Response	Response Factor	RT
0K18062-CAL1	0.1	207	1.120	11.65
0K18062-CAL2	0.2	341	0.925	11.64
0K18062-CAL3	0.4	882	1.214	11.64
0K18062-CAL4	1	2372	1.351	11.64
0K18062-CAL5	2	5293	1.542	11.64
0K18062-CAL6	5	12282	1.389	11.64
0K18062-CAL7	10	24274	1.388	11.64
0K18062-CAL8	20	49675	1.410	11.64
0K18062-CAL9	50	130673	1.400	11.64
0K18062-CALA	100	273981	1.428	11.64
0K18062-CALB	200	549931	1.453	11.64

AVE RF **1.329** RF RSD **13.25** AVE RT **11.64**

1,4-Dichlorobenzene-d4 (ISTD)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0K18062-CAL1	50	92426	1848.520	11.69
0K18062-CAL2	50	92179	1843.580	11.69
0K18062-CAL3	50	90784	1815.680	11.69
0K18062-CAL4	50	87778	1755.560	11.70
0K18062-CAL5	50	85828	1716.560	11.69
0K18062-CAL6	50	88453	1769.060	11.69
0K18062-CAL7	50	87428	1748.560	11.69
0K18062-CAL8	50	88102	1762.040	11.69
0K18062-CAL9	50	93317	1866.340	11.69
0K18062-CALA	50	95925	1918.500	11.69
0K18062-CALB	50	94597	1891.940	11.69

AVE RF **1812.395** RF RSD **3.65** AVE RT **11.69**

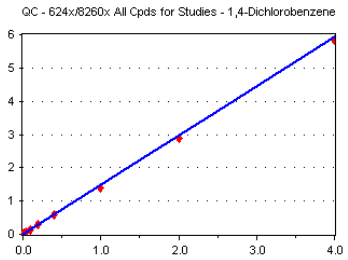
Element Calibration Review Sheet

Calibration ID: **A0K1904** Instrument: **VOA-GCMS6** Calibration Date: **11/19/2020**

Analysis: **QC - 624x/8260x All Cpds fo** Instrument Cal ID: **VF201119G.M/VF201119S.M**

1,4-Dichlorobenzene

Curve Fit: **AVERAGE RF**

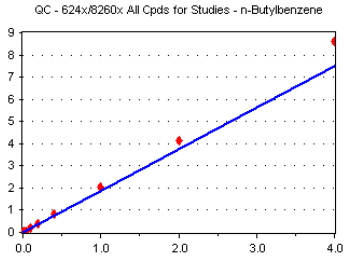


Standard	Concentration	Response	Response Factor	RT
0K18062-CAL1	0.1	282	1.526	11.71
0K18062-CAL2	0.2	513	1.391	11.70
0K18062-CAL3	0.4	1140	1.570	11.71
0K18062-CAL4	1	2648	1.508	11.71
0K18062-CAL5	2	5880	1.713	11.71
0K18062-CAL6	5	12817	1.449	11.70
0K18062-CAL7	10	25110	1.436	11.70
0K18062-CAL8	20	51178	1.452	11.70
0K18062-CAL9	50	131614	1.410	11.70
0K18062-CALA	100	276048	1.439	11.70
0K18062-CALB	200	551839	1.458	11.70

AVE RF **1.487** RF RSD **6.13** AVE RT **11.71**

n-Butylbenzene

Curve Fit: **AVERAGE RF**

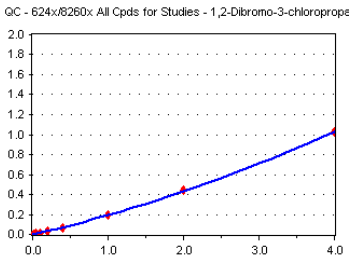


Standard	Concentration	Response	Response Factor	RT
~~0K18062-CAL1~~	~~0.1~~	~~235~~	~~1.271~~	~~0.00~~
0K18062-CAL2	0.2	549	1.489	11.89
0K18062-CAL3	0.4	1199	1.651	11.89
0K18062-CAL4	1	3037	1.730	11.89
0K18062-CAL5	2	6228	1.814	11.89
0K18062-CAL6	5	16418	1.856	11.89
0K18062-CAL7	10	33878	1.937	11.89
0K18062-CAL8	20	71795	2.037	11.89
0K18062-CAL9	50	188741	2.023	11.89
0K18062-CALA	100	396720	2.068	11.89
0K18062-CALB	200	813005	2.149	11.89

AVE RF **1.875** RF RSD **11.08** AVE RT **11.89**

1,2-Dibromo-3-chloropropane

Curve Fit: **QUADRATIC: Weighting: (1/a), Origin: Ignore**

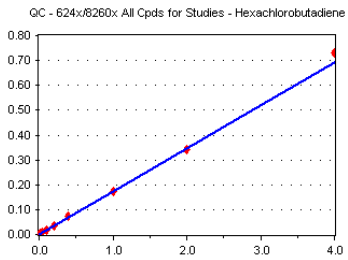


Standard	Concentration	Response	Response Factor	RT
~~0K18062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL3~~	~~0.4~~	~~0~~	~~0.000~~	~~0.00~~
0K18062-CAL4	1	184	0.105	12.63
0K18062-CAL5	2	494	0.144	12.63
0K18062-CAL6	5	996	0.113	12.62
0K18062-CAL7	10	2595	0.148	12.62
0K18062-CAL8	20	6040	0.171	12.62
0K18062-CAL9	50	17952	0.192	12.63
0K18062-CALA	100	42754	0.223	12.63
0K18062-CALB	200	96798	0.256	12.62

AVE RF **0.169** RF RSD **31.10** AVE RT **12.63**

Hexachlorobutadiene

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
~~0K18062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL3~~	~~0.4~~	~~0~~	~~0.000~~	~~0.00~~
0K18062-CAL4	1	267	0.152	13.12
0K18062-CAL5	2	594	0.173	13.12
0K18062-CAL6	5	1541	0.174	13.12
0K18062-CAL7	10	3177	0.182	13.12
0K18062-CAL8	20	6288	0.178	13.13
0K18062-CAL9	50	16285	0.175	13.13
0K18062-CALA	100	32697	0.170	13.13
0K18062-CALB	200	68967	0.182	13.13

AVE RF **0.173** RF RSD **5.51** AVE RT **13.12**

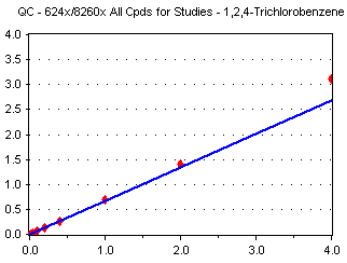
Element Calibration Review Sheet

Calibration ID: **A0K1904** Instrument: **VOA-GCMS6** Calibration Date: **11/19/2020**

Analysis: **QC - 624x/8260x All Cpds fo** Instrument Cal ID: **VF201119G.M/VF201119S.M**

1,2,4-Trichlorobenzene

Curve Fit: **AVERAGE RF**

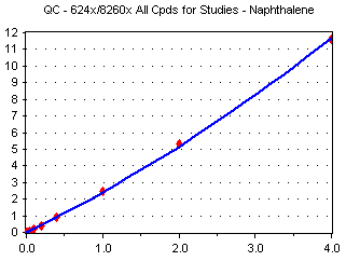


Standard	Concentration	Response	Response Factor	RT
~~0K18062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL2~~	~~0.2~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL3~~	~~0.4~~	~~261~~	~~0.359~~	~~13.16~~
0K18062-CAL4	1	904	0.515	13.16
0K18062-CAL5	2	2628	0.765	13.17
0K18062-CAL6	5	5332	0.603	13.16
0K18062-CAL7	10	10911	0.624	13.16
0K18062-CAL8	20	23472	0.666	13.16
0K18062-CAL9	50	65421	0.701	13.16
0K18062-CALA	100	135613	0.707	13.16
0K18062-CALB	200	294309	0.778	13.16

AVE RF **0.670** RF RSD **13.08** AVE RT **13.16**

Naphthalene

Curve Fit: **QUADRATIC: Weighting: (1/a), Origin: Ignore**

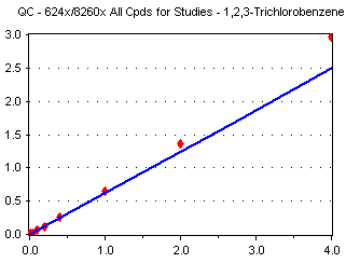


Standard	Concentration	Response	Response Factor	RT
~~0K18062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
0K18062-CAL2	0.2	380	1.031	13.44
0K18062-CAL3	0.4	785	1.081	13.44
0K18062-CAL4	1	2238	1.275	13.43
0K18062-CAL5	2	7173	2.089	13.43
0K18062-CAL6	5	14748	1.667	13.43
0K18062-CAL7	10	33557	1.919	13.44
0K18062-CAL8	20	79109	2.245	13.43
0K18062-CAL9	50	228943	2.453	13.43
0K18062-CALA	100	510374	2.660	13.43
0K18062-CALB	200	1097032	2.899	13.43

AVE RF **1.932** RF RSD **34.07** AVE RT **13.43**

1,2,3-Trichlorobenzene

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
~~0K18062-CAL1~~	~~0.1~~	~~0~~	~~0.000~~	~~0.00~~
~~0K18062-CAL2~~	~~0.2~~	~~139~~	~~0.377~~	~~13.60~~
~~0K18062-CAL3~~	~~0.4~~	~~269~~	~~0.370~~	~~13.60~~
0K18062-CAL4	1	913	0.520	13.59
0K18062-CAL5	2	1926	0.561	13.60
0K18062-CAL6	5	5158	0.583	13.60
0K18062-CAL7	10	10431	0.597	13.60
0K18062-CAL8	20	22900	0.650	13.60
0K18062-CAL9	50	60794	0.651	13.60
0K18062-CALA	100	130085	0.678	13.60
0K18062-CALB	200	280192	0.740	13.60

AVE RF **0.623** RF RSD **11.37** AVE RT **13.60**

Compound List Report VOA-GCMS6

Method Path : Y:\METHODS\
Method File : VF201119S.M
Title : EPA 8260: Volatile Organic Compounds
Last Update : Thu Nov 19 16:36:27 2020
Response Via : Initial Calibration

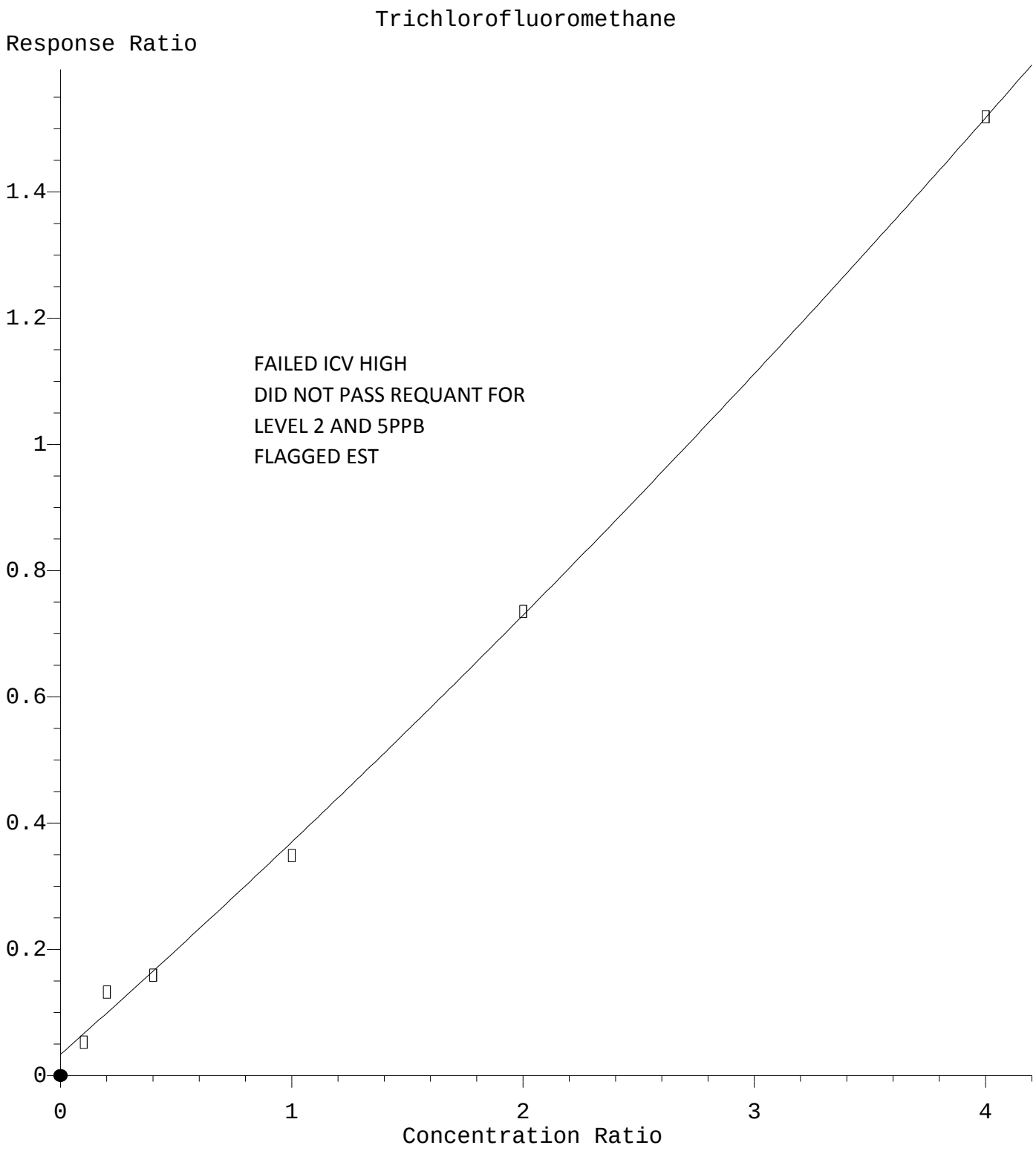
Total Cpnds : 85

PK#		Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1	I	Pentafluorobenzene (I)	99	6.019	1.000	A	2	A	R
2		Dichlorodifluoromethane	85	1.609	0.267	A	2	A	R
3	P	Chloromethane	50	1.815	0.302	A	2	A	R
4	C	Vinyl Chloride	62	1.901	0.316	A	2	A	R
5		Bromomethane	96	2.248	0.373	A	2	A	R
6		Chloroethane	64	2.387	0.397	A	2	A	R
7		Trichlorofluoromethane	101	2.514	0.418	Q	2	A	R
8		Ethanol	45	3.196	0.531	A	1	A	R
9	C	1,1-Dichloroethene	61	3.087	0.513	A	2	A	R
10		Carbon Disulfide	76	3.098	0.515	A	2	A	R
11		Freon 113	101	3.135	0.521	A	2	A	R
12		Iodomethane	142	3.238	0.538	Q	2	A	R
13		Methylene Chloride	84	3.707	0.616	A	2	A	R
14		Acetone	43	3.798	0.631	A	1	A	R
15		t-1,2-Dichloroethene	61	3.883	0.645	A	2	A	R
16		n-Hexane	86	3.962	0.658	A	3	A	R
17		Methyl-tert-butyl-ether	73	4.011	0.666	A	3	A	R
18		tert-Butanol (TBA)	59	4.181	0.695	A	1	A	B
19		Diisopropyl ether (DIPE)	45	4.406	0.732	A	2	A	R
20	P	1,1-Dichloroethane	63	4.510	0.749	A	2	A	R
21		Acrylonitrile	53	4.576	0.760	A	2	A	R
22		Ethyl-tert-butyl ether (ETBE)	59	4.771	0.793	A	2	A	R
23		c-1,2-Dichloroethene	61	5.063	0.841	A	2	A	R
24		2,2-Dichloropropane	77	5.166	0.858	A	2	A	R
25		Bromochloromethane	49	5.264	0.875	A	2	A	R
26	C	Chloroform	83	5.349	0.889	A	2	A	R
27		Carbon Tetrachloride	117	5.476	0.910	A	2	A	R
28		Tetrahydrofuran	42	5.512	0.916	A	2	A	R
29		1,1,1-Trichloroethane	97	5.543	0.921	A	2	A	R
30	S	Dibromofluoromethane (S)	111	5.532	0.919	A	2	A	R
31		1,1-Dichloropropene	75	5.677	0.943	A	2	A	R
32		2-Butanone (MEK)	43	5.665	0.941	A	2	A	R
33		Benzene	78	5.940	0.987	A	2	A	R
34		tert-Amyl methyl ether (TAME)	73	6.060	1.007	A	2	A	R
35		1,2-Dichloroethane (EDC)	62	6.145	1.021	A	2	A	R
36		iso-Butyl Alcohol	43	6.212	1.032	A	2	A	R
37	S	1,4-Difluorobenzene (S)	114	6.578	1.093	A	2	A	R
38		Trichloroethene (TCE)	130	6.547	1.088	A	2	A	R
39		tert-Amyl ethyl ether (TAEE)	59	6.802	1.130	A	2	A	R
40		Dibromomethane	93	6.996	1.162	A	2	A	R
41	C	1,2-Dichloropropane	63	7.100	1.180	A	2	A	R
42		Bromodichloromethane	83	7.179	1.193	A	2	A	R
43	I	Chlorobenzene-d5 (I)	117	9.735	1.000	A	2	A	R
44		c-1,3-Dichloropropene	75	7.878	0.809	Q	2	A	R
45	S	Toluene-d8 (S)	98	8.087	0.831	A	2	A	R
46	C	Toluene	91	8.147	0.837	A	2	A	R
47		Tetrachloroethene (PCE)	166	8.590	0.882	A	2	A	R
48		4-Methyl-2-Pentanone (MIBK)	43	8.590	0.882	A	2	A	R
49		t-1,3-Dichloropropene	75	8.633	0.887	Q	2	A	R
50		1,1,2-Trichloroethane	97	8.809	0.905	A	2	A	R
51		Dibromochloromethane	129	9.003	0.925	Q	2	A	R
52		1,3-Dichloropropane	76	9.101	0.935	A	2	A	R
53		1,2-Dibromoethane (EDB)	107	9.234	0.949	A	2	A	R
54		2-Hexanone	43	9.471	0.973	A	2	A	R

55	P	Chlorobenzene	112	9.753	1.002	A		2	A	R
56	C	Ethylbenzene	91	9.789	1.006	A		2	A	R
57		1,1,1,2-Tetrachloroethane	131	9.819	1.009	Q		2	A	R
58		m,p-Xylenes (2)	91	9.923	1.019	A		2	A	R
59		o-Xylene	91	10.306	1.059	A		2	A	R
60		Styrene	104	10.347	1.063	A		2	A	R
61	P	Bromoform	173	10.372	1.065	Q		2	A	R
62		Isopropylbenzene	105	10.567	1.085	A		2	A	R
63	I	1,4-Dichlorobenzene-d4 (I)	152	11.693	1.000	A		2	A	R
64	S	4-Bromofluorobenzene (S)	174	10.811	0.925	A		2	A	R
65		Bromobenzene	156	10.895	0.932	A		2	A	R
66		n-Propylbenzene	91	10.913	0.933	A		2	A	R
67	P	1,1,2,2-Tetrachloroethane	83	10.980	0.939	A		2	A	R
68		2-Chlorotoluene	126	11.041	0.944	A		2	A	R
69		1,3,5-Trimethylbenzene	105	11.079	0.947	A		2	A	R
70		1,2,3-Trichloropropane	110	11.090	0.948	A		2	A	R
71		t-1,4-Dichloro-2-butene	88	11.119	0.951	Q		3	A	R
72		4-Chlorotoluene	91	11.188	0.957	A		2	A	R
73		tert-Butylbenzene	91	11.333	0.969	A		2	A	R
74		1,2,4-Trimethylbenzene	105	11.388	0.974	A		2	A	R
75		sec-Butylbenzene	105	11.461	0.980	A		2	A	R
76		4-Isopropyltoluene	119	11.569	0.989	A		2	A	R
77		1,3-Dichlorobenzene	146	11.650	0.996	A		2	A	R
78		1,4-Dichlorobenzene	146	11.705	1.001	A		2	A	R
79		n-Butylbenzene	91	11.899	1.018	A		2	A	R
80		1,2-Dichlorobenzene	146	12.027	1.029	A		2	A	R
81		1,2-Dibromo-3-Chloropropane	157	12.628	1.080	Q		2	A	R
82		Hexachlorobutadiene	223	13.127	1.123	A		3	A	R
83		1,2,4-Trichlorobenzene	180	13.157	1.125	A		2	A	R
84		Naphthalene	128	13.430	1.149	Q		2	A	R
85		1,2,3-Trichlorobenzene	180	13.595	1.163	A		2	A	R

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
#Qual = number of qualifiers
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

VF201119S.M Thu Nov 19 16:52:17 2020

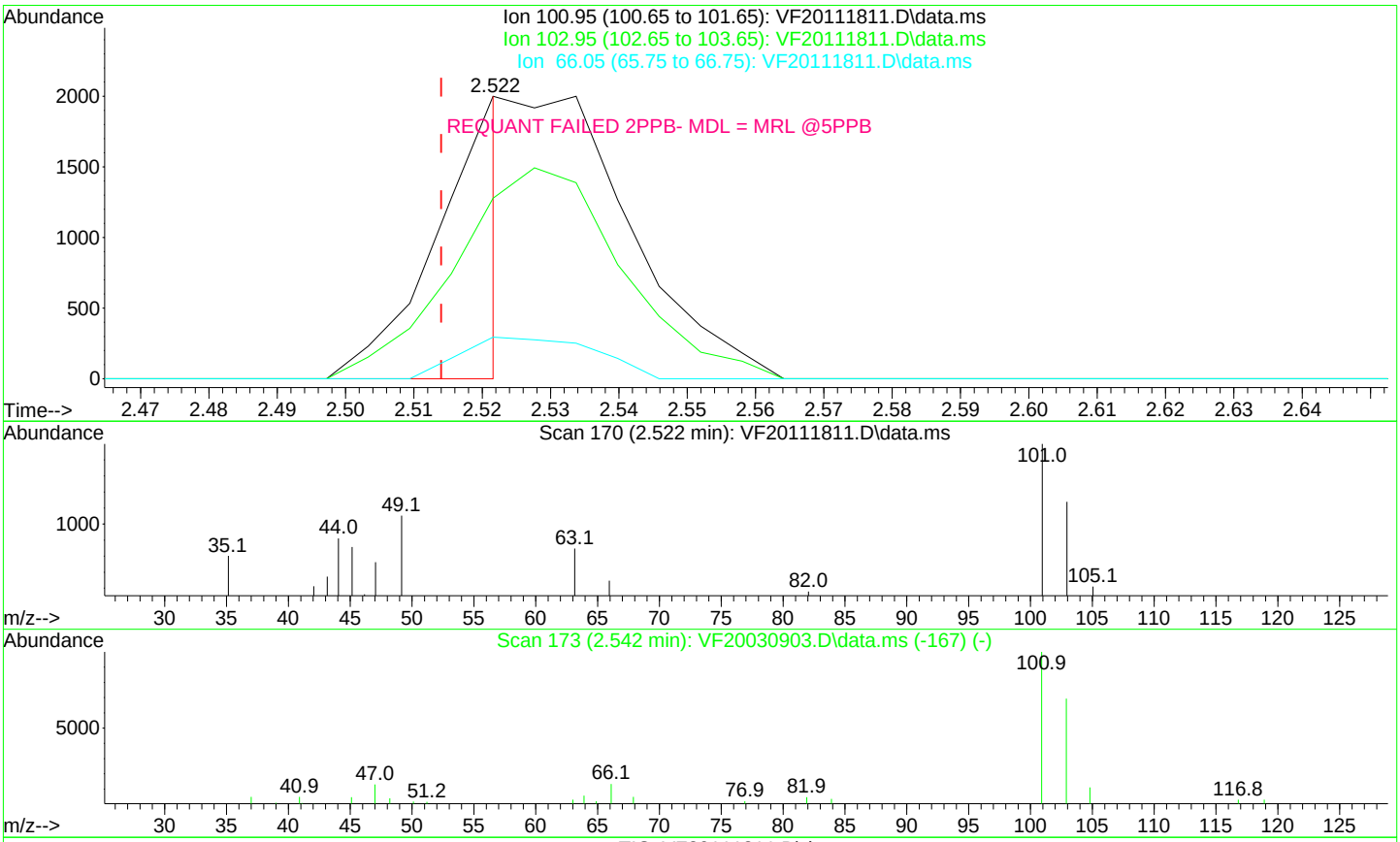


R = 1.15e-002 A*A + 3.25e-001 A + 3.37e-002
Coef of Det (r^2) = 0.990 Curve Fit: Quadratic w(1/a)
Method Name: Y:\METHODS\VF201119S.M
Calibration Table Last Updated: Thu Nov 19 16:49:05 2020

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\REQUANT\
Data File : VF20111811.D
Acq On : 18 Nov 2020 9:42 pm
Operator : TNL
Sample : 0k18062-CAL6
Misc : 1X 5mL 5ppb DI+MeOH
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 19 16:30:04 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:15:03 2020
Response via : Initial Calibration



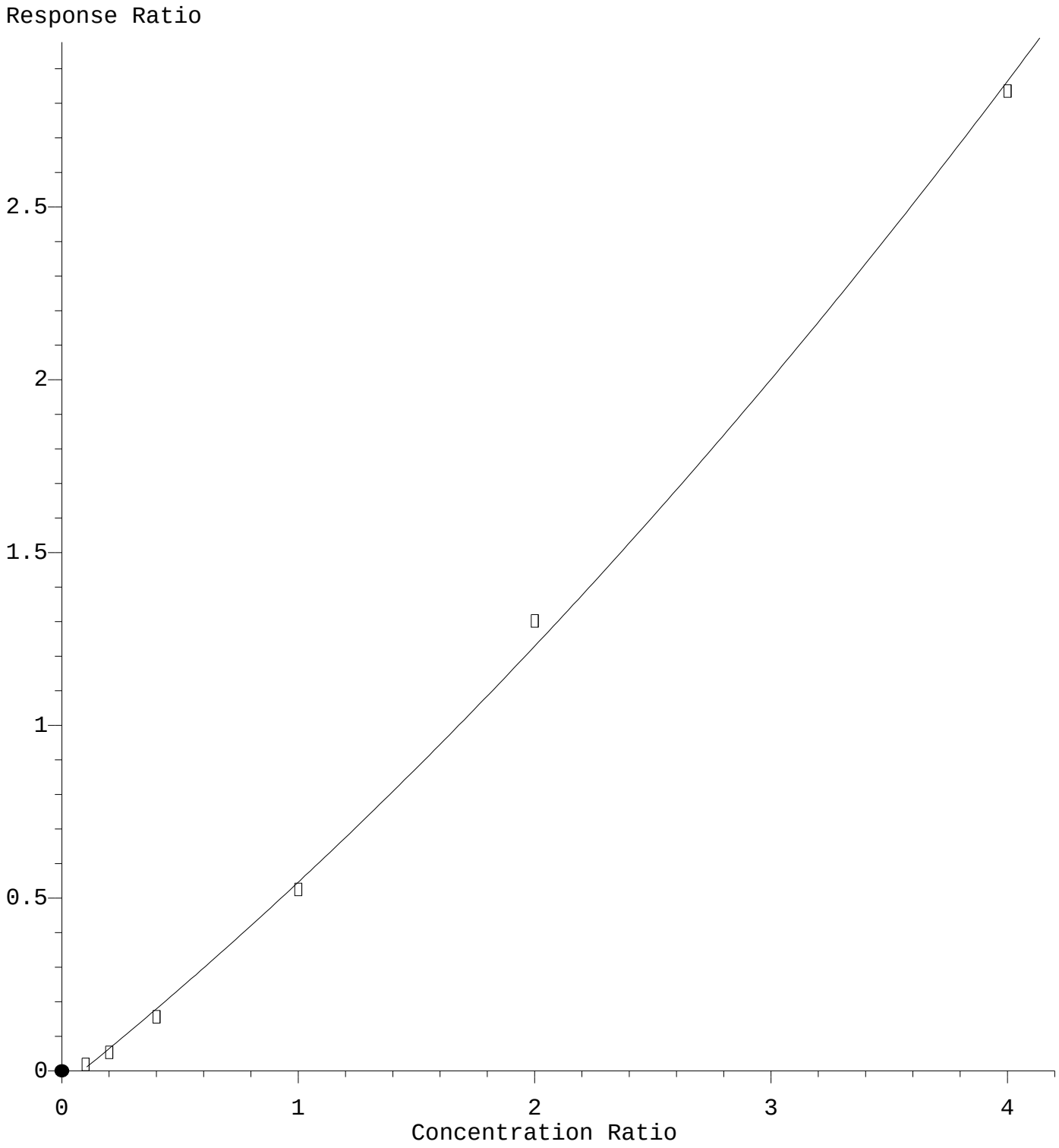
TIC: VF20111811.D\data.ms

(7) Trichlorofluoromethane

2.522min (+ 0.008) 1.30 ug/L m

response 1476

Ion	Exp%	Act%
100.95	100.00	100.00
102.95	65.40	63.93
66.05	11.10	14.71
0.00	0.00	0.00

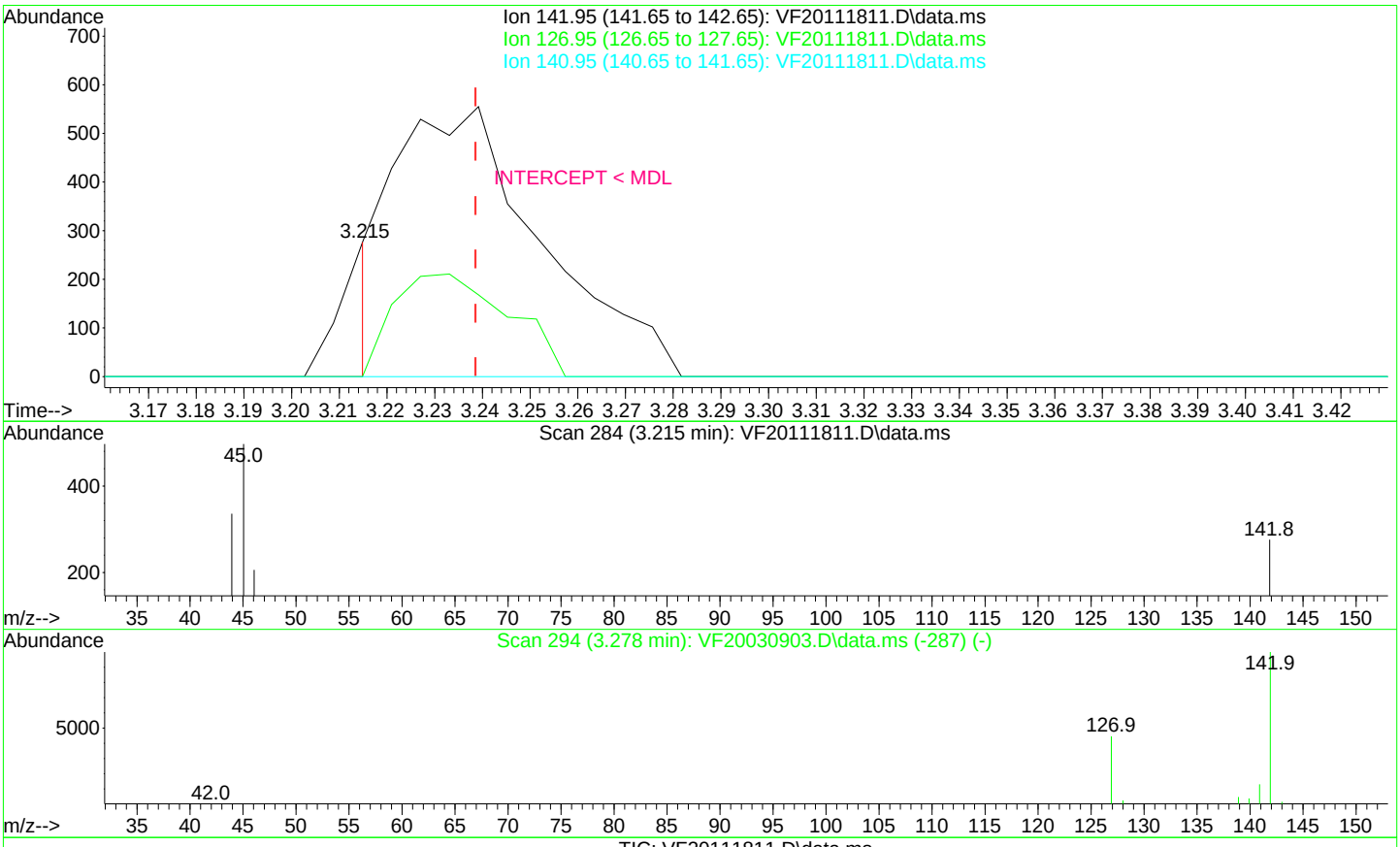


R = 4.49e-002 A*A + 5.48e-001 A - 4.71e-002
Coef of Det (r^2) = 0.998 Curve Fit: Quadratic w(1/a)
Method Name: Y:\METHODS\VF201119S.M
Calibration Table Last Updated: Thu Nov 19 16:49:05 2020

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\REQUANT\
Data File : VF20111811.D
Acq On : 18 Nov 2020 9:42 pm
Operator : TNL
Sample : 0k18062-CAL6
Misc : 1X 5mL 5ppb DI+MeOH
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 19 16:30:04 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:15:03 2020
Response via : Initial Calibration



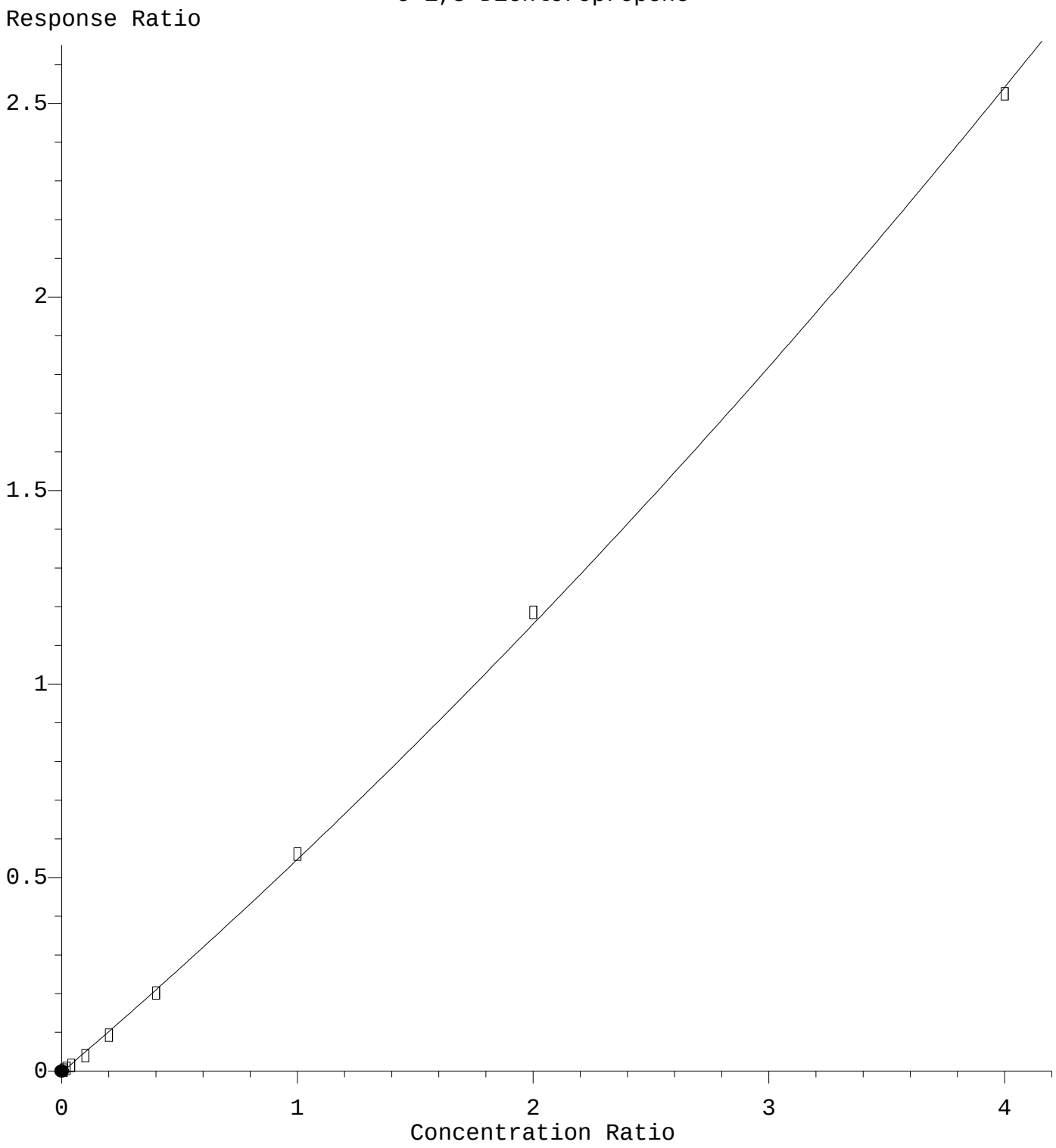
TIC: VF20111811.D\data.ms

(12) Iodomethane

3.215min (-0.024) 4.44 ug/L m

response 141

Ion	Exp%	Act%
141.95	100.00	100.00
126.95	35.00	0.00#
140.95	15.00	0.00#
0.00	0.00	0.00

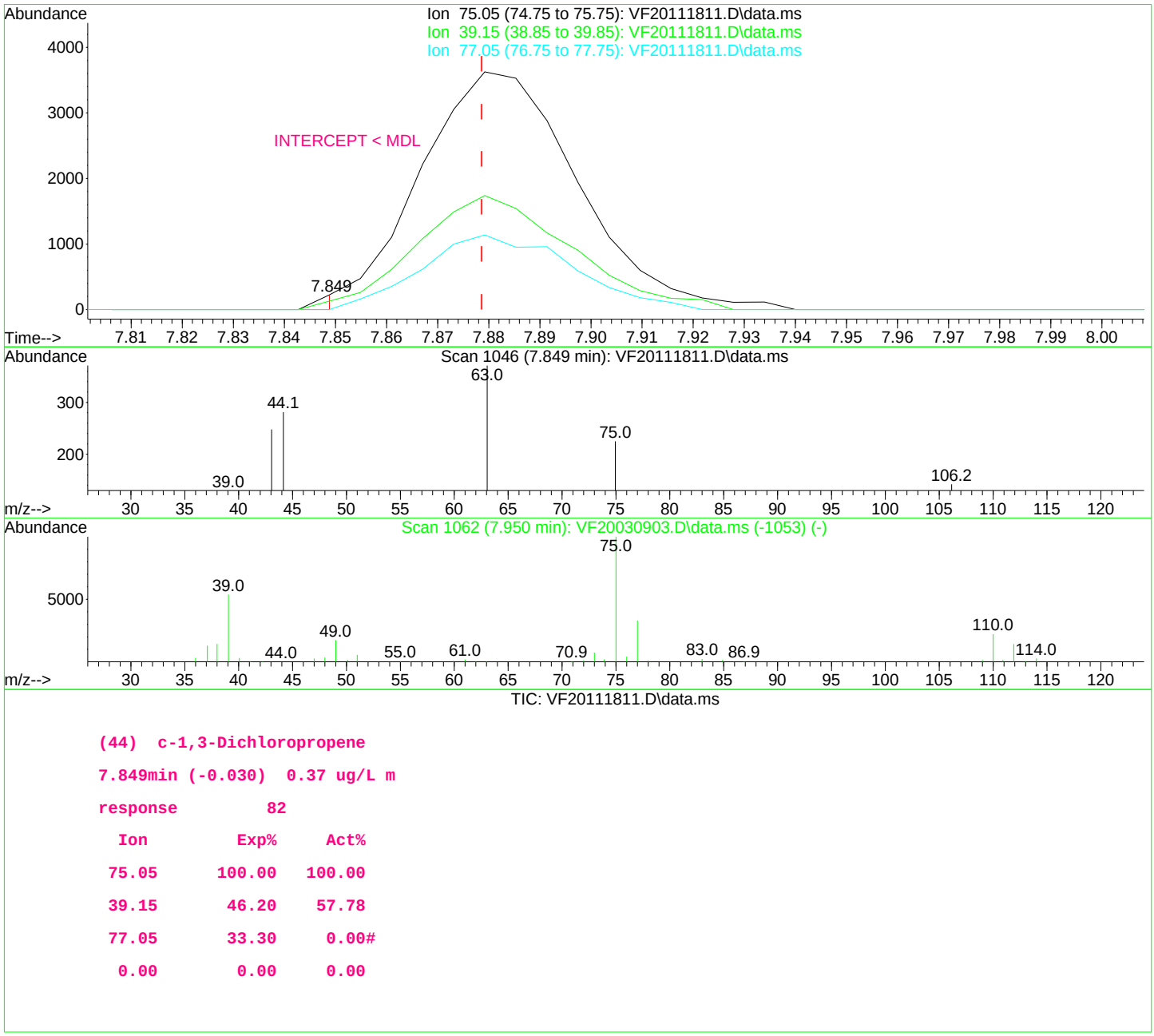


R = 2.86e-002 A*A + 5.22e-001 A - 3.48e-003
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w(1/a)
Method Name: Y:\METHODS\VF201119S.M
Calibration Table Last Updated: Thu Nov 19 16:49:05 2020

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\REQUANT\
Data File : VF20111811.D
Acq On : 18 Nov 2020 9:42 pm
Operator : TNL
Sample : 0k18062-CAL6
Misc : 1X 5mL 5ppb DI+MeOH
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 19 16:30:04 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:15:03 2020
Response via : Initial Calibration



TIC: VF20111811.D\data.ms

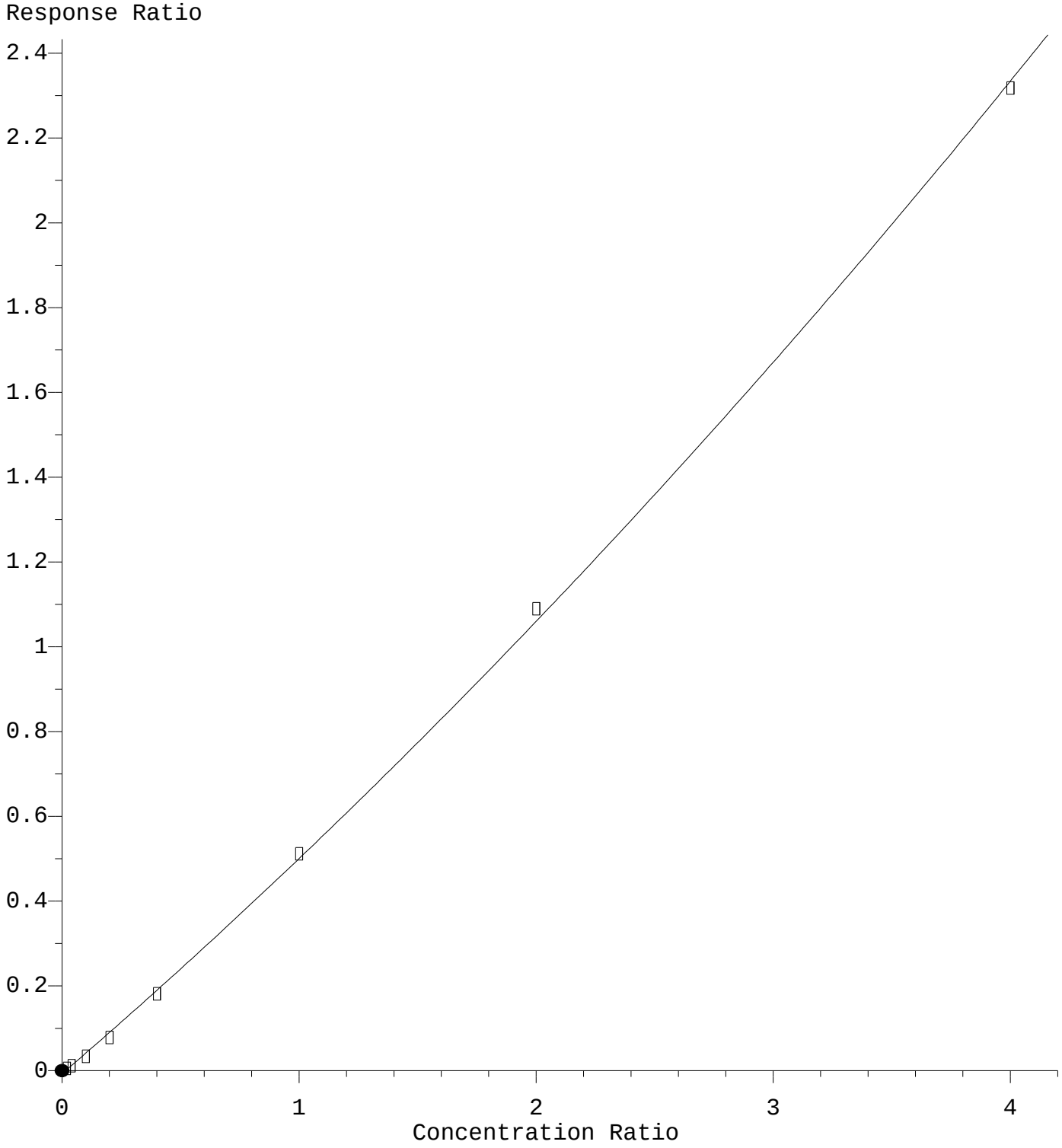
(44) c-1,3-Dichloropropene

7.849min (-0.030) 0.37 ug/L m

response 82

Ion	Exp%	Act%
75.05	100.00	100.00
39.15	46.20	57.78
77.05	33.30	0.00#
0.00	0.00	0.00

t-1,3-Dichloropropene

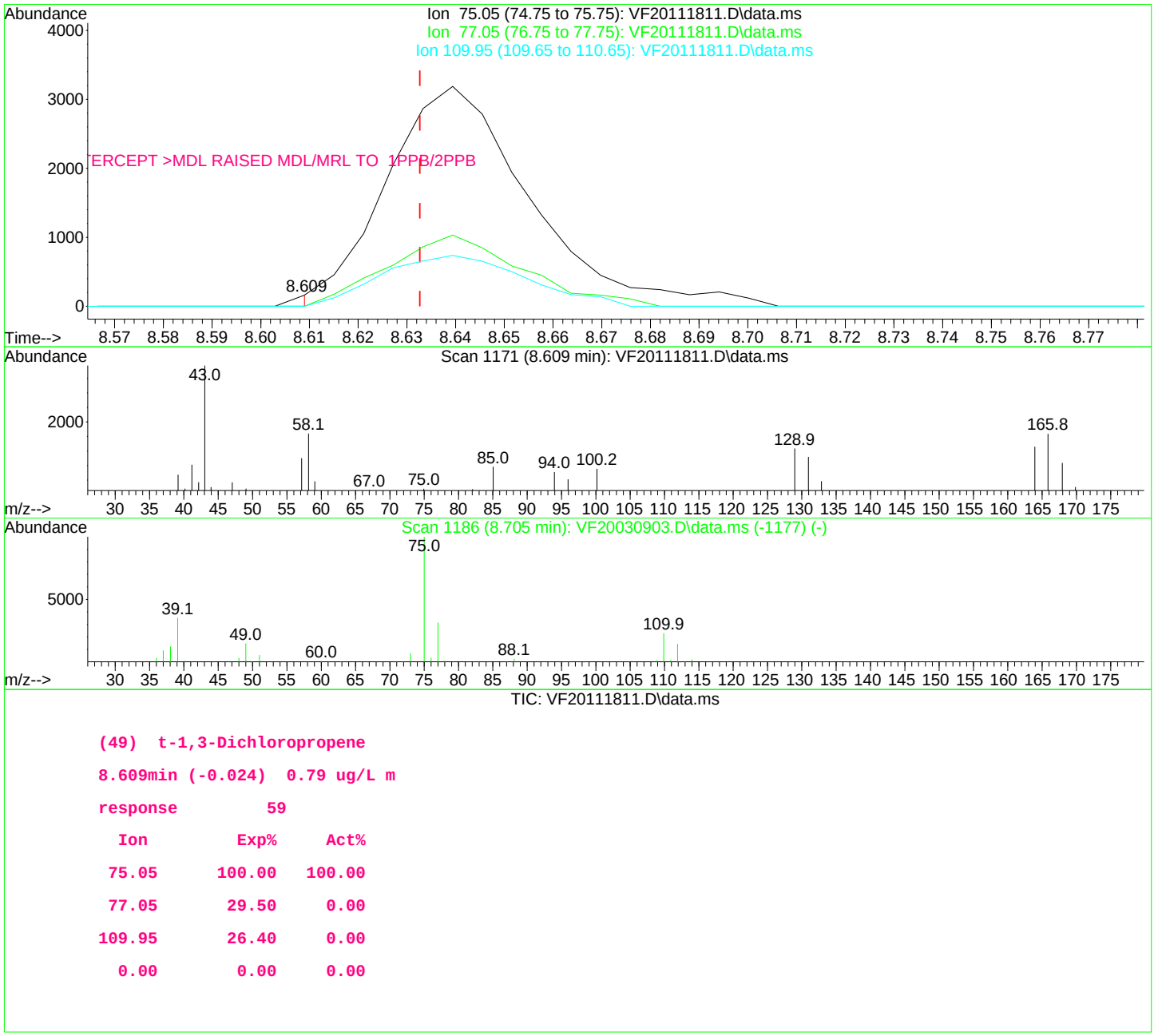


R = 2.59e-002 A*A + 4.82e-001 A - 7.35e-003
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w(1/a)
Method Name: Y:\METHODS\VF201119S.M
Calibration Table Last Updated: Thu Nov 19 16:49:05 2020

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\REQUANT\
Data File : VF20111811.D
Acq On : 18 Nov 2020 9:42 pm
Operator : TNL
Sample : 0k18062-CAL6
Misc : 1X 5mL 5ppb DI+MeOH
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 19 16:30:04 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:15:03 2020
Response via : Initial Calibration



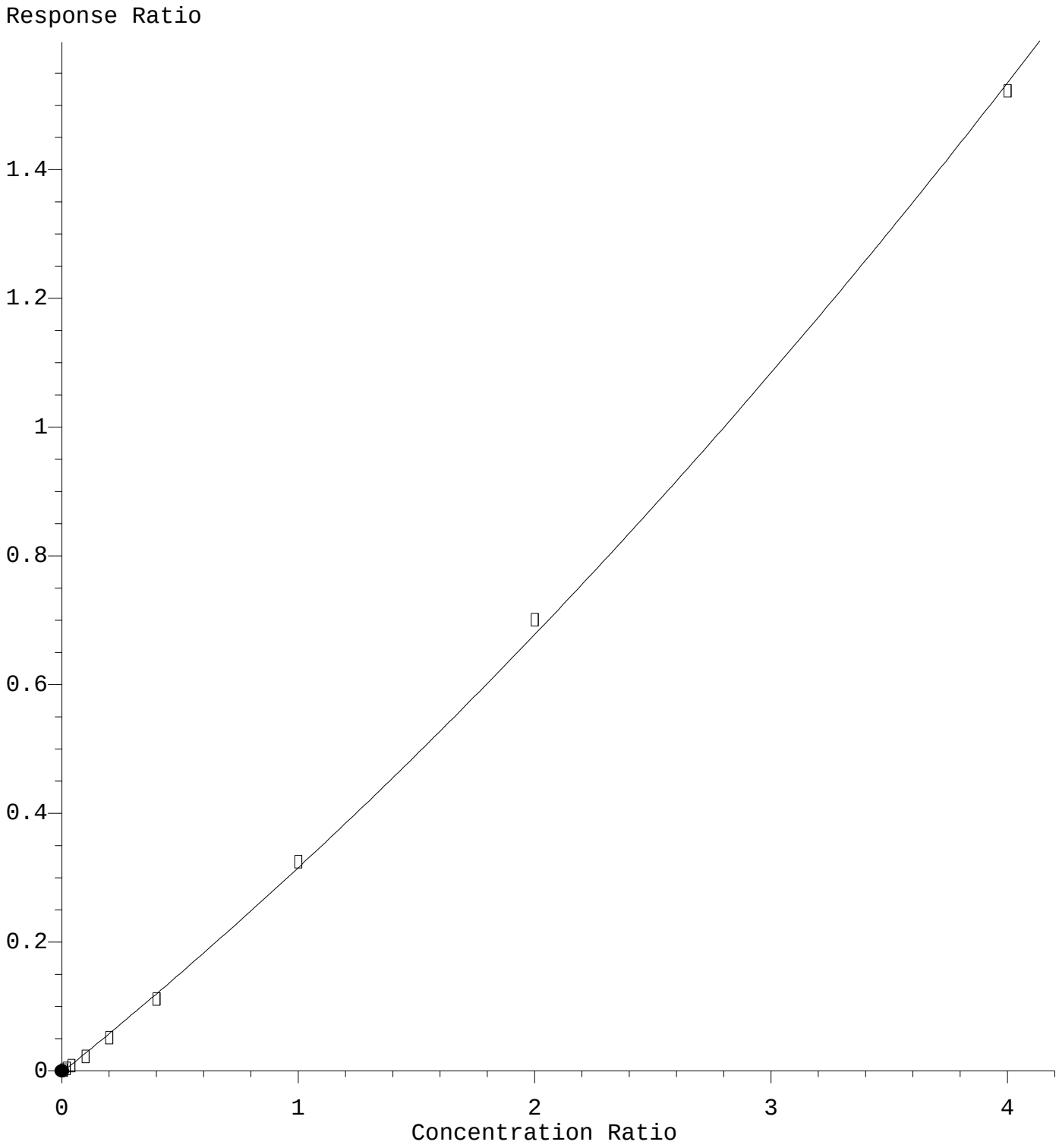
TIC: VF20111811.D\data.ms

(49) t-1,3-Dichloropropene

8.609min (-0.024) 0.79 ug/L m

response 59

Ion	Exp%	Act%
75.05	100.00	100.00
77.05	29.50	0.00
109.95	26.40	0.00
0.00	0.00	0.00

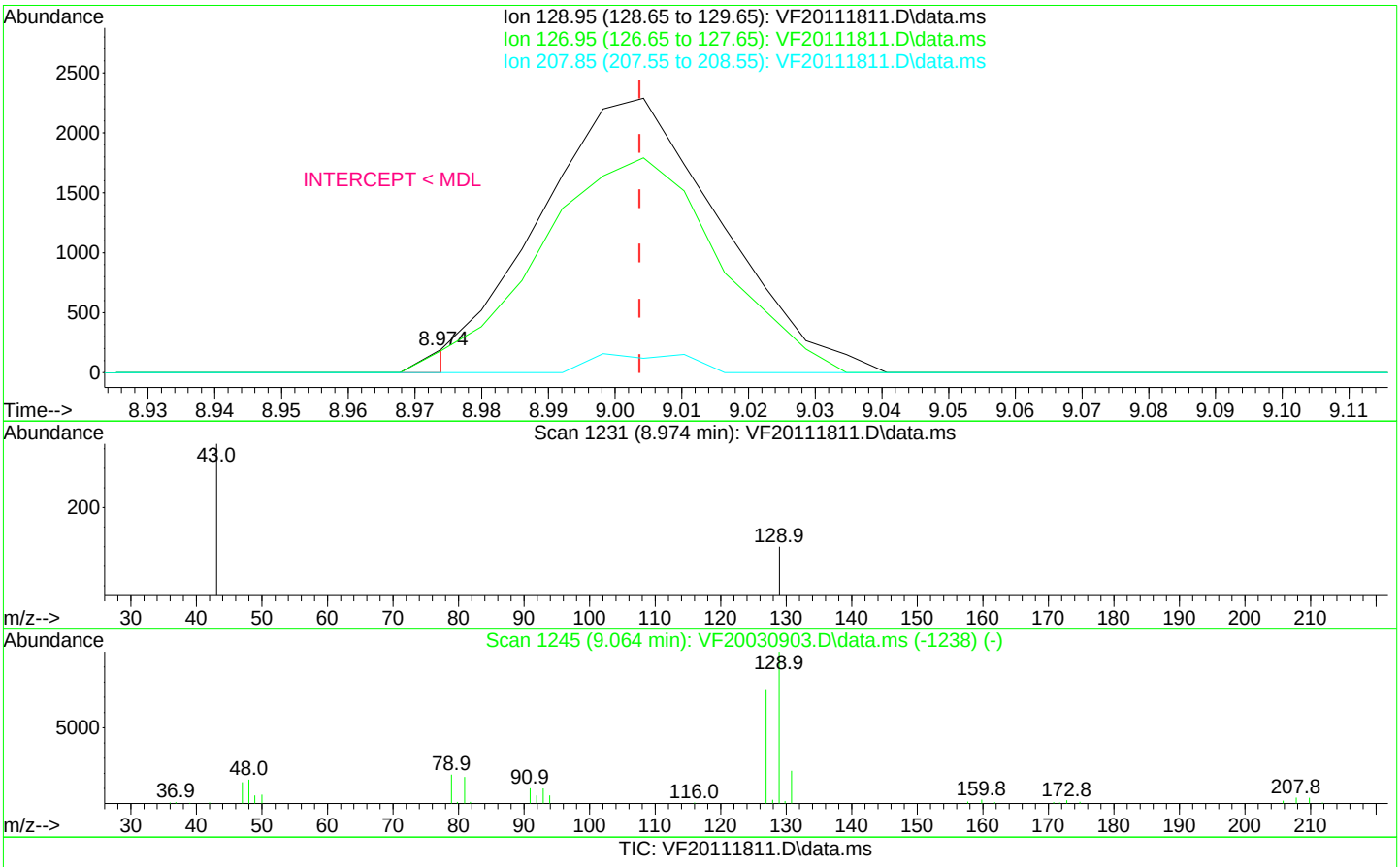


R = 2.21e-002 A*A + 2.96e-001 A - 2.26e-003
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w(1/a)
Method Name: Y:\METHODS\VF201119S.M
Calibration Table Last Updated: Thu Nov 19 16:49:05 2020

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\REQUANT\
Data File : VF20111811.D
Acq On : 18 Nov 2020 9:42 pm
Operator : TNL
Sample : 0k18062-CAL6
Misc : 1X 5mL 5ppb DI+MeOH
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 19 16:30:04 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:15:03 2020
Response via : Initial Calibration



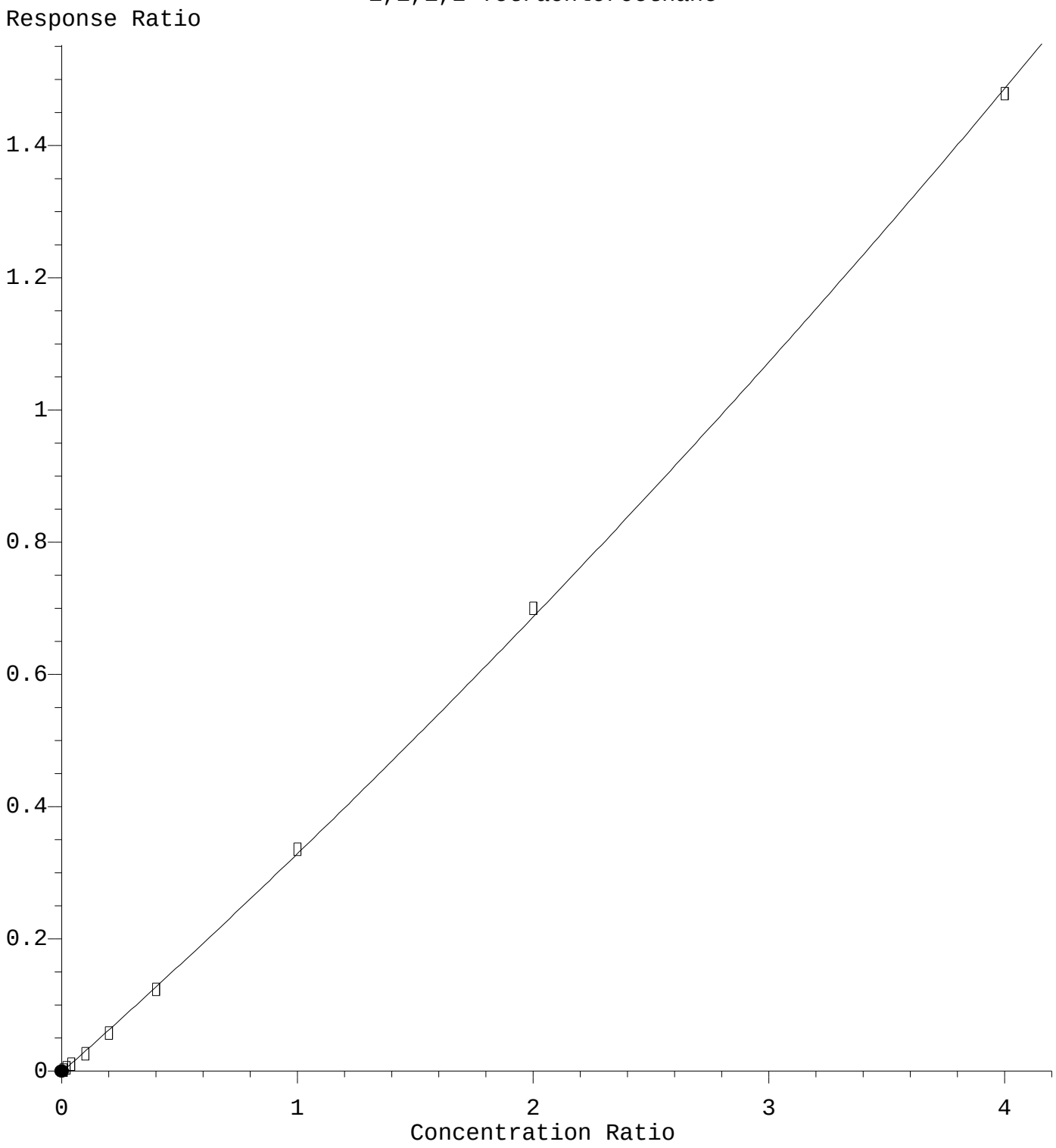
TIC: VF20111811.D\data.ms

(51) Dibromochloromethane

8.974min (-0.030) 0.69 ug/L m

response 70

Ion	Exp%	Act%
128.95	100.00	100.00
126.95	81.20	94.79
207.85	7.40	0.00
0.00	0.00	0.00

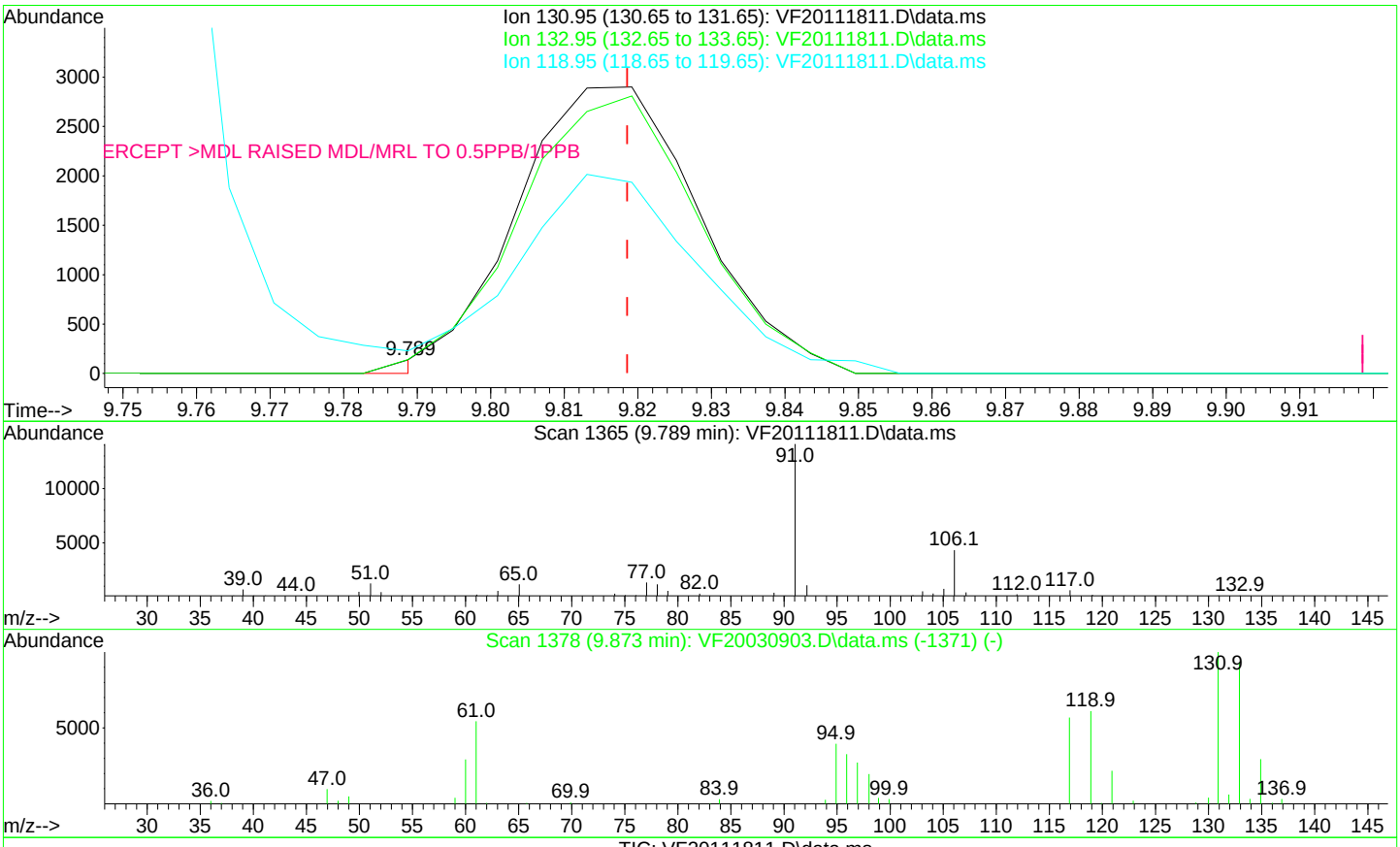


R = 1.38e-002 A*A + 3.17e-001 A - 1.62e-003
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w(1/a)
Method Name: Y:\METHODS\VF201119S.M
Calibration Table Last Updated: Thu Nov 19 16:49:05 2020

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\REQUANT\
Data File : VF20111811.D
Acq On : 18 Nov 2020 9:42 pm
Operator : TNL
Sample : 0k18062-CAL6
Misc : 1X 5mL 5ppb DI+MeOH
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 19 16:30:04 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:15:03 2020
Response via : Initial Calibration

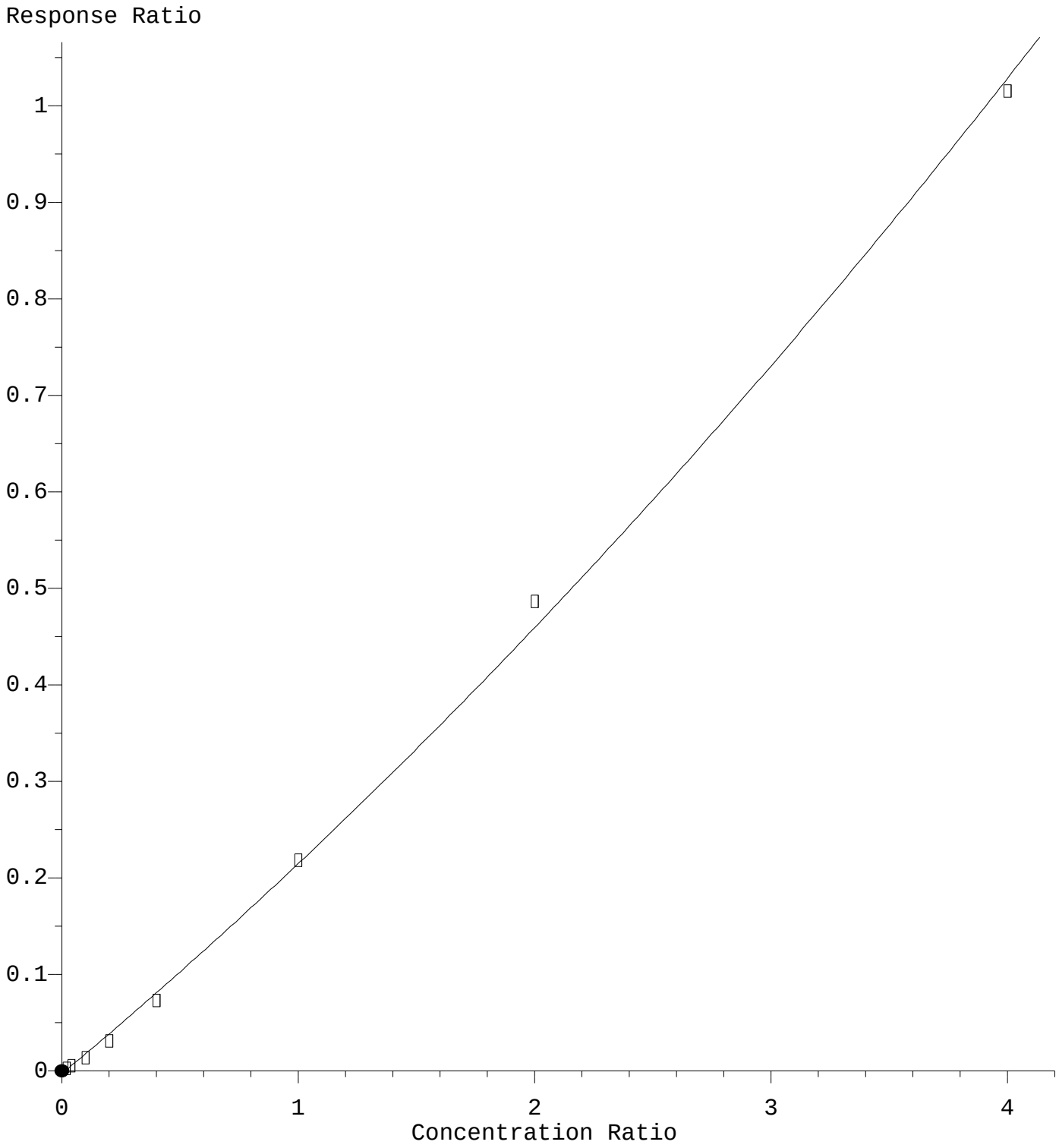


(57) 1,1,1,2-Tetrachloroethane

9.789min (-0.030) 0.30 ug/L m

response 50

Ion	Exp%	Act%
130.95	100.00	100.00
132.95	95.60	102.17
118.95	62.00	165.94#
0.00	0.00	0.00

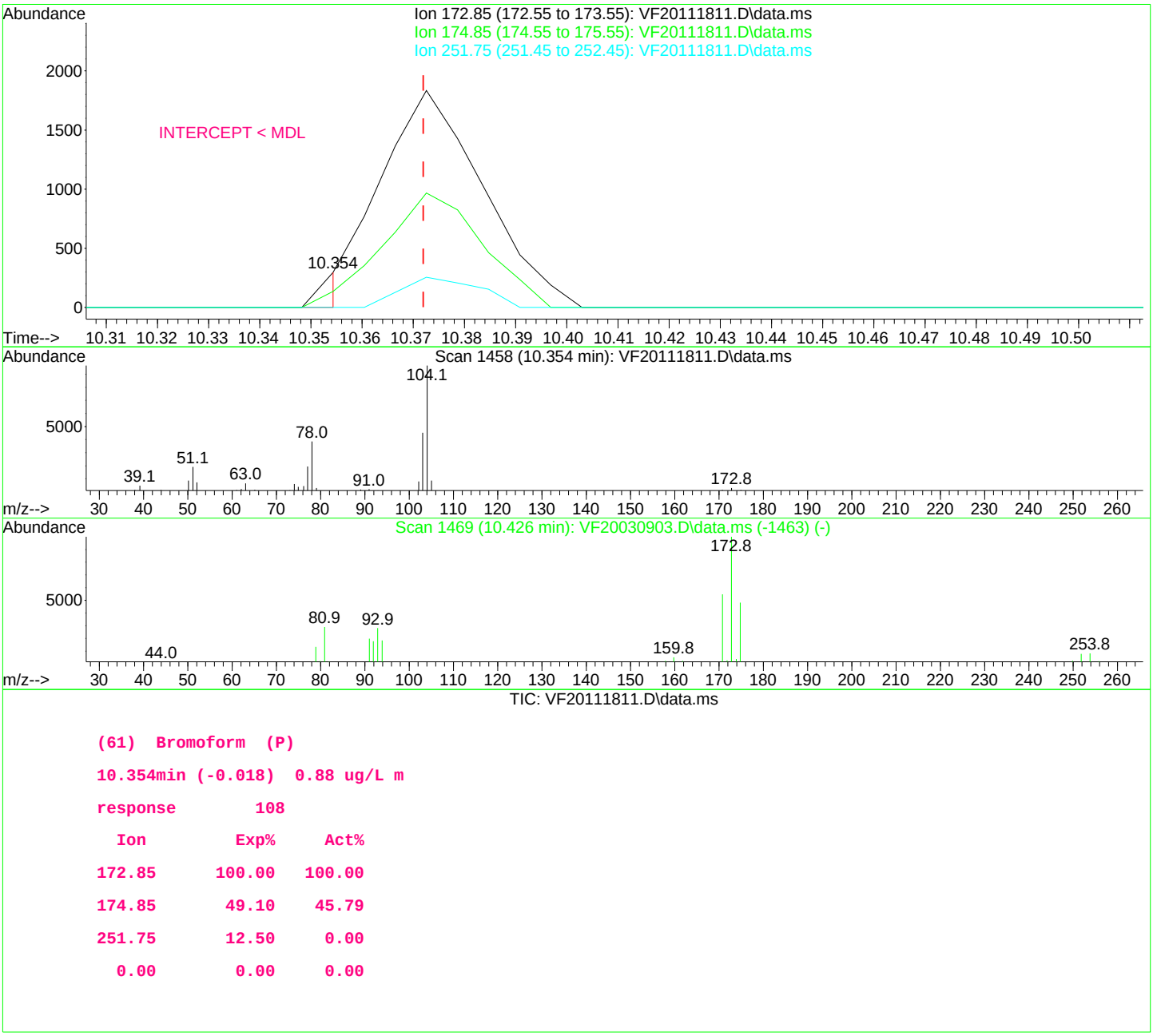


R = 1.34e-002 A*A + 2.04e-001 A - 3.06e-003
Coef of Det (r^2) = 0.997 Curve Fit: Quadratic w(1/a)
Method Name: Y:\METHODS\VF201119S.M
Calibration Table Last Updated: Thu Nov 19 16:49:05 2020

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\REQUANT\
Data File : VF20111811.D
Acq On : 18 Nov 2020 9:42 pm
Operator : TNL
Sample : 0k18062-CAL6
Misc : 1X 5mL 5ppb DI+MeOH
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 19 16:30:04 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:15:03 2020
Response via : Initial Calibration



TIC: VF20111811.D\data.ms

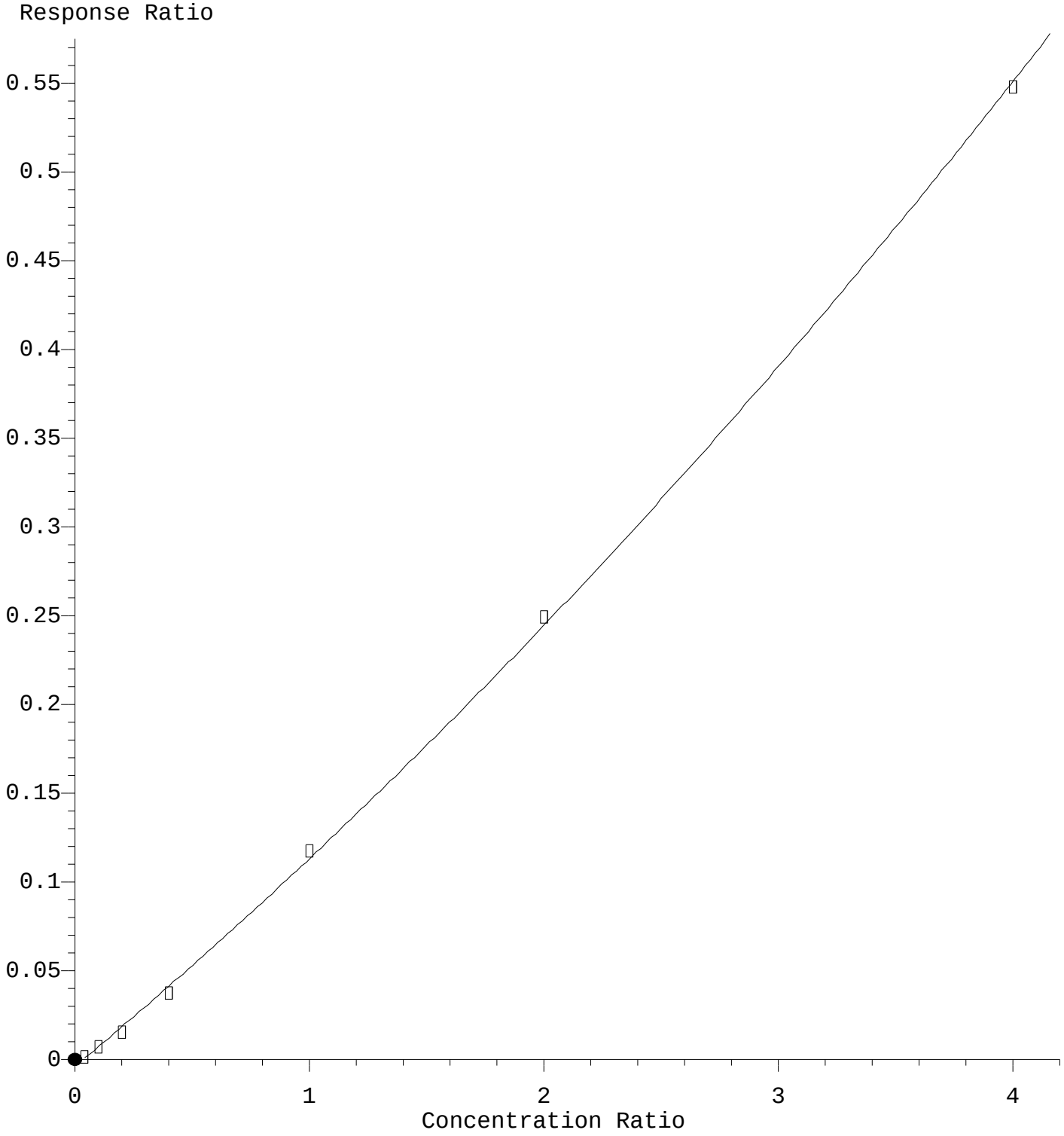
(61) Bromoform (P)

10.354min (-0.018) 0.88 ug/L m

response 108

Ion	Exp%	Act%
172.85	100.00	100.00
174.85	49.10	45.79
251.75	12.50	0.00
0.00	0.00	0.00

t-1,4-Dichloro-2-butene

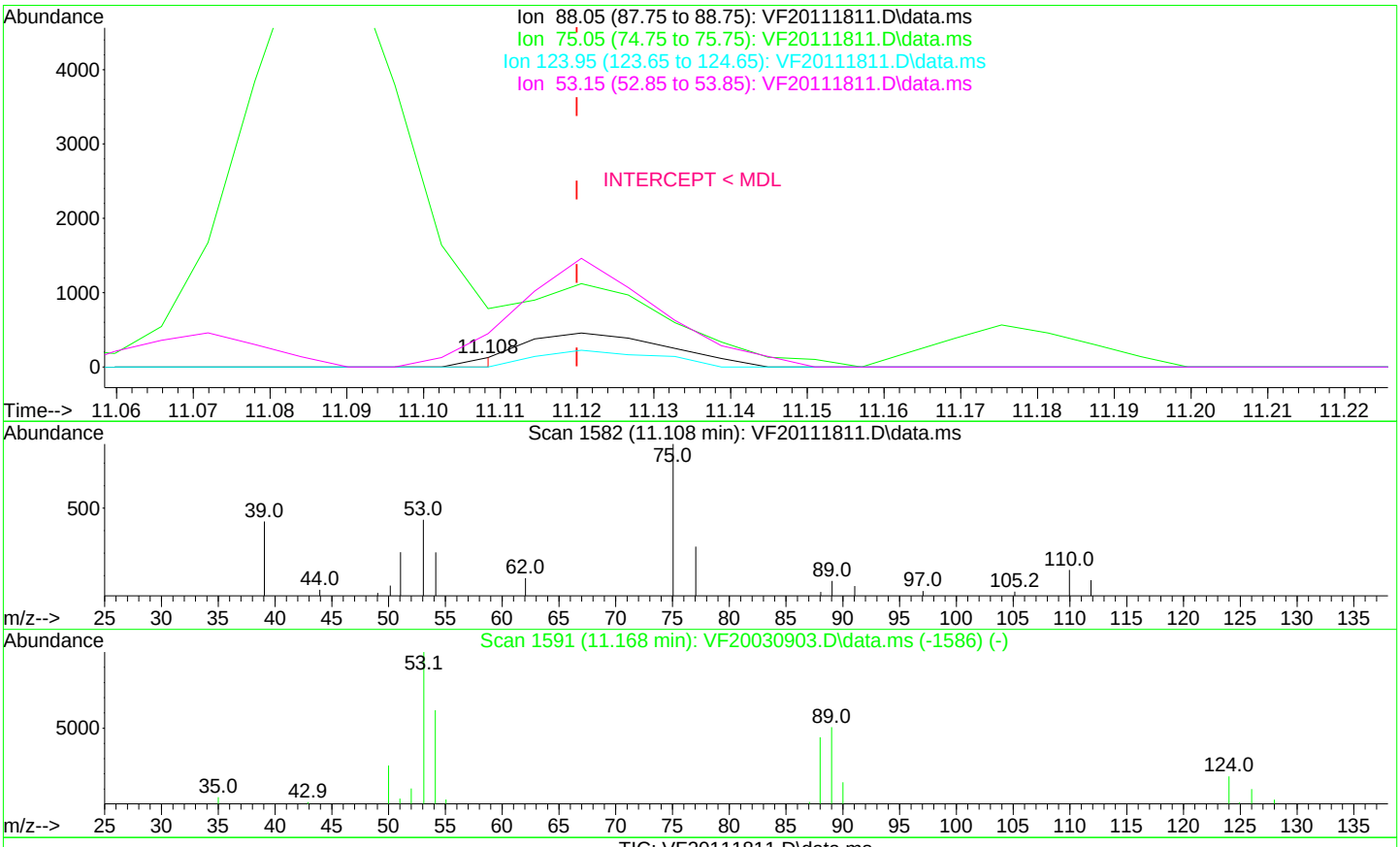


R = 7.26e-003 A*A + 1.10e-001 A - 3.79e-003
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w(1/a)
Method Name: Y:\METHODS\VF201119S.M
Calibration Table Last Updated: Thu Nov 19 16:49:05 2020

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\REQUANT\
Data File : VF20111811.D
Acq On : 18 Nov 2020 9:42 pm
Operator : TNL
Sample : 0k18062-CAL6
Misc : 1X 5mL 5ppb DI+MeOH
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 19 16:30:04 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:15:03 2020
Response via : Initial Calibration



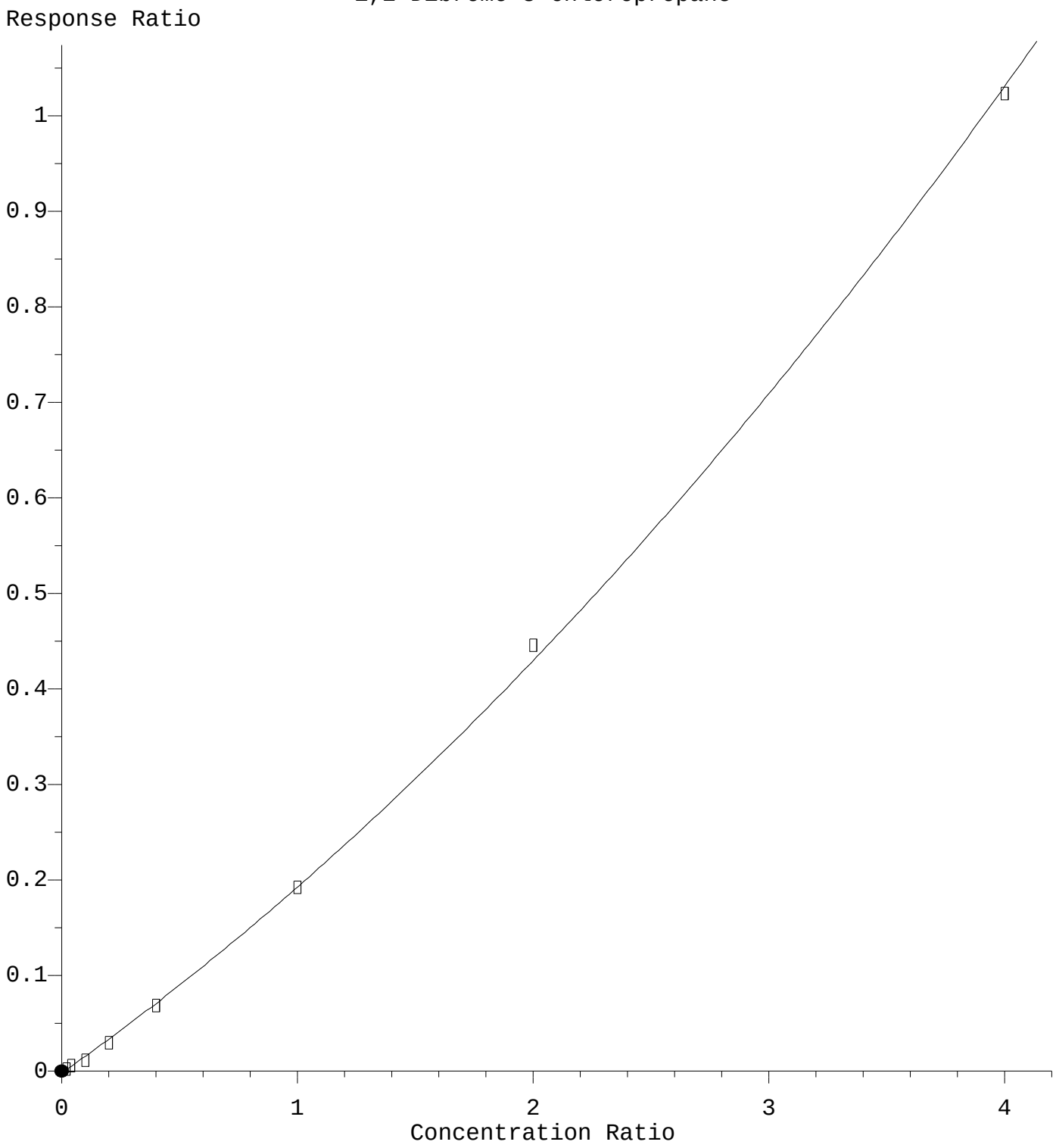
TIC: VF20111811.D\data.ms

(71) t-1,4-Dichloro-2-butene

11.108min (-0.012) 1.96 ug/L m

response 46

Ion	Exp%	Act%
88.05	100.00	100.00
75.05	240.20	618.11#
123.95	48.30	0.00#
53.15	249.20	352.76#

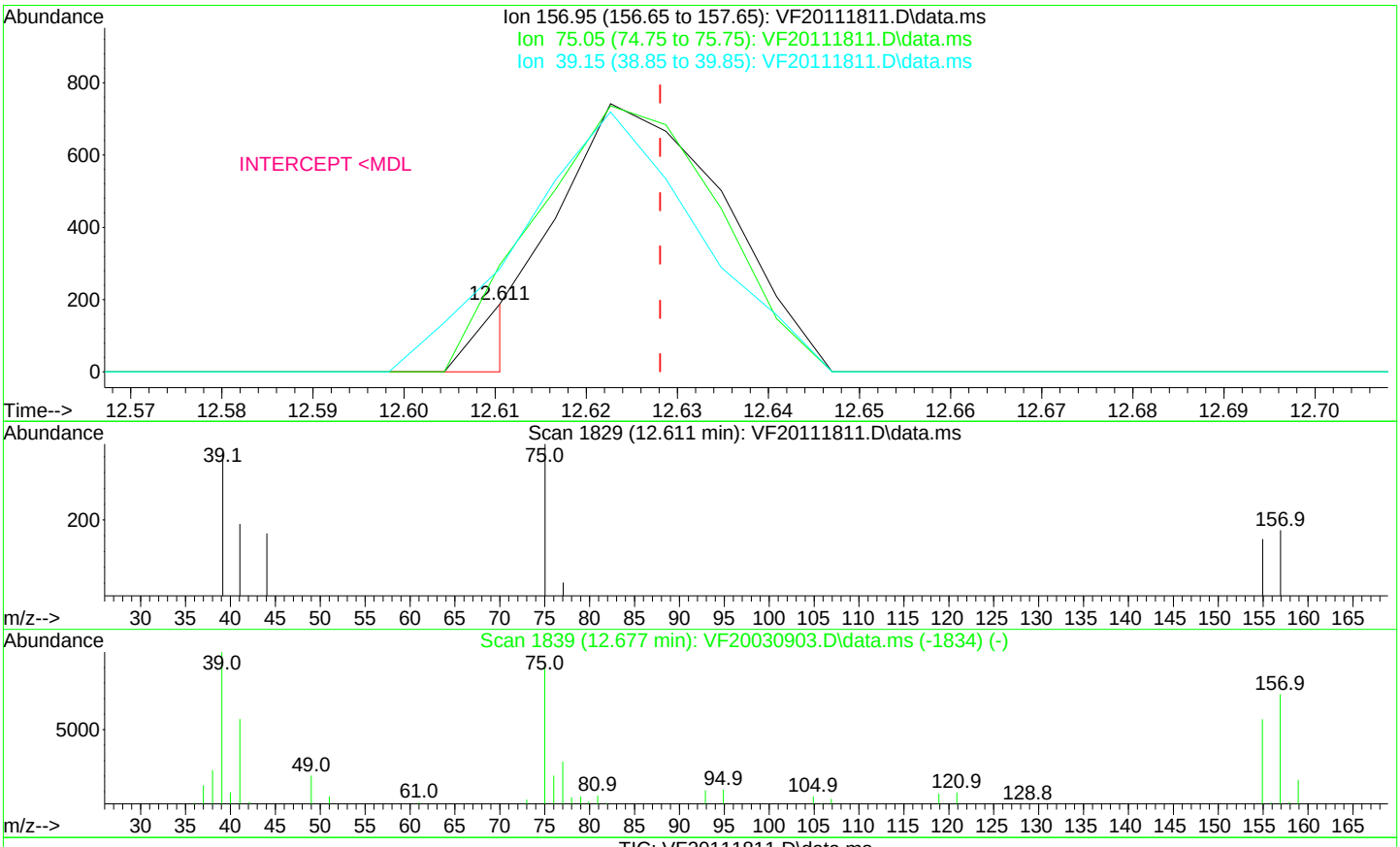


R = 2.12e-002 A*A + 1.74e-001 A - 2.13e-003
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w(1/a)
Method Name: Y:\METHODS\VF201119S.M
Calibration Table Last Updated: Thu Nov 19 16:49:05 2020

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\REQUANT\
Data File : VF20111811.D
Acq On : 18 Nov 2020 9:42 pm
Operator : TNL
Sample : 0k18062-CAL6
Misc : 1X 5mL 5ppb DI+MeOH
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 19 16:30:04 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:15:03 2020
Response via : Initial Calibration



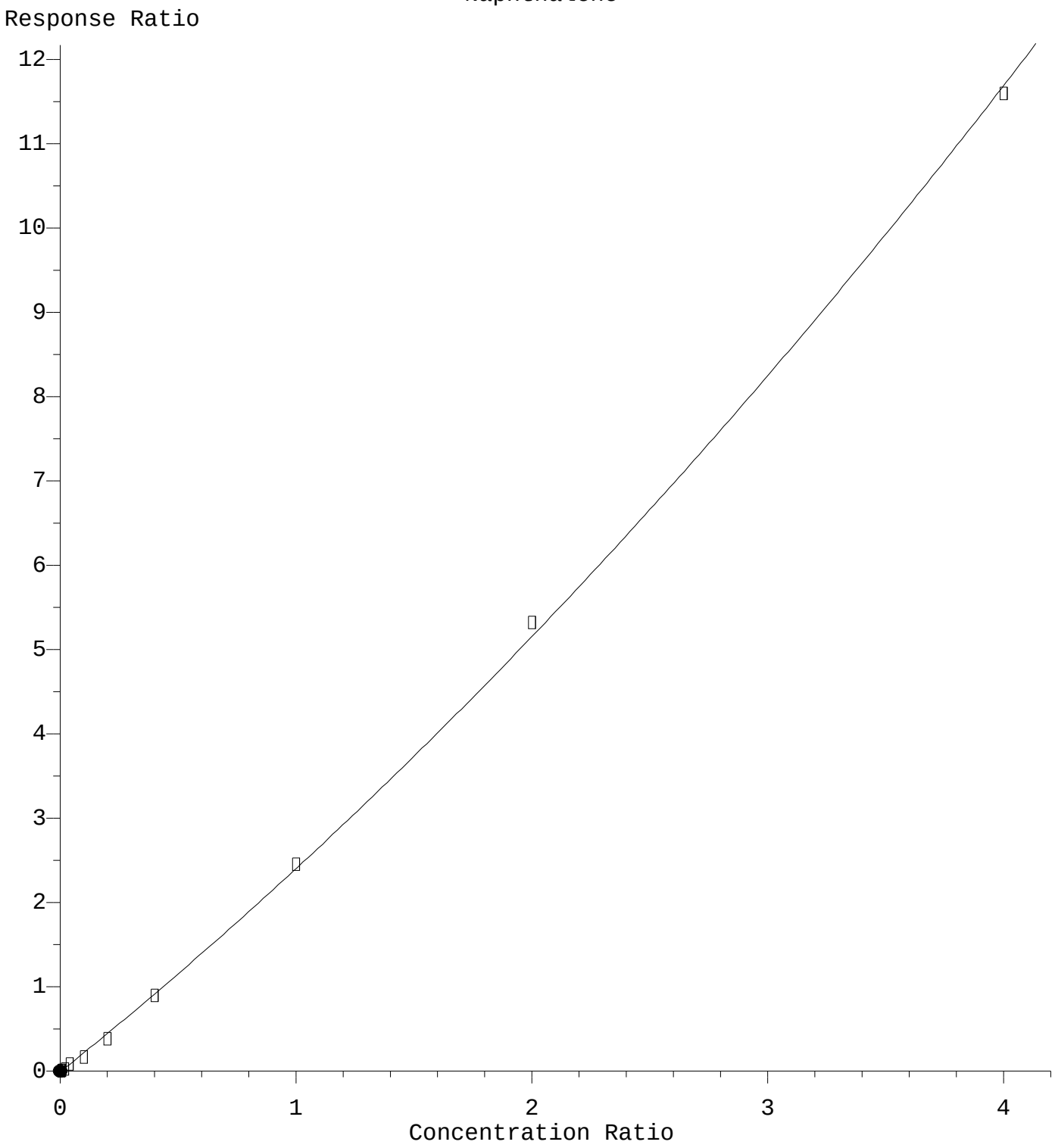
TIC: VF20111811.D\data.ms

(81) 1,2-Dibromo-3-Chloropropane

12.611min (-0.018) 0.83 ug/L m

response 68

Ion	Exp%	Act%
156.95	100.00	100.00
75.05	79.00	158.29#
39.15	63.10	152.41#
0.00	0.00	0.00

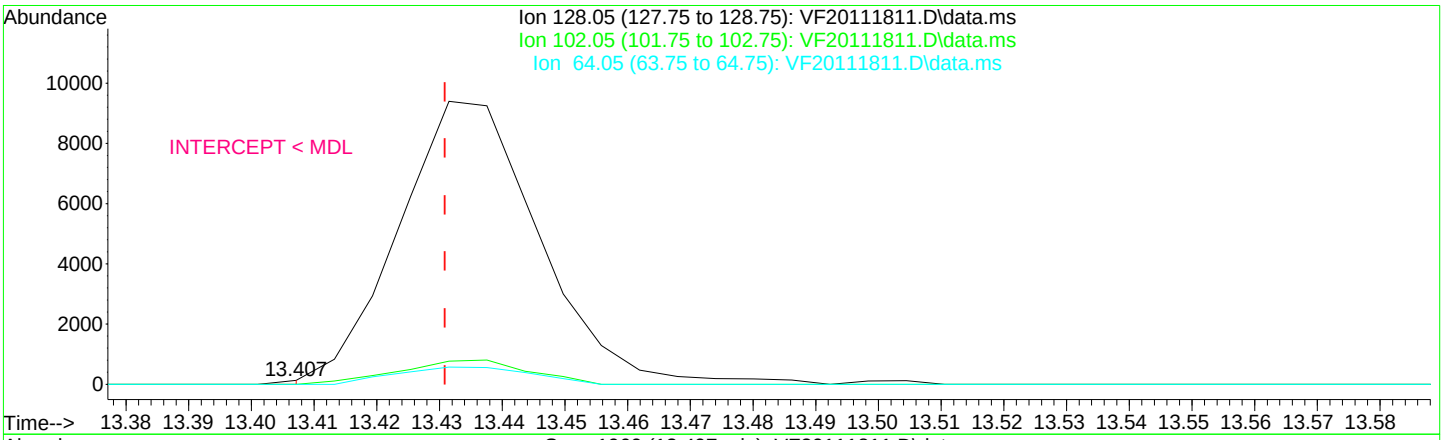


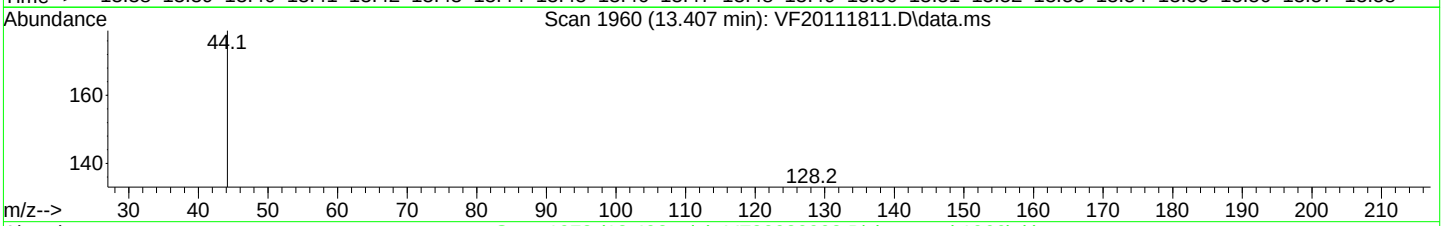
R = 1.71e-001 A*A + 2.24e+000 A - 9.38e-003
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w(1/a)
Method Name: Y:\METHODS\VF201119S.M
Calibration Table Last Updated: Thu Nov 19 16:49:05 2020

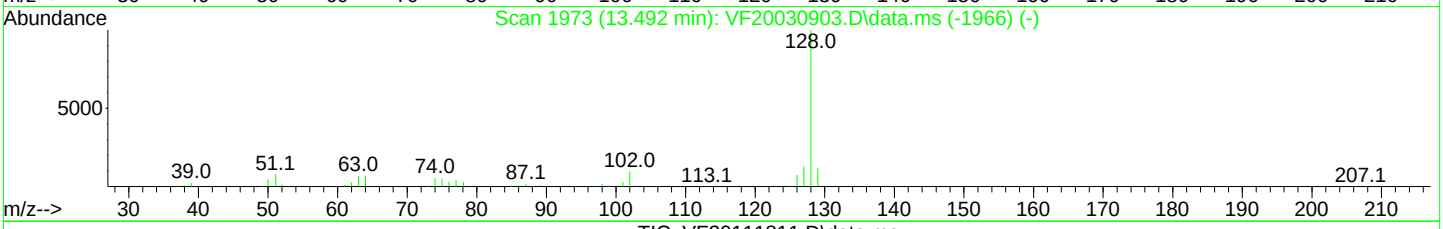
Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\REQUANT\
Data File : VF20111811.D
Acq On : 18 Nov 2020 9:42 pm
Operator : TNL
Sample : 0k18062-CAL6
Misc : 1X 5mL 5ppb DI+MeOH
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 19 16:30:04 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:15:03 2020
Response via : Initial Calibration







TIC: VF20111811.D\data.ms

(84) Naphthalene

13.407min (-0.024) 0.22 ug/L m

response 49

Ion	Exp%	Act%
128.05	100.00	100.00
102.05	8.50	0.00
64.05	6.40	0.00
0.00	0.00	0.00

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0K18062

Analysis Included
8260D Oxygenates
QC - 624x/8260x All Cpds for Studies

11/20/20 TNL

INSTRUMENT SEQUENCE LOG

SampleID	SampleName	Matrix	STDID	ISTD_ID	Analyzed
0K18062-TUN1	MS Tune	Soil		A20G347	11/18/2020 6:32:00PM
0K18062-ICB1	Initial Cal Blank	Soil		A20G347	11/18/2020 6:59:00PM
0K18062-CAL1	Cal Standard	Soil	A20K242	"	11/18/2020 7:26:00PM
0K18062-CAL2	Cal Standard	Soil	A20K243	"	11/18/2020 7:54:00PM
0K18062-CAL3	Cal Standard	Soil	A20K244	"	11/18/2020 8:21:00PM
0K18062-CAL4	Cal Standard	Soil	A20K245	"	11/18/2020 8:48:00PM
0K18062-CAL5	Cal Standard	Soil	A20K246	"	11/18/2020 9:15:00PM
0K18062-CAL6	Cal Standard	Soil	A20K247	"	11/18/2020 9:42:00PM
0K18062-CAL7	Cal Standard	Soil	A20K248	"	11/18/2020 10:10:00PM
0K18062-CAL8	Cal Standard	Soil	A20K249	"	11/18/2020 10:37:00PM
0K18062-CAL9	Cal Standard	Soil	A20K162	"	11/18/2020 11:04:00PM
0K18062-CALA	Cal Standard	Soil	A20K163	"	11/18/2020 11:58:00PM
0K18062-CALB	Cal Standard	Soil	A20K164	"	11/19/2020 12:52:00AM
0K18062-ICV1	Initial Cal Check	Soil	A20K165	"	11/19/2020 2:14:00AM

CALIBRATION STANDARD RECOVERIES

Calibration: **A0K1904** Instrument: **VOA-GCMS6**

8260D Oxygenates Sequence: **0K18062** Matrix: **Soil**

0K18062-CAL1	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
0K18062-CAL2	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
0K18062-CAL3	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
0K18062-CAL4	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
0K18062-CAL5	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
Acrylonitrile	2.0000	1.29	2.00	64	
Trichlorofluoromethane	2.0000	0.00	2.00	0	
0K18062-CAL6	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
Trichlorofluoromethane	2.0000	2.96	5.00	59	
0K18062-CAL7	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
Trichlorofluoromethane	2.0000	15.04	10.0	150	
0K18062-CAL8	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
0K18062-CAL9	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
0K18062-CALA	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**

ACRYLONITRILE LOW POINT IS 5PPB

CCl3F EST CAN'T PASS CAL CRITERIA

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0K18062

0K18062-CALB	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual

Compounds listed above have recalculated recoveries outside 70-130% of the true values, and the calibration levels are above the reporting level. If no compounds are listed, all are OK. Please see the next section for quadatic fit compounds.

Analytes With Quadratic Curve Fits

t-1,3DCP MDL/MRL 0.5PPB/1PPB INTERCEPT
1,1,1,2-tetra MDL/MRL 0.5PPB/1PPB INTERCEPT

Qualifier	iMDL	iMRL	Spike Amt	%Difference	OK?	Raise MRL to ?
					☐	☐ X

Analytes listed above have quadratic curve fits. If they are using a weighting otpion, they must be checked against the requanted curve points to determine if the recalculated results are within limits (70-130 or as specified).

ICV RECOVERIES

Calibration: **A0K1904** Instrument: **VOA-GCMS6**

QC - 624x/8260x All Cpds for Sequence: **0K18062** Matrix: **Soil**

0K18062-ICV1	Inst. MRL	ICV Level	Result	%Rec.	Qual
Dichlorodifluoromethane	2	20.0	**26.62**	133	E-05
Trichlorofluoromethane	2	20.0	**32.41**	162	EST

Compounds listed above have Initial Calibration Verification standard recoveries outside 70-130% of the true values. If no compounds are listed, all have passing recoveries.

Evaluate Continuing Calibration Report

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111821.D
Acq On : 19 Nov 2020 2:14 am
Operator : TNL
Sample : 0k18062-ICV1 11/20/20 TNL
Misc : 1X 5mL 20ppb DI+MeOH
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 19 17:17:05 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)	
1	I	Pentafluorobenzene (I)	50.000	50.000	0.0	106	0.00	
2		Dichlorodifluoromethane	20.000	26.616	-33.1#	150	0.00	E-05
3	P	Chloromethane	20.000	20.462	-2.3	124	0.00	
4	C	Vinyl Chloride	20.000	21.043	-5.2	115	0.00	
5		Bromomethane	20.000	15.754	21.2#	93	0.00	
6		Chloroethane	20.000	19.311	3.4	111	0.00	
7		Trichlorofluoromethane	20.000	32.412	-62.1#	167	0.00	EST
8		Ethanol	1250.000	1127.377	9.8	94	-0.02	
9	C	1,1-Dichloroethene	20.000	19.175	4.1	102	0.00	
10		Carbon Disulfide	20.000	21.787	-8.9	113	0.00	
11		Freon 113	20.000	21.131	-5.7	107	0.00	
12		Iodomethane	20.000	16.929	15.4	98	0.00	
13		Methylene Chloride	20.000	18.640	6.8	106	0.00	
14		Acetone	40.000	28.823	27.9#	89	0.00	
15		t-1,2-Dichloroethene	20.000	19.637	1.8	102	0.00	
16		n-Hexane	20.000	20.494	-2.5	107	0.00	
17		Methyl-tert-butyl-ether	20.000	19.812	0.9	104	0.00	
18		tert-Butanol (TBA)	1250.000	1216.297	2.7	93	-0.01	
19		Diisopropyl ether (DIPE)	5.000	4.660	6.8	97	0.00	
20	P	1,1-Dichloroethane	20.000	19.654	1.7	101	0.00	
21		Acrylonitrile	20.000	20.645	-3.2	101	0.00	
22		Ethyl-tert-butyl ether (ETB	5.000	4.811	3.8	98	0.00	
23		c-1,2-Dichloroethene	20.000	20.671	-3.4	103	0.00	
24		2,2-Dichloropropane	20.000	19.068	4.7	101	0.00	
25		Bromochloromethane	20.000	19.116	4.4	101	0.00	
26	C	Chloroform	20.000	19.868	0.7	105	0.00	
27		Carbon Tetrachloride	20.000	20.839	-4.2	105	0.00	
28		Tetrahydrofuran	20.000	18.502	7.5	93	0.00	
29		1,1,1-Trichloroethane	20.000	20.872	-4.4	104	0.00	
30	S	Dibromofluoromethane (S)	50.000	51.492	-3.0	107	0.00	
31		1,1-Dichloropropene	20.000	20.160	-0.8	104	0.00	
32		2-Butanone (MEK)	40.000	40.298	-0.7	99	0.00	
33		Benzene	20.000	19.599	2.0	104	-0.01	
34		tert-Amyl methyl ether (TAM	5.000	4.744	5.1	96	0.00	

Evaluate Continuing Calibration Report

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111821.D
Acq On : 19 Nov 2020 2:14 am
Operator : TNL
Sample : 0k18062-ICV1
Misc : 1X 5mL 20ppb DI+MeOH
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 19 17:17:05 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
35		1,2-Dichloroethane (EDC)	20.000	19.212	3.9	101	0.00
36		iso-Butyl Alcohol	500.000	473.189	5.4	98	0.00
37	S	1,4-Difluorobenzene (S)	50.000	50.038	-0.1	107	0.00
38		Trichloroethene (TCE)	20.000	20.910	-4.6	107	0.00
39		tert-Amyl ethyl ether (TAEE	5.000	5.124	-2.5	105	0.00
40		Dibromomethane	20.000	19.628	1.9	104	0.00
41	C	1,2-Dichloropropane	20.000	19.832	0.8	104	0.00
42		Bromodichloromethane	20.000	21.711	-8.6	106	0.00
43		Chlorobenzene-d5 (I)	50.000	50.000	0.0	106	0.00
44		c-1,3-Dichloropropene	20.000	19.249	3.8	106	0.00
45	S	Toluene-d8 (S)	50.000	49.844	0.3	107	0.00
46	C	Toluene	20.000	19.007	5.0	105	0.00
47		Tetrachloroethene (PCE)	20.000	20.926	-4.6	108	0.00
48		4-Methyl-2-Pentanone (MIBK)	40.000	40.382	-1.0	98	0.00
49		t-1,3-Dichloropropene	20.000	19.023	4.9	105	0.00
50		1,1,2-Trichloroethane	20.000	20.422	-2.1	105	0.00
51		Dibromochloromethane	20.000	19.263	3.7	109	0.00
52		1,3-Dichloropropane	20.000	20.174	-0.9	103	0.00
53		1,2-Dibromoethane (EDB)	20.000	20.867	-4.3	107	0.00
54		2-Hexanone	40.000	38.802	3.0	97	0.00
55	P	Chlorobenzene	20.000	19.809	1.0	107	0.00
56	C	Ethylbenzene	20.000	21.101	-5.5	105	-0.01
57		1,1,1,2-Tetrachloroethane	20.000	20.036	-0.2	109	0.00
58		m,p-Xylenes (2)	40.000	42.521	-6.3	106	0.00
59		o-Xylene	20.000	21.777	-8.9	106	0.00
60		Styrene	20.000	22.044	-10.2	109	0.00
61	P	Bromoform	20.000	18.700	6.5	110	0.00
62		Isopropylbenzene	20.000	22.070	-10.4	107	0.00
63	I	1,4-Dichlorobenzene-d4 (I)	50.000	50.000	0.0	106	0.00
64	S	4-Bromofluorobenzene (S)	50.000	50.557	-1.1	108	0.00
65		Bromobenzene	20.000	21.025	-5.1	107	0.00
66		n-Propylbenzene	20.000	20.662	-3.3	105	0.00

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111821.D
Acq On : 19 Nov 2020 2:14 am
Operator : TNL
Sample : 0k18062-ICV1
Misc : 1X 5mL 20ppb DI+MeOH
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 19 17:17:05 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
67 P	1,1,2,2-Tetrachloroethane	20.000	19.984	0.1	102	0.00
68	2-Chlorotoluene	20.000	21.451	-7.3	109	0.00
69	1,3,5-Trimethylbenzene	20.000	22.258	-11.3	107	0.00
70	1,2,3-Trichloropropane	20.000	20.171	-0.9	104	0.00
71	t-1,4-Dichloro-2-butene	20.000	18.642	6.8	108	0.00
72	4-Chlorotoluene	20.000	21.319	-6.6	101	-0.01
73	tert-Butylbenzene	20.000	21.366	-6.8	108	-0.01
74	1,2,4-Trimethylbenzene	20.000	21.898	-9.5	107	-0.01
75	sec-Butylbenzene	20.000	21.902	-9.5	108	0.00
76	4-Isopropyltoluene	20.000	22.021	-10.1	108	0.00
77	1,3-Dichlorobenzene	20.000	21.856	-9.3	109	-0.01
78	1,4-Dichlorobenzene	20.000	19.983	0.1	109	0.00
79	n-Butylbenzene	20.000	21.905	-9.5	107	-0.01
80	1,2-Dichlorobenzene	20.000	20.946	-4.7	106	0.00
81	1,2-Dibromo-3-Chloropropane	20.000	19.825	0.9	109	0.00
82	Hexachlorobutadiene	20.000	22.322	-11.6	115	0.00
83	1,2,4-Trichlorobenzene	20.000	21.021	-5.1	112	0.00
84	Naphthalene	20.000	19.966	0.2	108	0.00
85	1,2,3-Trichlorobenzene	20.000	21.573	-7.9	110	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Calibration Status Report VOA-GCMS6

Method Path : Y:\METHODS\
Method File : VF201119G.M
Title : NWTPH-Gx by GC/MS
Last Update : Thu Nov 19 14:37:04 2020
Response Via : Initial Calibration

11/20/20 TNL

#	ID	Conc	ISTD Conc	Path\File
1	1	50	50	Y:\DATA\2020-11\0K18062\VF20111827.D
2	2	100	50	Y:\DATA\2020-11\0K18062\VF20111828.D
3	3	250	50	Y:\DATA\2020-11\0K18062\VF20111829.D
4	4	500	50	Y:\DATA\2020-11\0K18062\VF20111830.D
5	5	1000	50	Y:\DATA\2020-11\0K18062\VF20111831.D
6	6	2500	50	Y:\DATA\2020-11\0K18062\VF20111832.D
7	7	5000	50	Y:\DATA\2020-11\0K18062\VF20111833.D
8	8	10000	50	Y:\DATA\2020-11\0K18062\VF20111834.D

#	ID	Update Time	Quant Time	Acquisition Time
1	1	Nov 19 14:37 2020	Nov 19 14:28 2020	19 Nov 2020 4:56 am
2	2	Nov 19 14:37 2020	Nov 19 14:30 2020	19 Nov 2020 5:23 am
3	3	Nov 19 14:37 2020	Nov 19 14:31 2020	19 Nov 2020 5:50 am
4	4	Nov 19 14:37 2020	Nov 19 14:32 2020	19 Nov 2020 6:18 am
5	5	Nov 19 14:37 2020	Nov 19 14:33 2020	19 Nov 2020 6:45 am
6	6	Nov 19 14:37 2020	Nov 19 14:33 2020	19 Nov 2020 7:12 am
7	7	Nov 19 14:37 2020	Nov 19 14:34 2020	19 Nov 2020 7:39 am
8	8	Nov 19 14:37 2020	Nov 19 14:35 2020	19 Nov 2020 8:06 am

VF201119G.M Thu Nov 19 17:04:46 2020

Response Factor Report VOA-GCMS6

Method Path : Y:\METHODS\
Method File : VF201119G.M
Title : NWTPH-Gx by GC/MS
Last Update : Thu Nov 19 14:37:04 2020
Response Via : Initial Calibration

Calibration Files
1 =VF20111827.D 2 =VF20111828.D 3 =VF20111829.D 4 =VF20111830.D 5 =VF20111831.D
6 =VF20111832.D 7 =VF20111833.D 8 =VF20111834.D

		Compound	1	2	3	4	5	6	7	8	Avg	%RSD
1)	I	Pentafluorobenzene...	----------ISTD----------									
2)	S	1,4-Difluorobe...	3.479	3.599	3.545	3.593	3.641	3.682	4.034		3.653	4.93
3)	S	4-Bromofluorob...	2.991	2.989	3.001	3.074	3.110	3.205	3.133	2.897	3.050	3.23
4)	S	Chlorobenzene-...									0.000	-1.00
5)	H	NWTPH-Gx	1.162	0.926	1.278	1.479	1.577	1.709	1.788	1.862	1.473	22.24
6)	H	TPHg (C5-C9)	3.111	2.034	1.862	1.871	1.913	1.922	1.969	2.039	2.090	20.00
7)	H	TPHg (C6-C10)	2.522	1.707	1.610	1.621	1.666	1.692	1.748	1.819	1.798	16.69
8)	H	CA-LUFT (C5-C12)	3.286	2.212	2.160	2.220	2.313	2.387	2.506	2.619	2.463	14.93
9)		Benzene (NR)									0.000	-1.00
10)	S	Toluene-d8 (NR)									0.000	-1.00
11)	C	Toluene (NR)									0.000	-1.00
12)	S	1,4-Dichlorobe...									0.000	-1.00
13)		Naphthalene (NR)									0.000	-1.00

(#) = Out of Range

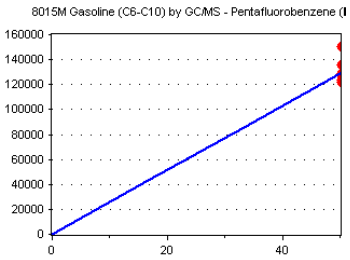
Element Calibration Review Sheet

Calibration ID: **A0K1904** Instrument: **VOA-GCMS6** Calibration Date: **11/19/2020**

Analysis: **8015M Gasoline (C6-C10) by** Instrument Cal ID: **VF201119G.M/VF201119S.M**

Pentafluorobenzene (IS)

Curve Fit: **AVERAGE RF**

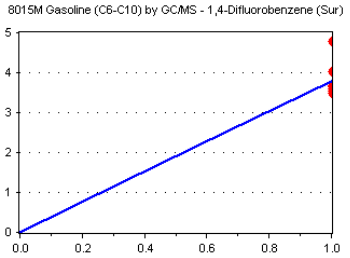


Standard	Concentration	Response	Response Factor	RT
0K18062-CALC	50	121907	2438.140	6.02
0K18062-CALD	50	122269	2445.380	6.02
0K18062-CALE	50	122137	2442.740	6.02
0K18062-CALF	50	123418	2468.360	6.02
0K18062-CALG	50	127015	2540.300	6.02
0K18062-CALH	50	128783	2575.660	6.02
0K18062-CALI	50	136091	2721.820	6.02
0K18062-CALJ	50	150388	3007.760	6.02

AVE RF **2580.020** RF RSD **7.67** AVE RT **6.02**

1,4-Difluorobenzene (Sur)

Curve Fit: **AVERAGE RF**

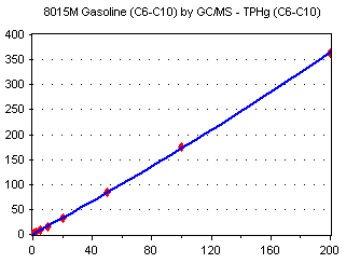


Standard	Concentration	Response	Response Factor	RT
0K18062-CALC	50	424132	3.479	6.58
0K18062-CALD	50	440029	3.599	6.58
0K18062-CALE	50	432953	3.545	6.58
0K18062-CALF	50	443498	3.593	6.58
0K18062-CALG	50	462484	3.641	6.58
0K18062-CALH	50	474171	3.682	6.58
0K18062-CALI	50	549051	4.034	6.58
0K18062-CALJ	50	720741	4.793	6.58

AVE RF **3.796** RF RSD **11.48** AVE RT **6.58**

TPHg (C6-C10)

Curve Fit: **QUADRATIC: Weighting: (1/a), Origin: Ignore**

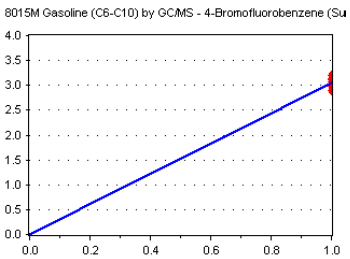


Standard	Concentration	Response	Response Factor	RT
0K18062-CALC	50	307399	2.522	9.75
0K18062-CALD	100	417517	1.707	9.75
0K18062-CALE	250	982914	1.610	9.75
0K18062-CALF	500	2000281	1.621	9.75
0K18062-CALG	1000	4232554	1.666	9.75
0K18062-CALH	2500	1.089213E+07	1.692	9.75
0K18062-CALI	5000	2.378809E+07	1.748	9.75
0K18062-CALJ	10000	5.470972E+07	1.819	9.75

AVE RF **1.798** RF RSD **16.69** AVE RT **9.75**

4-Bromofluorobenzene (Sur)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0K18062-CALC	50	364598	2.991	10.81
0K18062-CALD	50	365495	2.989	10.81
0K18062-CALE	50	366582	3.001	10.81
0K18062-CALF	50	379419	3.074	10.81
0K18062-CALG	50	395002	3.110	10.81
0K18062-CALH	50	412745	3.205	10.81
0K18062-CALI	50	426374	3.133	10.81
0K18062-CALJ	50	435711	2.897	10.81

AVE RF **3.050** RF RSD **3.23** AVE RT **10.81**

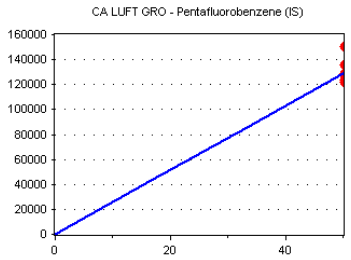
Element Calibration Review Sheet

Calibration ID: **A0K1904** Instrument: **VOA-GCMS6** Calibration Date: **11/19/2020**

Analysis: **CA LUFT GRO** Instrument Cal ID: **VF201119G.M/VF201119S.M**

Pentafluorobenzene (IS)

Curve Fit: **AVERAGE RF**

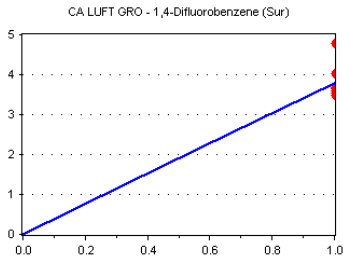


Standard	Concentration	Response	Response Factor	RT
0K18062-CALC	50	121907	2438.140	6.02
0K18062-CALD	50	122269	2445.380	6.02
0K18062-CALE	50	122137	2442.740	6.02
0K18062-CALF	50	123418	2468.360	6.02
0K18062-CALG	50	127015	2540.300	6.02
0K18062-CALH	50	128783	2575.660	6.02
0K18062-CALI	50	136091	2721.820	6.02
0K18062-CALJ	50	150388	3007.760	6.02

AVE RF **2580.020** RF RSD **7.67** AVE RT **6.02**

1,4-Difluorobenzene (Sur)

Curve Fit: **AVERAGE RF**

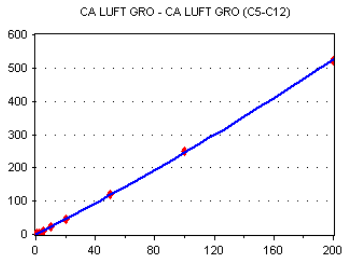


Standard	Concentration	Response	Response Factor	RT
0K18062-CALC	50	424132	3.479	6.58
0K18062-CALD	50	440029	3.599	6.58
0K18062-CALE	50	432953	3.545	6.58
0K18062-CALF	50	443498	3.593	6.58
0K18062-CALG	50	462484	3.641	6.58
0K18062-CALH	50	474171	3.682	6.58
0K18062-CALI	50	549051	4.034	6.58
0K18062-CALJ	50	720741	4.793	6.58

AVE RF **3.796** RF RSD **11.48** AVE RT **6.58**

CA LUFT GRO (C5-C12)

Curve Fit: **QUADRATIC: Weighting: (1/a), Origin: Ignore**

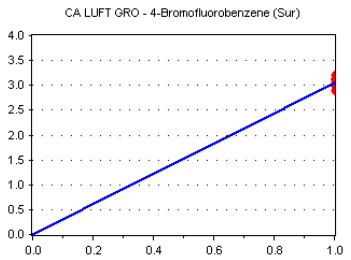


Standard	Concentration	Response	Response Factor	RT
0K18062-CALC	50	400645	3.286	9.75
0K18062-CALD	100	541031	2.212	9.75
0K18062-CALE	250	1319194	2.160	9.75
0K18062-CALF	500	2739362	2.220	9.75
0K18062-CALG	1000	5875079	2.313	9.75
0K18062-CALH	2500	1.536937E+07	2.387	9.75
0K18062-CALI	5000	3.410779E+07	2.506	9.75
0K18062-CALJ	10000	7.877069E+07	2.619	9.75

AVE RF **2.463** RF RSD **14.93** AVE RT **9.75**

4-Bromofluorobenzene (Sur)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0K18062-CALC	50	364598	2.991	10.81
0K18062-CALD	50	365495	2.989	10.81
0K18062-CALE	50	366582	3.001	10.81
0K18062-CALF	50	379419	3.074	10.81
0K18062-CALG	50	395002	3.110	10.81
0K18062-CALH	50	412745	3.205	10.81
0K18062-CALI	50	426374	3.133	10.81
0K18062-CALJ	50	435711	2.897	10.81

AVE RF **3.050** RF RSD **3.23** AVE RT **10.81**

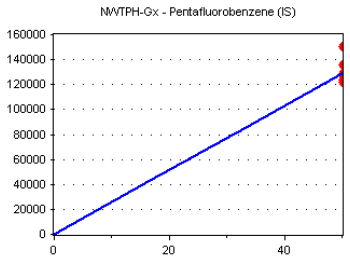
Element Calibration Review Sheet

Calibration ID: **A0K1904** Instrument: **VOA-GCMS6** Calibration Date: **11/19/2020**

Analysis: **NWTPH-Gx** Instrument Cal ID: **VF201119G.M/VF201119S.M**

Pentafluorobenzene (IS)

Curve Fit: **AVERAGE RF**

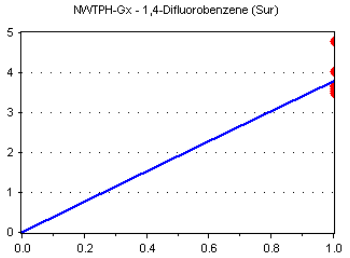


Standard	Concentration	Response	Response Factor	RT
0K18062-CALC	50	121907	2438.140	6.02
0K18062-CALD	50	122269	2445.380	6.02
0K18062-CALE	50	122137	2442.740	6.02
0K18062-CALF	50	123418	2468.360	6.02
0K18062-CALG	50	127015	2540.300	6.02
0K18062-CALH	50	128783	2575.660	6.02
0K18062-CALI	50	136091	2721.820	6.02
0K18062-CALJ	50	150388	3007.760	6.02

AVE RF **2580.020** RF RSD **7.67** AVE RT **6.02**

1,4-Difluorobenzene (Sur)

Curve Fit: **AVERAGE RF**

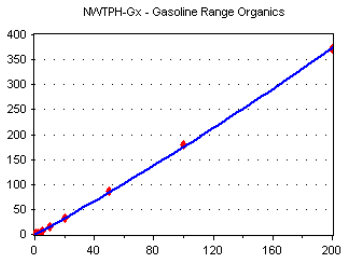


Standard	Concentration	Response	Response Factor	RT
0K18062-CALC	50	424132	3.479	6.58
0K18062-CALD	50	440029	3.599	6.58
0K18062-CALE	50	432953	3.545	6.58
0K18062-CALF	50	443498	3.593	6.58
0K18062-CALG	50	462484	3.641	6.58
0K18062-CALH	50	474171	3.682	6.58
0K18062-CALI	50	549051	4.034	6.58
0K18062-CALJ	50	720741	4.793	6.58

AVE RF **3.796** RF RSD **11.48** AVE RT **6.58**

Gasoline Range Organics

Curve Fit: **QUADRATIC: Weighting: (1/a), Origin: Ignore**

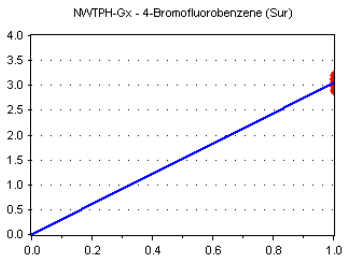


Standard	Concentration	Response	Response Factor	RT
0K18062-CALC	50	141613	1.162	9.75
0K18062-CALD	100	226544	0.926	9.75
0K18062-CALE	250	780509	1.278	9.75
0K18062-CALF	500	1824766	1.479	9.75
0K18062-CALG	1000	4007064	1.577	9.75
0K18062-CALH	2500	1.100501E+07	1.709	9.75
0K18062-CALI	5000	2.433602E+07	1.788	9.75
0K18062-CALJ	10000	5.599926E+07	1.862	9.75

AVE RF **1.473** RF RSD **22.24** AVE RT **9.75**

4-Bromofluorobenzene (Sur)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0K18062-CALC	50	364598	2.991	10.81
0K18062-CALD	50	365495	2.989	10.81
0K18062-CALE	50	366582	3.001	10.81
0K18062-CALF	50	379419	3.074	10.81
0K18062-CALG	50	395002	3.110	10.81
0K18062-CALH	50	412745	3.205	10.81
0K18062-CALI	50	426374	3.133	10.81
0K18062-CALJ	50	435711	2.897	10.81

AVE RF **3.050** RF RSD **3.23** AVE RT **10.81**

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0K18062 **Seq. Date: 11/19/2020**

SEQUENCE LOG

11/20/20 TNL

SampleID	Analysis	Matrix	STDID	Analyzed
0K18062-TUN2	8015M Gasoline (C6-C10) by GC/	Soil		11/19/2020 3:08:00AM
"	+CA LUFT GRO	"		"
"	+NWTPH-Gx	"		"
0K18062-ICB2	8015M Gasoline (C6-C10) by GC/	Soil		11/19/2020 3:35:00AM
"	+CA LUFT GRO	"		"
"	+NWTPH-Gx	"		"
0K18062-CALC	8015M Gasoline (C6-C10) by GC/	Soil	A20K166	11/19/2020 4:56:00AM
"	+CA LUFT GRO	"	A20K166	"
"	+NWTPH-Gx	"	A20K166	"
0K18062-CALD	8015M Gasoline (C6-C10) by GC/	Soil	A20K167	11/19/2020 5:23:00AM
"	+CA LUFT GRO	"	A20K167	"
"	+NWTPH-Gx	"	A20K167	"
0K18062-CALE	8015M Gasoline (C6-C10) by GC/	Soil	A20K168	11/19/2020 5:50:00AM
"	+CA LUFT GRO	"	A20K168	"
"	+NWTPH-Gx	"	A20K168	"
0K18062-CALF	8015M Gasoline (C6-C10) by GC/	Soil	A20K169	11/19/2020 6:18:00AM
"	+CA LUFT GRO	"	A20K169	"
"	+NWTPH-Gx	"	A20K169	"
0K18062-CALG	8015M Gasoline (C6-C10) by GC/	Soil	A20J323	11/19/2020 6:45:00AM
"	+CA LUFT GRO	"	A20J323	"
"	+NWTPH-Gx	"	A20J323	"
0K18062-CALH	8015M Gasoline (C6-C10) by GC/	Soil	A20J324	11/19/2020 7:12:00AM
"	+CA LUFT GRO	"	A20J324	"
"	+NWTPH-Gx	"	A20J324	"
0K18062-CALJ	8015M Gasoline (C6-C10) by GC/	Soil	A20J326	11/19/2020 8:06:00AM
"	+CA LUFT GRO	"	A20J326	"
"	+NWTPH-Gx	"	A20J326	"
0K18062-CALI	8015M Gasoline (C6-C10) by GC/	Soil	A20J325	11/19/2020 7:39:00AM
"	+CA LUFT GRO	"	A20J325	"
"	+NWTPH-Gx	"	A20J325	"
0K18062-ICV2	8015M Gasoline (C6-C10) by GC/	Soil	A20J406	11/19/2020 9:27:00AM
"	+CA LUFT GRO	"	A20J406	"
"	+NWTPH-Gx	"	A20J406	"

CALIBRATION STANDARD RECOVERIES

Calibration: **A0K1904** Instrument: **VOA-GCMS6**

8015M Gasoline (C6-C10) by Sequence: **0K18062** Matrix: **Soil**

0K18062-CALC	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
0K18062-CALD	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
0K18062-CALE	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
0K18062-CALF	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0K18062 **Seq. Date: 11/19/2020**

0K18062-CALG	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
0K18062-CALH	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
0K18062-CALI	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
0K18062-CALJ	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**

Compounds listed above have recalculated recoveries outside 85-115% of the true values, and the calibration levels are above the reporting level. If no compounds are listed, all are OK. Please see the next section for quadatic fit compounds.

Analytes With Quadratic Curve Fits

Qualifier	MRL	Recalc Value	OK?	Raise MRL to ?
		_____	☐	☐ _____

Analytes listed above have quadratic curve fits. If they are using a weighting otpion, they must be checked against the requanted curve points to determine if the recalculated results are within limits (85-115 or as specified).

ICV RECOVERIES

Calibration: **A0K1904** Instrument: **VOA-GCMS6**

NWTPH-Gx Sequence: **0K18062** Matrix: **Soil**

0K18062-ICV2	**Inst. MRL**	**ICV Level**	**Result**	**%Rec.**	**Qual**

Compounds listed above have Initial Calibration Verification standard recoveries outside 70-130% of the true values. If no compounds are listed, all have passing recoveries.

Evaluate Continuing Calibration Report

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111837.D
Acq On : 19 Nov 2020 9:27 am
Operator : TNL
Sample : 0k18062-ICV2
Misc : 1X 5mL 500ppb GX DI+MeOH
ALS Vial : 37 Sample Multiplier: 1

11/20/20 TNL

Quant Time: Nov 19 17:21:29 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Nov 19 14:37:04 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene (IS)	50.000	50.000	0.0	119	0.00
2	S	1,4-Difluorobenzene (Sur)	50.000	48.673	2.7	118	0.00
3	S	4-Bromofluorobenzene (Sur)	50.000	49.147	1.7	116	0.00
4	S	Chlorobenzene-d5 (NR)	-1.000	0.000	0.0	118	0.00
5	H	NWTPH-Gx	500.000	459.781	8.0	115	0.00
6	H	TPHg (C5-C9)	500.000	472.559	5.5	117	0.00
7	H	TPHg (C6-C10)	500.000	461.642	7.7	115	0.00
8	H	CA-LUFT (C5-C12)	500.000	465.473	6.9	117	0.00
9		Benzene (NR)	-1.000	0.000	0.0	123	0.00
10	S	Toluene-d8 (NR)	-1.000	0.000	0.0	123	0.00
11	C	Toluene (NR)	-1.000	0.000	0.0	113	0.00
12	S	1,4-Dichlorobenzene-d4 (NR)	-1.000	0.000	0.0	115	0.00
13		Naphthalene (NR)	-1.000	0.000	0.0	0	-13.44#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Injection Log

Data Directory: Y:\DATA\2020-11\0K18062\

File ID	SampleName	MiscInfo	Vial	Dil.	Injection Time
VF20111801.D	0k18062-IBL1	1X 5mL DI+MeOH	1	1	18 Nov 2020 5:10 pm
VF20111802.D	0k18062-IBL2	1X 5mL DI+MeOH	2	1	18 Nov 2020 5:38 pm
VF20111803.D	0k18062-IBL3	1X 5mL DI+MeOH	3	1	18 Nov 2020 6:05 pm
VF20111804.D	0k18062-TUN1	A20G253 IS/SURR DI	4	1	18 Nov 2020 6:32 pm
VF20111805.D	0k18062-ICB1	1X 5mL DI+MeOH	5	1	18 Nov 2020 6:59 pm
VF20111806.D	0k18062-CAL1	1X 5mL 0.1ppb DI+MeO	6	1	18 Nov 2020 7:26 pm
VF20111807.D	0k18062-CAL2	1X 5mL 0.2ppb DI+MeO	7	1	18 Nov 2020 7:54 pm
VF20111808.D	0k18062-CAL3	1X 5mL 0.4ppb DI+MeO	8	1	18 Nov 2020 8:21 pm
VF20111809.D	0k18062-CAL4	1X 5mL 1ppb DI+MeOH	9	1	18 Nov 2020 8:48 pm
VF20111810.D	0k18062-CAL5	1X 5mL 2ppb DI+MeOH	10	1	18 Nov 2020 9:15 pm
VF20111811.D	0k18062-CAL6	1X 5mL 5ppb DI+MeOH	11	1	18 Nov 2020 9:42 pm
VF20111812.D	0k18062-CAL7	1X 5mL 10ppb DI+MeOH	12	1	18 Nov 2020 10:10 pm
VF20111813.D	0k18062-CAL8	1X 5mL 20ppb DI+MeOH	13	1	18 Nov 2020 10:37 pm
VF20111814.D	0k18062-CAL9	1X 5mL 50ppb DI+MeOH	14	1	18 Nov 2020 11:04 pm
VF20111815.D	0k18062-IBL4	1X 5mL DI+MeOH	15	1	18 Nov 2020 11:31 pm
VF20111816.D	0k18062-CALA	1X 5mL 100ppb DI+MeO	16	1	18 Nov 2020 11:58 pm
VF20111817.D	0k18062-IBL5	1X 5mL DI+MeOH	17	1	19 Nov 2020 12:25 am
VF20111818.D	0k18062-CALB	1X 5mL 200ppb DI+MeO	18	1	19 Nov 2020 12:52 am
VF20111819.D	0k18062-IBL6	1X 5mL DI+MeOH	19	1	19 Nov 2020 1:20 am
VF20111820.D	0k18062-IBL7	1X 5mL DI+MeOH	20	1	19 Nov 2020 1:47 am
VF20111821.D	0k18062-ICV1	1X 5mL 20ppb DI+MeOH	21	1	19 Nov 2020 2:14 am
VF20111822.D	0k18062-IBL8	1X 5mL DI+MeOH	22	1	19 Nov 2020 2:41 am
VF20111823.D	0k18062-TUN2	A20G253 IS/SURR DI	23	1	19 Nov 2020 3:08 am
VF20111824.D	0k18062-ICB2	1X 5mL DI+MeOH	24	1	19 Nov 2020 3:35 am
VF20111825.D	0k18062-RT1	1X 5mL A20I121 DI+M	25	1	19 Nov 2020 4:02 am
VF20111826.D	0k18062-IBL9	1X 5mL DI+MeOH	26	1	19 Nov 2020 4:29 am
VF20111827.D	0k18062-CALC	1X 5mL 50ppb GX DI+M	27	1	19 Nov 2020 4:56 am
VF20111828.D	0k18062-CALD	1X 5mL 100ppb GX DI+	28	1	19 Nov 2020 5:23 am
VF20111829.D	0k18062-CALE	1X 5mL 250ppb GX DI+	29	1	19 Nov 2020 5:50 am
VF20111830.D	0k18062-CALF	1X 5mL 500ppb GX DI+	30	1	19 Nov 2020 6:18 am
VF20111831.D	0k18062-CALG	1X 5mL 1000ppb GX DI	31	1	19 Nov 2020 6:45 am
VF20111832.D	0k18062-CALH	1X 5mL 2500ppb GX DI	32	1	19 Nov 2020 7:12 am
VF20111833.D	0k18062-CALI	1X 5mL 5000ppb GX DI	33	1	19 Nov 2020 7:39 am
VF20111834.D	0k18062-CALJ	1X 5mL 10000ppb GX D	34	1	19 Nov 2020 8:06 am
VF20111835.D	0k18062-IBLA	1X 5mL DI+MeOH	35	1	19 Nov 2020 8:33 am
VF20111836.D	0k18062-IBLB	1X 5mL DI+MeOH	36	1	19 Nov 2020 9:00 am
VF20111837.D	0k18062-ICV2	1X 5mL 500ppb GX DI+	37	1	19 Nov 2020 9:27 am
VF20111838.D	0k18062-IBLC	1X 5mL DI+MeOH	38	1	19 Nov 2020 9:54 am

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111801.D
Acq On : 18 Nov 2020 5:10 pm
Operator : TNL
Sample : 0k18062-IBL1
Misc : 1X 5mL DI+MeOH
ALS Vial : 1 Sample Multiplier: 1

11/20/20 TNL

Quant Time: Nov 19 17:07:41 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.018	99	94452	50.00	ug/L		0.00
43) Chlorobenzene-d5 (I)	9.740	117	260083	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.692	152	108424	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.532	111	80714	49.29	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.578	114	297157	50.98	ug/L		0.00
45) Toluene-d8 (S)	8.086	98	384617	51.50	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.810	174	96822	51.32	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.			
3) Chloromethane	0.000		0	N.D.			
4) Vinyl Chloride	0.000		0	N.D.			
5) Bromomethane	2.260	96	277	0.24	ug/L		92
6) Chloroethane	0.000		0	N.D.			
7) Trichlorofluoromethane	0.000		0	N.D.			
8) Ethanol	3.184	45	127	5.67	ug/L	#	29
9) 1,1-Dichloroethene	0.000		0	N.D.			
10) Carbon Disulfide	0.000		0	N.D.			
11) Freon 113	0.000		0	N.D.			
12) Iodomethane	0.000		0	N.D.			
13) Methylene Chloride	3.713	84	1902	1.02	ug/L		92
14) Acetone	3.799	43	1494	2.56	ug/L		93
15) t-1,2-Dichloroethene	0.000		0	N.D.			
16) n-Hexane	0.000		0	N.D.			
17) Methyl-tert-butyl-ether	0.000		0	N.D.			
18) tert-Butanol (TBA)	4.194	59	271	1.14	ug/L	#	46
19) Diisopropyl ether (DIPE)	0.000		0	N.D.			
20) 1,1-Dichloroethane	0.000		0	N.D.			
21) Acrylonitrile	0.000		0	N.D.			
22) Ethyl-tert-butyl ether...	0.000		0	N.D.			
23) c-1,2-Dichloroethene	0.000		0	N.D.			
24) 2,2-Dichloropropane	0.000		0	N.D.			
25) Bromochloromethane	0.000		0	N.D.			
26) Chloroform	0.000		0	N.D.			
27) Carbon Tetrachloride	0.000		0	N.D.			

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111801.D
Acq On : 18 Nov 2020 5:10 pm
Operator : TNL
Sample : 0k18062-IBL1
Misc : 1X 5mL DI+MeOH
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 19 17:07:41 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
28) Tetrahydrofuran	0.000		0	N.D.			
29) 1,1,1-Trichloroethane	0.000		0	N.D.			
31) 1,1-Dichloropropene	0.000		0	N.D.			
32) 2-Butanone (MEK)	0.000		0	N.D.			
33) Benzene	0.000		0	N.D.			
34) tert-Amyl methyl ether...	0.000		0	N.D.			
35) 1,2-Dichloroethane (EDC)	0.000		0	N.D.			
36) iso-Butyl Alcohol	0.000		0	N.D.			
38) Trichloroethene (TCE)	0.000		0	N.D.			
39) tert-Amyl ethyl ether ...	0.000		0	N.D.			
40) Dibromomethane	0.000		0	N.D.			
41) 1,2-Dichloropropane	0.000		0	N.D.			
42) Bromodichloromethane	0.000		0	N.D.			
44) c-1,3-Dichloropropene	0.000		0	N.D.			
46) Toluene	0.000		0	N.D.			
47) Tetrachloroethene (PCE)	0.000		0	N.D.			
48) 4-Methyl-2-Pentanone (...	0.000		0	N.D.			
49) t-1,3-Dichloropropene	0.000		0	N.D.			
50) 1,1,2-Trichloroethane	0.000		0	N.D.			
51) Dibromochloromethane	0.000		0	N.D.			
52) 1,3-Dichloropropane	0.000		0	N.D.			
53) 1,2-Dibromoethane (EDB)	0.000		0	N.D.			
54) 2-Hexanone	0.000		0	N.D.			
55) Chlorobenzene	0.000		0	N.D.			
56) Ethylbenzene	9.734	91	500	0.06	ug/L	#	1
57) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.			
58) m,p-Xylenes (2)	0.000		0	N.D.			
59) o-Xylene	0.000		0	N.D.			
60) Styrene	0.000		0	N.D.			
61) Bromoform	0.000		0	N.D.			
62) Isopropylbenzene	0.000		0	N.D.			
65) Bromobenzene	0.000		0	N.D.			
66) n-Propylbenzene	10.810	91	206	0.03	ug/L		56
67) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.			
68) 2-Chlorotoluene	0.000		0	N.D.			
69) 1,3,5-Trimethylbenzene	0.000		0	N.D.			
70) 1,2,3-Trichloropropane	0.000		0	N.D.			
71) t-1,4-Dichloro-2-butene	0.000		0	N.D.			

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111801.D
Acq On : 18 Nov 2020 5:10 pm
Operator : TNL
Sample : 0k18062-IBL1
Misc : 1X 5mL DI+MeOH
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 19 17:07:41 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration

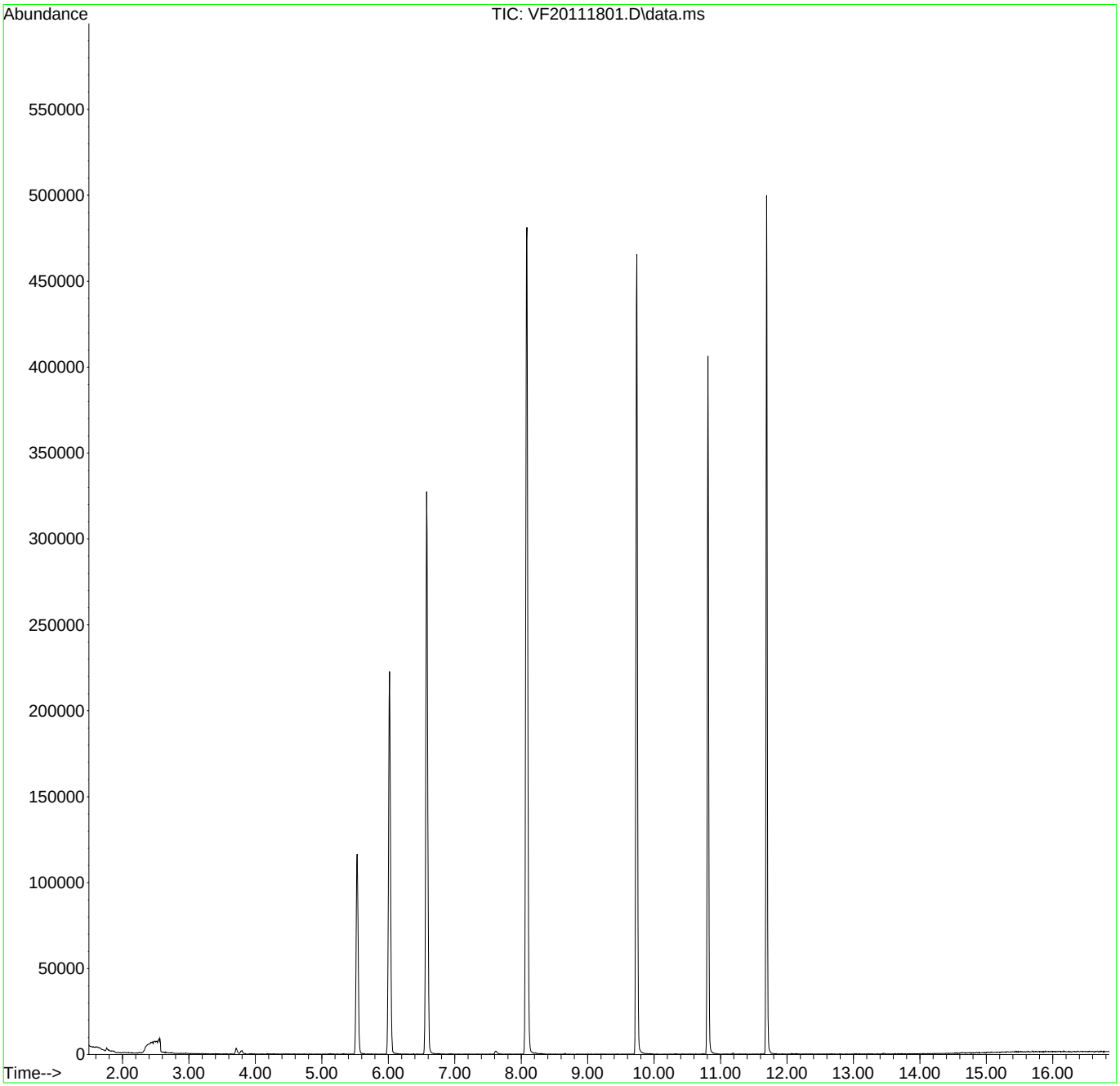
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 4-Chlorotoluene	0.000		0	N.D.		
73) tert-Butylbenzene	0.000		0	N.D.		
74) 1,2,4-Trimethylbenzene	0.000		0	N.D.		
75) sec-Butylbenzene	0.000		0	N.D.		
76) 4-Isopropyltoluene	0.000		0	N.D.		
77) 1,3-Dichlorobenzene	0.000		0	N.D.		
78) 1,4-Dichlorobenzene	0.000		0	N.D.		
79) n-Butylbenzene	0.000		0	N.D.		
80) 1,2-Dichlorobenzene	0.000		0	N.D.		
81) 1,2-Dibromo-3-Chloropr...	0.000		0	N.D.		
82) Hexachlorobutadiene	0.000		0	N.D.		
83) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
84) Naphthalene	0.000		0	N.D.		
85) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111801.D
Acq On : 18 Nov 2020 5:10 pm
Operator : TNL
Sample : 0k18062-IBL1
Misc : 1X 5mL DI+MeOH
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 19 17:07:41 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111802.D
Acq On : 18 Nov 2020 5:38 pm
Operator : TNL
Sample : 0k18062-IBL2
Misc : 1X 5mL DI+MeOH
ALS Vial : 2 Sample Multiplier: 1

11/20/20 TNL

Quant Time: Nov 19 17:07:47 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (I)	6.020	99	90657	50.00	ug/L	0.00
43) Chlorobenzene-d5 (I)	9.736	117	249747	50.00	ug/L	0.00
63) 1,4-Dichlorobenzene-d4...	11.694	152	107023	50.00	ug/L	0.00
System Monitoring Compounds						
30) Dibromofluoromethane (S)	5.534	111	76148	48.44	ug/L	0.00
37) 1,4-Difluorobenzene (S)	6.580	114	287778	51.43	ug/L	0.00
45) Toluene-d8 (S)	8.082	98	368240	51.35	ug/L	0.00
64) 4-Bromofluorobenzene (S)	10.812	174	92934	49.91	ug/L	0.00
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	0.000		0	N.D.		
4) Vinyl Chloride	0.000		0	N.D.		
5) Bromomethane	2.256	96	223	0.20	ug/L	91
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethanol	0.000		0	N.D.		
9) 1,1-Dichloroethene	0.000		0	N.D.		
10) Carbon Disulfide	0.000		0	N.D.		
11) Freon 113	0.000		0	N.D.		
12) Iodomethane	0.000		0	N.D.		
13) Methylene Chloride	3.716	84	2067	1.16	ug/L	93
14) Acetone	3.807	43	1150	2.06	ug/L	95
15) t-1,2-Dichloroethene	0.000		0	N.D.		
16) n-Hexane	0.000		0	N.D.		
17) Methyl-tert-butyl-ether	0.000		0	N.D.		
18) tert-Butanol (TBA)	0.000		0	N.D.		
19) Diisopropyl ether (DIPE)	0.000		0	N.D.		
20) 1,1-Dichloroethane	0.000		0	N.D.		
21) Acrylonitrile	0.000		0	N.D.		
22) Ethyl-tert-butyl ether...	0.000		0	N.D.		
23) c-1,2-Dichloroethene	0.000		0	N.D.		
24) 2,2-Dichloropropane	0.000		0	N.D.		
25) Bromochloromethane	0.000		0	N.D.		
26) Chloroform	0.000		0	N.D.		
27) Carbon Tetrachloride	0.000		0	N.D.		

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111802.D
Acq On : 18 Nov 2020 5:38 pm
Operator : TNL
Sample : 0k18062-IBL2
Misc : 1X 5mL DI+MeOH
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 17:07:47 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
28) Tetrahydrofuran	0.000		0	N.D.			
29) 1,1,1-Trichloroethane	0.000		0	N.D.			
31) 1,1-Dichloropropene	0.000		0	N.D.			
32) 2-Butanone (MEK)	0.000		0	N.D.			
33) Benzene	0.000		0	N.D.			
34) tert-Amyl methyl ether...	0.000		0	N.D.			
35) 1,2-Dichloroethane (EDC)	0.000		0	N.D.			
36) iso-Butyl Alcohol	0.000		0	N.D.			
38) Trichloroethene (TCE)	0.000		0	N.D.			
39) tert-Amyl ethyl ether ...	0.000		0	N.D.			
40) Dibromomethane	0.000		0	N.D.			
41) 1,2-Dichloropropane	0.000		0	N.D.			
42) Bromodichloromethane	0.000		0	N.D.			
44) c-1,3-Dichloropropene	0.000		0	N.D.			
46) Toluene	0.000		0	N.D.			
47) Tetrachloroethene (PCE)	0.000		0	N.D.			
48) 4-Methyl-2-Pentanone (...	0.000		0	N.D.			
49) t-1,3-Dichloropropene	0.000		0	N.D.			
50) 1,1,2-Trichloroethane	0.000		0	N.D.			
51) Dibromochloromethane	0.000		0	N.D.			
52) 1,3-Dichloropropane	0.000		0	N.D.			
53) 1,2-Dibromoethane (EDB)	0.000		0	N.D.			
54) 2-Hexanone	0.000		0	N.D.			
55) Chlorobenzene	0.000		0	N.D.			
56) Ethylbenzene	9.742	91	463	0.06	ug/L	#	1
57) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.			
58) m,p-Xylenes (2)	0.000		0	N.D.			
59) o-Xylene	0.000		0	N.D.			
60) Styrene	0.000		0	N.D.			
61) Bromoform	0.000		0	N.D.			
62) Isopropylbenzene	0.000		0	N.D.			
65) Bromobenzene	0.000		0	N.D.			
66) n-Propylbenzene	10.806	91	293	0.04	ug/L		56
67) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.			
68) 2-Chlorotoluene	0.000		0	N.D.			
69) 1,3,5-Trimethylbenzene	0.000		0	N.D.			
70) 1,2,3-Trichloropropane	0.000		0	N.D.			
71) t-1,4-Dichloro-2-butene	0.000		0	N.D.			

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111802.D
Acq On : 18 Nov 2020 5:38 pm
Operator : TNL
Sample : 0k18062-IBL2
Misc : 1X 5mL DI+MeOH
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 17:07:47 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration

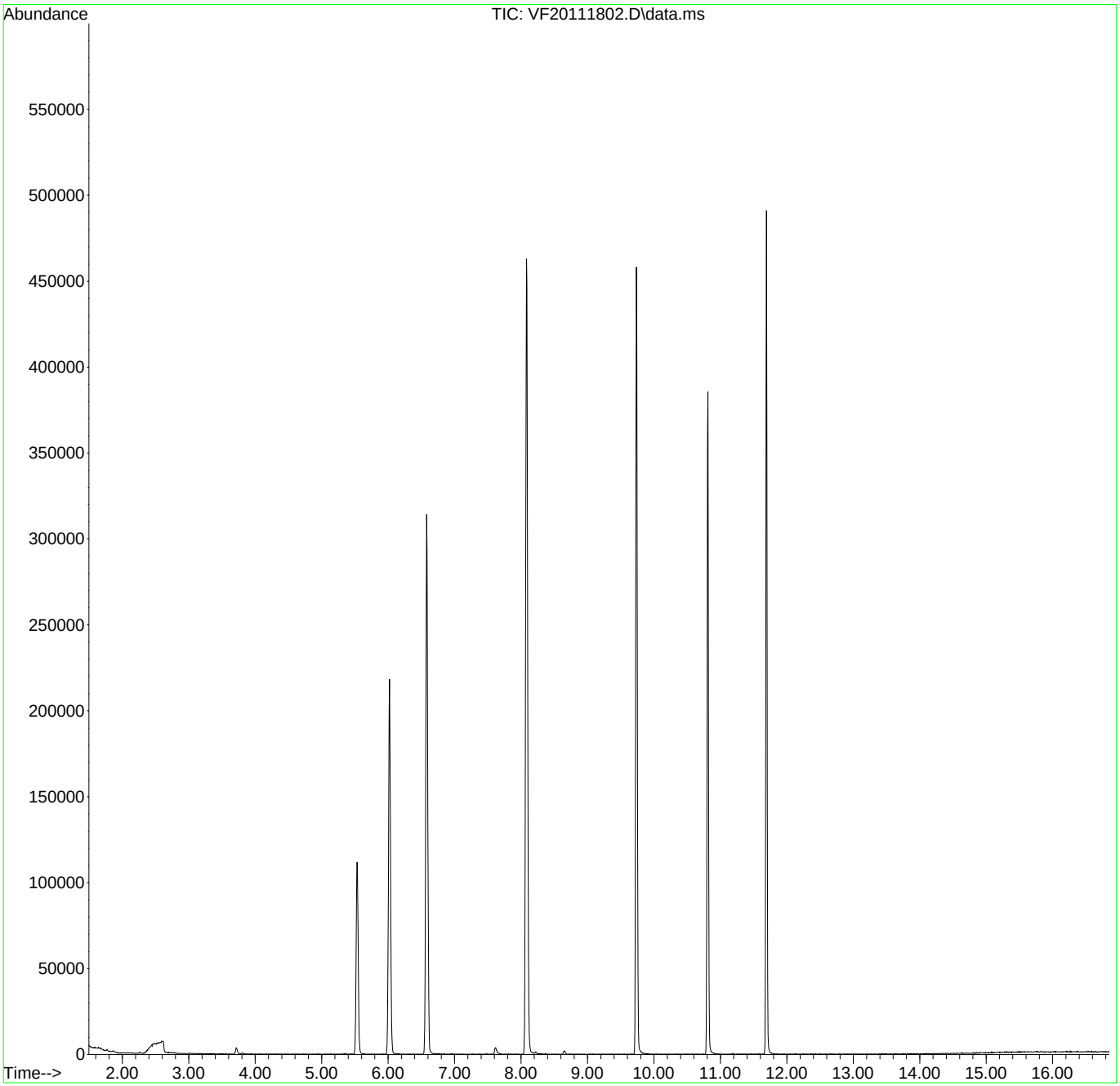
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 4-Chlorotoluene	0.000		0	N.D.		
73) tert-Butylbenzene	0.000		0	N.D.		
74) 1,2,4-Trimethylbenzene	0.000		0	N.D.		
75) sec-Butylbenzene	0.000		0	N.D.		
76) 4-Isopropyltoluene	0.000		0	N.D.		
77) 1,3-Dichlorobenzene	0.000		0	N.D.		
78) 1,4-Dichlorobenzene	0.000		0	N.D.		
79) n-Butylbenzene	0.000		0	N.D.		
80) 1,2-Dichlorobenzene	0.000		0	N.D.		
81) 1,2-Dibromo-3-Chloropr...	0.000		0	N.D.		
82) Hexachlorobutadiene	0.000		0	N.D.		
83) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
84) Naphthalene	0.000		0	N.D.		
85) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111802.D
Acq On : 18 Nov 2020 5:38 pm
Operator : TNL
Sample : 0k18062-IBL2
Misc : 1X 5mL DI+MeOH
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 19 17:07:47 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111803.D
Acq On : 18 Nov 2020 6:05 pm
Operator : TNL
Sample : 0k18062-IBL3 11/20/20 TNL
Misc : 1X 5mL DI+MeOH
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 19 17:07:53 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (I)	6.025	99	86139	50.00	ug/L	0.00
43) Chlorobenzene-d5 (I)	9.740	117	235910	50.00	ug/L	0.00
63) 1,4-Dichlorobenzene-d4...	11.692	152	98316	50.00	ug/L	0.00
System Monitoring Compounds						
30) Dibromofluoromethane (S)	5.538	111	71989	48.20	ug/L	0.00
37) 1,4-Difluorobenzene (S)	6.584	114	272597	51.28	ug/L	0.00
45) Toluene-d8 (S)	8.086	98	346319	51.13	ug/L	0.00
64) 4-Bromofluorobenzene (S)	10.811	174	87104	50.92	ug/L	0.00
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	0.000		0	N.D.		
4) Vinyl Chloride	0.000		0	N.D.		
5) Bromomethane	2.260	96	171	0.16	ug/L	86
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethanol	0.000		0	N.D.		
9) 1,1-Dichloroethene	0.000		0	N.D.		
10) Carbon Disulfide	0.000		0	N.D.		
11) Freon 113	0.000		0	N.D.		
12) Iodomethane	0.000		0	N.D.		
13) Methylene Chloride	3.720	84	1822	1.08	ug/L	92
14) Acetone	3.805	43	1337	2.52	ug/L	97
15) t-1,2-Dichloroethene	0.000		0	N.D.		
16) n-Hexane	0.000		0	N.D.		
17) Methyl-tert-butyl-ether	0.000		0	N.D.		
18) tert-Butanol (TBA)	0.000		0	N.D.		
19) Diisopropyl ether (DIPE)	0.000		0	N.D.		
20) 1,1-Dichloroethane	0.000		0	N.D.		
21) Acrylonitrile	0.000		0	N.D.		
22) Ethyl-tert-butyl ether...	0.000		0	N.D.		
23) c-1,2-Dichloroethene	0.000		0	N.D.		
24) 2,2-Dichloropropane	0.000		0	N.D.		
25) Bromochloromethane	0.000		0	N.D.		
26) Chloroform	0.000		0	N.D.		
27) Carbon Tetrachloride	0.000		0	N.D.		

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111803.D
Acq On : 18 Nov 2020 6:05 pm
Operator : TNL
Sample : 0k18062-IBL3
Misc : 1X 5mL DI+MeOH
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 19 17:07:53 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
28) Tetrahydrofuran	0.000		0	N.D.			
29) 1,1,1-Trichloroethane	0.000		0	N.D.			
31) 1,1-Dichloropropene	0.000		0	N.D.			
32) 2-Butanone (MEK)	0.000		0	N.D.			
33) Benzene	0.000		0	N.D.			
34) tert-Amyl methyl ether...	0.000		0	N.D.			
35) 1,2-Dichloroethane (EDC)	0.000		0	N.D.			
36) iso-Butyl Alcohol	0.000		0	N.D.			
38) Trichloroethene (TCE)	0.000		0	N.D.			
39) tert-Amyl ethyl ether ...	0.000		0	N.D.			
40) Dibromomethane	0.000		0	N.D.			
41) 1,2-Dichloropropane	0.000		0	N.D.			
42) Bromodichloromethane	0.000		0	N.D.			
44) c-1,3-Dichloropropene	0.000		0	N.D.			
46) Toluene	0.000		0	N.D.			
47) Tetrachloroethene (PCE)	0.000		0	N.D.			
48) 4-Methyl-2-Pentanone (...	0.000		0	N.D.			
49) t-1,3-Dichloropropene	0.000		0	N.D.			
50) 1,1,2-Trichloroethane	0.000		0	N.D.			
51) Dibromochloromethane	0.000		0	N.D.			
52) 1,3-Dichloropropane	0.000		0	N.D.			
53) 1,2-Dibromoethane (EDB)	0.000		0	N.D.			
54) 2-Hexanone	0.000		0	N.D.			
55) Chlorobenzene	0.000		0	N.D.			
56) Ethylbenzene	9.734	91	400	0.05	ug/L	#	1
57) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.			
58) m,p-Xylenes (2)	0.000		0	N.D.			
59) o-Xylene	0.000		0	N.D.			
60) Styrene	0.000		0	N.D.			
61) Bromoform	0.000		0	N.D.			
62) Isopropylbenzene	0.000		0	N.D.			
65) Bromobenzene	0.000		0	N.D.			
66) n-Propylbenzene	10.804	91	201	0.03	ug/L	#	28
67) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.			
68) 2-Chlorotoluene	0.000		0	N.D.			
69) 1,3,5-Trimethylbenzene	0.000		0	N.D.			
70) 1,2,3-Trichloropropane	0.000		0	N.D.			
71) t-1,4-Dichloro-2-butene	0.000		0	N.D.			

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111803.D
Acq On : 18 Nov 2020 6:05 pm
Operator : TNL
Sample : 0k18062-IBL3
Misc : 1X 5mL DI+MeOH
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 19 17:07:53 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration

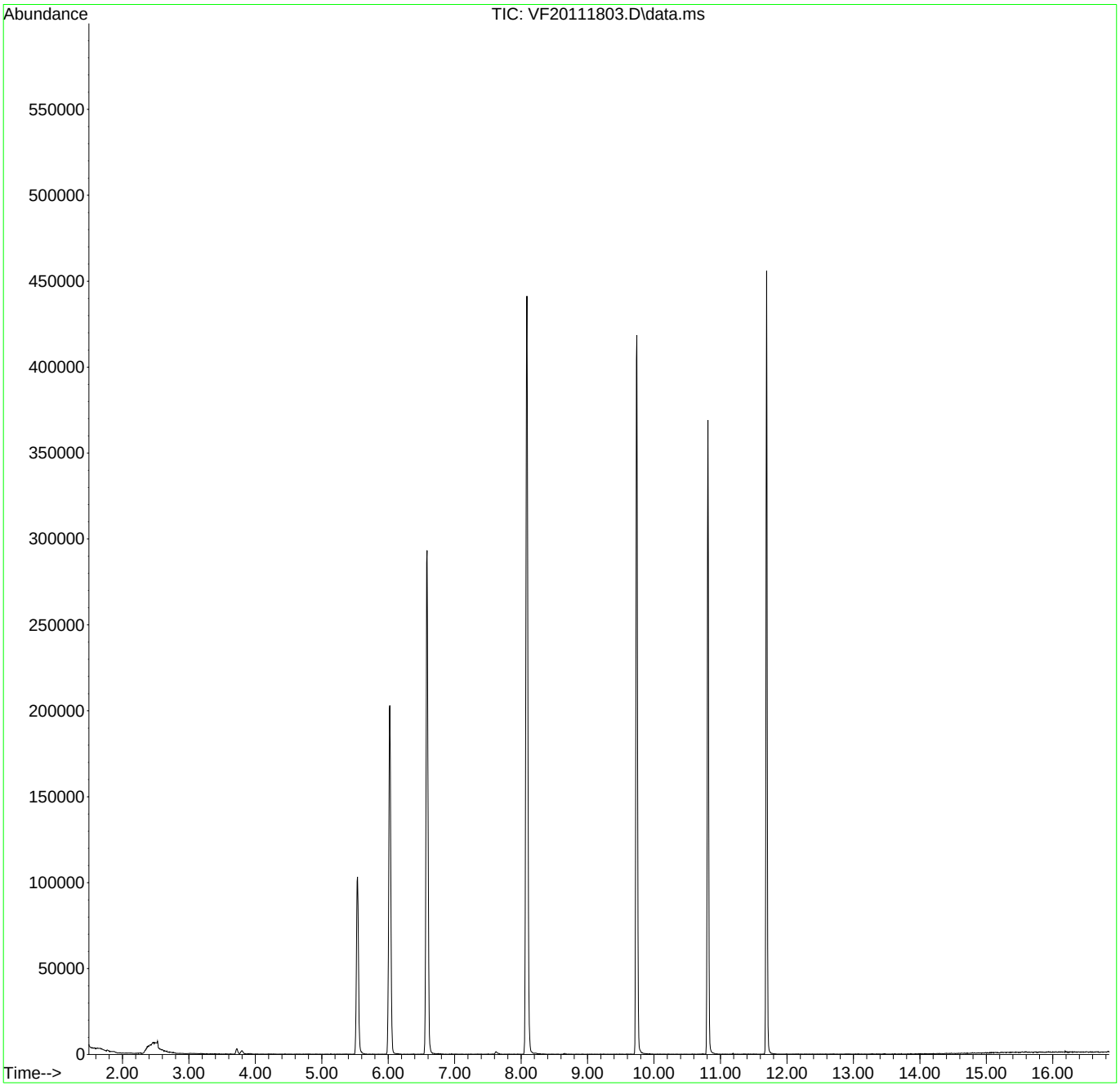
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 4-Chlorotoluene	0.000		0	N.D.		
73) tert-Butylbenzene	0.000		0	N.D.		
74) 1,2,4-Trimethylbenzene	0.000		0	N.D.		
75) sec-Butylbenzene	0.000		0	N.D.		
76) 4-Isopropyltoluene	0.000		0	N.D.		
77) 1,3-Dichlorobenzene	0.000		0	N.D.		
78) 1,4-Dichlorobenzene	0.000		0	N.D.		
79) n-Butylbenzene	0.000		0	N.D.		
80) 1,2-Dichlorobenzene	0.000		0	N.D.		
81) 1,2-Dibromo-3-Chloropr...	0.000		0	N.D.		
82) Hexachlorobutadiene	0.000		0	N.D.		
83) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
84) Naphthalene	0.000		0	N.D.		
85) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111803.D
Acq On : 18 Nov 2020 6:05 pm
Operator : TNL
Sample : 0k18062-IBL3
Misc : 1X 5mL DI+MeOH
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 19 17:07:53 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration

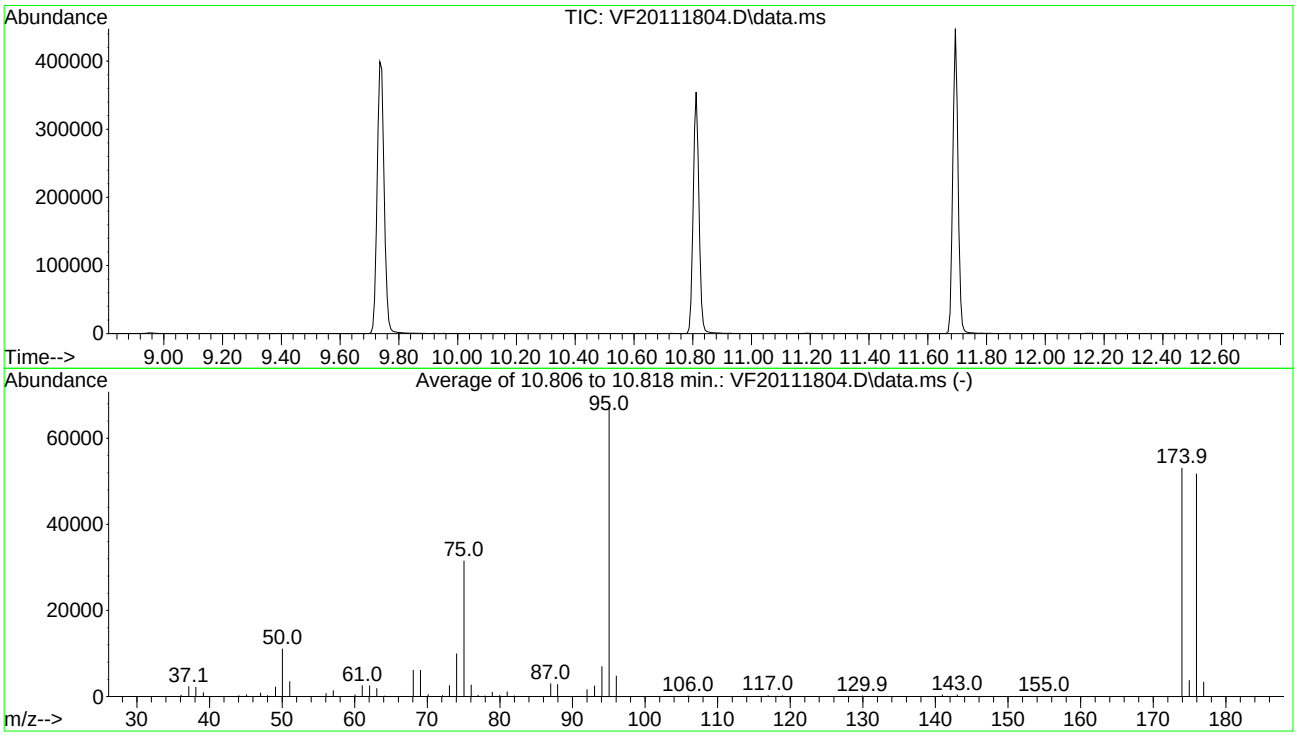


BFB

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111804.D
Acq On : 18 Nov 2020 6:32 pm
Operator : TNL
Sample : 0k18062-TUN1 11/20/20 TNL
Misc : A20G253 IS/SURR DI+MeOH
ALS Vial : 4 Sample Multiplier: 1

Integration File: RTEINT.P

Method : Y:\METHODS\VF201119S.M
Title : EPA 8260: Volatile Organic Compounds
Last Update : Thu Nov 19 16:36:27 2020



AutoFind: Scans 1532, 1533, 1534; Background Corrected with Scan 1525

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	174	50	200	127.0	67459	PASS
96	95	5	9	7.2	4842	PASS
173	174	0.00	2	0.3	141	PASS
174	95	50	200	78.7	53101	PASS
175	174	5	9	7.2	3819	PASS
176	174	95	105	97.5	51781	PASS
177	176	5	10	6.6	3426	PASS

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111804.D
Acq On : 18 Nov 2020 6:32 pm
Operator : TNL
Sample : 0k18062-TUN1
Misc : A20G253 IS/SURR DI+MeOH
ALS Vial : 4 Sample Multiplier: 1 11/20/20 TNL

Quant Time: Nov 19 17:07:59 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.020	99	85459	50.00	ug/L		0.00
43) Chlorobenzene-d5 (I)	9.742	117	228410	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.694	152	93615	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.533	111	69150	46.67	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.579	114	264606	50.17	ug/L		0.00
45) Toluene-d8 (S)	8.081	98	339404	51.75	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.812	174	84132	51.65	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.			
3) Chloromethane	0.000		0	N.D.			
4) Vinyl Chloride	0.000		0	N.D.			
5) Bromomethane	2.262	96	211	0.20	ug/L		83
6) Chloroethane	0.000		0	N.D.			
7) Trichlorofluoromethane	0.000		0	N.D.			
8) Ethanol	0.000		0	N.D.			
9) 1,1-Dichloroethene	0.000		0	N.D.			
10) Carbon Disulfide	0.000		0	N.D.			
11) Freon 113	0.000		0	N.D.			
12) Iodomethane	0.000		0	N.D.			
13) Methylene Chloride	3.715	84	1049	0.62	ug/L		93
14) Acetone	3.788	43	126	0.24	ug/L	#	42
15) t-1,2-Dichloroethene	0.000		0	N.D.			
16) n-Hexane	0.000		0	N.D.			
17) Methyl-tert-butyl-ether	0.000		0	N.D.			
18) tert-Butanol (TBA)	0.000		0	N.D.			
19) Diisopropyl ether (DIPE)	0.000		0	N.D.			
20) 1,1-Dichloroethane	0.000		0	N.D.			
21) Acrylonitrile	0.000		0	N.D.			
22) Ethyl-tert-butyl ether...	0.000		0	N.D.			
23) c-1,2-Dichloroethene	0.000		0	N.D.			
24) 2,2-Dichloropropane	0.000		0	N.D.			
25) Bromochloromethane	0.000		0	N.D.			
26) Chloroform	0.000		0	N.D.			
27) Carbon Tetrachloride	0.000		0	N.D.			

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111804.D
Acq On : 18 Nov 2020 6:32 pm
Operator : TNL
Sample : 0k18062-TUN1
Misc : A20G253 IS/SURR DI+MeOH
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 19 17:07:59 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
28) Tetrahydrofuran	0.000		0	N.D.	
29) 1,1,1-Trichloroethane	0.000		0	N.D.	
31) 1,1-Dichloropropene	0.000		0	N.D.	
32) 2-Butanone (MEK)	0.000		0	N.D.	
33) Benzene	0.000		0	N.D.	
34) tert-Amyl methyl ether...	0.000		0	N.D.	
35) 1,2-Dichloroethane (EDC)	0.000		0	N.D.	
36) iso-Butyl Alcohol	0.000		0	N.D.	
38) Trichloroethene (TCE)	0.000		0	N.D.	
39) tert-Amyl ethyl ether ...	0.000		0	N.D.	
40) Dibromomethane	0.000		0	N.D.	
41) 1,2-Dichloropropane	0.000		0	N.D.	
42) Bromodichloromethane	0.000		0	N.D.	
44) c-1,3-Dichloropropene	0.000		0	N.D.	
46) Toluene	8.136	91	177	0.02 ug/L #	29
47) Tetrachloroethene (PCE)	0.000		0	N.D.	
48) 4-Methyl-2-Pentanone (...	0.000		0	N.D.	
49) t-1,3-Dichloropropene	0.000		0	N.D.	
50) 1,1,2-Trichloroethane	0.000		0	N.D.	
51) Dibromochloromethane	0.000		0	N.D.	
52) 1,3-Dichloropropane	0.000		0	N.D.	
53) 1,2-Dibromoethane (EDB)	0.000		0	N.D.	
54) 2-Hexanone	0.000		0	N.D.	
55) Chlorobenzene	0.000		0	N.D.	
56) Ethylbenzene	9.742	91	405	0.05 ug/L #	1
57) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.	
58) m,p-Xylenes (2)	0.000		0	N.D.	
59) o-Xylene	0.000		0	N.D.	
60) Styrene	0.000		0	N.D.	
61) Bromoform	0.000		0	N.D.	
62) Isopropylbenzene	0.000		0	N.D.	
65) Bromobenzene	0.000		0	N.D.	
66) n-Propylbenzene	10.812	91	236	0.04 ug/L #	34
67) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.	
68) 2-Chlorotoluene	0.000		0	N.D.	
69) 1,3,5-Trimethylbenzene	0.000		0	N.D.	
70) 1,2,3-Trichloropropane	0.000		0	N.D.	
71) t-1,4-Dichloro-2-butene	0.000		0	N.D.	

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111804.D
Acq On : 18 Nov 2020 6:32 pm
Operator : TNL
Sample : 0k18062-TUN1
Misc : A20G253 IS/SURR DI+MeOH
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 19 17:07:59 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration

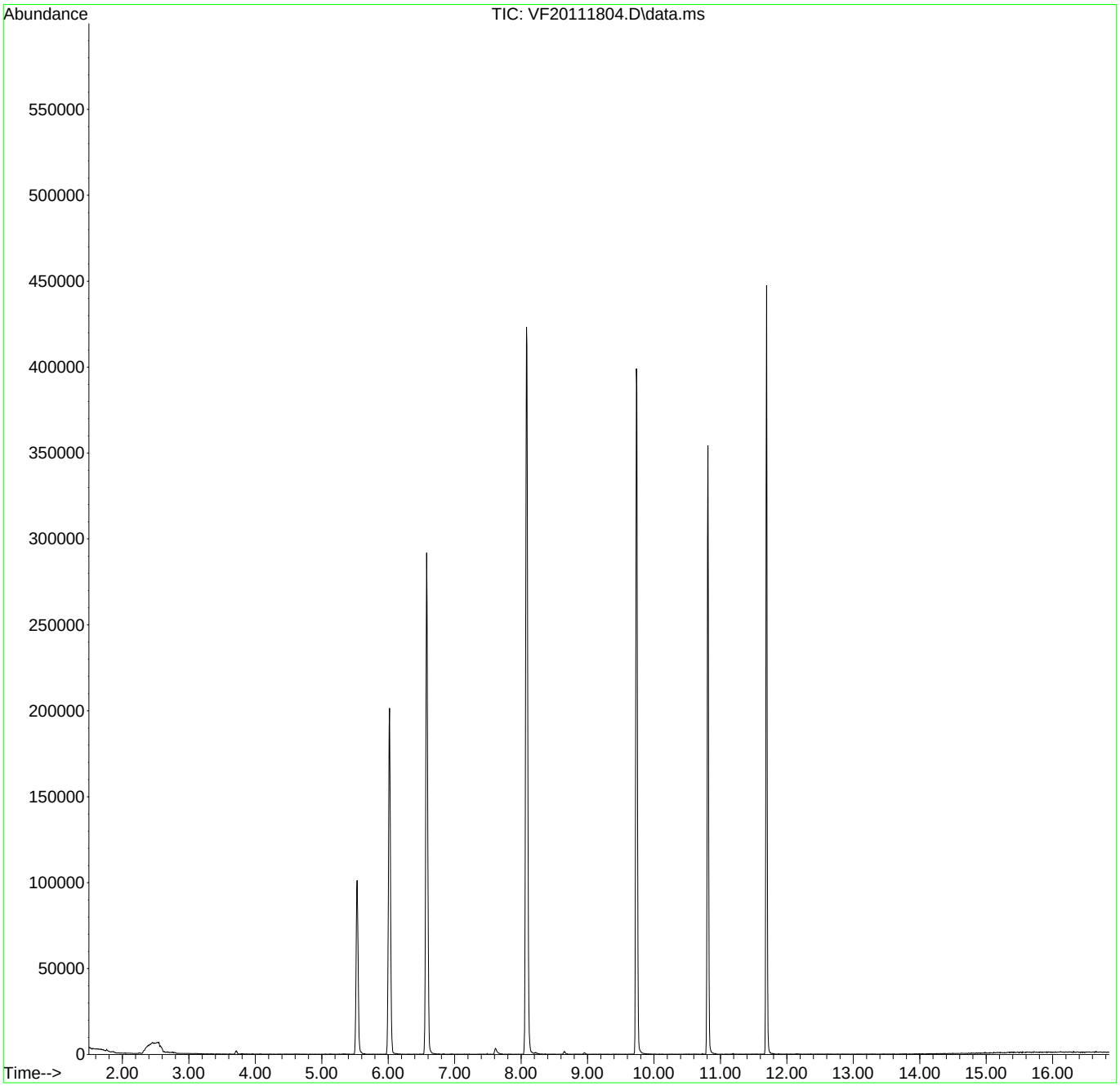
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 4-Chlorotoluene	0.000		0	N.D.		
73) tert-Butylbenzene	0.000		0	N.D.		
74) 1,2,4-Trimethylbenzene	0.000		0	N.D.		
75) sec-Butylbenzene	0.000		0	N.D.		
76) 4-Isopropyltoluene	0.000		0	N.D.		
77) 1,3-Dichlorobenzene	0.000		0	N.D.		
78) 1,4-Dichlorobenzene	0.000		0	N.D.		
79) n-Butylbenzene	0.000		0	N.D.		
80) 1,2-Dichlorobenzene	0.000		0	N.D.		
81) 1,2-Dibromo-3-Chloropr...	0.000		0	N.D.		
82) Hexachlorobutadiene	0.000		0	N.D.		
83) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
84) Naphthalene	0.000		0	N.D.		
85) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111804.D
Acq On : 18 Nov 2020 6:32 pm
Operator : TNL
Sample : 0k18062-TUN1
Misc : A20G253 IS/SURR DI+MeOH
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 19 17:07:59 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111805.D
Acq On : 18 Nov 2020 6:59 pm
Operator : TNL
Sample : 0k18062-ICB1
Misc : 1X 5mL DI+MeOH
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 19 17:08:05 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (I)	6.020	99	81438	50.00	ug/L	0.00
43) Chlorobenzene-d5 (I)	9.736	117	222265	50.00	ug/L	0.00
63) 1,4-Dichlorobenzene-d4...	11.694	152	94376	50.00	ug/L	0.00
System Monitoring Compounds						
30) Dibromofluoromethane (S)	5.534	111	67788	48.01	ug/L	0.00
37) 1,4-Difluorobenzene (S)	6.580	114	257511	51.23	ug/L	0.00
45) Toluene-d8 (S)	8.088	98	329969	51.70	ug/L	0.00
64) 4-Bromofluorobenzene (S)	10.812	174	83034	50.57	ug/L	0.00
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	0.000		0	N.D.		
4) Vinyl Chloride	0.000		0	N.D.		
5) Bromomethane	2.262	96	236	0.23	ug/L	91
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethanol	0.000		0	N.D.		
9) 1,1-Dichloroethene	0.000		0	N.D.		
10) Carbon Disulfide	0.000		0	N.D.		
11) Freon 113	0.000		0	N.D.		
12) Iodomethane	0.000		0	N.D.		
13) Methylene Chloride	3.721	84	1094	0.68	ug/L	90
14) Acetone	3.819	43	120	0.24	ug/L #	42
15) t-1,2-Dichloroethene	0.000		0	N.D.		
16) n-Hexane	0.000		0	N.D.		
17) Methyl-tert-butyl-ether	0.000		0	N.D.		
18) tert-Butanol (TBA)	0.000		0	N.D.		
19) Diisopropyl ether (DIPE)	0.000		0	N.D.		
20) 1,1-Dichloroethane	0.000		0	N.D.		
21) Acrylonitrile	0.000		0	N.D.		
22) Ethyl-tert-butyl ether...	0.000		0	N.D.		
23) c-1,2-Dichloroethene	0.000		0	N.D.		
24) 2,2-Dichloropropane	0.000		0	N.D.		
25) Bromochloromethane	0.000		0	N.D.		
26) Chloroform	0.000		0	N.D.		
27) Carbon Tetrachloride	0.000		0	N.D.		

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111805.D
Acq On : 18 Nov 2020 6:59 pm
Operator : TNL
Sample : 0k18062-ICB1
Misc : 1X 5mL DI+MeOH
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 19 17:08:05 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
28) Tetrahydrofuran	0.000		0	N.D.	
29) 1,1,1-Trichloroethane	0.000		0	N.D.	
31) 1,1-Dichloropropene	0.000		0	N.D.	
32) 2-Butanone (MEK)	0.000		0	N.D.	
33) Benzene	0.000		0	N.D.	
34) tert-Amyl methyl ether...	0.000		0	N.D.	
35) 1,2-Dichloroethane (EDC)	0.000		0	N.D.	
36) iso-Butyl Alcohol	0.000		0	N.D.	
38) Trichloroethene (TCE)	0.000		0	N.D.	
39) tert-Amyl ethyl ether ...	0.000		0	N.D.	
40) Dibromomethane	0.000		0	N.D.	
41) 1,2-Dichloropropane	0.000		0	N.D.	
42) Bromodichloromethane	0.000		0	N.D.	
44) c-1,3-Dichloropropene	0.000		0	N.D.	
46) Toluene	8.155	91	232	0.03 ug/L #	29
47) Tetrachloroethene (PCE)	0.000		0	N.D.	
48) 4-Methyl-2-Pentanone (...	0.000		0	N.D.	
49) t-1,3-Dichloropropene	0.000		0	N.D.	
50) 1,1,2-Trichloroethane	0.000		0	N.D.	
51) Dibromochloromethane	0.000		0	N.D.	
52) 1,3-Dichloropropane	0.000		0	N.D.	
53) 1,2-Dibromoethane (EDB)	0.000		0	N.D.	
54) 2-Hexanone	0.000		0	N.D.	
55) Chlorobenzene	0.000		0	N.D.	
56) Ethylbenzene	9.736	91	418	0.06 ug/L #	1
57) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.	
58) m,p-Xylenes (2)	0.000		0	N.D.	
59) o-Xylene	0.000		0	N.D.	
60) Styrene	0.000		0	N.D.	
61) Bromoform	0.000		0	N.D.	
62) Isopropylbenzene	0.000		0	N.D.	
65) Bromobenzene	0.000		0	N.D.	
66) n-Propylbenzene	10.812	91	239	0.04 ug/L	56
67) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.	
68) 2-Chlorotoluene	0.000		0	N.D.	
69) 1,3,5-Trimethylbenzene	0.000		0	N.D.	
70) 1,2,3-Trichloropropane	0.000		0	N.D.	
71) t-1,4-Dichloro-2-butene	0.000		0	N.D.	

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111805.D
Acq On : 18 Nov 2020 6:59 pm
Operator : TNL
Sample : 0k18062-ICB1
Misc : 1X 5mL DI+MeOH
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 19 17:08:05 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration

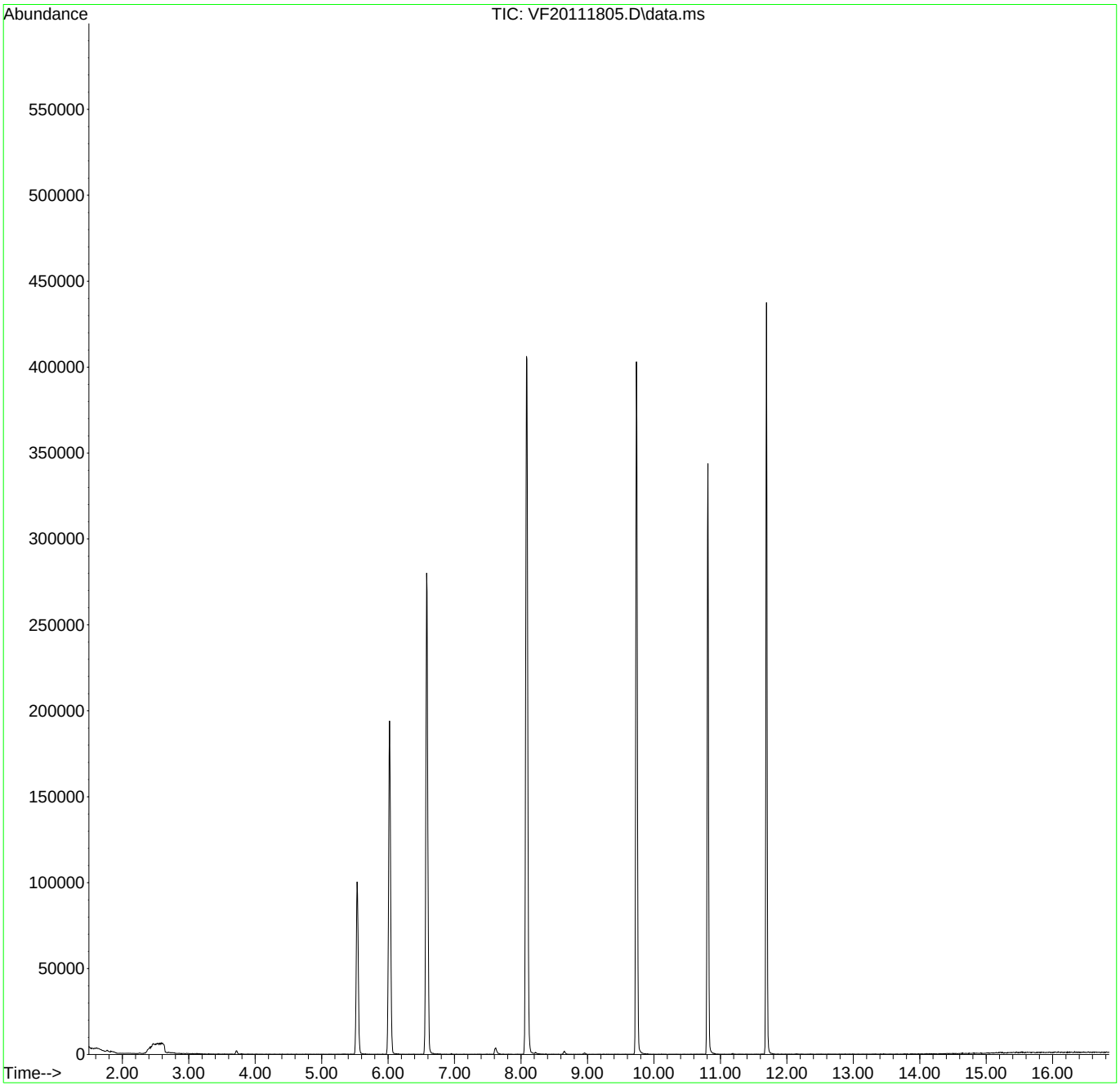
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 4-Chlorotoluene	0.000		0	N.D.		
73) tert-Butylbenzene	0.000		0	N.D.		
74) 1,2,4-Trimethylbenzene	0.000		0	N.D.		
75) sec-Butylbenzene	0.000		0	N.D.		
76) 4-Isopropyltoluene	0.000		0	N.D.		
77) 1,3-Dichlorobenzene	0.000		0	N.D.		
78) 1,4-Dichlorobenzene	0.000		0	N.D.		
79) n-Butylbenzene	0.000		0	N.D.		
80) 1,2-Dichlorobenzene	0.000		0	N.D.		
81) 1,2-Dibromo-3-Chloropr...	0.000		0	N.D.		
82) Hexachlorobutadiene	0.000		0	N.D.		
83) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
84) Naphthalene	0.000		0	N.D.		
85) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111805.D
Acq On : 18 Nov 2020 6:59 pm
Operator : TNL
Sample : 0k18062-ICB1
Misc : 1X 5mL DI+MeOH
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 19 17:08:05 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111805.D
Acq On : 18 Nov 2020 6:59 pm
Operator : TNL
Sample : 0k18062-ICB1
Misc : 1X 5mL DI+MeOH
ALS Vial : 5 Sample Multiplier: 1

11/20/20 TNL

Quant Time: Nov 19 17:08:54 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration

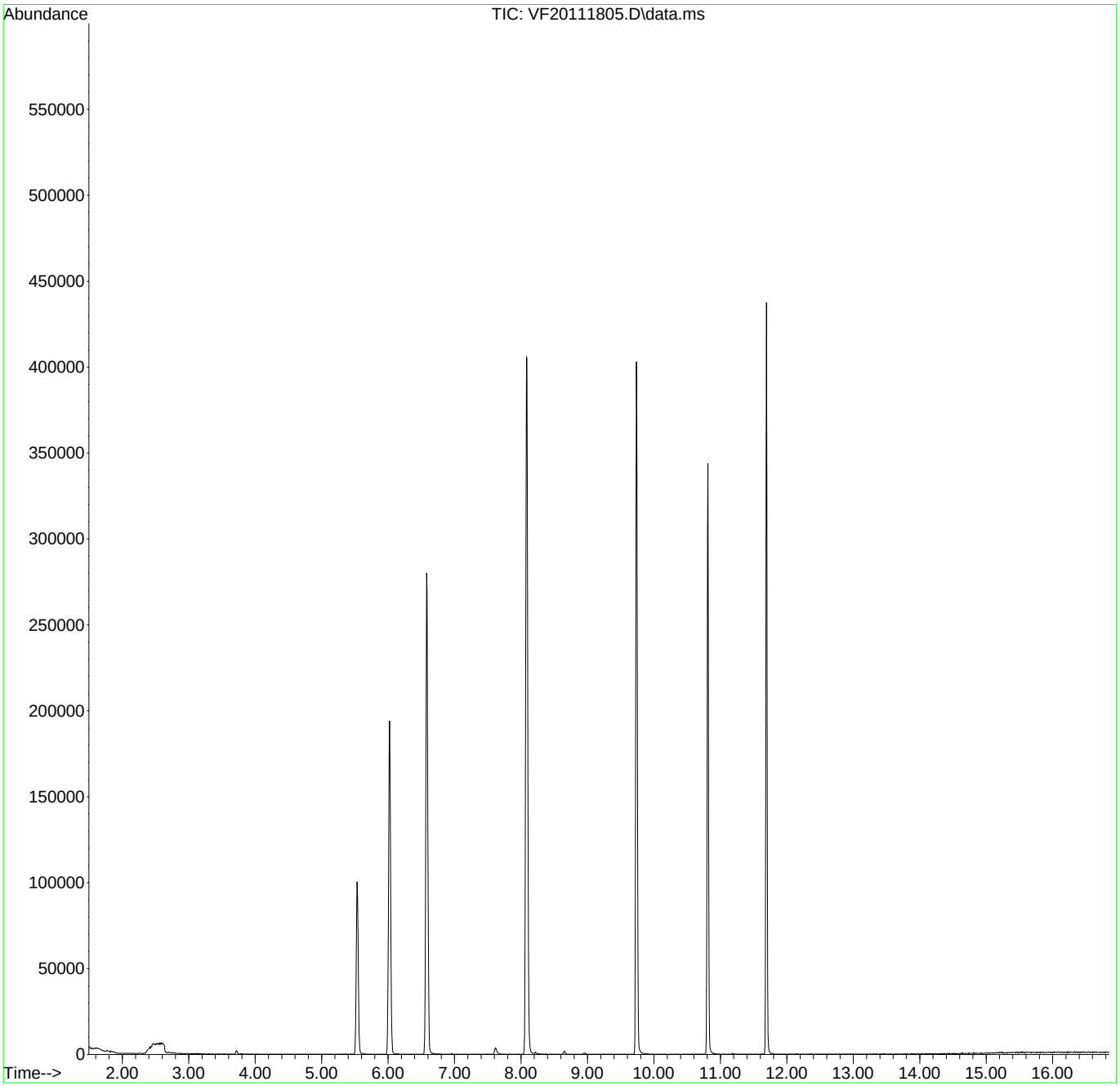
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (I)	6.020	99	81438	50.00	ug/L	0.00
43) Chlorobenzene-d5 (I)	9.736	117	222265	50.00	ug/L	0.00
63) 1,4-Dichlorobenzene-d4...	11.694	152	94376	50.00	ug/L	0.00
System Monitoring Compounds						
30) Dibromofluoromethane (S)	5.534	111	67788	48.01	ug/L	0.00
37) 1,4-Difluorobenzene (S)	6.580	114	257511	51.23	ug/L	0.00
45) Toluene-d8 (S)	8.088	98	329969	51.70	ug/L	0.00
64) 4-Bromofluorobenzene (S)	10.812	174	83034	50.57	ug/L	0.00
Target Compounds						Qvalue
5) Bromomethane	2.262	96	236	0.23	ug/L	91
13) Methylene Chloride	3.721	84	1094	0.68	ug/L	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111805.D
Acq On : 18 Nov 2020 6:59 pm
Operator : TNL
Sample : 0k18062-ICB1
Misc : 1X 5mL DI+MeOH
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 19 17:08:54 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111806.D
Acq On : 18 Nov 2020 7:26 pm
Operator : TNL
Sample : 0k18062-CAL1
Misc : 1X 5mL 0.1ppb DI+MeOH 11/20/20 TNL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 19 13:10:06 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Aug 13 21:24:28 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.019	99	77158	50.00	ug/L		0.00
43) Chlorobenzene-d5 (I)	9.735	117	212427	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.693	152	92426	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.532	111	63952	49.61	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.578	114	240769	53.07	ug/L		0.00
45) Toluene-d8 (S)	8.087	98	309383	49.04	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.811	174	80532	51.14	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.			
3) Chloromethane	1.811	50	203	0.09	ug/L	#	48
4) Vinyl Chloride	0.000		0	N.D.			
5) Bromomethane	2.248	96	244	0.19	ug/L	#	60
6) Chloroethane	0.000		0	N.D.			
7) Trichlorofluoromethane	0.000		0	N.D.			
8) Ethanol	0.000		0	N.D.			
9) 1,1-Dichloroethene	3.082	61	117	0.05	ug/L	#	18
10) Carbon Disulfide	3.094	76	213	0.07	ug/L		77
11) Freon 113	0.000		0	N.D.			
12) Iodomethane	0.000		0	N.D.			
13) Methylene Chloride	3.708	84	1023	0.63	ug/L		98
14) Acetone	3.787	43	144	0.21	ug/L	#	42
15) t-1,2-Dichloroethene	3.884	61	136	0.06	ug/L	#	22
16) n-Hexane	0.000		0	N.D.			
17) Methyl-tert-butyl-ether	4.024	73	424	0.09	ug/L		60
18) tert-Butanol (TBA)	4.231	59	161	0.85	ug/L	#	46
19) Diisopropyl ether (DIPE)	0.000		0	N.D.			
20) 1,1-Dichloroethane	4.517	63	139	0.05	ug/L	#	49
21) Acrylonitrile	0.000		0	N.D.			
22) Ethyl-tert-butyl ether...	0.000		0	N.D.			
23) c-1,2-Dichloroethene	0.000		0	N.D.			
24) 2,2-Dichloropropane	0.000		0	N.D.			
25) Bromochloromethane	0.000		0	N.D.			
26) Chloroform	5.350	83	252	0.10	ug/L	#	28
27) Carbon Tetrachloride	0.000		0	N.D.			

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111806.D
Acq On : 18 Nov 2020 7:26 pm
Operator : TNL
Sample : 0k18062-CAL1
Misc : 1X 5mL 0.1ppb DI+MeOH
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 19 13:10:06 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Aug 13 21:24:28 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
28) Tetrahydrofuran	0.000		0	N.D.			
29) 1,1,1-Trichloroethane	0.000		0	N.D.			
31) 1,1-Dichloropropene	0.000		0	N.D.			
32) 2-Butanone (MEK)	0.000		0	N.D.			
33) Benzene	5.940	78	693	0.10	ug/L		57
34) tert-Amyl methyl ether...	0.000		0	N.D.			
35) 1,2-Dichloroethane (EDC)	0.000		0	N.D.			
36) iso-Butyl Alcohol	0.000		0	N.D.			
38) Trichloroethene (TCE)	0.000		0	N.D.			
39) tert-Amyl ethyl ether ...	0.000		0	N.D.			
40) Dibromomethane	0.000		0	N.D.			
41) 1,2-Dichloropropane	0.000		0	N.D.			
42) Bromodichloromethane	0.000		0	N.D.			
44) c-1,3-Dichloropropene	0.000		0	N.D.			
46) Toluene	8.147	91	937	0.12	ug/L		95
47) Tetrachloroethene (PCE)	8.603	166	123	0.08	ug/L	#	24
48) 4-Methyl-2-Pentanone (...	0.000		0	N.D.			
49) t-1,3-Dichloropropene	0.000		0	N.D.			
50) 1,1,2-Trichloroethane	0.000		0	N.D.			
51) Dibromochloromethane	0.000		0	N.D.			
52) 1,3-Dichloropropane	9.108	76	167	0.06	ug/L	#	29
53) 1,2-Dibromoethane (EDB)	0.000		0	N.D.			
54) 2-Hexanone	0.000		0	N.D.			
55) Chlorobenzene	9.753	112	435	0.09	ug/L	#	1
56) Ethylbenzene	9.789	91	585	0.08	ug/L		88
57) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.			
58) m,p-Xylenes (2)	9.923	91	861	0.16	ug/L		95
59) o-Xylene	10.306	91	362	0.07	ug/L		82
60) Styrene	0.000		0	N.D.			
61) Bromoform	0.000		0	N.D.			
62) Isopropylbenzene	10.574	105	449	0.07	ug/L		52
65) Bromobenzene	0.000		0	N.D.			
66) n-Propylbenzene	10.920	91	537	0.07	ug/L		56
67) 1,1,2,2-Tetrachloroethane	10.981	83	165	0.09	ug/L	#	25
68) 2-Chlorotoluene	0.000		0	N.D.			
69) 1,3,5-Trimethylbenzene	11.079	105	324	0.07	ug/L		90
70) 1,2,3-Trichloropropane	0.000		0	N.D.			
71) t-1,4-Dichloro-2-butene	0.000		0	N.D.			

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111806.D
Acq On : 18 Nov 2020 7:26 pm
Operator : TNL
Sample : 0k18062-CAL1
Misc : 1X 5mL 0.1ppb DI+MeOH
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 19 13:10:06 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Aug 13 21:24:28 2020
Response via : Initial Calibration

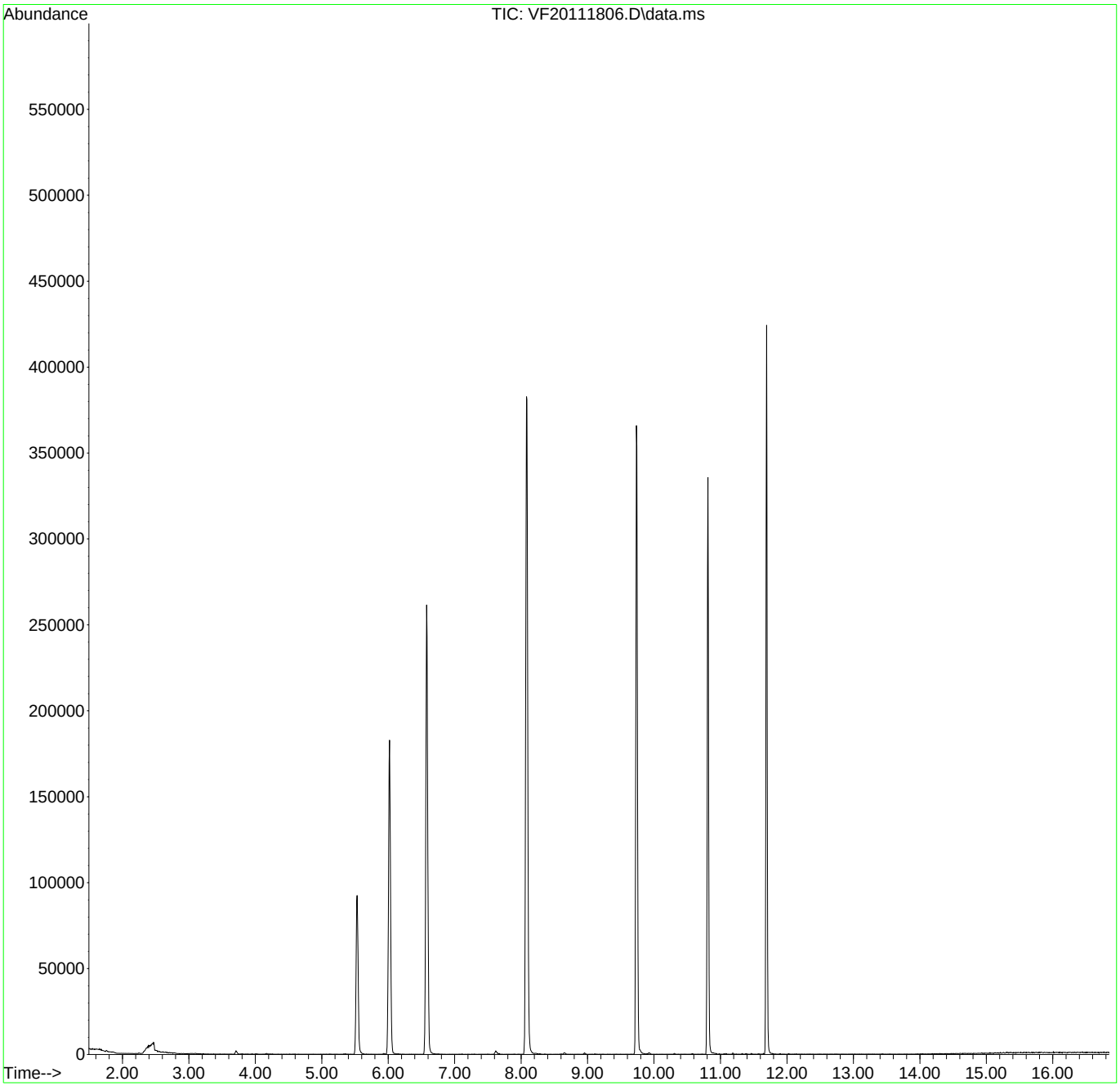
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
72) 4-Chlorotoluene	11.188	91	290	0.07	ug/L		79
73) tert-Butylbenzene	11.334	91	133	0.05	ug/L	#	56
74) 1,2,4-Trimethylbenzene	11.389	105	295	0.06	ug/L		88
75) sec-Butylbenzene	11.462	105	426	0.08	ug/L		57
76) 4-Isopropyltoluene	11.571	119	265	0.06	ug/L		49
77) 1,3-Dichlorobenzene	11.650	146	207	0.08	ug/L	#	72
78) 1,4-Dichlorobenzene	11.705	146	282	0.10	ug/L	#	7
79) n-Butylbenzene	11.900	91	235	0.06	ug/L		77
80) 1,2-Dichlorobenzene	12.027	146	178	0.07	ug/L	#	68
81) 1,2-Dibromo-3-Chloropr...	0.000		0	N.D.			
82) Hexachlorobutadiene	0.000		0	N.D.			
83) 1,2,4-Trichlorobenzene	0.000		0	N.D.			
84) Naphthalene	13.438	128	136	0.26	ug/L		78
85) 1,2,3-Trichlorobenzene	0.000		0	N.D.			

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111806.D
Acq On : 18 Nov 2020 7:26 pm
Operator : TNL
Sample : 0k18062-CAL1
Misc : 1X 5mL 0.1ppb DI+MeOH
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 19 13:10:06 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Aug 13 21:24:28 2020
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111806.D
Acq On : 18 Nov 2020 7:26 pm
Operator : TNL
Sample : 0k18062-CAL1
Misc : 1X 5mL 0.1ppb DI+MeOH
ALS Vial : 6 Sample Multiplier: 1

11/20/20 TNL

Quant Time: Nov 19 13:12:10 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Aug 13 21:24:28 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.019	99	77158	50.00	ug/L		0.00
43) Chlorobenzene-d5 (I)	9.735	117	212427	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.693	152	92426	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.532	111	63952	49.61	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.578	114	240769	53.07	ug/L		0.00
45) Toluene-d8 (S)	8.087	98	309383	49.04	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.811	174	80532	51.14	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.			
3) Chloromethane	0.000		0	N.D.		d	
4) Vinyl Chloride	0.000		0	N.D.			
5) Bromomethane	2.248	96	244	0.19	ug/L	#	60
6) Chloroethane	0.000		0	N.D.			
7) Trichlorofluoromethane	0.000		0	N.D.			
8) Ethanol	0.000		0	N.D.			
9) 1,1-Dichloroethene	0.000		0	N.D.		d	
10) Carbon Disulfide	0.000		0	N.D.		d	
11) Freon 113	0.000		0	N.D.			
12) Iodomethane	0.000		0	N.D.			
13) Methylene Chloride	3.708	84	1023	0.63	ug/L		98
14) Acetone	0.000		0	N.D.		d	
15) t-1,2-Dichloroethene	0.000		0	N.D.		d	
16) n-Hexane	0.000		0	N.D.			
17) Methyl-tert-butyl-ether	0.000		0	N.D.		d	
18) tert-Butanol (TBA)	0.000		0	N.D.		d	
19) Diisopropyl ether (DIPE)	0.000		0	N.D.			
20) 1,1-Dichloroethane	0.000		0	N.D.		d	
21) Acrylonitrile	0.000		0	N.D.			
22) Ethyl-tert-butyl ether...	0.000		0	N.D.			
23) c-1,2-Dichloroethene	0.000		0	N.D.			
24) 2,2-Dichloropropane	0.000		0	N.D.			
25) Bromochloromethane	0.000		0	N.D.			
26) Chloroform	0.000		0	N.D.		d	
27) Carbon Tetrachloride	0.000		0	N.D.			

Quantitation Report (QT Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111806.D
Acq On : 18 Nov 2020 7:26 pm
Operator : TNL
Sample : 0k18062-CAL1
Misc : 1X 5mL 0.1ppb DI+MeOH
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 19 13:12:10 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Aug 13 21:24:28 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
28) Tetrahydrofuran	0.000		0	N.D.		
29) 1,1,1-Trichloroethane	0.000		0	N.D.		
31) 1,1-Dichloropropene	0.000		0	N.D.		
32) 2-Butanone (MEK)	0.000		0	N.D.		
33) Benzene	5.940	78	693	0.10	ug/L	57
34) tert-Amyl methyl ether...	0.000		0	N.D.		
35) 1,2-Dichloroethane (EDC)	0.000		0	N.D.		
36) iso-Butyl Alcohol	0.000		0	N.D.		
38) Trichloroethene (TCE)	0.000		0	N.D.		
39) tert-Amyl ethyl ether ...	0.000		0	N.D.		
40) Dibromomethane	0.000		0	N.D.		
41) 1,2-Dichloropropane	0.000		0	N.D.		
42) Bromodichloromethane	0.000		0	N.D.		
44) c-1,3-Dichloropropene	0.000		0	N.D.		
46) Toluene	8.147	91	937	0.12	ug/L	95
47) Tetrachloroethene (PCE)	0.000		0	N.D. d		
48) 4-Methyl-2-Pentanone (...	0.000		0	N.D.		
49) t-1,3-Dichloropropene	0.000		0	N.D.		
50) 1,1,2-Trichloroethane	0.000		0	N.D.		
51) Dibromochloromethane	0.000		0	N.D.		
52) 1,3-Dichloropropane	0.000		0	N.D. d		
53) 1,2-Dibromoethane (EDB)	0.000		0	N.D.		
54) 2-Hexanone	0.000		0	N.D.		
55) Chlorobenzene	9.753	112	435	0.09	ug/L #	1
56) Ethylbenzene	9.789	91	585	0.08	ug/L	88
57) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.		
58) m,p-Xylenes (2)	9.923	91	861	0.16	ug/L	95
59) o-Xylene	10.306	91	362	0.07	ug/L	82
60) Styrene	0.000		0	N.D.		
61) Bromoform	0.000		0	N.D.		
62) Isopropylbenzene	0.000		0	N.D. d		
65) Bromobenzene	0.000		0	N.D.		
66) n-Propylbenzene	0.000		0	N.D. d		
67) 1,1,2,2-Tetrachloroethane	0.000		0	N.D. d		
68) 2-Chlorotoluene	0.000		0	N.D.		
69) 1,3,5-Trimethylbenzene	11.079	105	324	0.07	ug/L	90
70) 1,2,3-Trichloropropane	0.000		0	N.D.		
71) t-1,4-Dichloro-2-butene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111806.D
Acq On : 18 Nov 2020 7:26 pm
Operator : TNL
Sample : 0k18062-CAL1
Misc : 1X 5mL 0.1ppb DI+MeOH
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 19 13:12:10 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Aug 13 21:24:28 2020
Response via : Initial Calibration

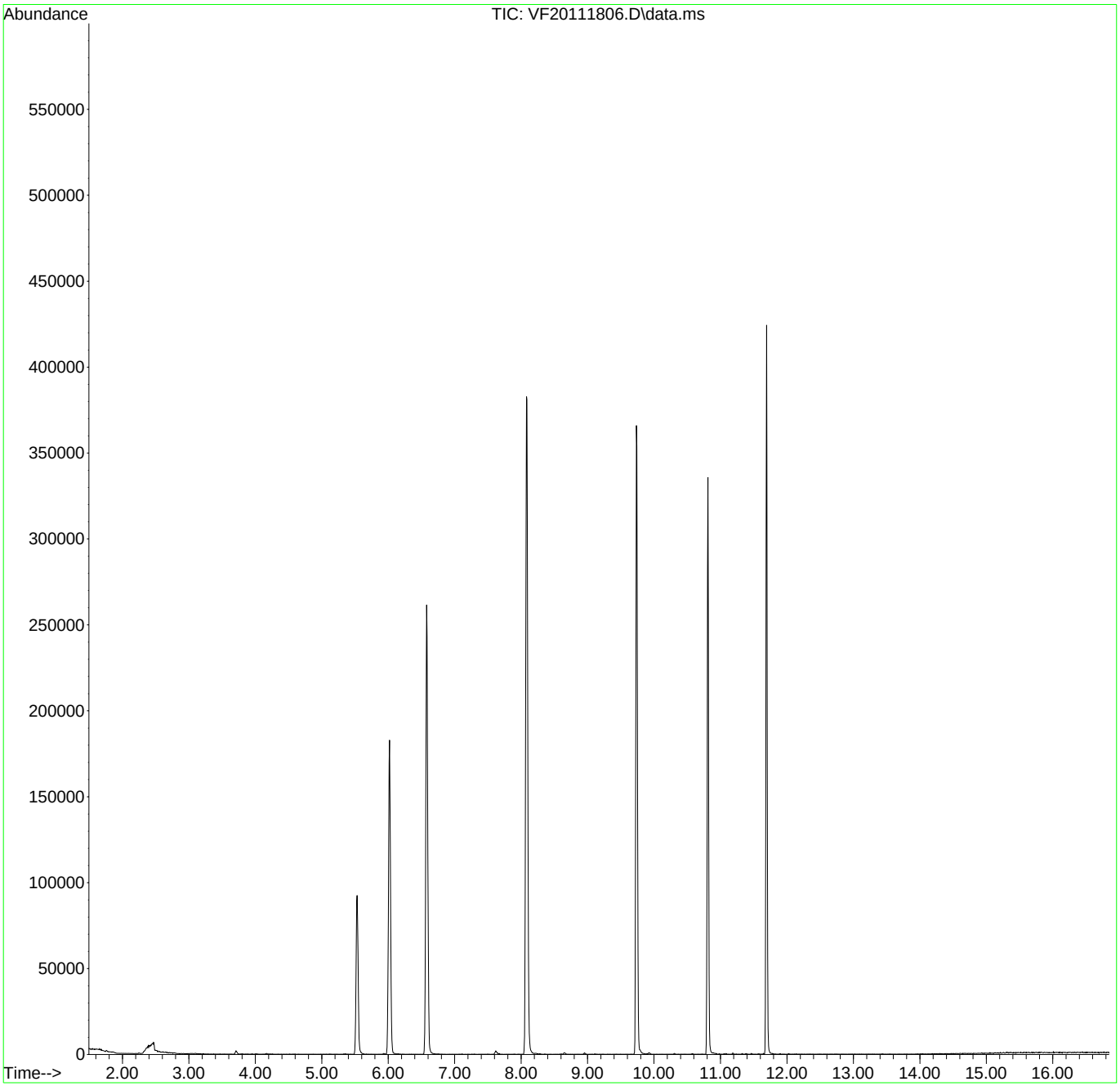
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
72) 4-Chlorotoluene	11.188	91	290	0.07	ug/L		79
73) tert-Butylbenzene	11.334	91	133	0.05	ug/L	#	56
74) 1,2,4-Trimethylbenzene	11.389	105	295	0.06	ug/L		88
75) sec-Butylbenzene	0.000		0	N.D.	d		
76) 4-Isopropyltoluene	0.000		0	N.D.	d		
77) 1,3-Dichlorobenzene	11.650	146	207	0.08	ug/L	#	72
78) 1,4-Dichlorobenzene	11.705	146	282	0.10	ug/L	#	7
79) n-Butylbenzene	11.900	91	235	0.06	ug/L		77
80) 1,2-Dichlorobenzene	12.027	146	178	0.07	ug/L	#	68
81) 1,2-Dibromo-3-Chloropr...	0.000		0	N.D.			
82) Hexachlorobutadiene	0.000		0	N.D.			
83) 1,2,4-Trichlorobenzene	0.000		0	N.D.			
84) Naphthalene	0.000		0	N.D.	d		
85) 1,2,3-Trichlorobenzene	0.000		0	N.D.			

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111806.D
Acq On : 18 Nov 2020 7:26 pm
Operator : TNL
Sample : 0k18062-CAL1
Misc : 1X 5mL 0.1ppb DI+MeOH
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 19 13:12:10 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Aug 13 21:24:28 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111807.D
Acq On : 18 Nov 2020 7:54 pm
Operator : TNL
Sample : 0k18062-CAL2
Misc : 1X 5mL 0.2ppb DI+MeOH
ALS Vial : 7 Sample Multiplier: 1

11/20/20 TNL

Quant Time: Nov 19 13:12:36 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Aug 13 21:24:28 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.024	99	76032	50.00	ug/L		0.00
43) Chlorobenzene-d5 (I)	9.740	117	209658	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.692	152	92179	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.538	111	63945	50.34	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.584	114	236428	52.89	ug/L		0.00
45) Toluene-d8 (S)	8.086	98	303923	48.81	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.810	174	79731	50.77	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.603	85	202	0.13	ug/L	#	50
3) Chloromethane	1.816	50	380	0.18	ug/L	#	48
4) Vinyl Chloride	1.895	62	187	0.10	ug/L	#	48
5) Bromomethane	2.254	96	391	0.32	ug/L		81
6) Chloroethane	0.000		0	N.D.			
7) Trichlorofluoromethane	2.527	101	140	0.12	ug/L		79
8) Ethanol	0.000		0	N.D.			
9) 1,1-Dichloroethene	3.087	61	370	0.15	ug/L		82
10) Carbon Disulfide	3.105	76	409	0.14	ug/L		77
11) Freon 113	3.135	101	174	0.14	ug/L	#	66
12) Iodomethane	0.000		0	N.D.			
13) Methylene Chloride	3.719	84	1132	0.71	ug/L		83
14) Acetone	3.798	43	347	0.52	ug/L	#	42
15) t-1,2-Dichloroethene	3.877	61	351	0.15	ug/L	#	65
16) n-Hexane	0.000		0	N.D.			
17) Methyl-tert-butyl-ether	4.017	73	799	0.17	ug/L		60
18) tert-Butanol (TBA)	4.248	59	297	1.58	ug/L	#	46
19) Diisopropyl ether (DIPE)	0.000		0	N.D.			
20) 1,1-Dichloroethane	4.504	63	478	0.16	ug/L		86
21) Acrylonitrile	0.000		0	N.D.			
22) Ethyl-tert-butyl ether...	0.000		0	N.D.			
23) c-1,2-Dichloroethene	5.081	61	281	0.12	ug/L	#	60
24) 2,2-Dichloropropane	0.000		0	N.D.			
25) Bromochloromethane	0.000		0	N.D.			
26) Chloroform	5.355	83	513	0.20	ug/L		82
27) Carbon Tetrachloride	0.000		0	N.D.			

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111807.D
Acq On : 18 Nov 2020 7:54 pm
Operator : TNL
Sample : 0k18062-CAL2
Misc : 1X 5mL 0.2ppb DI+MeOH
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 19 13:12:36 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Aug 13 21:24:28 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
28) Tetrahydrofuran	0.000		0	N.D.			
29) 1,1,1-Trichloroethane	5.550	97	317	0.15	ug/L	#	24
31) 1,1-Dichloropropene	5.690	75	294	0.14	ug/L	#	41
32) 2-Butanone (MEK)	0.000		0	N.D.			
33) Benzene	5.933	78	1405	0.20	ug/L		85
34) tert-Amyl methyl ether...	0.000		0	N.D.			
35) 1,2-Dichloroethane (EDC)	6.158	62	287	0.12	ug/L	#	50
36) iso-Butyl Alcohol	0.000		0	N.D.			
38) Trichloroethene (TCE)	6.553	130	295	0.19	ug/L		88
39) tert-Amyl ethyl ether ...	0.000		0	N.D.			
40) Dibromomethane	0.000		0	N.D.			
41) 1,2-Dichloropropane	7.119	63	185	0.10	ug/L	#	37
42) Bromodichloromethane	0.000		0	N.D.			
44) c-1,3-Dichloropropene	7.891	75	161	0.27	ug/L	#	35
46) Toluene	8.153	91	1602	0.20	ug/L		88
47) Tetrachloroethene (PCE)	8.597	166	162	0.10	ug/L	#	75
48) 4-Methyl-2-Pentanone (...	8.609	43	473	0.19	ug/L	#	41
49) t-1,3-Dichloropropene	0.000		0	N.D.			
50) 1,1,2-Trichloroethane	0.000		0	N.D.			
51) Dibromochloromethane	0.000		0	N.D.			
52) 1,3-Dichloropropane	9.107	76	545	0.18	ug/L	#	72
53) 1,2-Dibromoethane (EDB)	0.000		0	N.D.			
54) 2-Hexanone	0.000		0	N.D.			
55) Chlorobenzene	9.752	112	951	0.21	ug/L	#	40
56) Ethylbenzene	9.788	91	1186	0.16	ug/L		84
57) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.			
58) m,p-Xylenes (2)	9.922	91	1907	0.35	ug/L		90
59) o-Xylene	10.305	91	847	0.15	ug/L		83
60) Styrene	10.366	104	448	0.28	ug/L		88
61) Bromoform	0.000		0	N.D.			
62) Isopropylbenzene	10.579	105	927	0.15	ug/L		98
65) Bromobenzene	10.901	156	232	0.15	ug/L	#	72
66) n-Propylbenzene	10.926	91	1169	0.16	ug/L		89
67) 1,1,2,2-Tetrachloroethane	10.986	83	374	0.20	ug/L		66
68) 2-Chlorotoluene	11.047	126	190	0.14	ug/L	#	49
69) 1,3,5-Trimethylbenzene	11.072	105	735	0.16	ug/L		87
70) 1,2,3-Trichloropropane	0.000		0	N.D.			
71) t-1,4-Dichloro-2-butene	0.000		0	N.D.			

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111807.D
Acq On : 18 Nov 2020 7:54 pm
Operator : TNL
Sample : 0k18062-CAL2
Misc : 1X 5mL 0.2ppb DI+MeOH
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 19 13:12:36 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Aug 13 21:24:28 2020
Response via : Initial Calibration

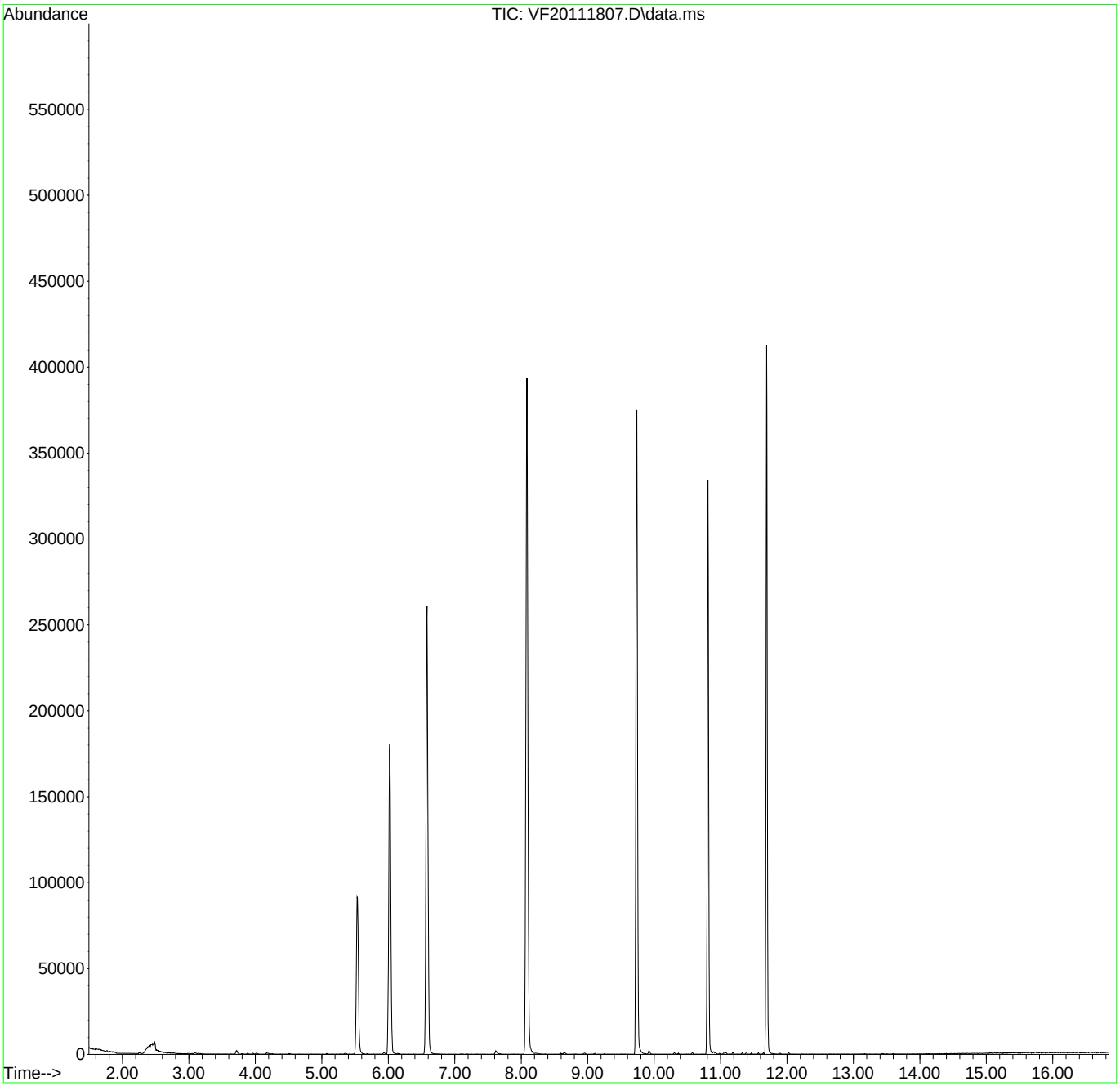
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
72) 4-Chlorotoluene	11.187	91	612	0.14	ug/L		87
73) tert-Butylbenzene	11.327	91	371	0.15	ug/L	#	83
74) 1,2,4-Trimethylbenzene	11.388	105	750	0.16	ug/L		77
75) sec-Butylbenzene	11.467	105	791	0.14	ug/L		81
76) 4-Isopropyltoluene	11.570	119	617	0.14	ug/L		97
77) 1,3-Dichlorobenzene	11.643	146	341	0.13	ug/L		93
78) 1,4-Dichlorobenzene	11.704	146	513	0.18	ug/L	#	7
79) n-Butylbenzene	11.893	91	549	0.14	ug/L		70
80) 1,2-Dichlorobenzene	12.026	146	396	0.16	ug/L		94
81) 1,2-Dibromo-3-Chloropr...	0.000		0	N.D.			
82) Hexachlorobutadiene	0.000		0	N.D.			
83) 1,2,4-Trichlorobenzene	0.000		0	N.D.			
84) Naphthalene	13.443	128	380	0.31	ug/L		78
85) 1,2,3-Trichlorobenzene	13.601	180	139	0.11	ug/L		72

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111807.D
Acq On : 18 Nov 2020 7:54 pm
Operator : TNL
Sample : 0k18062-CAL2
Misc : 1X 5mL 0.2ppb DI+MeOH
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 19 13:12:36 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Aug 13 21:24:28 2020
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111807.D
Acq On : 18 Nov 2020 7:54 pm
Operator : TNL
Sample : 0k18062-CAL2
Misc : 1X 5mL 0.2ppb DI+MeOH
ALS Vial : 7 Sample Multiplier: 1

11/20/20 TNL

Quant Time: Nov 19 13:13:59 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Aug 13 21:24:28 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.024	99	76032	50.00	ug/L		0.00
43) Chlorobenzene-d5 (I)	9.740	117	209658	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.692	152	92179	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.538	111	63945	50.34	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.584	114	236428	52.89	ug/L		0.00
45) Toluene-d8 (S)	8.086	98	303923	48.81	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.810	174	79731	50.77	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	d		
3) Chloromethane	1.816	50	380	0.18	ug/L	#	48
4) Vinyl Chloride	0.000		0	N.D.	d		
5) Bromomethane	2.254	96	391	0.32	ug/L		81
6) Chloroethane	0.000		0	N.D.			
7) Trichlorofluoromethane	0.000		0	N.D.	d		
8) Ethanol	0.000		0	N.D.			
9) 1,1-Dichloroethene	3.087	61	370	0.15	ug/L		82
10) Carbon Disulfide	3.105	76	409	0.14	ug/L		77
11) Freon 113	3.135	101	174	0.14	ug/L	#	66
12) Iodomethane	0.000		0	N.D.			
13) Methylene Chloride	3.719	84	1132	0.71	ug/L		83
14) Acetone	0.000		0	N.D.	d		
15) t-1,2-Dichloroethene	3.877	61	351	0.15	ug/L	#	65
16) n-Hexane	0.000		0	N.D.			
17) Methyl-tert-butyl-ether	4.017	73	799	0.17	ug/L		60
18) tert-Butanol (TBA)	0.000		0	N.D.	d		
19) Diisopropyl ether (DIPE)	0.000		0	N.D.			
20) 1,1-Dichloroethane	4.504	63	478	0.16	ug/L		86
21) Acrylonitrile	0.000		0	N.D.			
22) Ethyl-tert-butyl ether...	0.000		0	N.D.			
23) c-1,2-Dichloroethene	5.081	61	281	0.12	ug/L	#	60
24) 2,2-Dichloropropane	0.000		0	N.D.			
25) Bromochloromethane	0.000		0	N.D.			
26) Chloroform	5.355	83	513	0.20	ug/L		82
27) Carbon Tetrachloride	0.000		0	N.D.			

Quantitation Report (QT Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111807.D
Acq On : 18 Nov 2020 7:54 pm
Operator : TNL
Sample : 0k18062-CAL2
Misc : 1X 5mL 0.2ppb DI+MeOH
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 19 13:13:59 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Aug 13 21:24:28 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
28) Tetrahydrofuran	0.000		0	N.D.			
29) 1,1,1-Trichloroethane	5.550	97	317	0.15	ug/L	#	24
31) 1,1-Dichloropropene	0.000		0	N.D.		d	
32) 2-Butanone (MEK)	0.000		0	N.D.			
33) Benzene	5.933	78	1405	0.20	ug/L		85
34) tert-Amyl methyl ether...	0.000		0	N.D.			
35) 1,2-Dichloroethane (EDC)	0.000		0	N.D.		d	
36) iso-Butyl Alcohol	0.000		0	N.D.			
38) Trichloroethene (TCE)	6.553	130	295	0.19	ug/L		88
39) tert-Amyl ethyl ether ...	0.000		0	N.D.			
40) Dibromomethane	0.000		0	N.D.			
41) 1,2-Dichloropropane	0.000		0	N.D.		d	
42) Bromodichloromethane	0.000		0	N.D.			
44) c-1,3-Dichloropropene	0.000		0	N.D.		d	
46) Toluene	8.153	91	1602	0.20	ug/L		88
47) Tetrachloroethene (PCE)	8.597	166	162	0.10	ug/L	#	75
48) 4-Methyl-2-Pentanone (...	0.000		0	N.D.		d	
49) t-1,3-Dichloropropene	0.000		0	N.D.			
50) 1,1,2-Trichloroethane	0.000		0	N.D.			
51) Dibromochloromethane	0.000		0	N.D.			
52) 1,3-Dichloropropane	9.107	76	545	0.18	ug/L	#	72
53) 1,2-Dibromoethane (EDB)	0.000		0	N.D.			
54) 2-Hexanone	0.000		0	N.D.			
55) Chlorobenzene	9.752	112	951	0.21	ug/L	#	40
56) Ethylbenzene	9.788	91	1186	0.16	ug/L		84
57) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.			
58) m,p-Xylenes (2)	9.922	91	1907	0.35	ug/L		90
59) o-Xylene	10.305	91	847	0.15	ug/L		83
60) Styrene	10.366	104	448	0.28	ug/L		88
61) Bromoform	0.000		0	N.D.			
62) Isopropylbenzene	10.579	105	927	0.15	ug/L		98
65) Bromobenzene	10.901	156	232	0.15	ug/L	#	72
66) n-Propylbenzene	10.926	91	1169	0.16	ug/L		89
67) 1,1,2,2-Tetrachloroethane	10.986	83	374	0.20	ug/L		66
68) 2-Chlorotoluene	11.047	126	190	0.14	ug/L	#	49
69) 1,3,5-Trimethylbenzene	11.072	105	735	0.16	ug/L		87
70) 1,2,3-Trichloropropane	0.000		0	N.D.			
71) t-1,4-Dichloro-2-butene	0.000		0	N.D.			

Quantitation Report (QT Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111807.D
Acq On : 18 Nov 2020 7:54 pm
Operator : TNL
Sample : 0k18062-CAL2
Misc : 1X 5mL 0.2ppb DI+MeOH
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 19 13:13:59 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Aug 13 21:24:28 2020
Response via : Initial Calibration

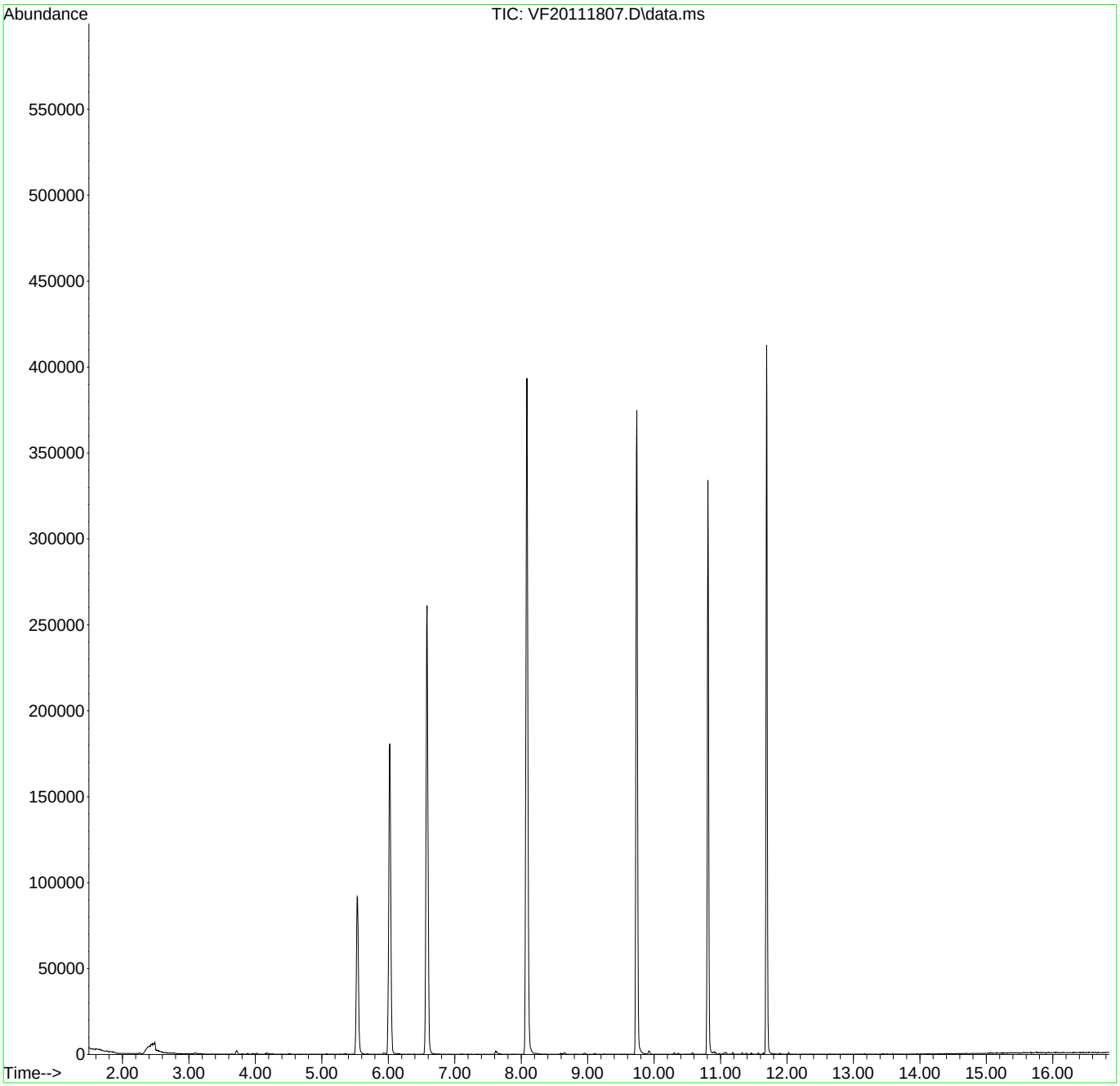
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
72) 4-Chlorotoluene	11.187	91	612	0.14	ug/L		87
73) tert-Butylbenzene	11.327	91	371	0.15	ug/L	#	83
74) 1,2,4-Trimethylbenzene	11.388	105	750	0.16	ug/L		77
75) sec-Butylbenzene	11.467	105	791	0.14	ug/L		81
76) 4-Isopropyltoluene	11.570	119	617	0.14	ug/L		97
77) 1,3-Dichlorobenzene	11.643	146	341	0.13	ug/L		93
78) 1,4-Dichlorobenzene	11.704	146	513	0.18	ug/L	#	7
79) n-Butylbenzene	11.893	91	549	0.14	ug/L		70
80) 1,2-Dichlorobenzene	12.026	146	396	0.16	ug/L		94
81) 1,2-Dibromo-3-Chloropr...	0.000		0	N.D.			
82) Hexachlorobutadiene	0.000		0	N.D.			
83) 1,2,4-Trichlorobenzene	0.000		0	N.D.			
84) Naphthalene	13.443	128	380	0.31	ug/L		78
85) 1,2,3-Trichlorobenzene	13.601	180	139	0.11	ug/L		72

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111807.D
Acq On : 18 Nov 2020 7:54 pm
Operator : TNL
Sample : 0k18062-CAL2
Misc : 1X 5mL 0.2ppb DI+MeOH
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 19 13:13:59 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Aug 13 21:24:28 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111808.D
Acq On : 18 Nov 2020 8:21 pm
Operator : TNL
Sample : 0k18062-CAL3
Misc : 1X 5mL 0.4ppb DI+MeOH 11/20/20 TNL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 19 13:15:21 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Aug 13 21:24:28 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.019	99	76882	50.00	ug/L		0.00
43) Chlorobenzene-d5 (I)	9.741	117	208976	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.693	152	90784	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.532	111	63552	49.48	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.584	114	237778	52.60	ug/L		0.00
45) Toluene-d8 (S)	8.086	98	303847	48.96	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.811	174	80354	51.95	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.610	85	370	0.23	ug/L		87
3) Chloromethane	1.817	50	683	0.31	ug/L		85
4) Vinyl Chloride	1.902	62	388	0.20	ug/L		93
5) Bromomethane	2.261	96	675	0.54	ug/L		82
6) Chloroethane	2.394	64	135	0.25	ug/L	#	1
7) Trichlorofluoromethane	2.540	101	199	0.17	ug/L		76
8) Ethanol	0.000		0	N.D.			
9) 1,1-Dichloroethene	3.082	61	693	0.29	ug/L		79
10) Carbon Disulfide	3.106	76	868	0.30	ug/L		77
11) Freon 113	3.136	101	404	0.32	ug/L	#	60
12) Iodomethane	0.000		0	N.D.			
13) Methylene Chloride	3.720	84	1463	0.91	ug/L		94
14) Acetone	3.805	43	600	0.88	ug/L	#	42
15) t-1,2-Dichloroethene	3.890	61	752	0.33	ug/L		95
16) n-Hexane	0.000		0	N.D.			
17) Methyl-tert-butyl-ether	4.018	73	1756	0.36	ug/L		96
18) tert-Butanol (TBA)	4.219	59	2088	11.02	ug/L	#	93
19) Diisopropyl ether (DIPE)	4.419	45	364	0.06	ug/L	#	33
20) 1,1-Dichloroethane	4.517	63	1090	0.36	ug/L		83
21) Acrylonitrile	0.000		0	N.D.			
22) Ethyl-tert-butyl ether...	4.778	59	317	0.07	ug/L	#	38
23) c-1,2-Dichloroethene	5.076	61	649	0.28	ug/L		91
24) 2,2-Dichloropropane	5.167	77	367	0.22	ug/L		75
25) Bromochloromethane	5.283	49	403	0.26	ug/L		79
26) Chloroform	5.350	83	1004	0.39	ug/L		97
27) Carbon Tetrachloride	5.478	117	413	0.48	ug/L		74

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111808.D
Acq On : 18 Nov 2020 8:21 pm
Operator : TNL
Sample : 0k18062-CAL3
Misc : 1X 5mL 0.4ppb DI+MeOH
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 19 13:15:21 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Aug 13 21:24:28 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
28) Tetrahydrofuran	0.000		0	N.D.			
29) 1,1,1-Trichloroethane	5.557	97	689	0.33	ug/L		94
31) 1,1-Dichloropropene	5.684	75	742	0.35	ug/L		89
32) 2-Butanone (MEK)	5.696	43	292	0.25	ug/L		54
33) Benzene	5.934	78	2630	0.38	ug/L		94
34) tert-Amyl methyl ether...	6.061	73	304	0.07	ug/L		50
35) 1,2-Dichloroethane (EDC)	6.153	62	777	0.33	ug/L		88
36) iso-Butyl Alcohol	6.244	43	387	4.26	ug/L		96
38) Trichloroethene (TCE)	6.560	130	535	0.34	ug/L	#	78
39) tert-Amyl ethyl ether ...	6.803	59	131	0.04	ug/L	#	21
40) Dibromomethane	7.016	93	231	0.24	ug/L	#	47
41) 1,2-Dichloropropane	7.107	63	555	0.30	ug/L		91
42) Bromodichloromethane	7.186	83	451	0.46	ug/L		93
44) c-1,3-Dichloropropene	7.886	75	456	0.39	ug/L	#	61
46) Toluene	8.147	91	3088	0.39	ug/L		91
47) Tetrachloroethene (PCE)	8.603	166	519	0.34	ug/L		96
48) 4-Methyl-2-Pentanone (...	8.603	43	1032	0.41	ug/L		83
49) t-1,3-Dichloropropene	8.646	75	319	0.91	ug/L		47
50) 1,1,2-Trichloroethane	8.810	97	523	0.33	ug/L		81
51) Dibromochloromethane	9.011	129	217	0.93	ug/L		89
52) 1,3-Dichloropropane	9.108	76	985	0.33	ug/L		85
53) 1,2-Dibromoethane (EDB)	9.254	107	346	0.23	ug/L		72
54) 2-Hexanone	9.503	43	341	0.66	ug/L		86
55) Chlorobenzene	9.753	112	1852	0.41	ug/L		79
56) Ethylbenzene	9.783	91	2537	0.34	ug/L		96
57) 1,1,1,2-Tetrachloroethane	9.826	131	306	0.54	ug/L	#	70
58) m,p-Xylenes (2)	9.923	91	3490	0.64	ug/L		97
59) o-Xylene	10.306	91	1764	0.32	ug/L		92
60) Styrene	10.361	104	981	0.40	ug/L		97
61) Bromoform	10.379	173	144	1.12	ug/L	#	36
62) Isopropylbenzene	10.574	105	1775	0.28	ug/L		93
65) Bromobenzene	10.902	156	570	0.38	ug/L		92
66) n-Propylbenzene	10.920	91	2303	0.33	ug/L		95
67) 1,1,2,2-Tetrachloroethane	10.987	83	658	0.36	ug/L		86
68) 2-Chlorotoluene	11.048	126	463	0.34	ug/L		90
69) 1,3,5-Trimethylbenzene	11.072	105	1451	0.32	ug/L		83
70) 1,2,3-Trichloropropane	11.091	110	200	0.29	ug/L	#	33
71) t-1,4-Dichloro-2-butene	0.000		0	N.D.			

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111808.D
Acq On : 18 Nov 2020 8:21 pm
Operator : TNL
Sample : 0k18062-CAL3
Misc : 1X 5mL 0.4ppb DI+MeOH
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 19 13:15:21 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Aug 13 21:24:28 2020
Response via : Initial Calibration

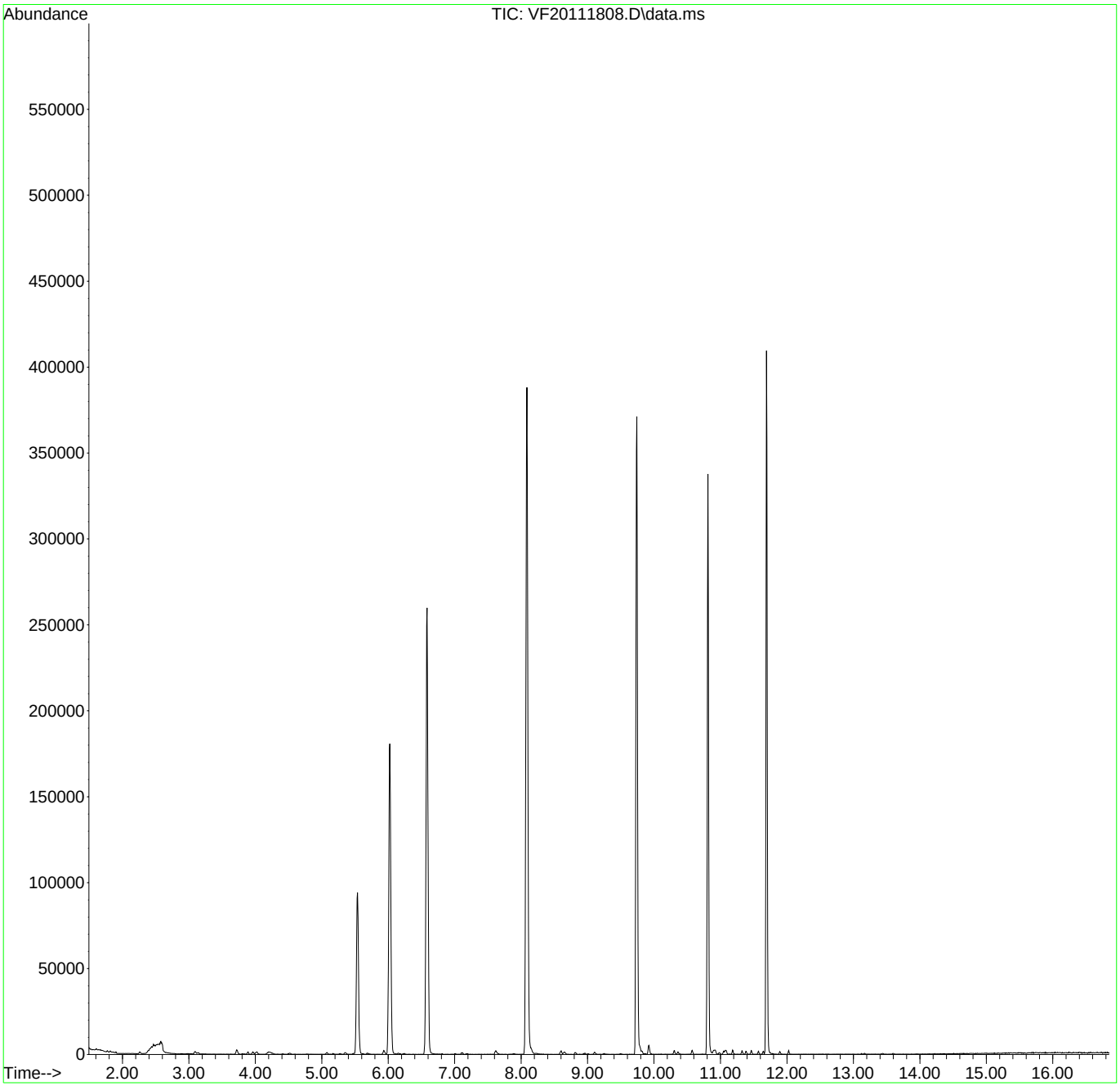
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 4-Chlorotoluene	11.182	91	1411	0.33	ug/L	97
73) tert-Butylbenzene	11.328	91	855	0.34	ug/L	92
74) 1,2,4-Trimethylbenzene	11.389	105	1409	0.31	ug/L	88
75) sec-Butylbenzene	11.468	105	1704	0.32	ug/L	95
76) 4-Isopropyltoluene	11.571	119	1233	0.29	ug/L	95
77) 1,3-Dichlorobenzene	11.644	146	882	0.35	ug/L	97
78) 1,4-Dichlorobenzene	11.711	146	1140	0.41	ug/L	94
79) n-Butylbenzene	11.893	91	1199	0.31	ug/L	95
80) 1,2-Dichlorobenzene	12.027	146	895	0.38	ug/L	95
81) 1,2-Dibromo-3-Chloropr...	0.000		0	N.D.		
82) Hexachlorobutadiene	0.000		0	N.D.		
83) 1,2,4-Trichlorobenzene	13.164	180	261	0.21	ug/L	69
84) Naphthalene	13.444	128	785	0.40	ug/L	78
85) 1,2,3-Trichlorobenzene	13.602	180	269	0.23	ug/L	75

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111808.D
Acq On : 18 Nov 2020 8:21 pm
Operator : TNL
Sample : 0k18062-CAL3
Misc : 1X 5mL 0.4ppb DI+MeOH
ALS Vial : 8 Sample Multiplier: 1

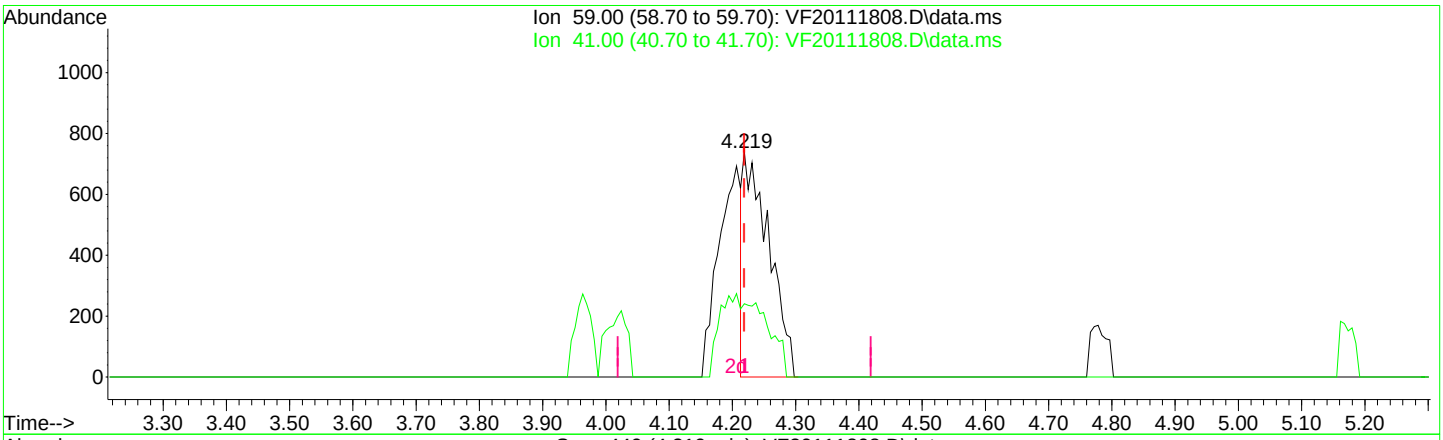
Quant Time: Nov 19 13:15:21 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Aug 13 21:24:28 2020
Response via : Initial Calibration

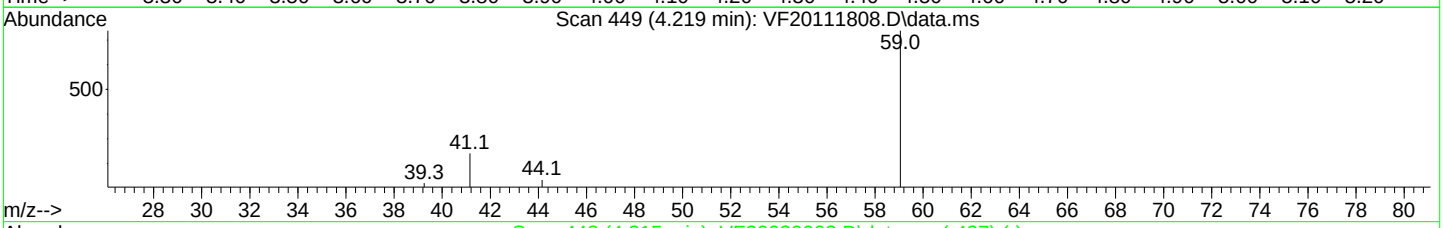


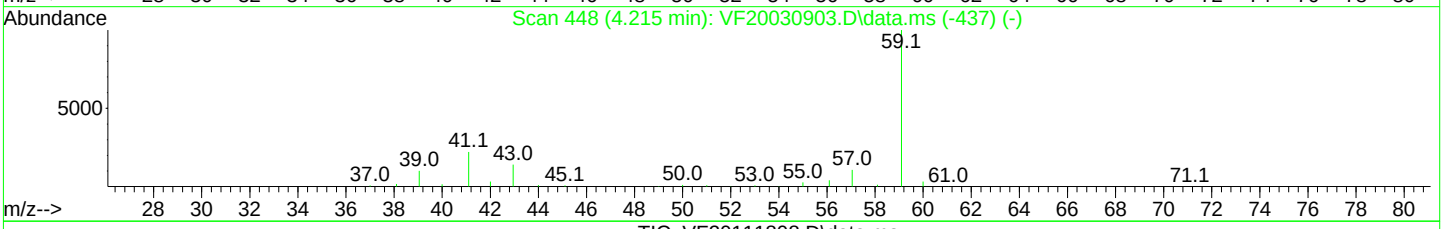
Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111808.D
Acq On : 18 Nov 2020 8:21 pm
Operator : TNL
Sample : 0k18062-CAL3
Misc : 1X 5mL 0.4ppb DI+MeOH
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 19 13:16:05 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:15:50 2020
Response via : Initial Calibration







TIC: VF20111808.D\data.ms

(18) tert-Butanol (TBA)

4.219min (0.000) 11.02 ug/L

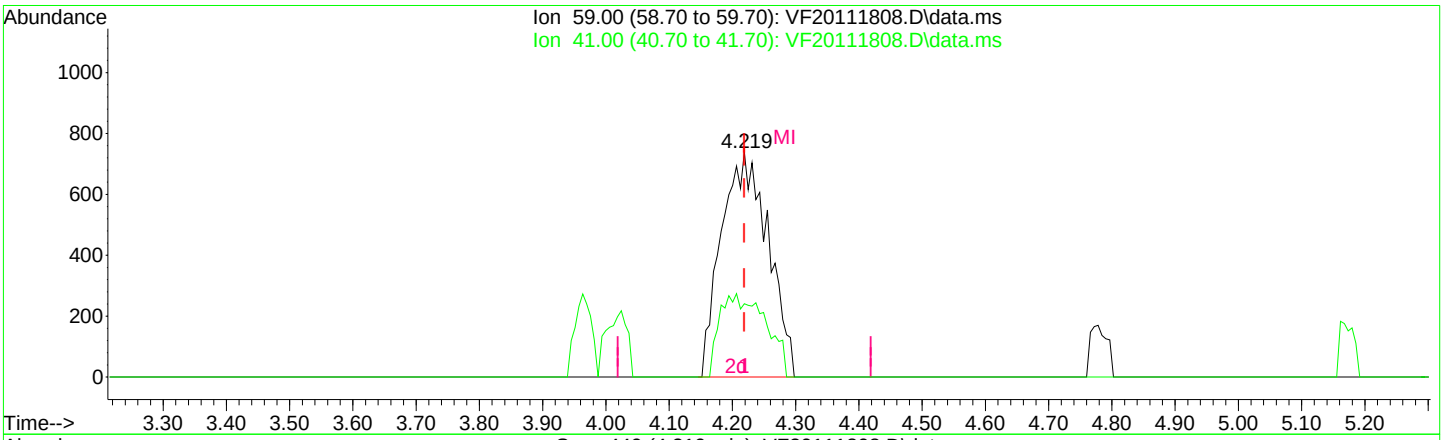
response 2088

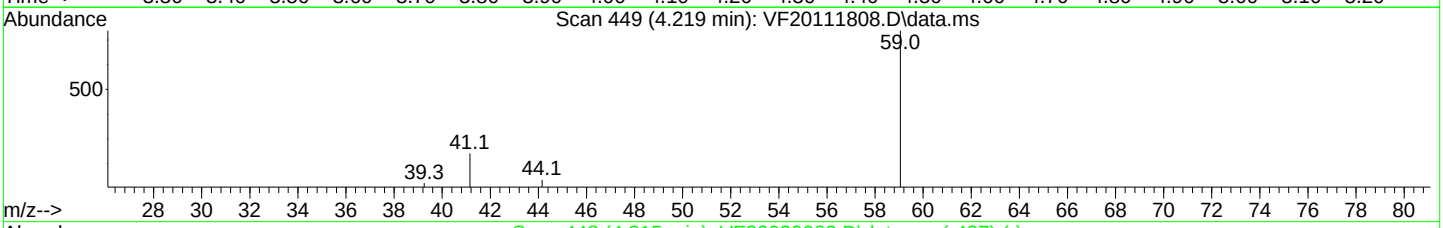
Ion	Exp%	Act%
59.00	100.00	100.00
41.00	28.80	32.66#
0.00	0.00	0.00
0.00	0.00	0.00

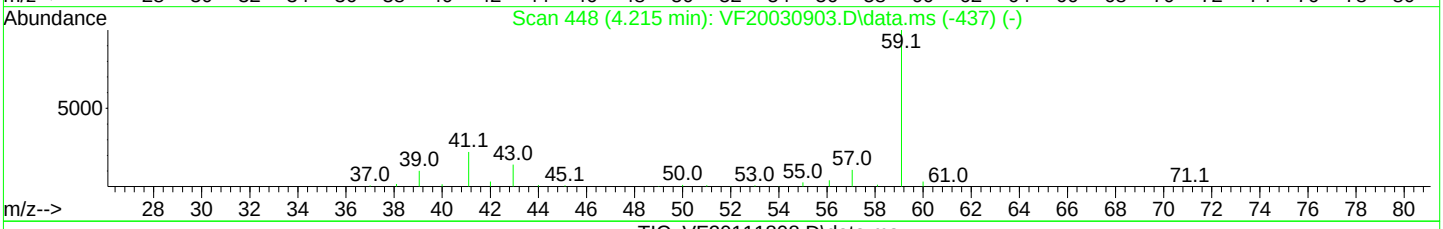
Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111808.D
Acq On : 18 Nov 2020 8:21 pm
Operator : TNL
Sample : 0k18062-CAL3
Misc : 1X 5mL 0.4ppb DI+MeOH
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 19 13:16:05 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:15:50 2020
Response via : Initial Calibration







TIC: VF20111808.D\data.ms

(18) tert-Butanol (TBA)

4.219min (0.000) 19.93 ug/L m

response 3777

Ion	Exp%	Act%
59.00	100.00	100.00
41.00	28.80	32.66#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111808.D
Acq On : 18 Nov 2020 8:21 pm
Operator : TNL
Sample : 0k18062-CAL3 11/20/20 TNL
Misc : 1X 5mL 0.4ppb DI+MeOH
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 19 13:17:33 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:15:50 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.019	99	76882	50.00	ug/L		0.00
43) Chlorobenzene-d5 (I)	9.741	117	208976	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.693	152	90784	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.532	111	63552	49.48	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.584	114	237778	52.60	ug/L		0.00
45) Toluene-d8 (S)	8.086	98	303847	48.96	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.811	174	80354	51.95	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.610	85	370	0.23	ug/L		87
3) Chloromethane	1.817	50	683	0.31	ug/L		85
4) Vinyl Chloride	1.902	62	388	0.20	ug/L		93
5) Bromomethane	2.261	96	675	0.54	ug/L		82
6) Chloroethane	0.000		0	N.D.	d		
7) Trichlorofluoromethane	2.540	101	199	0.17	ug/L		76
8) Ethanol	0.000		0	N.D.			
9) 1,1-Dichloroethene	3.082	61	693	0.29	ug/L		79
10) Carbon Disulfide	3.106	76	868	0.30	ug/L		77
11) Freon 113	3.136	101	404	0.32	ug/L	#	60
12) Iodomethane	0.000		0	N.D.			
13) Methylene Chloride	3.720	84	1463	0.91	ug/L		94
14) Acetone	0.000		0	N.D.	d		
15) t-1,2-Dichloroethene	3.890	61	752	0.33	ug/L		95
16) n-Hexane	0.000		0	N.D.			
17) Methyl-tert-butyl-ether	4.018	73	1756	0.36	ug/L		96
18) tert-Butanol (TBA)	4.219	59	3777m	19.93	ug/L		
19) Diisopropyl ether (DIPE)	4.419	45	364	0.06	ug/L	#	33
20) 1,1-Dichloroethane	4.517	63	1090	0.36	ug/L		83
21) Acrylonitrile	0.000		0	N.D.			
22) Ethyl-tert-butyl ether...	0.000		0	N.D.	d		
23) c-1,2-Dichloroethene	5.076	61	649	0.28	ug/L		91
24) 2,2-Dichloropropane	5.167	77	367	0.22	ug/L		75
25) Bromochloromethane	5.283	49	403	0.26	ug/L		79
26) Chloroform	5.350	83	1004	0.39	ug/L		97
27) Carbon Tetrachloride	5.478	117	413	0.48	ug/L		74

Quantitation Report (QT Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111808.D
Acq On : 18 Nov 2020 8:21 pm
Operator : TNL
Sample : 0k18062-CAL3
Misc : 1X 5mL 0.4ppb DI+MeOH
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 19 13:17:33 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:15:50 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
28) Tetrahydrofuran	0.000		0	N.D.			
29) 1,1,1-Trichloroethane	5.557	97	689	0.33	ug/L		94
31) 1,1-Dichloropropene	5.684	75	742	0.35	ug/L		89
32) 2-Butanone (MEK)	0.000		0	N.D.	d		
33) Benzene	5.934	78	2630	0.38	ug/L		94
34) tert-Amyl methyl ether...	6.061	73	304	0.07	ug/L		50
35) 1,2-Dichloroethane (EDC)	6.153	62	777	0.33	ug/L		88
36) iso-Butyl Alcohol	6.244	43	387	4.26	ug/L		96
38) Trichloroethene (TCE)	6.560	130	535	0.34	ug/L	#	78
39) tert-Amyl ethyl ether ...	0.000		0	N.D.	d		
40) Dibromomethane	7.016	93	231	0.24	ug/L	#	47
41) 1,2-Dichloropropane	7.107	63	555	0.30	ug/L		91
42) Bromodichloromethane	7.186	83	451	0.46	ug/L		93
44) c-1,3-Dichloropropene	7.886	75	456	0.39	ug/L	#	61
46) Toluene	8.147	91	3088	0.39	ug/L		91
47) Tetrachloroethene (PCE)	8.603	166	519	0.34	ug/L		96
48) 4-Methyl-2-Pentanone (...	8.603	43	1032	0.41	ug/L		83
49) t-1,3-Dichloropropene	0.000		0	N.D.	d		
50) 1,1,2-Trichloroethane	8.810	97	523	0.33	ug/L		81
51) Dibromochloromethane	9.011	129	217	0.93	ug/L		89
52) 1,3-Dichloropropane	9.108	76	985	0.33	ug/L		85
53) 1,2-Dibromoethane (EDB)	9.254	107	346	0.23	ug/L		72
54) 2-Hexanone	9.503	43	341	0.66	ug/L		86
55) Chlorobenzene	9.753	112	1852	0.41	ug/L		79
56) Ethylbenzene	9.783	91	2537	0.34	ug/L		96
57) 1,1,1,2-Tetrachloroethane	9.826	131	306	0.54	ug/L	#	70
58) m,p-Xylenes (2)	9.923	91	3490	0.64	ug/L		97
59) o-Xylene	10.306	91	1764	0.32	ug/L		92
60) Styrene	10.361	104	981	0.40	ug/L		97
61) Bromoform	0.000		0	N.D.	d		
62) Isopropylbenzene	10.574	105	1775	0.28	ug/L		93
65) Bromobenzene	10.902	156	570	0.38	ug/L		92
66) n-Propylbenzene	10.920	91	2303	0.33	ug/L		95
67) 1,1,2,2-Tetrachloroethane	10.987	83	658	0.36	ug/L		86
68) 2-Chlorotoluene	11.048	126	463	0.34	ug/L		90
69) 1,3,5-Trimethylbenzene	11.072	105	1451	0.32	ug/L		83
70) 1,2,3-Trichloropropane	11.091	110	200	0.29	ug/L	#	33
71) t-1,4-Dichloro-2-butene	0.000		0	N.D.			

Quantitation Report (QT Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111808.D
Acq On : 18 Nov 2020 8:21 pm
Operator : TNL
Sample : 0k18062-CAL3
Misc : 1X 5mL 0.4ppb DI+MeOH
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 19 13:17:33 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:15:50 2020
Response via : Initial Calibration

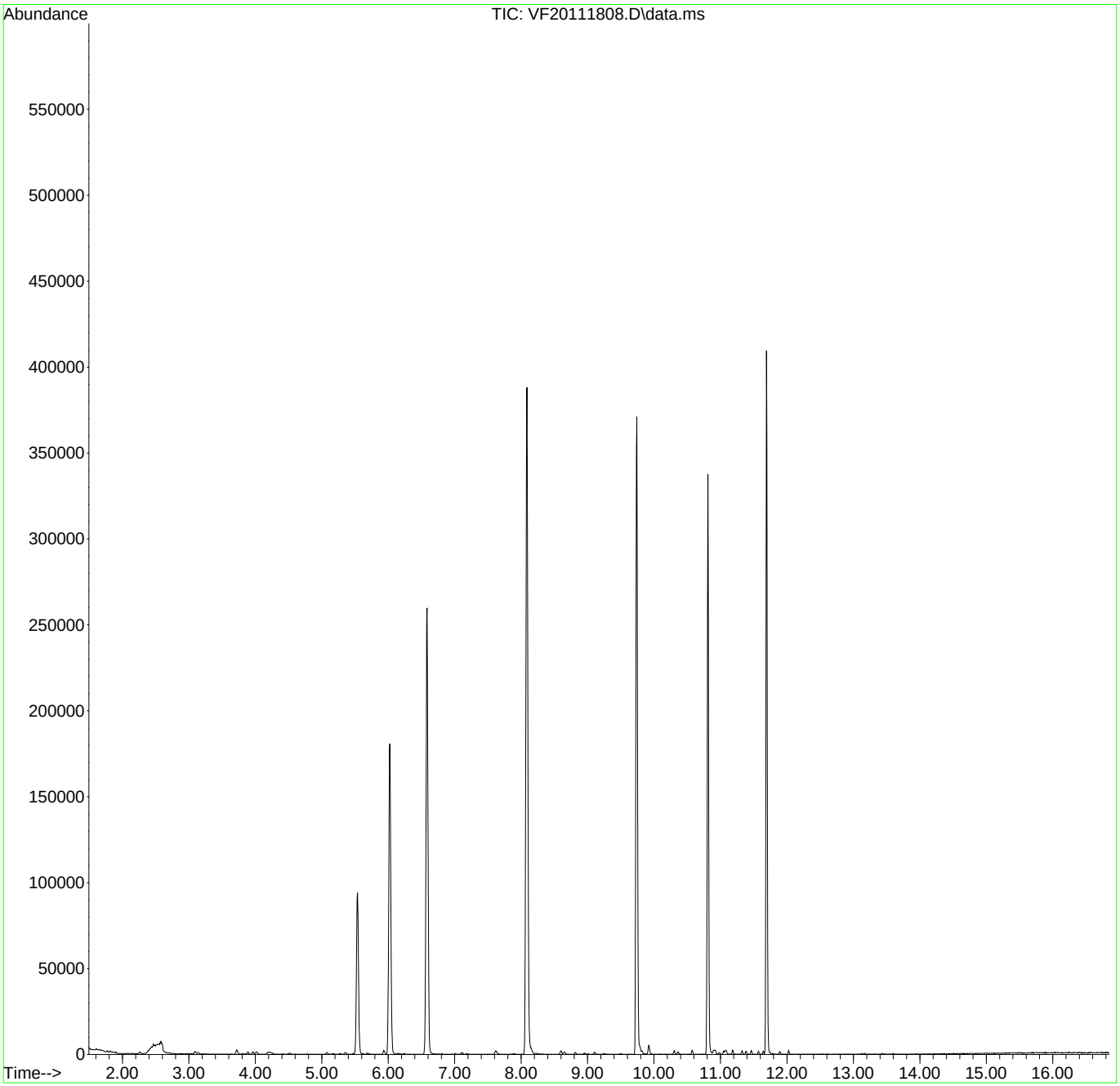
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 4-Chlorotoluene	11.182	91	1411	0.33	ug/L	97
73) tert-Butylbenzene	11.328	91	855	0.34	ug/L	92
74) 1,2,4-Trimethylbenzene	11.389	105	1409	0.31	ug/L	88
75) sec-Butylbenzene	11.468	105	1704	0.32	ug/L	95
76) 4-Isopropyltoluene	11.571	119	1233	0.29	ug/L	95
77) 1,3-Dichlorobenzene	11.644	146	882	0.35	ug/L	97
78) 1,4-Dichlorobenzene	11.711	146	1140	0.41	ug/L	94
79) n-Butylbenzene	11.893	91	1199	0.31	ug/L	95
80) 1,2-Dichlorobenzene	12.027	146	895	0.38	ug/L	95
81) 1,2-Dibromo-3-Chloropr...	0.000		0	N.D.		
82) Hexachlorobutadiene	0.000		0	N.D.		
83) 1,2,4-Trichlorobenzene	13.164	180	261	0.21	ug/L	69
84) Naphthalene	13.444	128	785	0.40	ug/L	78
85) 1,2,3-Trichlorobenzene	13.602	180	269	0.23	ug/L	75

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111808.D
Acq On : 18 Nov 2020 8:21 pm
Operator : TNL
Sample : 0k18062-CAL3
Misc : 1X 5mL 0.4ppb DI+MeOH
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 19 13:17:33 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:15:50 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111809.D
Acq On : 18 Nov 2020 8:48 pm
Operator : TNL
Sample : 0k18062-CAL4
Misc : 1X 5mL 1ppb DI+MeOH
ALS Vial : 9 Sample Multiplier: 1

11/20/20 TNL

Quant Time: Nov 19 13:18:23 2020
Quant Method : Y:\METHODS\~~VF201119S.M~~
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:15:50 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.015	99	71760	50.00	ug/L		0.00
43) Chlorobenzene-d5 (I)	9.737	117	195748	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.695	152	87778	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.528	111	61014	50.89	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.581	114	223356	52.94	ug/L		0.00
45) Toluene-d8 (S)	8.083	98	284112	48.87	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.813	174	77029	51.51	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.600	85	1041	0.68	ug/L		95
3) Chloromethane	1.801	50	1575	0.77	ug/L		86
4) Vinyl Chloride	1.886	62	1023	0.57	ug/L		93
5) Bromomethane	2.251	96	1266	1.09	ug/L		98
6) Chloroethane	2.378	64	295	0.58	ug/L	#	1
7) Trichlorofluoromethane	2.512	101	1252	1.18	ug/L		98
8) Ethanol	3.157	45	969	64.56	ug/L		82
9) 1,1-Dichloroethene	3.078	61	1781	0.79	ug/L		87
10) Carbon Disulfide	3.096	76	2132	0.79	ug/L		99
11) Freon 113	3.126	101	1224	1.03	ug/L		77
12) Iodomethane	0.000		0	N.D.			
13) Methylene Chloride	3.710	84	2295	1.53	ug/L		97
14) Acetone	3.795	43	1043	1.64	ug/L		85
15) t-1,2-Dichloroethene	3.874	61	1967	0.92	ug/L		92
16) n-Hexane	3.953	86	142	0.54	ug/L	#	91
17) Methyl-tert-butyl-ether	4.008	73	4272	0.95	ug/L		92
18) tert-Butanol (TBA)	4.160	59	10752	60.77	ug/L	#	88
19) Diisopropyl ether (DIPE)	4.403	45	1079	0.20	ug/L		93
20) 1,1-Dichloroethane	4.507	63	2792	0.98	ug/L		93
21) Acrylonitrile	4.604	53	165	0.22	ug/L	#	14
22) Ethyl-tert-butyl ether...	4.762	59	1016	0.24	ug/L		96
23) c-1,2-Dichloroethene	5.066	61	1867	0.87	ug/L		92
24) 2,2-Dichloropropane	5.164	77	1113	0.73	ug/L		78
25) Bromochloromethane	5.267	49	973	0.68	ug/L		90
26) Chloroform	5.346	83	2532	1.04	ug/L		96
27) Carbon Tetrachloride	5.468	117	1120	1.07	ug/L		81

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111809.D
Acq On : 18 Nov 2020 8:48 pm
Operator : TNL
Sample : 0k18062-CAL4
Misc : 1X 5mL 1ppb DI+MeOH
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 19 13:18:23 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:15:50 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
28) Tetrahydrofuran	5.528	42	391	0.50	ug/L		92
29) 1,1,1-Trichloroethane	5.541	97	1833	0.95	ug/L		95
31) 1,1-Dichloropropene	5.674	75	1895	0.95	ug/L		96
32) 2-Butanone (MEK)	5.687	43	1005	0.93	ug/L		85
33) Benzene	5.930	78	6864	1.05	ug/L		97
34) tert-Amyl methyl ether...	6.064	73	955	0.24	ug/L		74
35) 1,2-Dichloroethane (EDC)	6.143	62	2070	0.95	ug/L		89
36) iso-Butyl Alcohol	6.264	43	269	3.18	ug/L		95
38) Trichloroethene (TCE)	6.544	130	1493	1.03	ug/L		93
39) tert-Amyl ethyl ether ...	6.799	59	566	0.19	ug/L	#	62
40) Dibromomethane	7.000	93	784	0.89	ug/L		87
41) 1,2-Dichloropropane	7.110	63	1591	0.92	ug/L		94
42) Bromodichloromethane	7.189	83	1211	1.01	ug/L		92
44) c-1,3-Dichloropropene	7.882	75	1397	0.81	ug/L		99
46) Toluene	8.143	91	7133	0.96	ug/L		93
47) Tetrachloroethene (PCE)	8.600	166	1325	0.91	ug/L		99
48) 4-Methyl-2-Pentanone (...	8.600	43	2927	1.23	ug/L		97
49) t-1,3-Dichloropropene	8.642	75	999	1.22	ug/L		84
50) 1,1,2-Trichloroethane	8.812	97	1397	0.93	ug/L		86
51) Dibromochloromethane	9.001	129	729	1.39	ug/L		90
52) 1,3-Dichloropropane	9.104	76	2517	0.90	ug/L		98
53) 1,2-Dibromoethane (EDB)	9.250	107	1161	0.81	ug/L		89
54) 2-Hexanone	9.487	43	1554	1.38	ug/L		91
55) Chlorobenzene	9.755	112	4328	1.02	ug/L		94
56) Ethylbenzene	9.785	91	6748	0.95	ug/L		97
57) 1,1,1,2-Tetrachloroethane	9.816	131	970	1.08	ug/L		94
58) m,p-Xylenes (2)	9.919	91	9478	1.87	ug/L		94
59) o-Xylene	10.302	91	4455	0.87	ug/L		95
60) Styrene	10.357	104	2828	0.86	ug/L		94
61) Bromoform	10.381	173	507	1.62	ug/L		77
62) Isopropylbenzene	10.570	105	4934	0.84	ug/L		96
65) Bromobenzene	10.898	156	1499	1.02	ug/L	#	78
66) n-Propylbenzene	10.917	91	5956	0.87	ug/L		99
67) 1,1,2,2-Tetrachloroethane	10.983	83	1803	1.01	ug/L		98
68) 2-Chlorotoluene	11.044	126	1272	0.96	ug/L	#	83
69) 1,3,5-Trimethylbenzene	11.075	105	3693	0.85	ug/L		98
70) 1,2,3-Trichloropropane	11.087	110	638	0.97	ug/L	#	77
71) t-1,4-Dichloro-2-butene	0.000		0	N.D.			

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111809.D
Acq On : 18 Nov 2020 8:48 pm
Operator : TNL
Sample : 0k18062-CAL4
Misc : 1X 5mL 1ppb DI+MeOH
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 19 13:18:23 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:15:50 2020
Response via : Initial Calibration

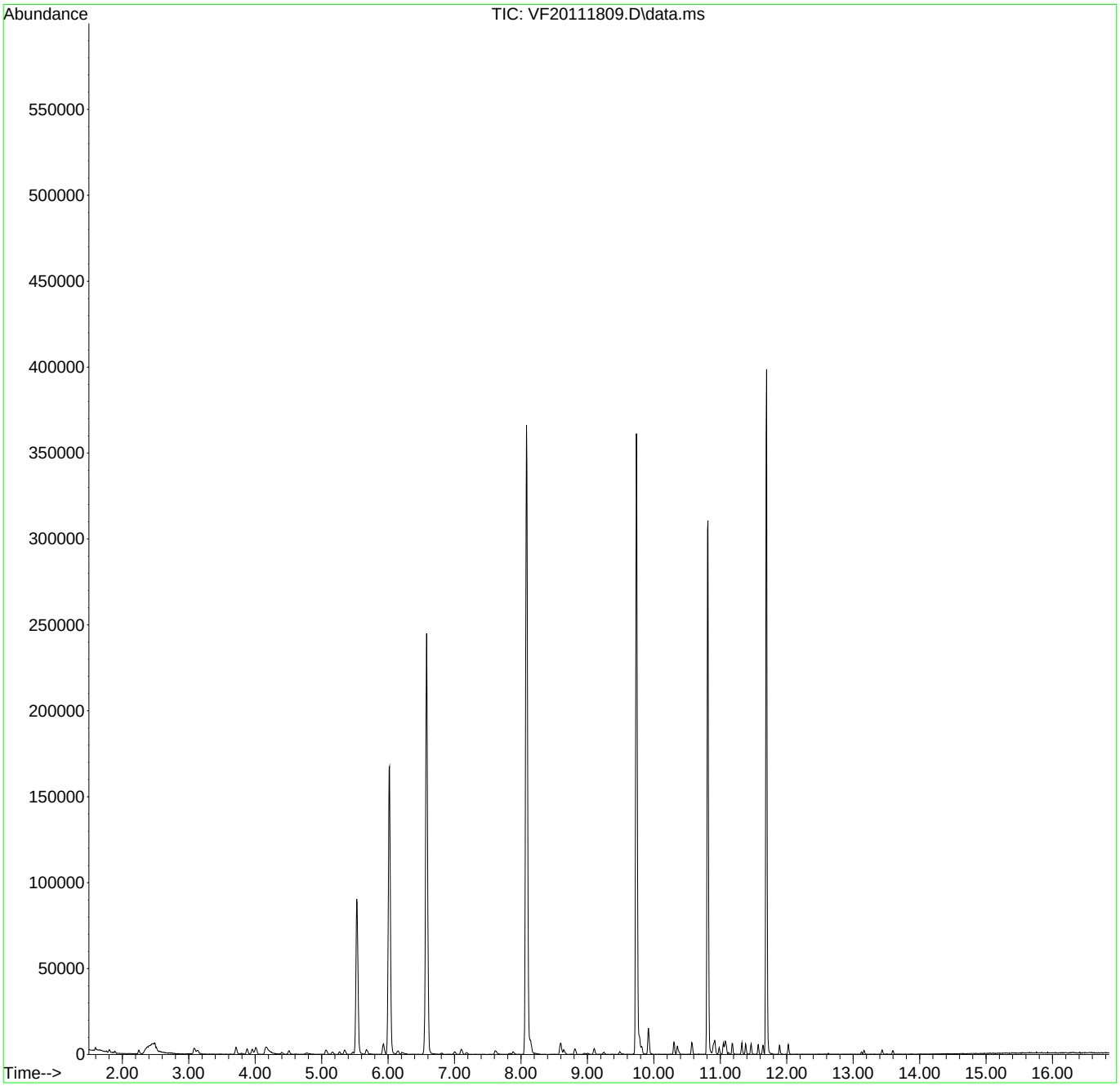
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
72) 4-Chlorotoluene	11.178	91	3808	0.93	ug/L		98
73) tert-Butylbenzene	11.324	91	2288	0.94	ug/L		82
74) 1,2,4-Trimethylbenzene	11.379	105	3578	0.82	ug/L		93
75) sec-Butylbenzene	11.464	105	4324	0.83	ug/L		98
76) 4-Isopropyltoluene	11.573	119	3371	0.81	ug/L		94
77) 1,3-Dichlorobenzene	11.640	146	2372	0.97	ug/L		96
78) 1,4-Dichlorobenzene	11.707	146	2648	0.97	ug/L		92
79) n-Butylbenzene	11.890	91	3037	0.82	ug/L		91
80) 1,2-Dichlorobenzene	12.023	146	2173	0.95	ug/L		96
81) 1,2-Dibromo-3-Chloropr...	12.631	157	184	2.02	ug/L	#	63
82) Hexachlorobutadiene	13.124	223	267	0.83	ug/L		90
83) 1,2,4-Trichlorobenzene	13.161	180	904	0.75	ug/L		87
84) Naphthalene	13.434	128	2238	0.73	ug/L		97
85) 1,2,3-Trichlorobenzene	13.592	180	913	0.79	ug/L		93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111809.D
Acq On : 18 Nov 2020 8:48 pm
Operator : TNL
Sample : 0k18062-CAL4
Misc : 1X 5mL 1ppb DI+MeOH
ALS Vial : 9 Sample Multiplier: 1

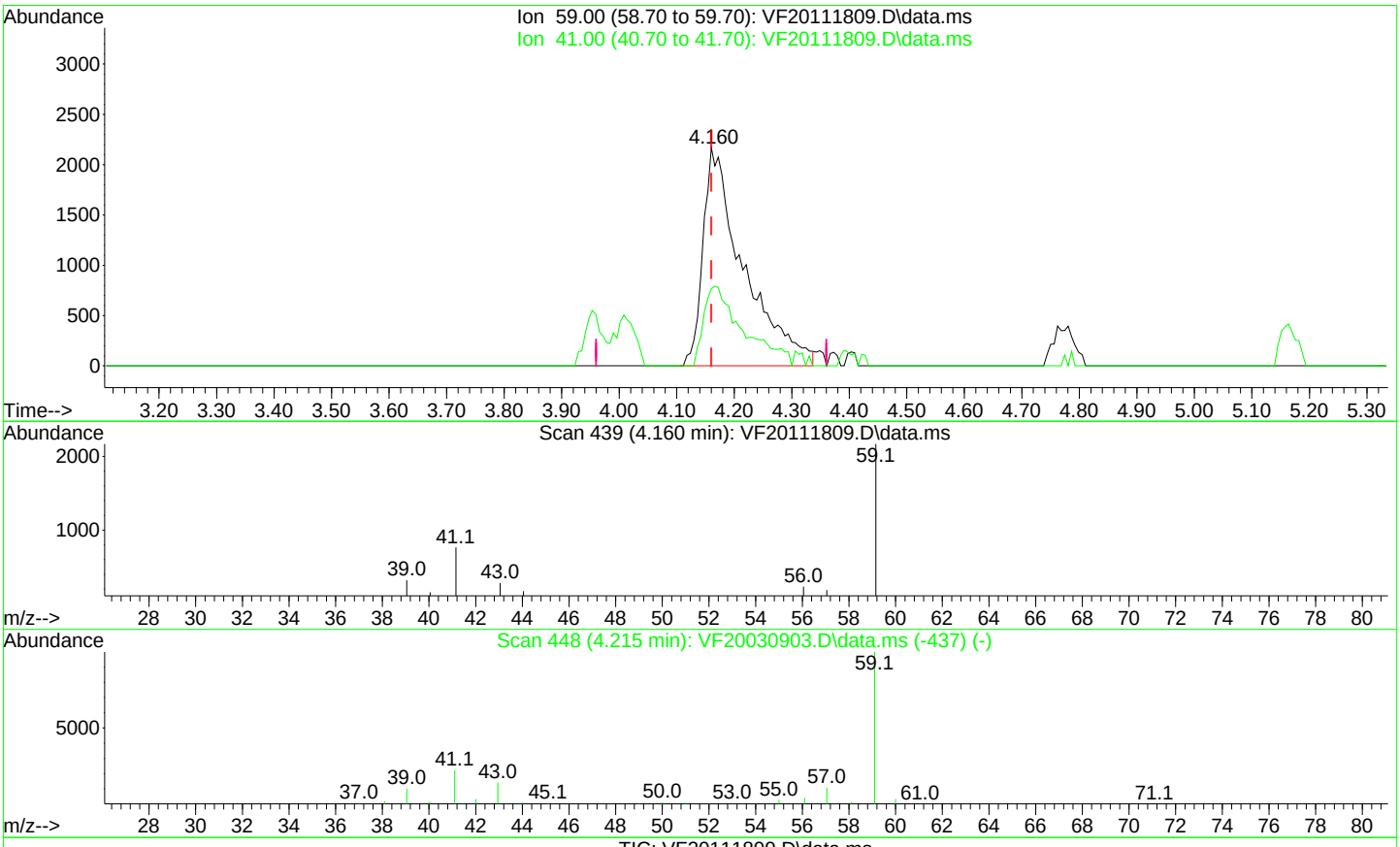
Quant Time: Nov 19 13:18:23 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:15:50 2020
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111809.D
Acq On : 18 Nov 2020 8:48 pm
Operator : TNL
Sample : 0k18062-CAL4
Misc : 1X 5mL 1ppb DI+MeOH
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 19 13:18:58 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:18:47 2020
Response via : Initial Calibration



TIC: VF20111809.D\data.ms

(18) tert-Butanol (TBA)

4.160min (0.000) 59.91 ug/L

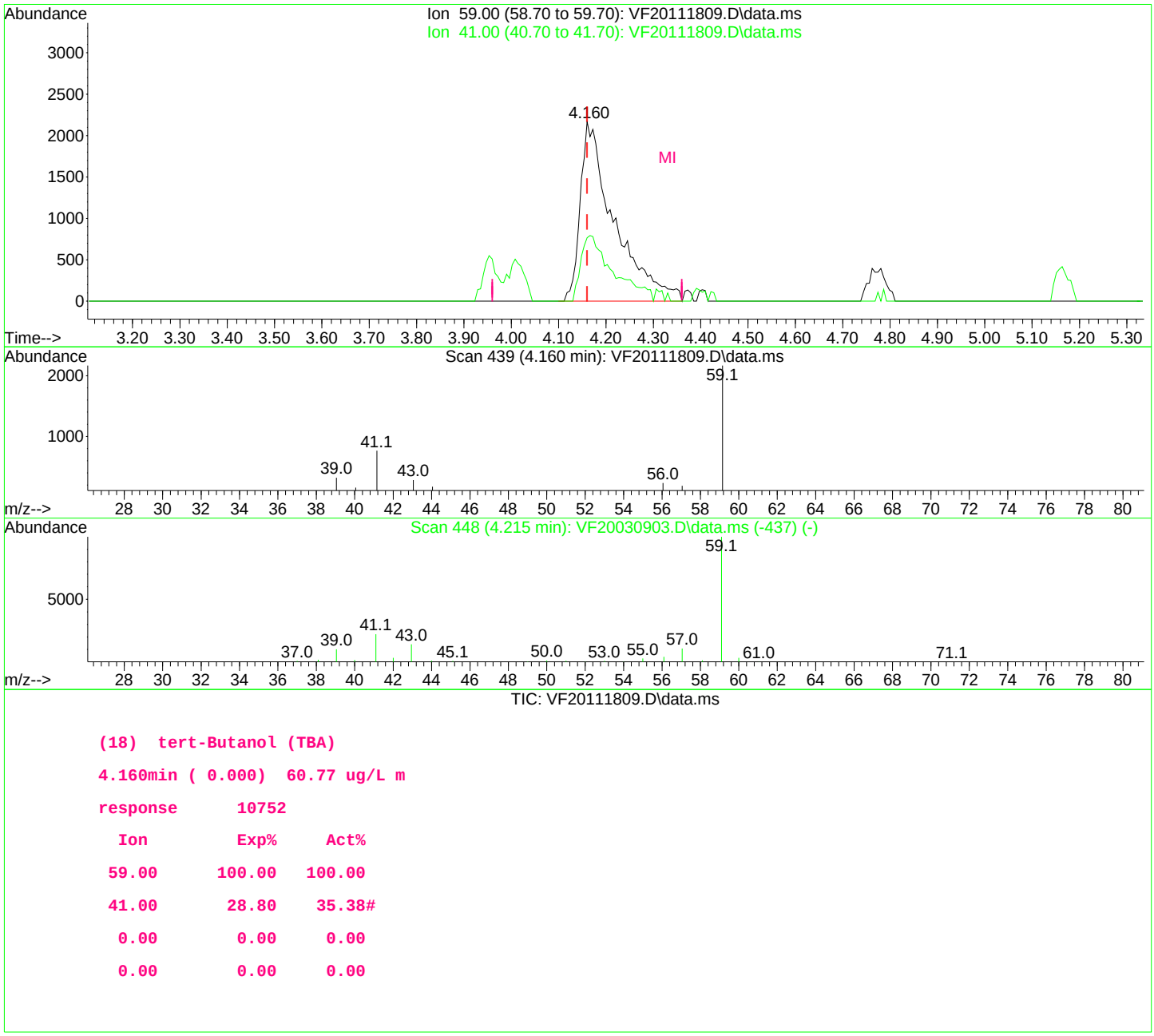
response 10600

Ion	Exp%	Act%
59.00	100.00	100.00
41.00	28.80	35.38#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111809.D
Acq On : 18 Nov 2020 8:48 pm
Operator : TNL
Sample : 0k18062-CAL4
Misc : 1X 5mL 1ppb DI+MeOH
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 19 13:18:58 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:18:47 2020
Response via : Initial Calibration



TIC: VF20111809.D\data.ms

(18) tert-Butanol (TBA)

4.160min (0.000) 60.77 ug/L m

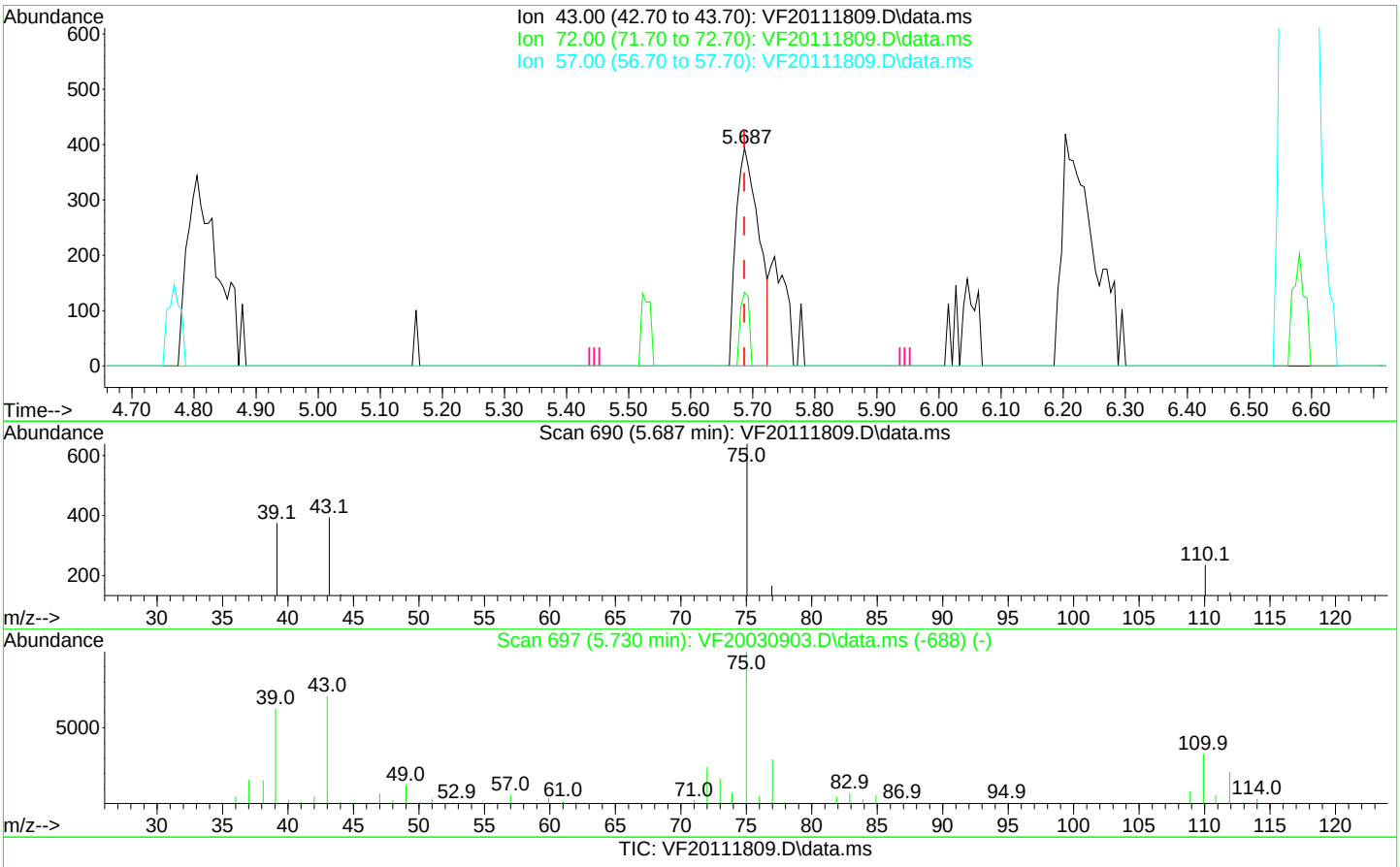
response 10752

Ion	Exp%	Act%
59.00	100.00	100.00
41.00	28.80	35.38#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111809.D
Acq On : 18 Nov 2020 8:48 pm
Operator : TNL
Sample : 0k18062-CAL4
Misc : 1X 5mL 1ppb DI+MeOH
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 19 13:18:58 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:18:47 2020
Response via : Initial Calibration



TIC: VF20111809.D\data.ms

(32) 2-Butanone (MEK)

5.687min (0.000) 0.93 ug/L

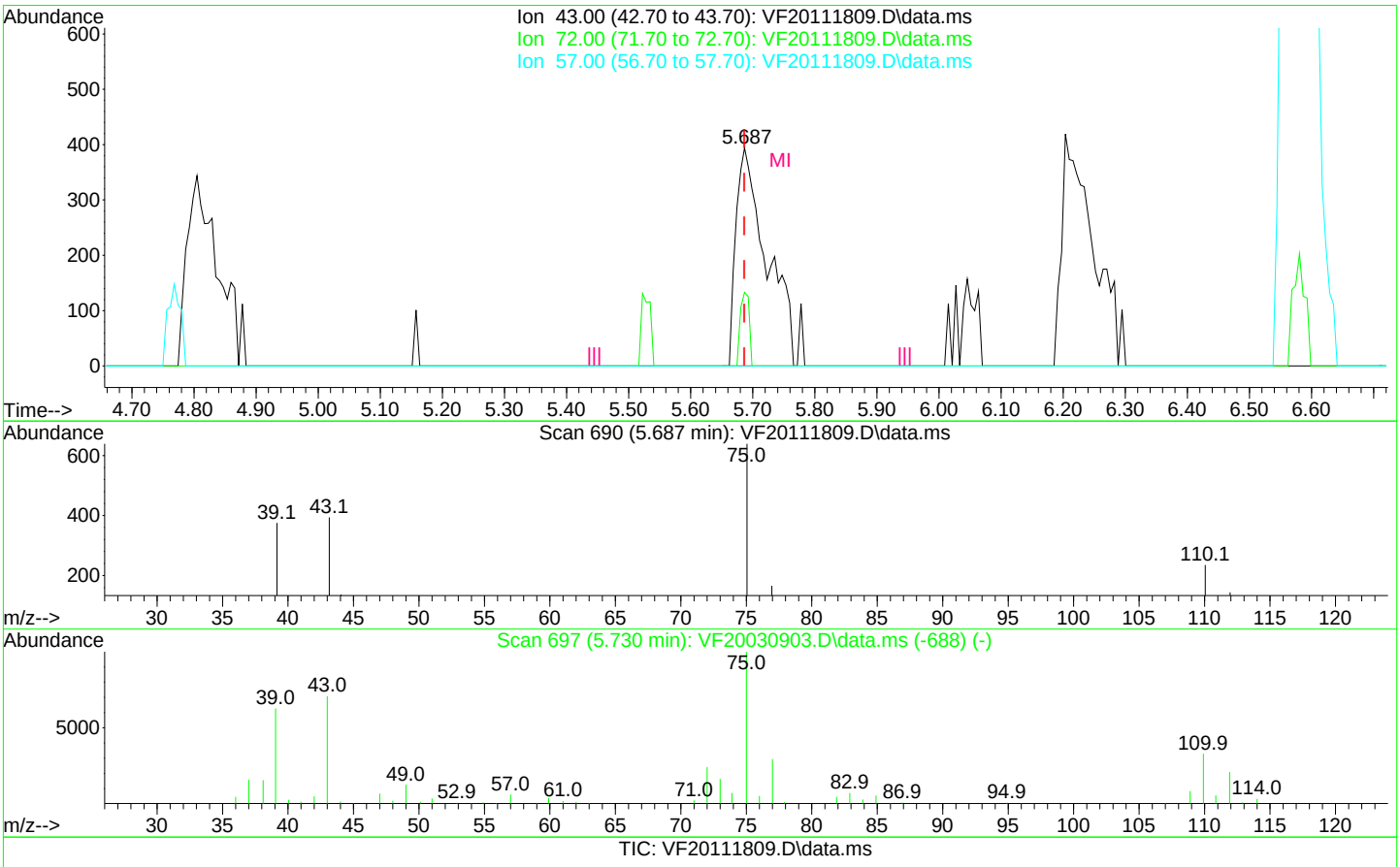
response 1005

Ion	Exp%	Act%
43.00	100.00	100.00
72.00	27.60	33.76
57.00	8.60	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111809.D
Acq On : 18 Nov 2020 8:48 pm
Operator : TNL
Sample : 0k18062-CAL4
Misc : 1X 5mL 1ppb DI+MeOH
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 19 13:18:58 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:18:47 2020
Response via : Initial Calibration



TIC: VF20111809.D\data.ms

(32) 2-Butanone (MEK)

5.687min (0.000) 1.25 ug/L m

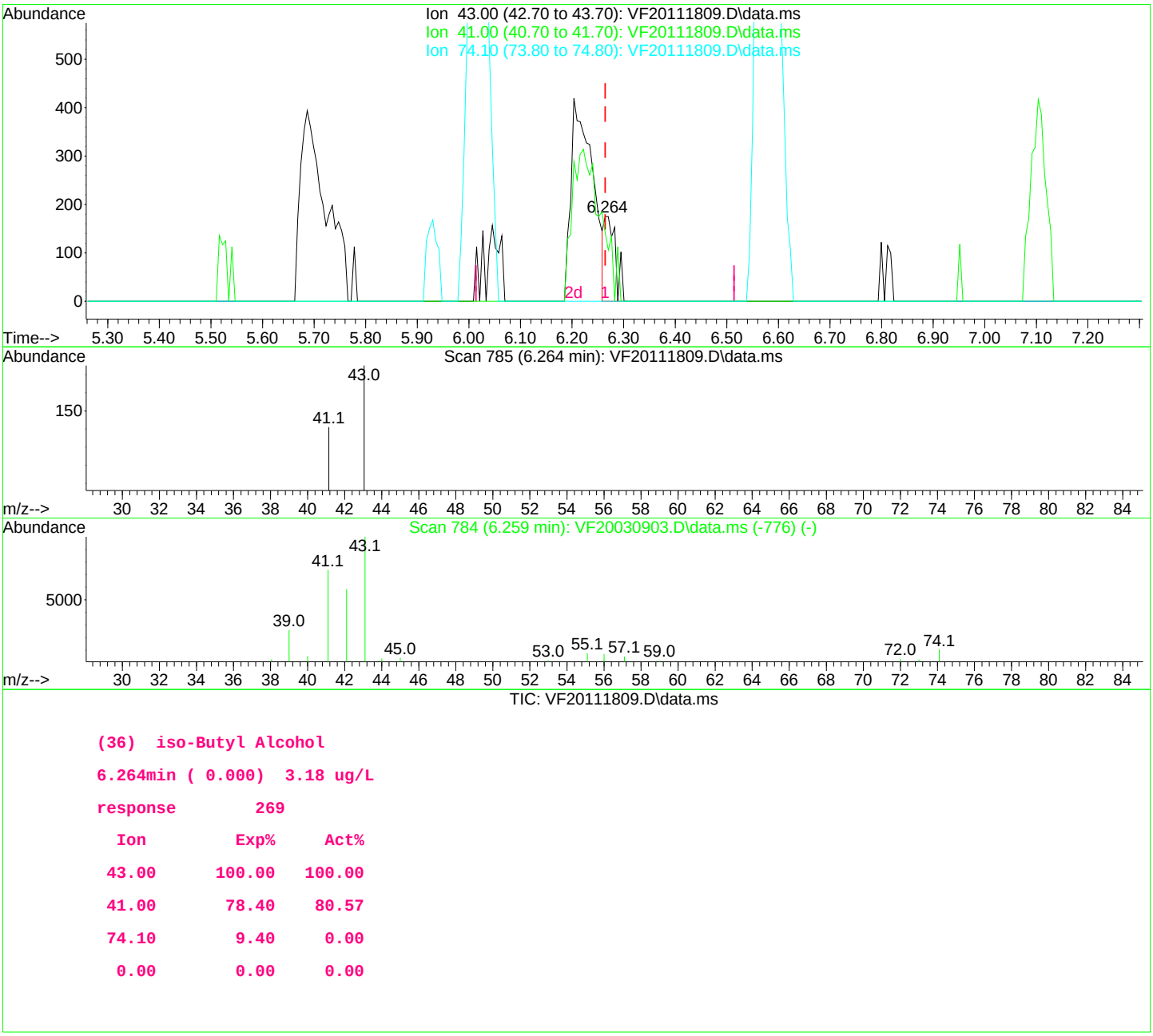
response 1353

Ion	Exp%	Act%
43.00	100.00	100.00
72.00	27.60	33.76
57.00	8.60	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111809.D
Acq On : 18 Nov 2020 8:48 pm
Operator : TNL
Sample : 0k18062-CAL4
Misc : 1X 5mL 1ppb DI+MeOH
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 19 13:18:58 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:18:47 2020
Response via : Initial Calibration



TIC: VF20111809.D\data.ms

(36) iso-Butyl Alcohol

6.264min (0.000) 3.18 ug/L

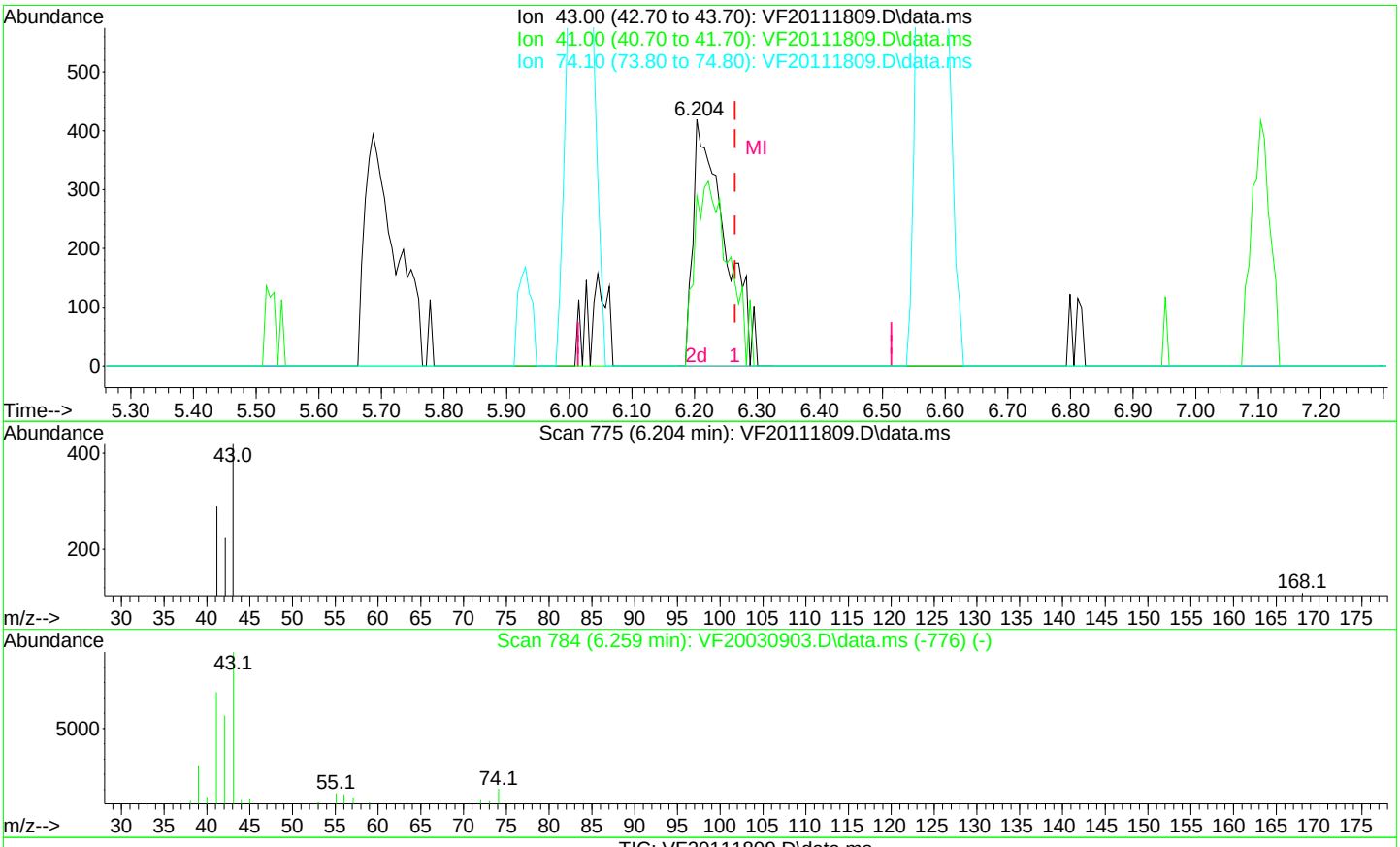
response 269

Ion	Exp%	Act%
43.00	100.00	100.00
41.00	78.40	80.57
74.10	9.40	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111809.D
Acq On : 18 Nov 2020 8:48 pm
Operator : TNL
Sample : 0k18062-CAL4
Misc : 1X 5mL 1ppb DI+MeOH
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 19 13:18:58 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:18:47 2020
Response via : Initial Calibration



TIC: VF20111809.D\data.ms

(36) iso-Butyl Alcohol

6.204min (-0.061) 17.47 ug/L m

response 1480

Ion	Exp%	Act%
43.00	100.00	100.00
41.00	78.40	68.97
74.10	9.40	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111809.D
Acq On : 18 Nov 2020 8:48 pm
Operator : TNL
Sample : 0k18062-CAL4
Misc : 1X 5mL 1ppb DI+MeOH
ALS Vial : 9 Sample Multiplier: 1

11/20/20 TNL

Quant Time: Nov 19 13:20:38 2020
Quant Method : Y:\METHODS\~~VF201119S.M~~
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:18:47 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.015	99	71760	50.00	ug/L		0.00
43) Chlorobenzene-d5 (I)	9.737	117	195748	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.695	152	87778	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.528	111	61014	50.89	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.581	114	223356	52.94	ug/L		0.00
45) Toluene-d8 (S)	8.083	98	284112	48.87	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.813	174	77029	51.51	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.600	85	1041	0.68	ug/L		95
3) Chloromethane	1.801	50	1575	0.77	ug/L		86
4) Vinyl Chloride	1.886	62	1023	0.57	ug/L		93
5) Bromomethane	2.251	96	1266	1.09	ug/L		98
6) Chloroethane	2.378	64	295	0.58	ug/L	#	1
7) Trichlorofluoromethane	2.512	101	1252	1.18	ug/L		98
8) Ethanol	3.157	45	969	64.56	ug/L		82
9) 1,1-Dichloroethene	3.078	61	1781	0.79	ug/L		87
10) Carbon Disulfide	3.096	76	2132	0.79	ug/L		99
11) Freon 113	3.126	101	1224	1.03	ug/L		77
12) Iodomethane	0.000		0	N.D.			
13) Methylene Chloride	3.710	84	2295	1.53	ug/L		97
14) Acetone	3.795	43	1043	1.64	ug/L		85
15) t-1,2-Dichloroethene	3.874	61	1967	0.92	ug/L		92
16) n-Hexane	3.953	86	142	0.54	ug/L	#	91
17) Methyl-tert-butyl-ether	4.008	73	4272	0.95	ug/L		92
18) tert-Butanol (TBA)	4.160	59	10752m	60.77	ug/L		
19) Diisopropyl ether (DIPE)	4.403	45	1079	0.20	ug/L		93
20) 1,1-Dichloroethane	4.507	63	2792	0.98	ug/L		93
21) Acrylonitrile	0.000		0	N.D.	d		
22) Ethyl-tert-butyl ether...	4.762	59	1016	0.24	ug/L		96
23) c-1,2-Dichloroethene	5.066	61	1867	0.87	ug/L		92
24) 2,2-Dichloropropane	5.164	77	1113	0.73	ug/L		78
25) Bromochloromethane	5.267	49	973	0.68	ug/L		90
26) Chloroform	5.346	83	2532	1.04	ug/L		96
27) Carbon Tetrachloride	5.468	117	1120	1.07	ug/L		81

Quantitation Report (QT Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111809.D
Acq On : 18 Nov 2020 8:48 pm
Operator : TNL
Sample : 0k18062-CAL4
Misc : 1X 5mL 1ppb DI+MeOH
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 19 13:20:38 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:18:47 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
28) Tetrahydrofuran	5.528	42	391	0.50	ug/L		92
29) 1,1,1-Trichloroethane	5.541	97	1833	0.95	ug/L		95
31) 1,1-Dichloropropene	5.674	75	1895	0.95	ug/L		96
32) 2-Butanone (MEK)	5.687	43	1353m	1.25	ug/L		
33) Benzene	5.930	78	6864	1.05	ug/L		97
34) tert-Amyl methyl ether...	6.064	73	955	0.24	ug/L		74
35) 1,2-Dichloroethane (EDC)	6.143	62	2070	0.95	ug/L		89
36) iso-Butyl Alcohol	6.204	43	1480m	17.47	ug/L		
38) Trichloroethene (TCE)	6.544	130	1493	1.03	ug/L		93
39) tert-Amyl ethyl ether ...	6.799	59	566	0.19	ug/L	#	62
40) Dibromomethane	7.000	93	784	0.89	ug/L		87
41) 1,2-Dichloropropane	7.110	63	1591	0.92	ug/L		94
42) Bromodichloromethane	7.189	83	1211	1.01	ug/L		92
44) c-1,3-Dichloropropene	7.882	75	1397	0.81	ug/L		99
46) Toluene	8.143	91	7133	0.96	ug/L		93
47) Tetrachloroethene (PCE)	8.600	166	1325	0.91	ug/L		99
48) 4-Methyl-2-Pentanone (...	8.600	43	2927	1.23	ug/L		97
49) t-1,3-Dichloropropene	8.642	75	999	1.22	ug/L		84
50) 1,1,2-Trichloroethane	8.812	97	1397	0.93	ug/L		86
51) Dibromochloromethane	9.001	129	729	1.39	ug/L		90
52) 1,3-Dichloropropane	9.104	76	2517	0.90	ug/L		98
53) 1,2-Dibromoethane (EDB)	9.250	107	1161	0.81	ug/L		89
54) 2-Hexanone	9.487	43	1554	1.38	ug/L		91
55) Chlorobenzene	9.755	112	4328	1.02	ug/L		94
56) Ethylbenzene	9.785	91	6748	0.95	ug/L		97
57) 1,1,1,2-Tetrachloroethane	9.816	131	970	1.08	ug/L		94
58) m,p-Xylenes (2)	9.919	91	9478	1.87	ug/L		94
59) o-Xylene	10.302	91	4455	0.87	ug/L		95
60) Styrene	10.357	104	2828	0.86	ug/L		94
61) Bromoform	10.381	173	507	1.62	ug/L		77
62) Isopropylbenzene	10.570	105	4934	0.84	ug/L		96
65) Bromobenzene	10.898	156	1499	1.02	ug/L	#	78
66) n-Propylbenzene	10.917	91	5956	0.87	ug/L		99
67) 1,1,2,2-Tetrachloroethane	10.983	83	1803	1.01	ug/L		98
68) 2-Chlorotoluene	11.044	126	1272	0.96	ug/L	#	83
69) 1,3,5-Trimethylbenzene	11.075	105	3693	0.85	ug/L		98
70) 1,2,3-Trichloropropane	11.087	110	638	0.97	ug/L	#	77
71) t-1,4-Dichloro-2-butene	0.000		0	N.D.			

Quantitation Report (QT Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111809.D
Acq On : 18 Nov 2020 8:48 pm
Operator : TNL
Sample : 0k18062-CAL4
Misc : 1X 5mL 1ppb DI+MeOH
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 19 13:20:38 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:18:47 2020
Response via : Initial Calibration

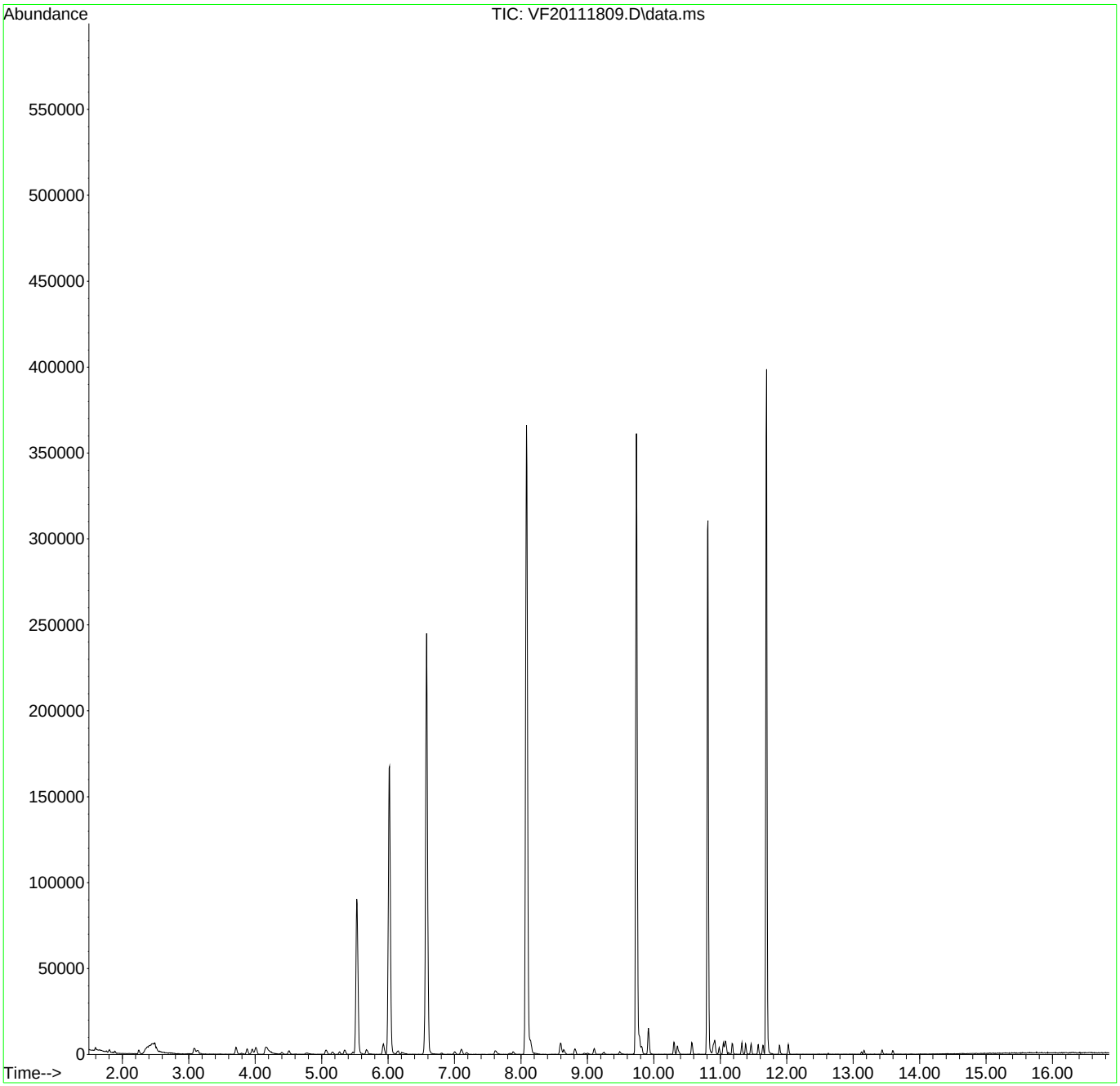
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
72) 4-Chlorotoluene	11.178	91	3808	0.93	ug/L		98
73) tert-Butylbenzene	11.324	91	2288	0.94	ug/L		82
74) 1,2,4-Trimethylbenzene	11.379	105	3578	0.82	ug/L		93
75) sec-Butylbenzene	11.464	105	4324	0.83	ug/L		98
76) 4-Isopropyltoluene	11.573	119	3371	0.81	ug/L		94
77) 1,3-Dichlorobenzene	11.640	146	2372	0.97	ug/L		96
78) 1,4-Dichlorobenzene	11.707	146	2648	0.97	ug/L		92
79) n-Butylbenzene	11.890	91	3037	0.82	ug/L		91
80) 1,2-Dichlorobenzene	12.023	146	2173	0.95	ug/L		96
81) 1,2-Dibromo-3-Chloropr...	12.631	157	184	2.02	ug/L	#	63
82) Hexachlorobutadiene	13.124	223	267	0.83	ug/L		90
83) 1,2,4-Trichlorobenzene	13.161	180	904	0.75	ug/L		87
84) Naphthalene	13.434	128	2238	0.73	ug/L		97
85) 1,2,3-Trichlorobenzene	13.592	180	913	0.79	ug/L		93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111809.D
Acq On : 18 Nov 2020 8:48 pm
Operator : TNL
Sample : 0k18062-CAL4
Misc : 1X 5mL 1ppb DI+MeOH
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 19 13:20:38 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:18:47 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111810.D
Acq On : 18 Nov 2020 9:15 pm
Operator : TNL
Sample : 0k18062-CAL5
Misc : 1X 5mL 2ppb DI+MeOH
ALS Vial : 10 Sample Multiplier: 1

11/20/20 TNL

Quant Time: Nov 19 13:21:50 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:18:47 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.019	99	71083	50.00	ug/L		0.00
43) Chlorobenzene-d5 (I)	9.741	117	192510	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.693	152	85828	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.533	111	59586	50.17	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.585	114	218040	52.17	ug/L		0.00
45) Toluene-d8 (S)	8.087	98	279194	48.83	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.811	174	75454	51.60	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.610	85	2283	1.51	ug/L		94
3) Chloromethane	1.817	50	2938	1.45	ug/L		96
4) Vinyl Chloride	1.902	62	1966	1.11	ug/L		99
5) Bromomethane	2.261	96	2063	1.79	ug/L		97
6) Chloroethane	2.395	64	791	1.58	ug/L	#	1
7) Trichlorofluoromethane	2.529	101	1169	1.11	ug/L		85
8) Ethanol	3.204	45	665	52.60	ug/L		80
9) 1,1-Dichloroethene	3.088	61	3550	1.59	ug/L		90
10) Carbon Disulfide	3.106	76	4123	1.54	ug/L		98
11) Freon 113	3.137	101	2512	2.14	ug/L		79
12) Iodomethane	3.246	142	335	5.67	ug/L	#	47
13) Methylene Chloride	3.720	84	3571	2.40	ug/L		97
14) Acetone	3.818	43	2117	3.37	ug/L		97
15) t-1,2-Dichloroethene	3.885	61	3772	1.78	ug/L		96
16) n-Hexane	3.964	86	478	1.83	ug/L		93
17) Methyl-tert-butyl-ether	4.018	73	8518	1.90	ug/L		95
18) tert-Butanol (TBA)	4.201	59	20837	118.89	ug/L	#	90
19) Diisopropyl ether (DIPE)	4.402	45	2144	0.41	ug/L		96
20) 1,1-Dichloroethane	4.511	63	5209	1.85	ug/L		96
21) Acrylonitrile	4.602	53	803	1.09	ug/L		96
22) Ethyl-tert-butyl ether...	4.779	59	2065	0.49	ug/L		95
23) c-1,2-Dichloroethene	5.071	61	3814	1.79	ug/L		90
24) 2,2-Dichloropropane	5.168	77	2157	1.42	ug/L		89
25) Bromochloromethane	5.271	49	2040	1.44	ug/L		98
26) Chloroform	5.350	83	5055	2.10	ug/L		96
27) Carbon Tetrachloride	5.484	117	2228	1.99	ug/L		97

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111810.D
Acq On : 18 Nov 2020 9:15 pm
Operator : TNL
Sample : 0k18062-CAL5
Misc : 1X 5mL 2ppb DI+MeOH
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 19 13:21:50 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:18:47 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
28) Tetrahydrofuran	5.527	42	1039	1.35	ug/L		89
29) 1,1,1-Trichloroethane	5.551	97	3610	1.89	ug/L		97
31) 1,1-Dichloropropene	5.679	75	3749	1.89	ug/L		99
32) 2-Butanone (MEK)	5.691	43	2758	2.57	ug/L		88
33) Benzene	5.928	78	13448	2.08	ug/L		99
34) tert-Amyl methyl ether...	6.062	73	1949	0.49	ug/L		90
35) 1,2-Dichloroethane (EDC)	6.153	62	4276	1.97	ug/L		94
36) iso-Butyl Alcohol	6.232	43	3125	37.25	ug/L		97
38) Trichloroethene (TCE)	6.554	130	2979	2.07	ug/L		93
39) tert-Amyl ethyl ether ...	6.804	59	1291	0.44	ug/L		96
40) Dibromomethane	7.004	93	1641	1.88	ug/L		87
41) 1,2-Dichloropropane	7.108	63	3078	1.80	ug/L		90
42) Bromodichloromethane	7.181	83	2653	2.03	ug/L		91
44) c-1,3-Dichloropropene	7.886	75	2854	1.45	ug/L		97
46) Toluene	8.148	91	13595	1.86	ug/L		99
47) Tetrachloroethene (PCE)	8.598	166	2844	2.00	ug/L		95
48) 4-Methyl-2-Pentanone (...	8.598	43	5832	2.49	ug/L		97
49) t-1,3-Dichloropropene	8.646	75	2216	1.77	ug/L		98
50) 1,1,2-Trichloroethane	8.811	97	2867	1.95	ug/L		95
51) Dibromochloromethane	9.005	129	1583	2.15	ug/L		91
52) 1,3-Dichloropropane	9.102	76	5021	1.83	ug/L		96
53) 1,2-Dibromoethane (EDB)	9.248	107	2385	1.70	ug/L		97
54) 2-Hexanone	9.486	43	3243	2.39	ug/L		97
55) Chlorobenzene	9.753	112	8636	2.07	ug/L		95
56) Ethylbenzene	9.784	91	13427	1.93	ug/L		94
57) 1,1,1,2-Tetrachloroethane	9.814	131	1984	1.90	ug/L		94
58) m,p-Xylenes (2)	9.917	91	18646	3.73	ug/L		95
59) o-Xylene	10.300	91	9087	1.81	ug/L		96
60) Styrene	10.349	104	5953	1.63	ug/L		95
61) Bromoform	10.373	173	1019	2.33	ug/L		82
62) Isopropylbenzene	10.574	105	10034	1.74	ug/L		98
65) Bromobenzene	10.896	156	2974	2.07	ug/L	#	80
66) n-Propylbenzene	10.915	91	12939	1.94	ug/L		94
67) 1,1,2,2-Tetrachloroethane	10.982	83	3634	2.09	ug/L		97
68) 2-Chlorotoluene	11.048	126	2481	1.92	ug/L	#	84
69) 1,3,5-Trimethylbenzene	11.073	105	7883	1.85	ug/L		96
70) 1,2,3-Trichloropropane	11.091	110	1463	2.27	ug/L		84
71) t-1,4-Dichloro-2-butene	11.128	88	122	2.23	ug/L	#	84

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111810.D
Acq On : 18 Nov 2020 9:15 pm
Operator : TNL
Sample : 0k18062-CAL5
Misc : 1X 5mL 2ppb DI+MeOH
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 19 13:21:50 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:18:47 2020
Response via : Initial Calibration

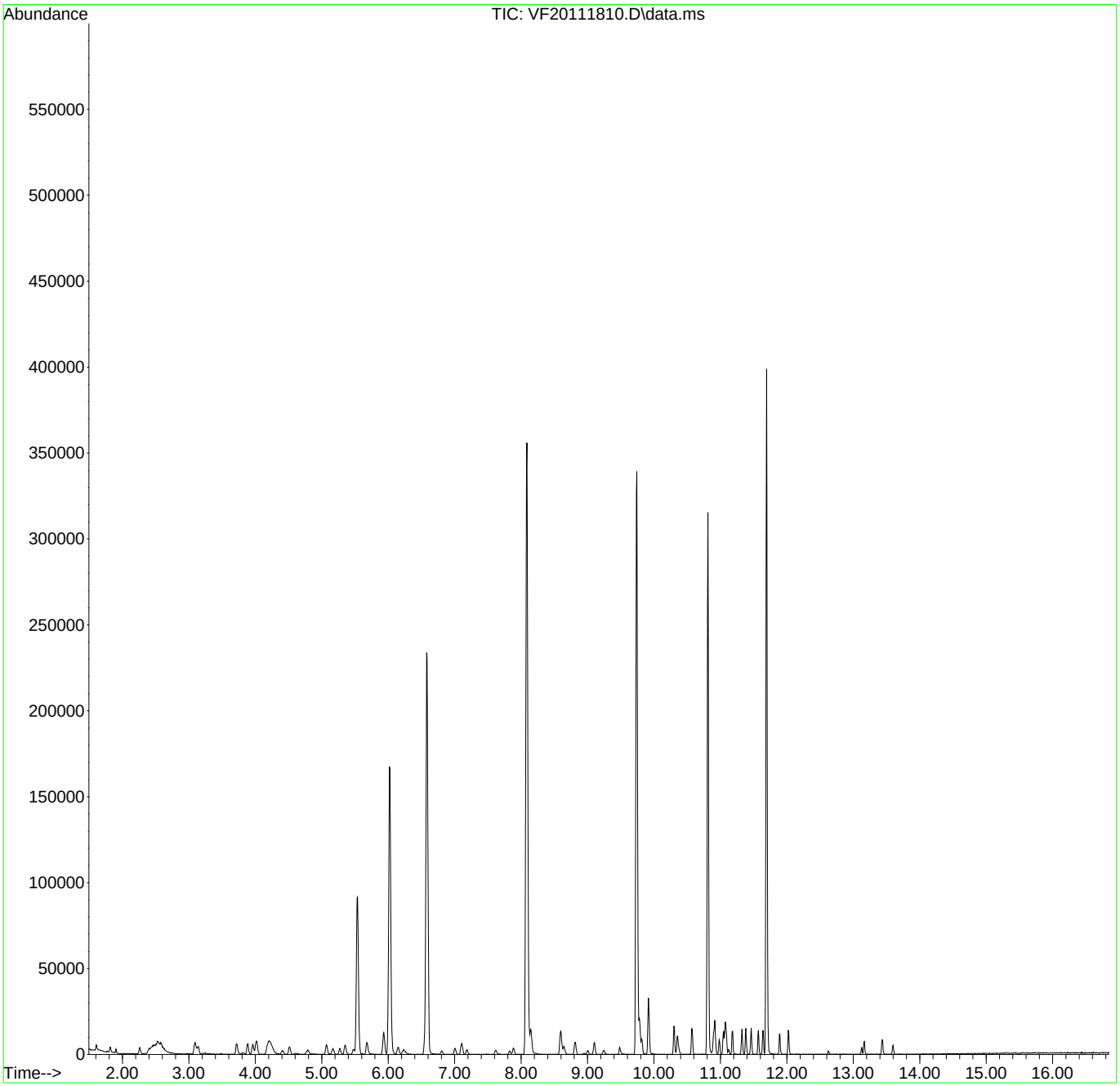
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 4-Chlorotoluene	11.182	91	7656	1.92	ug/L	99
73) tert-Butylbenzene	11.322	91	4333	1.82	ug/L	95
74) 1,2,4-Trimethylbenzene	11.383	105	7889	1.84	ug/L	98
75) sec-Butylbenzene	11.462	105	9366	1.84	ug/L	99
76) 4-Isopropyltoluene	11.571	119	7247	1.78	ug/L	93
77) 1,3-Dichlorobenzene	11.638	146	5293	2.22	ug/L	97
78) 1,4-Dichlorobenzene	11.705	146	5880	2.21	ug/L	89
79) n-Butylbenzene	11.888	91	6228	1.73	ug/L	95
80) 1,2-Dichlorobenzene	12.021	146	5274	2.36	ug/L	96
81) 1,2-Dibromo-3-Chloropr...	12.630	157	494	3.00	ug/L	87
82) Hexachlorobutadiene	13.122	223	594	1.90	ug/L	88
83) 1,2,4-Trichlorobenzene	13.165	180	2628	2.24	ug/L	96
84) Naphthalene	13.432	128	7173	1.87	ug/L	99
85) 1,2,3-Trichlorobenzene	13.597	180	1926	1.71	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111810.D
Acq On : 18 Nov 2020 9:15 pm
Operator : TNL
Sample : 0k18062-CAL5
Misc : 1X 5mL 2ppb DI+MeOH
ALS Vial : 10 Sample Multiplier: 1

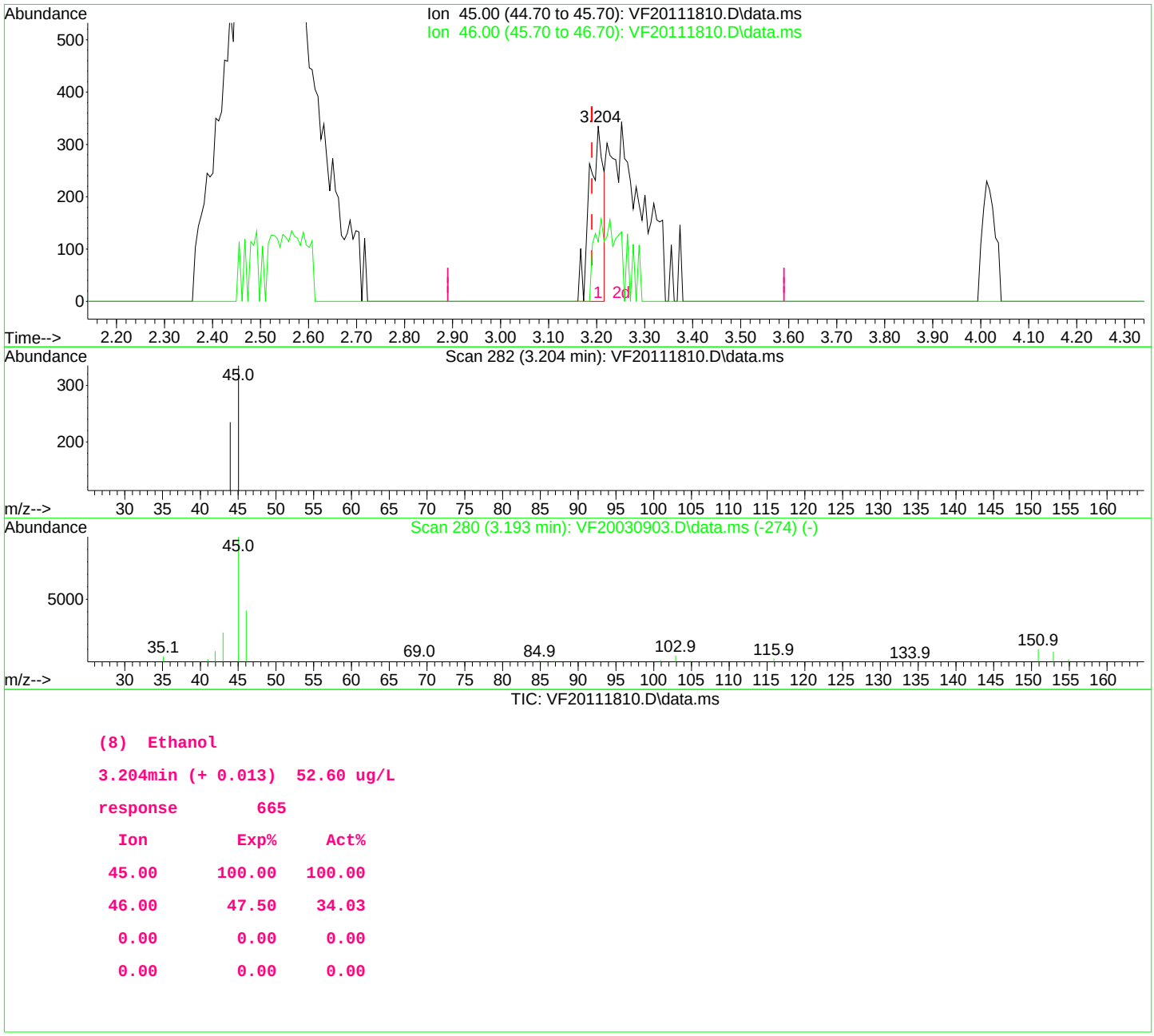
Quant Time: Nov 19 13:21:50 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:18:47 2020
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111810.D
Acq On : 18 Nov 2020 9:15 pm
Operator : TNL
Sample : 0k18062-CAL5
Misc : 1X 5mL 2ppb DI+MeOH
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 19 13:23:39 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:22:36 2020
Response via : Initial Calibration



TIC: VF20111810.D\data.ms

(8) Ethanol

3.204min (+ 0.013) 52.60 ug/L

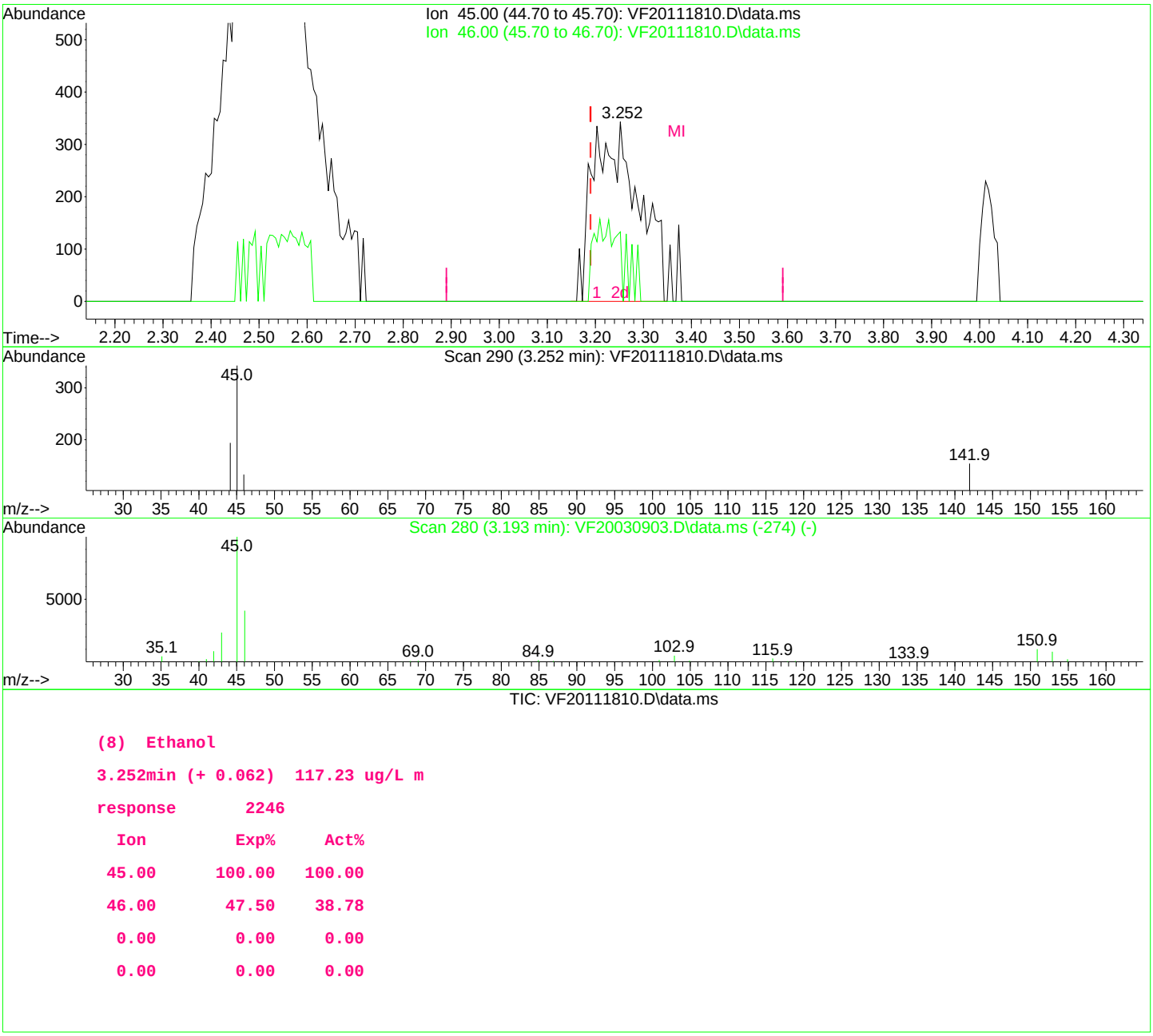
response 665

Ion	Exp%	Act%
45.00	100.00	100.00
46.00	47.50	34.03
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111810.D
Acq On : 18 Nov 2020 9:15 pm
Operator : TNL
Sample : 0k18062-CAL5
Misc : 1X 5mL 2ppb DI+MeOH
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 19 13:23:39 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:22:36 2020
Response via : Initial Calibration



TIC: VF20111810.D\data.ms

(8) Ethanol

3.252min (+ 0.062) 117.23 ug/L m

response 2246

Ion	Exp%	Act%
45.00	100.00	100.00
46.00	47.50	38.78
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111810.D
Acq On : 18 Nov 2020 9:15 pm
Operator : TNL
Sample : 0k18062-CAL5
Misc : 1X 5mL 2ppb DI+MeOH
ALS Vial : 10 Sample Multiplier: 1

11/20/20 TNL

Quant Time: Nov 19 13:23:54 2020
Quant Method : Y:\METHODS\~~VF201119S.M~~
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:22:36 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.019	99	71083	50.00	ug/L		0.00
43) Chlorobenzene-d5 (I)	9.741	117	192510	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.693	152	85828	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.533	111	59586	50.17	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.585	114	218040	52.17	ug/L		0.00
45) Toluene-d8 (S)	8.087	98	279194	48.83	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.811	174	75454	51.60	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.610	85	2283	1.51	ug/L		94
3) Chloromethane	1.817	50	2938	1.45	ug/L		96
4) Vinyl Chloride	1.902	62	1966	1.11	ug/L		99
5) Bromomethane	2.261	96	2063	1.79	ug/L		97
6) Chloroethane	2.395	64	791	1.58	ug/L	#	1
7) Trichlorofluoromethane	2.529	101	1169	1.11	ug/L		85
8) Ethanol	3.252	45	2246m	117.23	ug/L		
9) 1,1-Dichloroethene	3.088	61	3550	1.59	ug/L		90
10) Carbon Disulfide	3.106	76	4123	1.54	ug/L		98
11) Freon 113	3.137	101	2512	2.14	ug/L		79
12) Iodomethane	3.246	142	335	5.67	ug/L	#	47
13) Methylene Chloride	3.720	84	3571	2.40	ug/L		97
14) Acetone	3.818	43	2117	3.37	ug/L		97
15) t-1,2-Dichloroethene	3.885	61	3772	1.78	ug/L		96
16) n-Hexane	3.964	86	478	1.83	ug/L		93
17) Methyl-tert-butyl-ether	4.018	73	8518	1.90	ug/L		95
18) tert-Butanol (TBA)	4.201	59	20967	119.64	ug/L	#	90
19) Diisopropyl ether (DIPE)	4.402	45	2144	0.41	ug/L		96
20) 1,1-Dichloroethane	4.511	63	5209	1.85	ug/L		96
21) Acrylonitrile	4.602	53	803	1.09	ug/L		96
22) Ethyl-tert-butyl ether...	4.779	59	2065	0.49	ug/L		95
23) c-1,2-Dichloroethene	5.071	61	3814	1.79	ug/L		90
24) 2,2-Dichloropropane	5.168	77	2157	1.42	ug/L		89
25) Bromochloromethane	5.271	49	2040	1.44	ug/L		98
26) Chloroform	5.350	83	5055	2.10	ug/L		96
27) Carbon Tetrachloride	5.484	117	2228	1.99	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111810.D
Acq On : 18 Nov 2020 9:15 pm
Operator : TNL
Sample : 0k18062-CAL5
Misc : 1X 5mL 2ppb DI+MeOH
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 19 13:23:54 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:22:36 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
28) Tetrahydrofuran	5.527	42	1039	1.35	ug/L		89
29) 1,1,1-Trichloroethane	5.551	97	3610	1.89	ug/L		97
31) 1,1-Dichloropropene	5.679	75	3749	1.89	ug/L		99
32) 2-Butanone (MEK)	5.691	43	2758	2.57	ug/L		88
33) Benzene	5.928	78	13448	2.08	ug/L		99
34) tert-Amyl methyl ether...	6.062	73	1949	0.49	ug/L		90
35) 1,2-Dichloroethane (EDC)	6.153	62	4276	1.97	ug/L		94
36) iso-Butyl Alcohol	6.232	43	3125	37.25	ug/L		97
38) Trichloroethene (TCE)	6.554	130	2979	2.07	ug/L		93
39) tert-Amyl ethyl ether ...	6.804	59	1291	0.44	ug/L		96
40) Dibromomethane	7.004	93	1641	1.88	ug/L		87
41) 1,2-Dichloropropane	7.108	63	3078	1.80	ug/L		90
42) Bromodichloromethane	7.181	83	2653	2.03	ug/L		91
44) c-1,3-Dichloropropene	7.886	75	2854	1.45	ug/L		97
46) Toluene	8.148	91	13595	1.86	ug/L		99
47) Tetrachloroethene (PCE)	8.598	166	2844	2.00	ug/L		95
48) 4-Methyl-2-Pentanone (...	8.598	43	5832	2.49	ug/L		97
49) t-1,3-Dichloropropene	8.646	75	2216	1.77	ug/L		98
50) 1,1,2-Trichloroethane	8.811	97	2867	1.95	ug/L		95
51) Dibromochloromethane	9.005	129	1583	2.15	ug/L		91
52) 1,3-Dichloropropane	9.102	76	5021	1.83	ug/L		96
53) 1,2-Dibromoethane (EDB)	9.248	107	2385	1.70	ug/L		97
54) 2-Hexanone	9.486	43	3243	2.39	ug/L		97
55) Chlorobenzene	9.753	112	8636	2.07	ug/L		95
56) Ethylbenzene	9.784	91	13427	1.93	ug/L		94
57) 1,1,1,2-Tetrachloroethane	9.814	131	1984	1.90	ug/L		94
58) m,p-Xylenes (2)	9.917	91	18646	3.73	ug/L		95
59) o-Xylene	10.300	91	9087	1.81	ug/L		96
60) Styrene	10.349	104	5953	1.63	ug/L		95
61) Bromoform	10.373	173	1019	2.33	ug/L		82
62) Isopropylbenzene	10.574	105	10034	1.74	ug/L		98
65) Bromobenzene	10.896	156	2974	2.07	ug/L	#	80
66) n-Propylbenzene	10.915	91	12939	1.94	ug/L		94
67) 1,1,2,2-Tetrachloroethane	10.982	83	3634	2.09	ug/L		97
68) 2-Chlorotoluene	11.048	126	2481	1.92	ug/L	#	84
69) 1,3,5-Trimethylbenzene	11.073	105	7883	1.85	ug/L		96
70) 1,2,3-Trichloropropane	11.091	110	1463	2.27	ug/L		84
71) t-1,4-Dichloro-2-butene	11.128	88	122	2.23	ug/L	#	84

Quantitation Report (QT Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111810.D
Acq On : 18 Nov 2020 9:15 pm
Operator : TNL
Sample : 0k18062-CAL5
Misc : 1X 5mL 2ppb DI+MeOH
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 19 13:23:54 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:22:36 2020
Response via : Initial Calibration

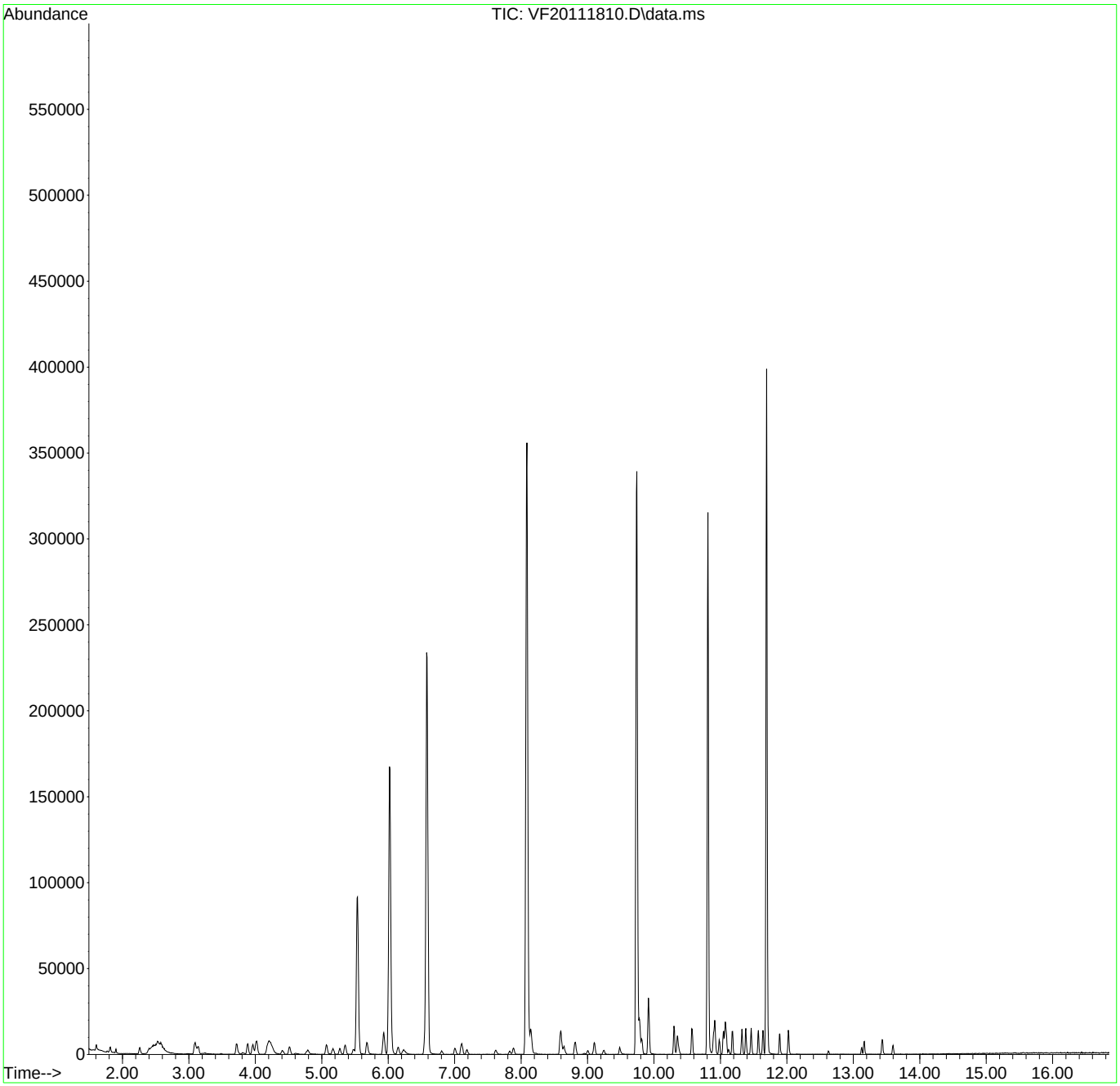
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 4-Chlorotoluene	11.182	91	7656	1.92	ug/L	99
73) tert-Butylbenzene	11.322	91	4333	1.82	ug/L	95
74) 1,2,4-Trimethylbenzene	11.383	105	7889	1.84	ug/L	98
75) sec-Butylbenzene	11.462	105	9366	1.84	ug/L	99
76) 4-Isopropyltoluene	11.571	119	7247	1.78	ug/L	93
77) 1,3-Dichlorobenzene	11.638	146	5293	2.22	ug/L	97
78) 1,4-Dichlorobenzene	11.705	146	5880	2.21	ug/L	89
79) n-Butylbenzene	11.888	91	6228	1.73	ug/L	95
80) 1,2-Dichlorobenzene	12.021	146	5274	2.36	ug/L	96
81) 1,2-Dibromo-3-Chloropr...	12.630	157	494	3.00	ug/L	87
82) Hexachlorobutadiene	13.122	223	594	1.90	ug/L	88
83) 1,2,4-Trichlorobenzene	13.165	180	2628	2.24	ug/L	96
84) Naphthalene	13.432	128	7173	1.87	ug/L	99
85) 1,2,3-Trichlorobenzene	13.597	180	1926	1.71	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111810.D
Acq On : 18 Nov 2020 9:15 pm
Operator : TNL
Sample : 0k18062-CAL5
Misc : 1X 5mL 2ppb DI+MeOH
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 19 13:23:54 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:22:36 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111811.D
Acq On : 18 Nov 2020 9:42 pm
Operator : TNL
Sample : 0k18062-CAL6
Misc : 1X 5mL 5ppb DI+MeOH
ALS Vial : 11 Sample Multiplier: 1

11/20/20 TNL

Quant Time: Nov 19 13:25:19 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:22:36 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.018	99	71892	50.00	ug/L		0.00
43) Chlorobenzene-d5 (I)	9.740	117	194196	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.692	152	88453	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.532	111	61619	51.30	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.578	114	217863	51.54	ug/L		0.00
45) Toluene-d8 (S)	8.086	98	278590	48.31	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.810	174	76960	51.07	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.597	85	5571	3.65	ug/L		96
3) Chloromethane	1.804	50	6629	3.24	ug/L		99
4) Vinyl Chloride	1.889	62	4934	2.75	ug/L		99
5) Bromomethane	2.248	96	4770	4.09	ug/L		96
6) Chloroethane	2.388	64	2053	4.05	ug/L	#	50
7) Trichlorofluoromethane	2.522	101	3808	3.58	ug/L		97
8) Ethanol	3.203	45	1456	84.12	ug/L	#	73
9) 1,1-Dichloroethene	3.075	61	9036	3.99	ug/L		82
10) Carbon Disulfide	3.093	76	10717	3.96	ug/L		99
11) Freon 113	3.124	101	5967	5.03	ug/L		79
12) Iodomethane	3.239	142	1330	7.10	ug/L	#	83
13) Methylene Chloride	3.713	84	7506	4.99	ug/L		96
14) Acetone	3.811	43	4314	6.79	ug/L		94
15) t-1,2-Dichloroethene	3.878	61	9514	4.43	ug/L		96
16) n-Hexane	3.957	86	1210	4.59	ug/L	#	90
17) Methyl-tert-butyl-ether	4.005	73	21125	4.67	ug/L		99
18) tert-Butanol (TBA)	4.224	59	51616	291.20	ug/L	#	93
19) Diisopropyl ether (DIPE)	4.401	45	5283	0.99	ug/L		94
20) 1,1-Dichloroethane	4.504	63	12847	4.51	ug/L		96
21) Acrylonitrile	4.589	53	2610	3.52	ug/L		89
22) Ethyl-tert-butyl ether...	4.772	59	4979	1.16	ug/L		96
23) c-1,2-Dichloroethene	5.064	61	9683	4.49	ug/L		95
24) 2,2-Dichloropropane	5.161	77	5522	3.61	ug/L		88
25) Bromochloromethane	5.264	49	5132	3.58	ug/L		98
26) Chloroform	5.343	83	12227	5.02	ug/L		95
27) Carbon Tetrachloride	5.471	117	6132	5.11	ug/L		95

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111811.D
Acq On : 18 Nov 2020 9:42 pm
Operator : TNL
Sample : 0k18062-CAL6
Misc : 1X 5mL 5ppb DI+MeOH
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 19 13:25:19 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:22:36 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
28) Tetrahydrofuran	5.526	42	2855	3.67	ug/L		85
29) 1,1,1-Trichloroethane	5.544	97	9345	4.83	ug/L		93
31) 1,1-Dichloropropene	5.672	75	9464	4.71	ug/L		93
32) 2-Butanone (MEK)	5.678	43	7390	6.82	ug/L		85
33) Benzene	5.927	78	33106	5.05	ug/L		99
34) tert-Amyl methyl ether...	6.055	73	4533	1.13	ug/L		82
35) 1,2-Dichloroethane (EDC)	6.146	62	10219	4.66	ug/L		99
36) iso-Butyl Alcohol	6.225	43	8339	98.28	ug/L		93
38) Trichloroethene (TCE)	6.547	130	7443	5.11	ug/L		99
39) tert-Amyl ethyl ether ...	6.803	59	3187	1.08	ug/L		94
40) Dibromomethane	6.997	93	4145	4.70	ug/L	#	80
41) 1,2-Dichloropropane	7.107	63	7858	4.55	ug/L		92
42) Bromodichloromethane	7.180	83	6670	4.76	ug/L		99
44) c-1,3-Dichloropropene	7.879	75	7840	3.59	ug/L		97
46) Toluene	8.141	91	34200	4.64	ug/L		99
47) Tetrachloroethene (PCE)	8.591	166	7070	4.92	ug/L		92
48) 4-Methyl-2-Pentanone (...	8.591	43	15199	6.43	ug/L		98
49) t-1,3-Dichloropropene	8.639	75	6596	3.70	ug/L		94
50) 1,1,2-Trichloroethane	8.810	97	6888	4.64	ug/L		91
51) Dibromochloromethane	9.004	129	4359	4.56	ug/L		96
52) 1,3-Dichloropropane	9.102	76	12650	4.57	ug/L		96
53) 1,2-Dibromoethane (EDB)	9.241	107	6279	4.43	ug/L		96
54) 2-Hexanone	9.479	43	8859	5.67	ug/L		98
55) Chlorobenzene	9.752	112	20627	4.90	ug/L		92
56) Ethylbenzene	9.777	91	33358	4.74	ug/L		99
57) 1,1,1,2-Tetrachloroethane	9.819	131	5071	4.32	ug/L		97
58) m,p-Xylenes (2)	9.916	91	48405	9.61	ug/L		97
59) o-Xylene	10.300	91	23413	4.61	ug/L		96
60) Styrene	10.348	104	16959	4.26	ug/L		98
61) Bromoform	10.373	173	2653	4.52	ug/L		95
62) Isopropylbenzene	10.567	105	27032	4.64	ug/L		96
65) Bromobenzene	10.896	156	7519	5.09	ug/L		88
66) n-Propylbenzene	10.914	91	31048	4.51	ug/L		96
67) 1,1,2,2-Tetrachloroethane	10.981	83	8815	4.92	ug/L		97
68) 2-Chlorotoluene	11.042	126	6440	4.83	ug/L	#	81
69) 1,3,5-Trimethylbenzene	11.072	105	20107	4.57	ug/L		99
70) 1,2,3-Trichloropropane	11.090	110	3134	4.71	ug/L		95
71) t-1,4-Dichloro-2-butene	11.121	88	627	4.30	ug/L	#	80

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111811.D
Acq On : 18 Nov 2020 9:42 pm
Operator : TNL
Sample : 0k18062-CAL6
Misc : 1X 5mL 5ppb DI+MeOH
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 19 13:25:19 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:22:36 2020
Response via : Initial Calibration

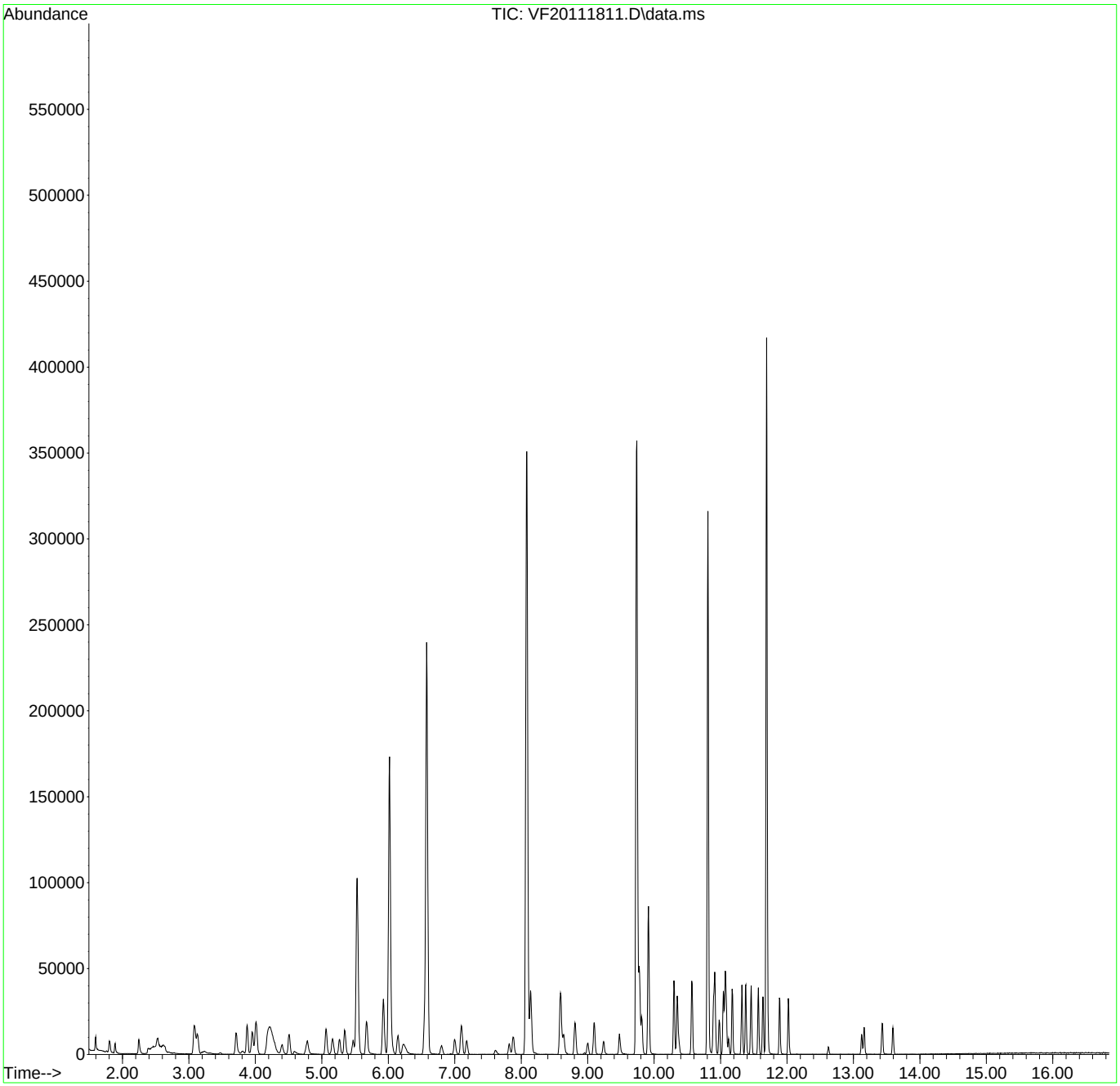
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
72) 4-Chlorotoluene	11.175	91	19711	4.79	ug/L		96
73) tert-Butylbenzene	11.321	91	11254	4.59	ug/L		87
74) 1,2,4-Trimethylbenzene	11.382	105	20523	4.64	ug/L		100
75) sec-Butylbenzene	11.461	105	24098	4.60	ug/L		98
76) 4-Isopropyltoluene	11.571	119	18890	4.51	ug/L		96
77) 1,3-Dichlorobenzene	11.637	146	12282	5.00	ug/L		98
78) 1,4-Dichlorobenzene	11.704	146	12817	4.68	ug/L		97
79) n-Butylbenzene	11.887	91	16418	4.41	ug/L		92
80) 1,2-Dichlorobenzene	12.021	146	11449	4.97	ug/L		98
81) 1,2-Dibromo-3-Chloropr...	12.623	157	996	4.46	ug/L	#	68
82) Hexachlorobutadiene	13.121	223	1541	4.77	ug/L		94
83) 1,2,4-Trichlorobenzene	13.158	180	5332	4.40	ug/L		91
84) Naphthalene	13.431	128	14748	3.50	ug/L		99
85) 1,2,3-Trichlorobenzene	13.596	180	5158	4.44	ug/L		89

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111811.D
Acq On : 18 Nov 2020 9:42 pm
Operator : TNL
Sample : 0k18062-CAL6
Misc : 1X 5mL 5ppb DI+MeOH
ALS Vial : 11 Sample Multiplier: 1

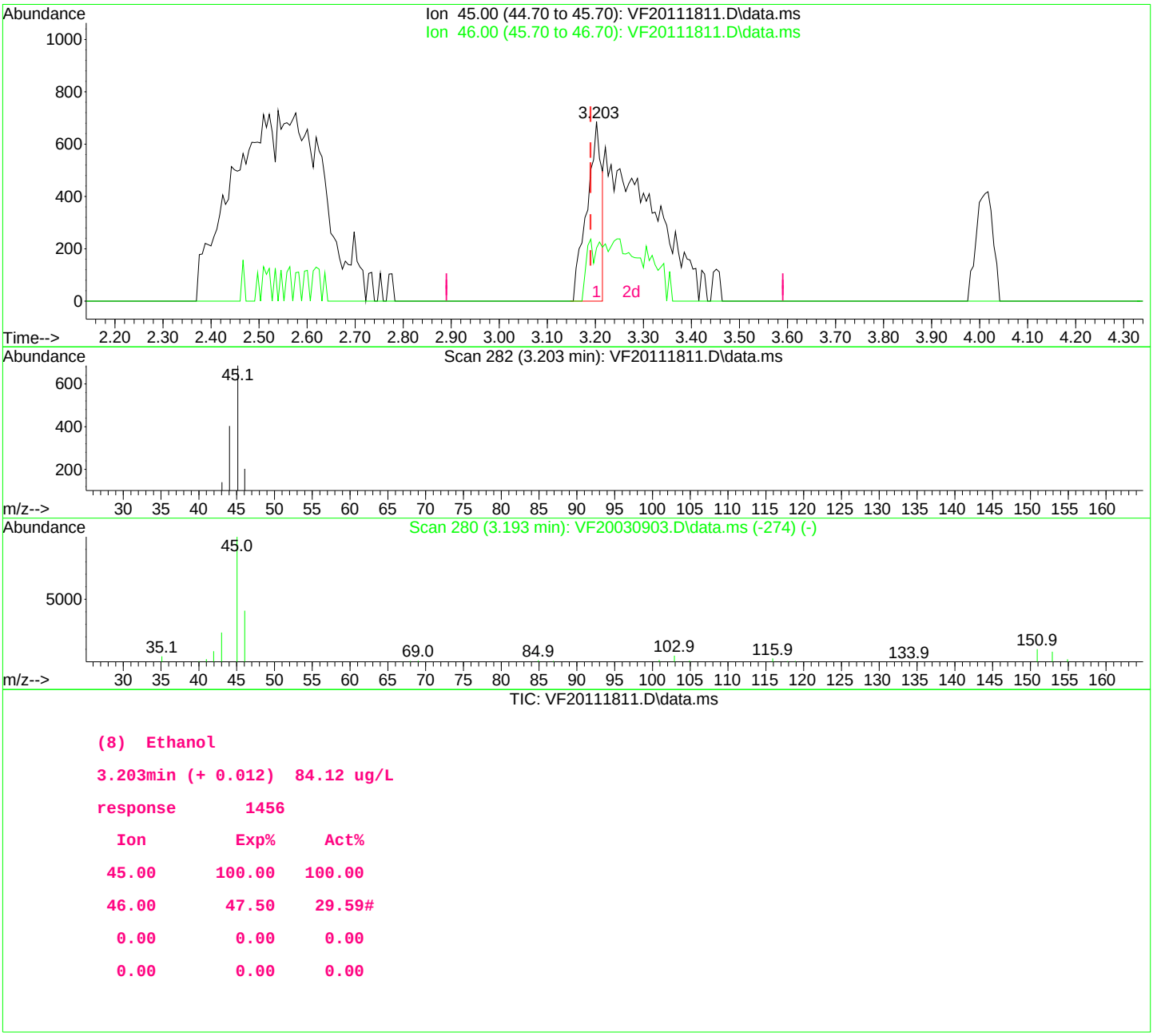
Quant Time: Nov 19 13:25:19 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:22:36 2020
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111811.D
Acq On : 18 Nov 2020 9:42 pm
Operator : TNL
Sample : 0k18062-CAL6
Misc : 1X 5mL 5ppb DI+MeOH
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 19 13:25:19 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:22:36 2020
Response via : Initial Calibration



TIC: VF20111811.D\data.ms

(8) Ethanol

3.203min (+ 0.012) 84.12 ug/L

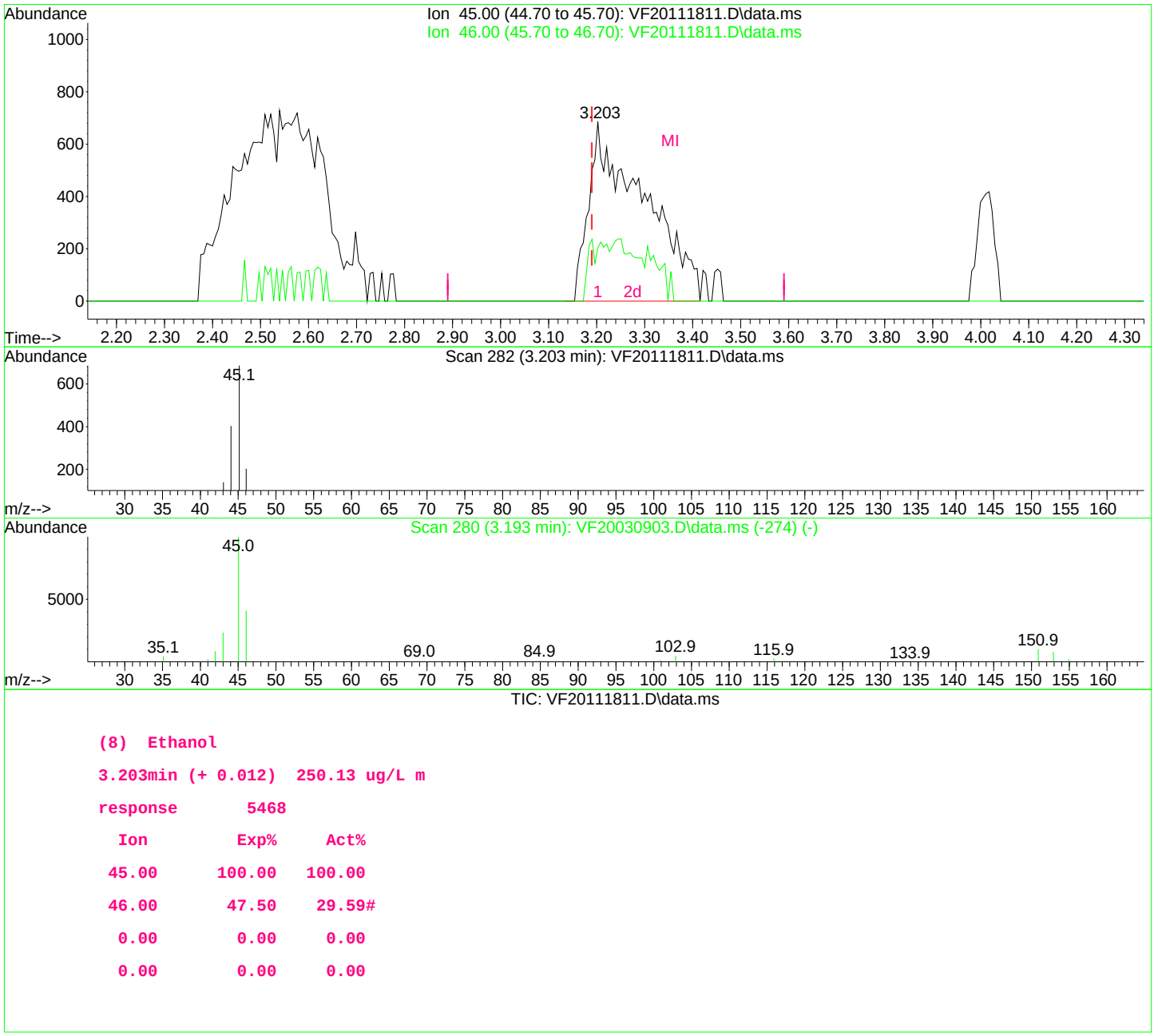
response 1456

Ion	Exp%	Act%
45.00	100.00	100.00
46.00	47.50	29.59#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111811.D
Acq On : 18 Nov 2020 9:42 pm
Operator : TNL
Sample : 0k18062-CAL6
Misc : 1X 5mL 5ppb DI+MeOH
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 19 13:25:19 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:22:36 2020
Response via : Initial Calibration



TIC: VF20111811.D\data.ms

(8) Ethanol

3.203min (+ 0.012) 250.13 ug/L m

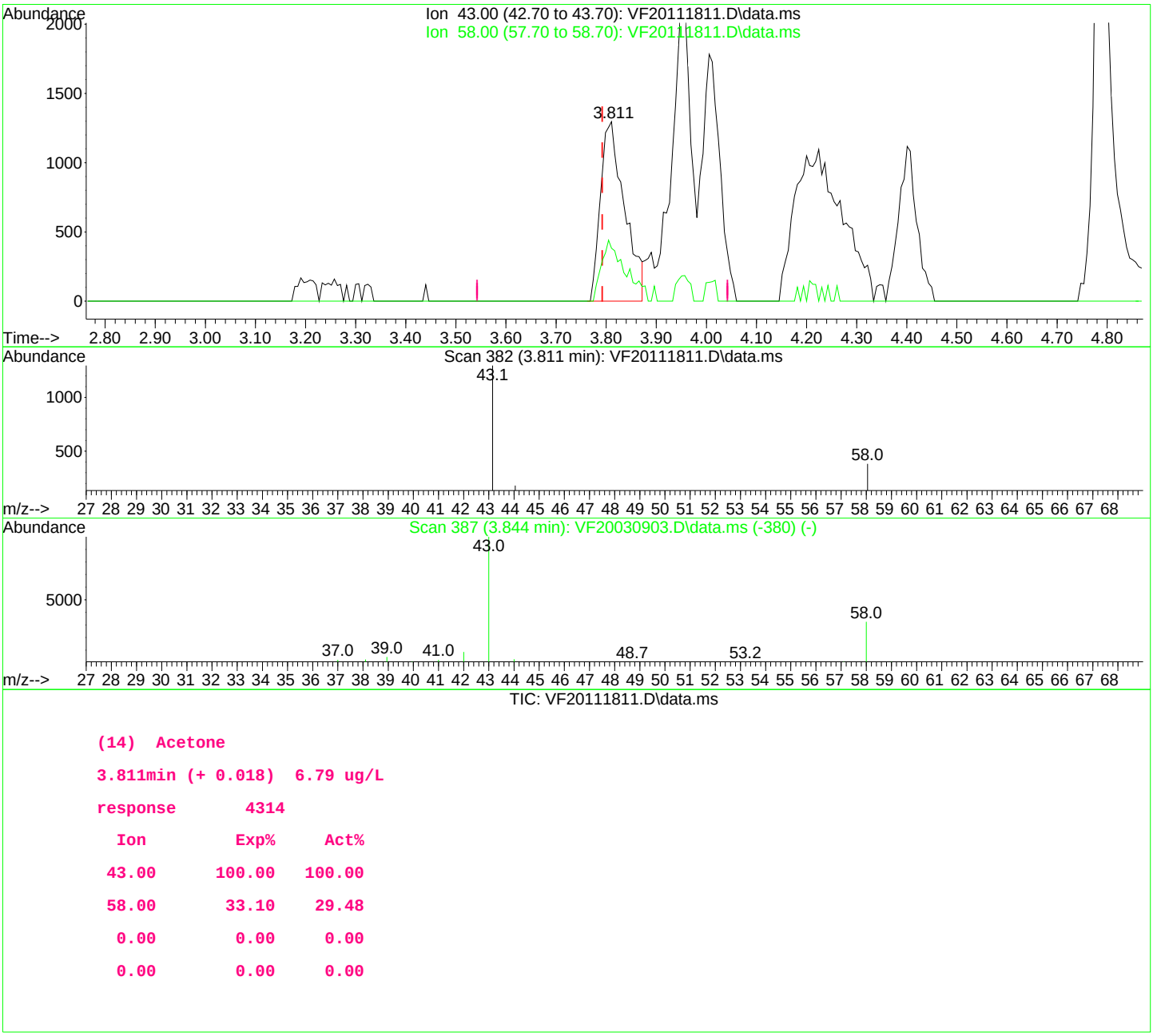
response 5468

Ion	Exp%	Act%
45.00	100.00	100.00
46.00	47.50	29.59#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111811.D
Acq On : 18 Nov 2020 9:42 pm
Operator : TNL
Sample : 0k18062-CAL6
Misc : 1X 5mL 5ppb DI+MeOH
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 19 13:25:19 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:22:36 2020
Response via : Initial Calibration



TIC: VF20111811.D\data.ms

(14) Acetone

3.811min (+ 0.018) 6.79 ug/L

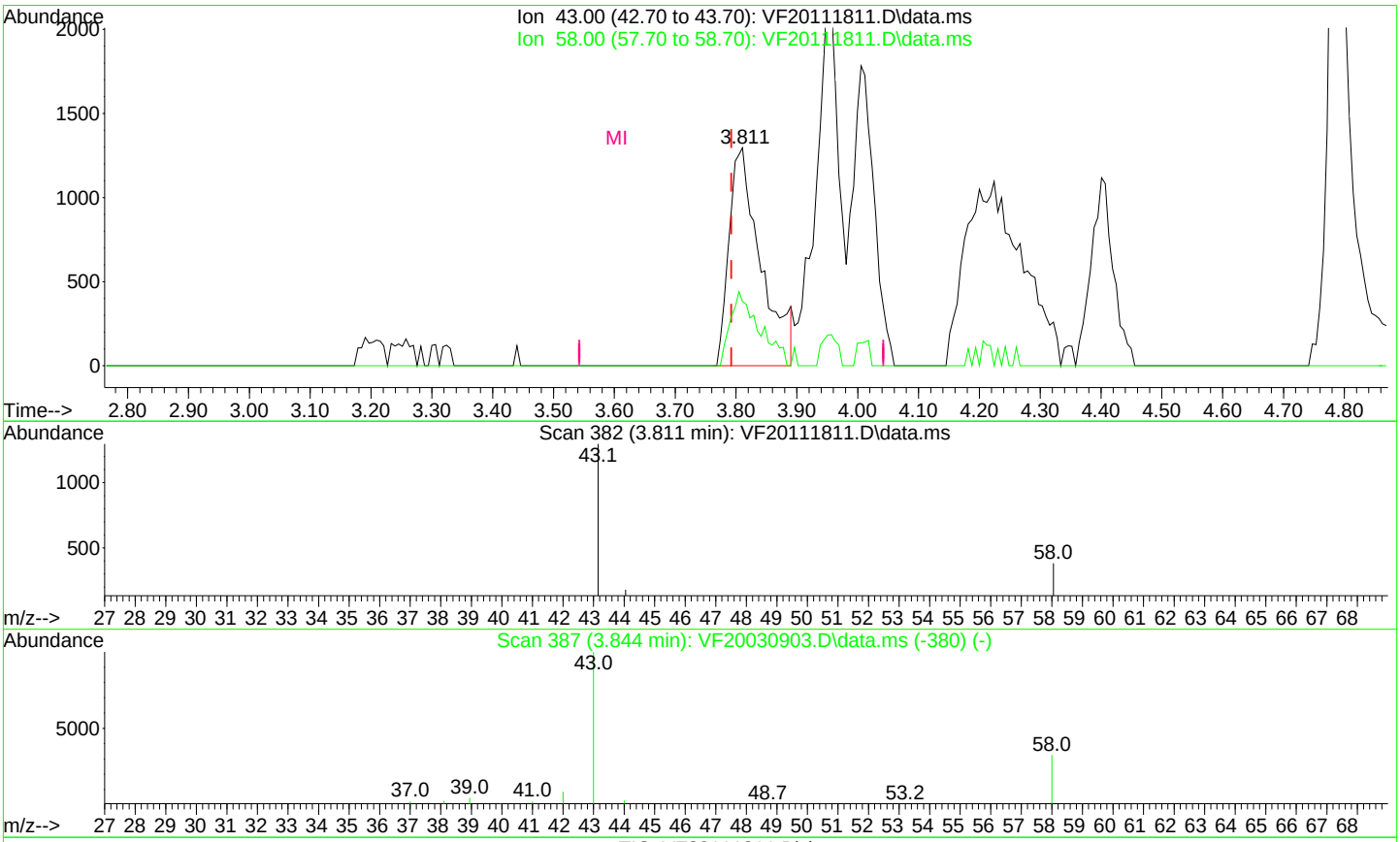
response 4314

Ion	Exp%	Act%
43.00	100.00	100.00
58.00	33.10	29.48
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111811.D
Acq On : 18 Nov 2020 9:42 pm
Operator : TNL
Sample : 0k18062-CAL6
Misc : 1X 5mL 5ppb DI+MeOH
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 19 13:25:19 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:22:36 2020
Response via : Initial Calibration



TIC: VF20111811.D\data.ms

(14) Acetone

3.811min (+ 0.018) 7.34 ug/L m

response 4663

Ion	Exp%	Act%
43.00	100.00	100.00
58.00	33.10	29.48
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111811.D
Acq On : 18 Nov 2020 9:42 pm
Operator : TNL
Sample : 0k18062-CAL6 11/20/20 TNL
Misc : 1X 5mL 5ppb DI+MeOH
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 19 13:25:57 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:22:36 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.018	99	71892	50.00	ug/L		0.00
43) Chlorobenzene-d5 (I)	9.740	117	194196	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.692	152	88453	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.532	111	61619	51.30	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.578	114	217863	51.54	ug/L		0.00
45) Toluene-d8 (S)	8.086	98	278590	48.31	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.810	174	76960	51.07	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.597	85	5571	3.65	ug/L		96
3) Chloromethane	1.804	50	6629	3.24	ug/L		99
4) Vinyl Chloride	1.889	62	4934	2.75	ug/L		99
5) Bromomethane	2.248	96	4770	4.09	ug/L		96
6) Chloroethane	2.388	64	2053	4.05	ug/L	#	50
7) Trichlorofluoromethane	2.522	101	3808	3.58	ug/L		97
8) Ethanol	3.203	45	5468m	250.13	ug/L		
9) 1,1-Dichloroethene	3.075	61	9036	3.99	ug/L		82
10) Carbon Disulfide	3.093	76	10717	3.96	ug/L		99
11) Freon 113	3.124	101	5967	5.03	ug/L		79
12) Iodomethane	3.239	142	1330	7.10	ug/L	#	83
13) Methylene Chloride	3.713	84	7506	4.99	ug/L		96
14) Acetone	3.811	43	4663m	7.34	ug/L		
15) t-1,2-Dichloroethene	3.878	61	9514	4.43	ug/L		96
16) n-Hexane	3.957	86	1210	4.59	ug/L	#	90
17) Methyl-tert-butyl-ether	4.005	73	21125	4.67	ug/L		99
18) tert-Butanol (TBA)	4.224	59	51616	291.20	ug/L	#	93
19) Diisopropyl ether (DIPE)	4.401	45	5283	0.99	ug/L		94
20) 1,1-Dichloroethane	4.504	63	12847	4.51	ug/L		96
21) Acrylonitrile	4.589	53	2610	3.52	ug/L		89
22) Ethyl-tert-butyl ether...	4.772	59	4979	1.16	ug/L		96
23) c-1,2-Dichloroethene	5.064	61	9683	4.49	ug/L		95
24) 2,2-Dichloropropane	5.161	77	5522	3.61	ug/L		88
25) Bromochloromethane	5.264	49	5132	3.58	ug/L		98
26) Chloroform	5.343	83	12227	5.02	ug/L		95
27) Carbon Tetrachloride	5.471	117	6132	5.11	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111811.D
Acq On : 18 Nov 2020 9:42 pm
Operator : TNL
Sample : 0k18062-CAL6
Misc : 1X 5mL 5ppb DI+MeOH
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 19 13:25:57 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:22:36 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
28) Tetrahydrofuran	5.526	42	2855	3.67	ug/L		85
29) 1,1,1-Trichloroethane	5.544	97	9345	4.83	ug/L		93
31) 1,1-Dichloropropene	5.672	75	9464	4.71	ug/L		93
32) 2-Butanone (MEK)	5.678	43	7390	6.82	ug/L		85
33) Benzene	5.927	78	33106	5.05	ug/L		99
34) tert-Amyl methyl ether...	6.055	73	4533	1.13	ug/L		82
35) 1,2-Dichloroethane (EDC)	6.146	62	10219	4.66	ug/L		99
36) iso-Butyl Alcohol	6.225	43	8339	98.28	ug/L		93
38) Trichloroethene (TCE)	6.547	130	7443	5.11	ug/L		99
39) tert-Amyl ethyl ether ...	6.803	59	3187	1.08	ug/L		94
40) Dibromomethane	6.997	93	4145	4.70	ug/L	#	80
41) 1,2-Dichloropropane	7.107	63	7858	4.55	ug/L		92
42) Bromodichloromethane	7.180	83	6670	4.76	ug/L		99
44) c-1,3-Dichloropropene	7.879	75	7840	3.59	ug/L		97
46) Toluene	8.141	91	34200	4.64	ug/L		99
47) Tetrachloroethene (PCE)	8.591	166	7070	4.92	ug/L		92
48) 4-Methyl-2-Pentanone (...	8.591	43	15199	6.43	ug/L		98
49) t-1,3-Dichloropropene	8.639	75	6596	3.70	ug/L		94
50) 1,1,2-Trichloroethane	8.810	97	6888	4.64	ug/L		91
51) Dibromochloromethane	9.004	129	4359	4.56	ug/L		96
52) 1,3-Dichloropropane	9.102	76	12650	4.57	ug/L		96
53) 1,2-Dibromoethane (EDB)	9.241	107	6279	4.43	ug/L		96
54) 2-Hexanone	9.479	43	8859	5.67	ug/L		98
55) Chlorobenzene	9.752	112	20627	4.90	ug/L		92
56) Ethylbenzene	9.777	91	33358	4.74	ug/L		99
57) 1,1,1,2-Tetrachloroethane	9.819	131	5071	4.32	ug/L		97
58) m,p-Xylenes (2)	9.916	91	48405	9.61	ug/L		97
59) o-Xylene	10.300	91	23413	4.61	ug/L		96
60) Styrene	10.348	104	16959	4.26	ug/L		98
61) Bromoform	10.373	173	2653	4.52	ug/L		95
62) Isopropylbenzene	10.567	105	27032	4.64	ug/L		96
65) Bromobenzene	10.896	156	7519	5.09	ug/L		88
66) n-Propylbenzene	10.914	91	31048	4.51	ug/L		96
67) 1,1,2,2-Tetrachloroethane	10.981	83	8815	4.92	ug/L		97
68) 2-Chlorotoluene	11.042	126	6440	4.83	ug/L	#	81
69) 1,3,5-Trimethylbenzene	11.072	105	20107	4.57	ug/L		99
70) 1,2,3-Trichloropropane	11.090	110	3134	4.71	ug/L		95
71) t-1,4-Dichloro-2-butene	11.121	88	627	4.30	ug/L	#	80

Quantitation Report (QT Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111811.D
Acq On : 18 Nov 2020 9:42 pm
Operator : TNL
Sample : 0k18062-CAL6
Misc : 1X 5mL 5ppb DI+MeOH
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 19 13:25:57 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:22:36 2020
Response via : Initial Calibration

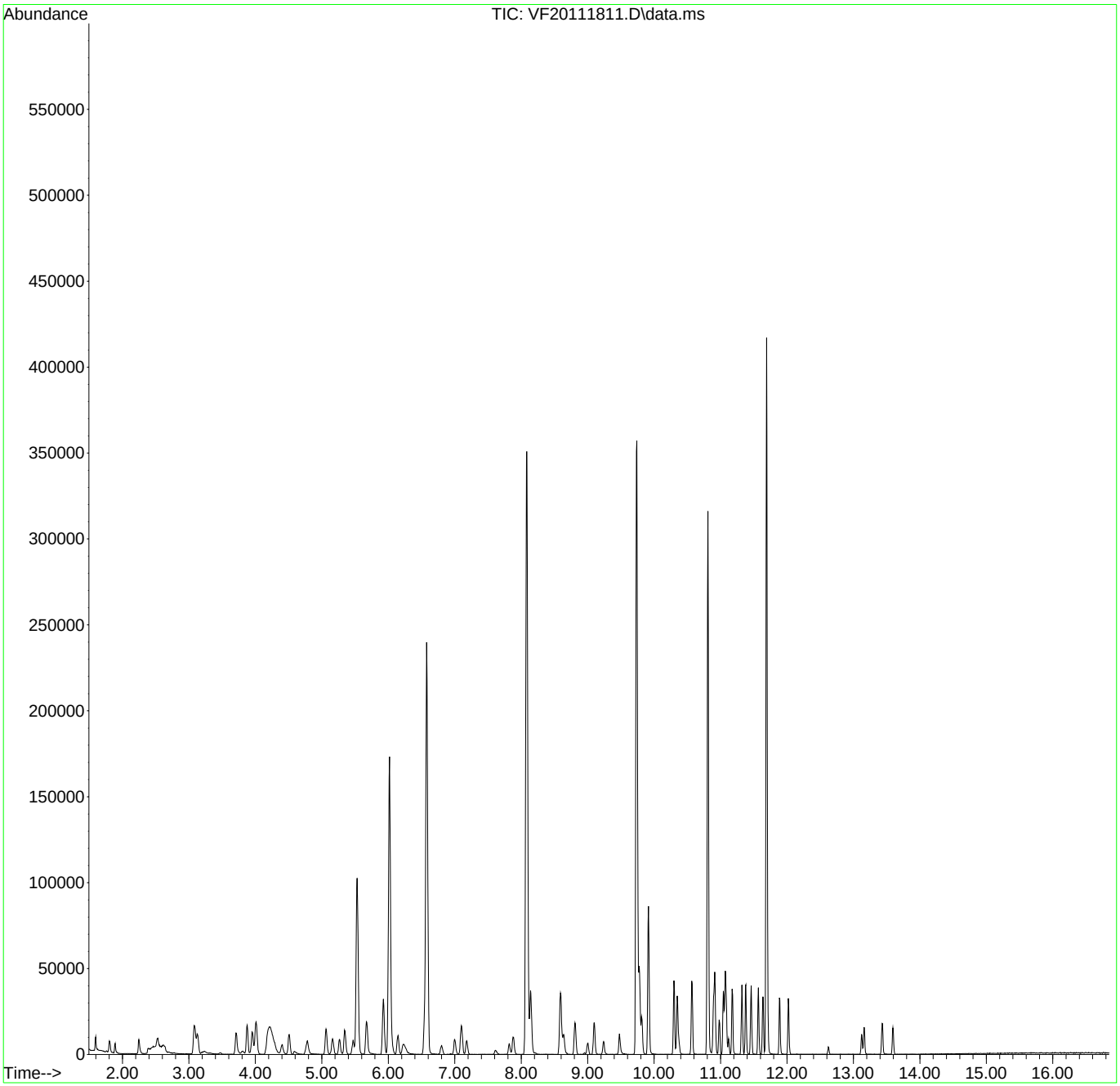
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
72) 4-Chlorotoluene	11.175	91	19711	4.79	ug/L		96
73) tert-Butylbenzene	11.321	91	11254	4.59	ug/L		87
74) 1,2,4-Trimethylbenzene	11.382	105	20523	4.64	ug/L		100
75) sec-Butylbenzene	11.461	105	24098	4.60	ug/L		98
76) 4-Isopropyltoluene	11.571	119	18890	4.51	ug/L		96
77) 1,3-Dichlorobenzene	11.637	146	12282	5.00	ug/L		98
78) 1,4-Dichlorobenzene	11.704	146	12817	4.68	ug/L		97
79) n-Butylbenzene	11.887	91	16418	4.41	ug/L		92
80) 1,2-Dichlorobenzene	12.021	146	11449	4.97	ug/L		98
81) 1,2-Dibromo-3-Chloropr...	12.623	157	996	4.46	ug/L	#	68
82) Hexachlorobutadiene	13.121	223	1541	4.77	ug/L		94
83) 1,2,4-Trichlorobenzene	13.158	180	5332	4.40	ug/L		91
84) Naphthalene	13.431	128	14748	3.50	ug/L		99
85) 1,2,3-Trichlorobenzene	13.596	180	5158	4.44	ug/L		89

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111811.D
Acq On : 18 Nov 2020 9:42 pm
Operator : TNL
Sample : 0k18062-CAL6
Misc : 1X 5mL 5ppb DI+MeOH
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 19 13:25:57 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:22:36 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111812.D
Acq On : 18 Nov 2020 10:10 pm
Operator : TNL
Sample : 0k18062-CAL7
Misc : 1X 5mL 10ppb DI+MeOH
ALS Vial : 12 Sample Multiplier: 1

11/20/20 TNL

Quant Time: Nov 19 13:27:33 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:22:36 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.018	99	70167	50.00	ug/L		0.00
43) Chlorobenzene-d5 (I)	9.740	117	191092	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.692	152	87428	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.531	111	61405	52.38	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.583	114	216832	52.56	ug/L		0.00
45) Toluene-d8 (S)	8.085	98	276445	48.71	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.810	174	75647	50.78	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.609	85	10611	7.12	ug/L		96
3) Chloromethane	1.816	50	13576	6.79	ug/L		96
4) Vinyl Chloride	1.901	62	9660	5.52	ug/L		96
5) Bromomethane	2.260	96	8889	7.81	ug/L		95
6) Chloroethane	2.387	64	3542	7.16	ug/L	#	52
7) Trichlorofluoromethane	2.521	101	9292	8.94	ug/L		99
8) Ethanol	3.166	45	8654	397.40	ug/L		82
9) 1,1-Dichloroethene	3.087	61	17569	7.96	ug/L		91
10) Carbon Disulfide	3.105	76	21924	8.31	ug/L		99
11) Freon 113	3.135	101	11635	10.05	ug/L		86
12) Iodomethane	3.245	142	3750	10.69	ug/L		93
13) Methylene Chloride	3.719	84	13681	9.32	ug/L		94
14) Acetone	3.798	43	7112	11.47	ug/L		100
15) t-1,2-Dichloroethene	3.883	61	19090	9.12	ug/L		94
16) n-Hexane	3.956	86	2632	10.23	ug/L		94
17) Methyl-tert-butyl-ether	4.017	73	42091	9.53	ug/L		97
18) tert-Butanol (TBA)	4.175	59	111700	645.67	ug/L	#	98
19) Diisopropyl ether (DIPE)	4.406	45	10744	2.07	ug/L		97
20) 1,1-Dichloroethane	4.516	63	25775	9.27	ug/L		98
21) Acrylonitrile	4.589	53	4422	6.10	ug/L		99
22) Ethyl-tert-butyl ether...	4.777	59	10299	2.45	ug/L		97
23) c-1,2-Dichloroethene	5.069	61	19629	9.32	ug/L		95
24) 2,2-Dichloropropane	5.166	77	11649	7.80	ug/L		96
25) Bromochloromethane	5.270	49	10113	7.23	ug/L		96
26) Chloroform	5.349	83	25110	10.56	ug/L		99
27) Carbon Tetrachloride	5.477	117	12760	10.57	ug/L		100

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111812.D
Acq On : 18 Nov 2020 10:10 pm
Operator : TNL
Sample : 0k18062-CAL7
Misc : 1X 5mL 10ppb DI+MeOH
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 19 13:27:33 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:22:36 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
28) Tetrahydrofuran	5.519	42	4597	6.06	ug/L		96
29) 1,1,1-Trichloroethane	5.543	97	19337	10.24	ug/L		95
31) 1,1-Dichloropropene	5.677	75	19258	9.83	ug/L		98
32) 2-Butanone (MEK)	5.671	43	11987	11.33	ug/L		91
33) Benzene	5.933	78	65847	10.30	ug/L		98
34) tert-Amyl methyl ether...	6.060	73	9743	2.48	ug/L		95
35) 1,2-Dichloroethane (EDC)	6.146	62	20415	9.54	ug/L		98
36) iso-Butyl Alcohol	6.212	43	17656	213.20	ug/L		96
38) Trichloroethene (TCE)	6.547	130	15404	10.85	ug/L		93
39) tert-Amyl ethyl ether ...	6.802	59	6578	2.29	ug/L		92
40) Dibromomethane	6.997	93	8640	10.04	ug/L		85
41) 1,2-Dichloropropane	7.106	63	15874	9.42	ug/L		99
42) Bromodichloromethane	7.185	83	14414	10.22	ug/L		98
44) c-1,3-Dichloropropene	7.879	75	17724	7.95	ug/L		98
46) Toluene	8.146	91	66875	9.22	ug/L		99
47) Tetrachloroethene (PCE)	8.590	166	13764	9.73	ug/L		93
48) 4-Methyl-2-Pentanone (...	8.596	43	32519	13.97	ug/L		95
49) t-1,3-Dichloropropene	8.639	75	14930	7.47	ug/L		98
50) 1,1,2-Trichloroethane	8.815	97	14181	9.71	ug/L		98
51) Dibromochloromethane	9.004	129	9855	9.44	ug/L		94
52) 1,3-Dichloropropane	9.101	76	26263	9.63	ug/L		95
53) 1,2-Dibromoethane (EDB)	9.241	107	13626	9.78	ug/L		97
54) 2-Hexanone	9.478	43	20720	12.81	ug/L		96
55) Chlorobenzene	9.752	112	41217	9.96	ug/L		95
56) Ethylbenzene	9.782	91	67463	9.75	ug/L		99
57) 1,1,1,2-Tetrachloroethane	9.813	131	10995	9.09	ug/L		99
58) m,p-Xylenes (2)	9.916	91	98854	19.94	ug/L		96
59) o-Xylene	10.299	91	49030	9.82	ug/L		95
60) Styrene	10.348	104	36006	8.94	ug/L		99
61) Bromoform	10.372	173	5925	9.00	ug/L		95
62) Isopropylbenzene	10.573	105	56235	9.82	ug/L		96
65) Bromobenzene	10.895	156	15392	10.53	ug/L		91
66) n-Propylbenzene	10.913	91	63785	9.38	ug/L		96
67) 1,1,2,2-Tetrachloroethane	10.980	83	18165	10.26	ug/L		97
68) 2-Chlorotoluene	11.047	126	13251	10.06	ug/L	#	83
69) 1,3,5-Trimethylbenzene	11.071	105	43073	9.90	ug/L		97
70) 1,2,3-Trichloropropane	11.090	110	6321	9.61	ug/L	#	82
71) t-1,4-Dichloro-2-butene	11.120	88	1344	7.31	ug/L	#	88

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111812.D
Acq On : 18 Nov 2020 10:10 pm
Operator : TNL
Sample : 0k18062-CAL7
Misc : 1X 5mL 10ppb DI+MeOH
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 19 13:27:33 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:22:36 2020
Response via : Initial Calibration

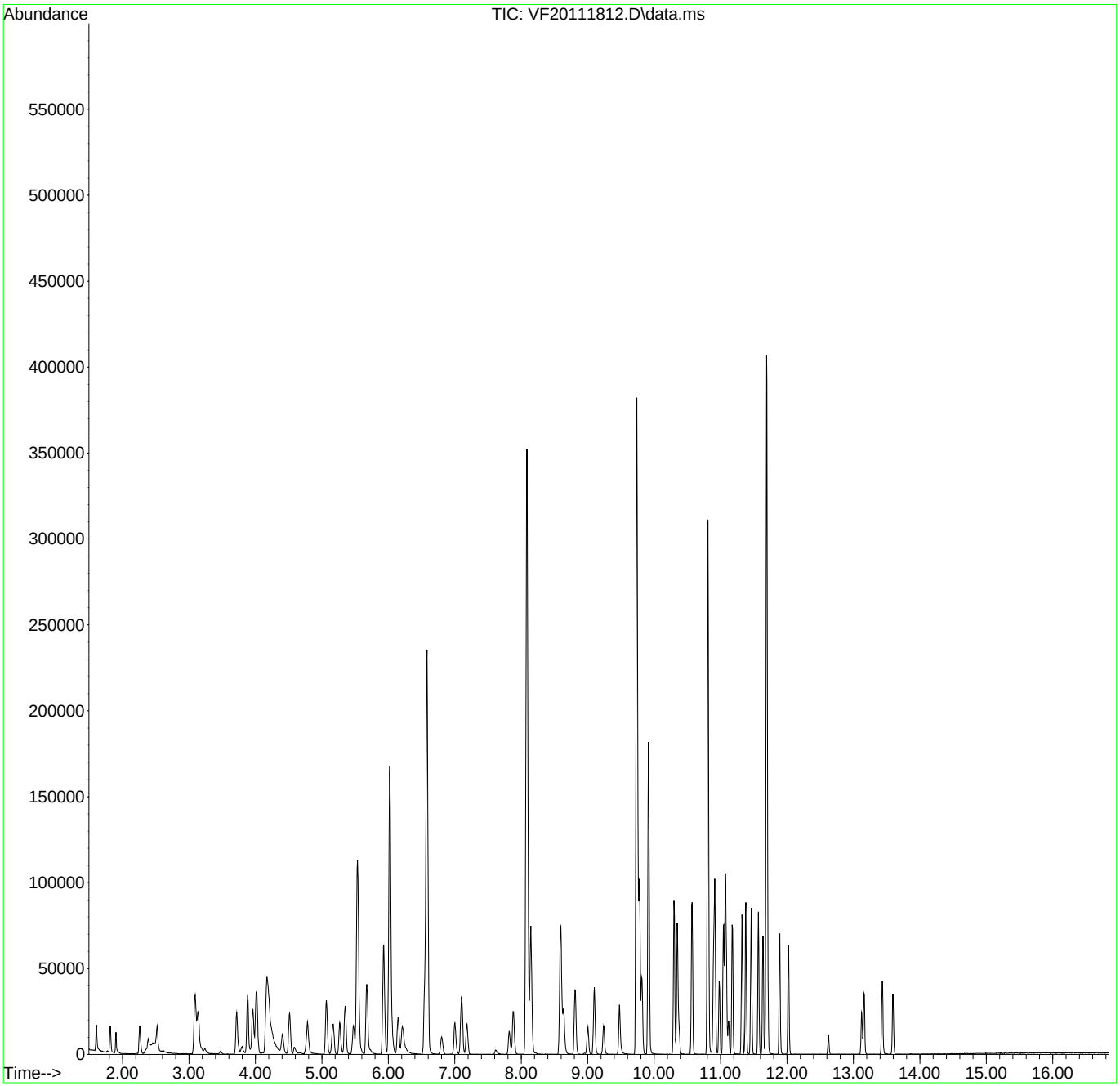
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 4-Chlorotoluene	11.175	91	41003	10.07	ug/L	96
73) tert-Butylbenzene	11.327	91	23418	9.66	ug/L	92
74) 1,2,4-Trimethylbenzene	11.382	105	43143	9.87	ug/L	99
75) sec-Butylbenzene	11.461	105	50407	9.74	ug/L	97
76) 4-Isopropyltoluene	11.570	119	40720	9.83	ug/L	97
77) 1,3-Dichlorobenzene	11.637	146	24274	10.00	ug/L	96
78) 1,4-Dichlorobenzene	11.704	146	25110	9.28	ug/L	97
79) n-Butylbenzene	11.892	91	33878	9.22	ug/L	96
80) 1,2-Dichlorobenzene	12.020	146	22996	10.10	ug/L	98
81) 1,2-Dibromo-3-Chloropr...	12.622	157	2595	9.29	ug/L	84
82) Hexachlorobutadiene	13.121	223	3177	9.96	ug/L	90
83) 1,2,4-Trichlorobenzene	13.163	180	10911	9.12	ug/L	98
84) Naphthalene	13.437	128	33557	7.72	ug/L	96
85) 1,2,3-Trichlorobenzene	13.595	180	10431	9.07	ug/L	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111812.D
Acq On : 18 Nov 2020 10:10 pm
Operator : TNL
Sample : 0k18062-CAL7
Misc : 1X 5mL 10ppb DI+MeOH
ALS Vial : 12 Sample Multiplier: 1

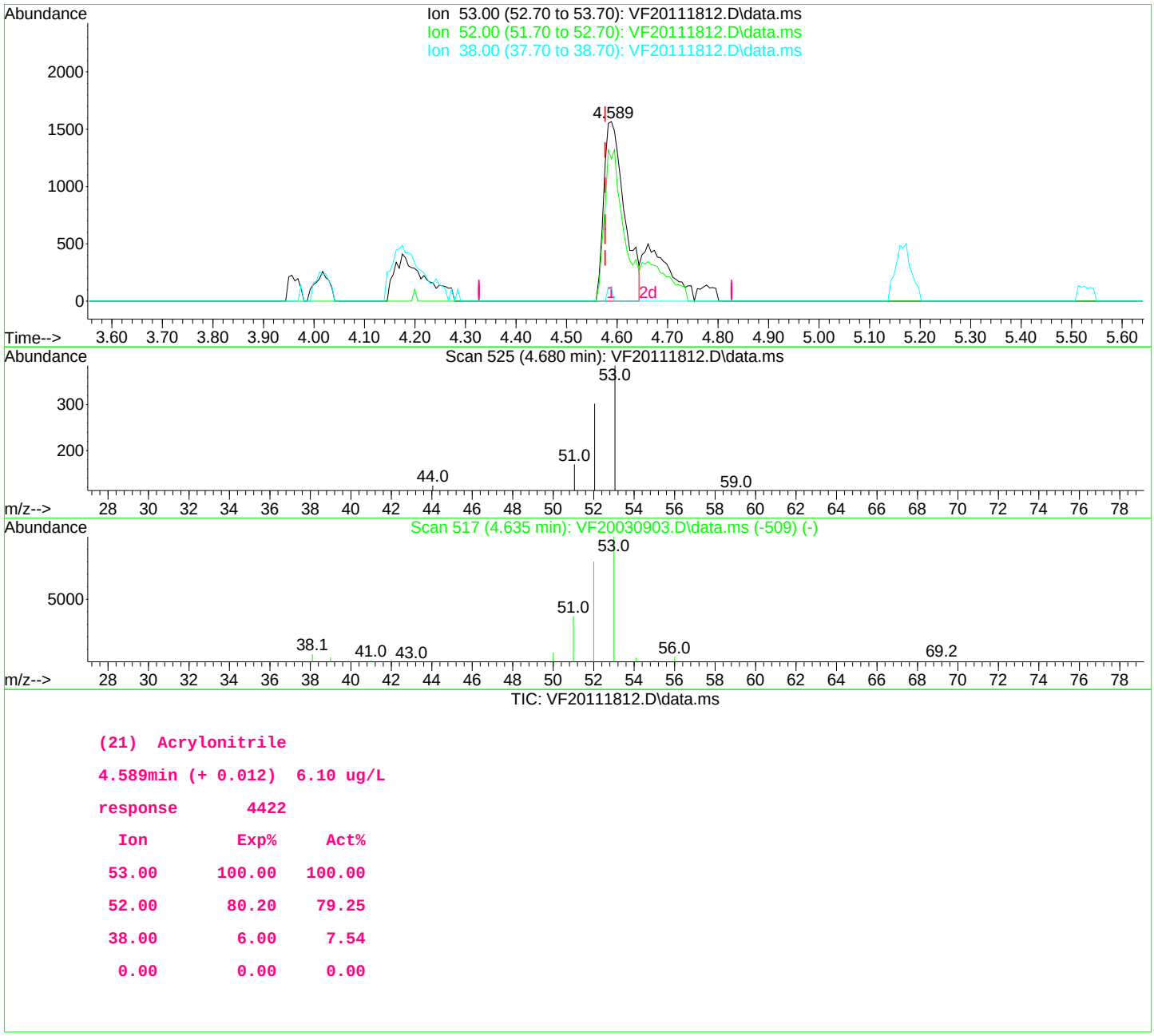
Quant Time: Nov 19 13:27:33 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:22:36 2020
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111812.D
Acq On : 18 Nov 2020 10:10 pm
Operator : TNL
Sample : 0k18062-CAL7
Misc : 1X 5mL 10ppb DI+MeOH
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 19 13:27:33 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:22:36 2020
Response via : Initial Calibration



TIC: VF20111812.D\data.ms

(21) Acrylonitrile

4.589min (+ 0.012) 6.10 ug/L

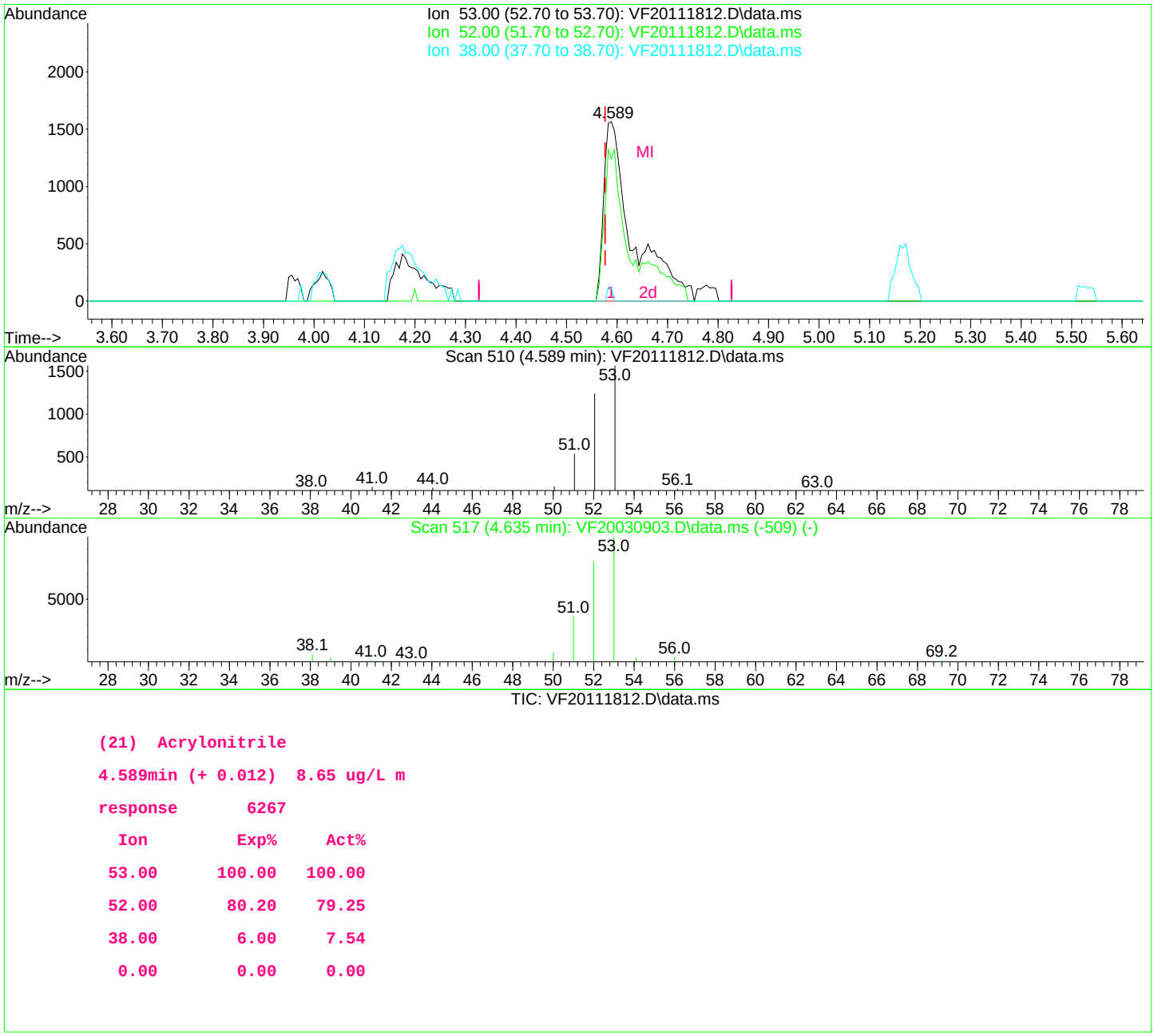
response 4422

Ion	Exp%	Act%
53.00	100.00	100.00
52.00	80.20	79.25
38.00	6.00	7.54
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111812.D
Acq On : 18 Nov 2020 10:10 pm
Operator : TNL
Sample : 0k18062-CAL7
Misc : 1X 5mL 10ppb DI+MeOH
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 19 13:27:33 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:22:36 2020
Response via : Initial Calibration



TIC: VF20111812.D\data.ms

(21) Acrylonitrile

4.589min (+ 0.012) 8.65 ug/L m

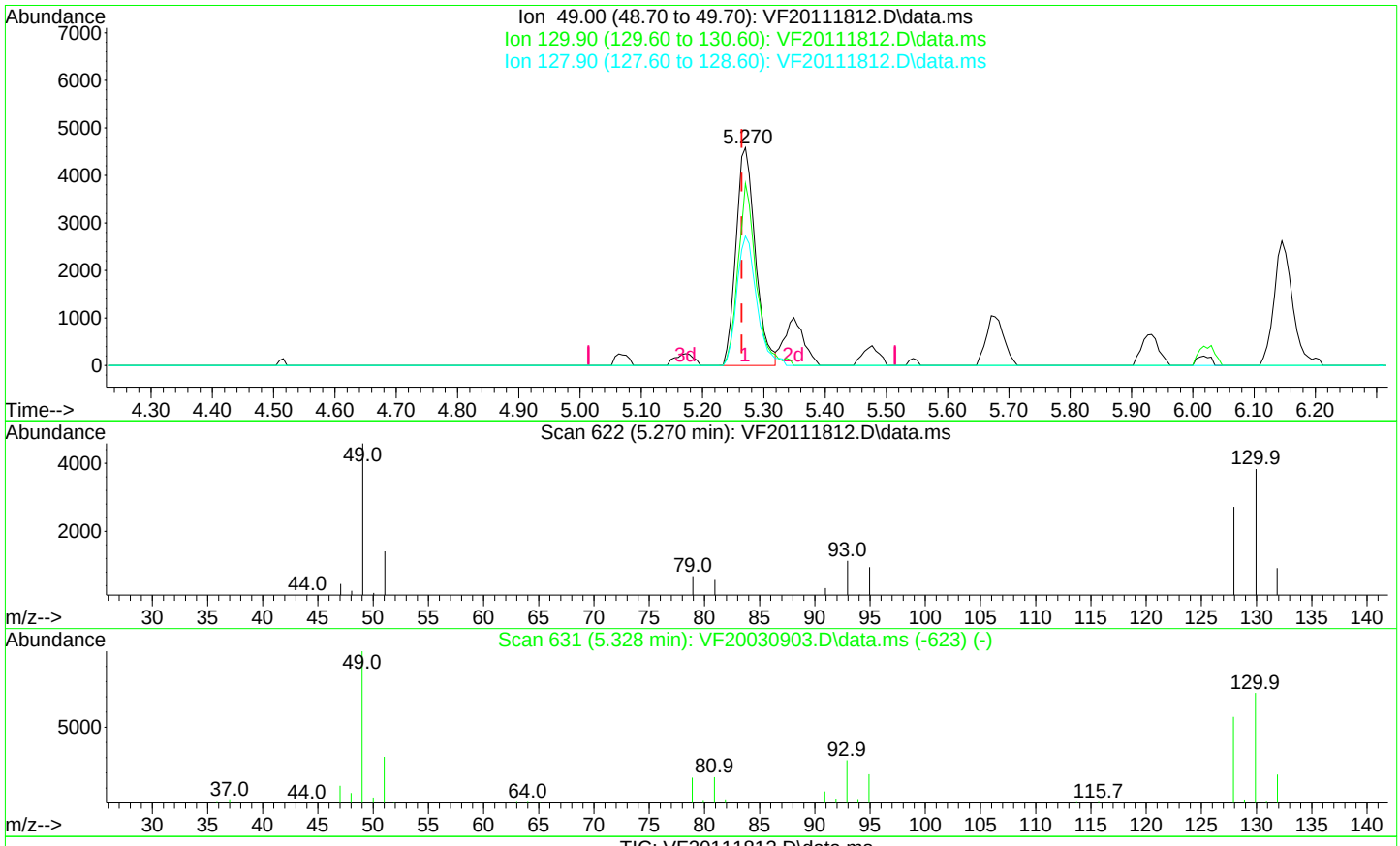
response 6267

Ion	Exp%	Act%
53.00	100.00	100.00
52.00	80.20	79.25
38.00	6.00	7.54
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111812.D
Acq On : 18 Nov 2020 10:10 pm
Operator : TNL
Sample : 0k18062-CAL7
Misc : 1X 5mL 10ppb DI+MeOH
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 19 13:27:33 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:22:36 2020
Response via : Initial Calibration



TIC: VF20111812.D\data.ms

(25) Bromochloromethane

5.270min (+ 0.006) 7.23 ug/L

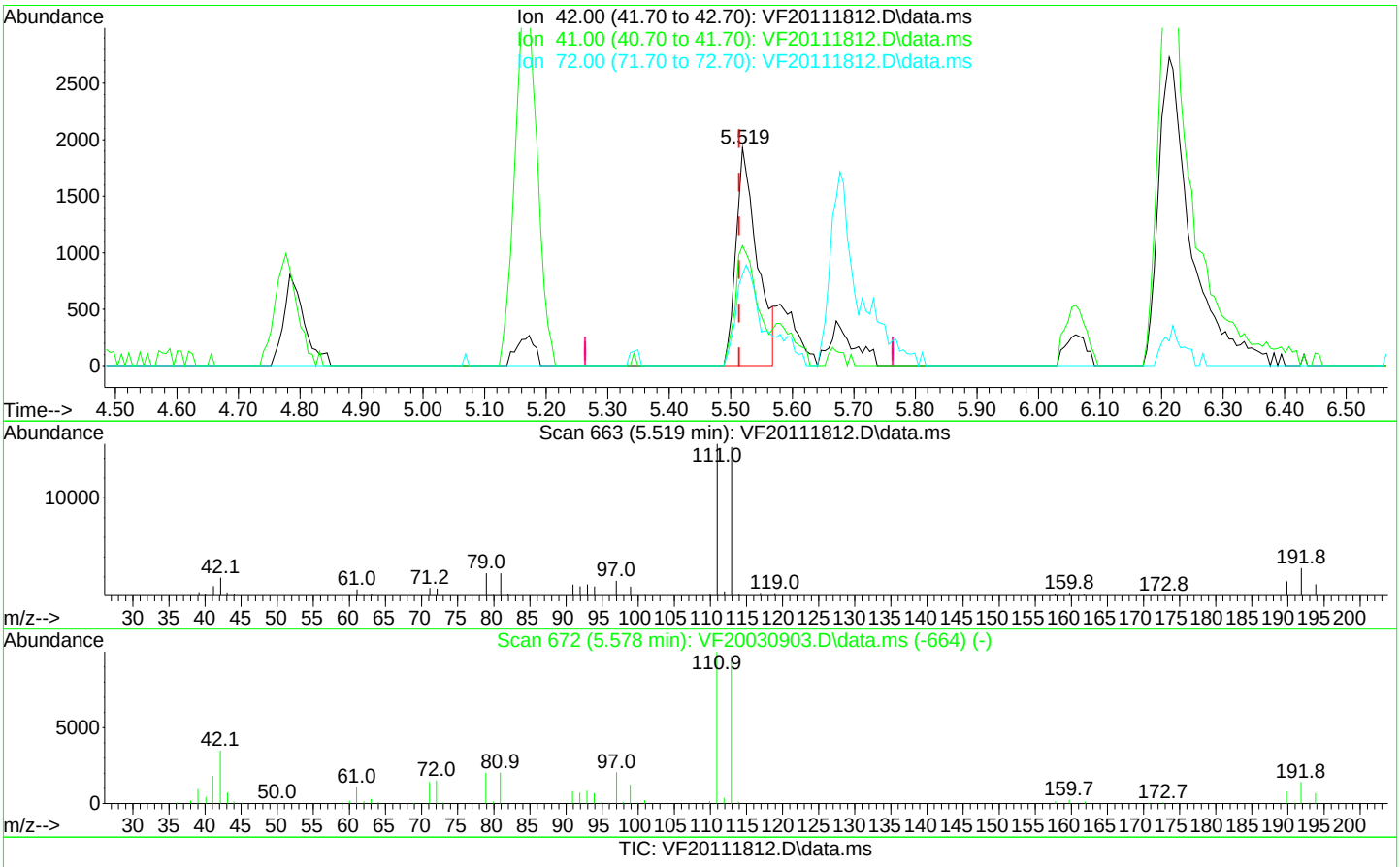
response 10113

Ion	Exp%	Act%
49.00	100.00	100.00
129.90	77.90	83.57
127.90	59.80	59.37
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111812.D
Acq On : 18 Nov 2020 10:10 pm
Operator : TNL
Sample : 0k18062-CAL7
Misc : 1X 5mL 10ppb DI+MeOH
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 19 13:29:20 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:22:36 2020
Response via : Initial Calibration



TIC: VF20111812.D\data.ms

(28) Tetrahydrofuran

5.519min (+ 0.006) 6.06 ug/L

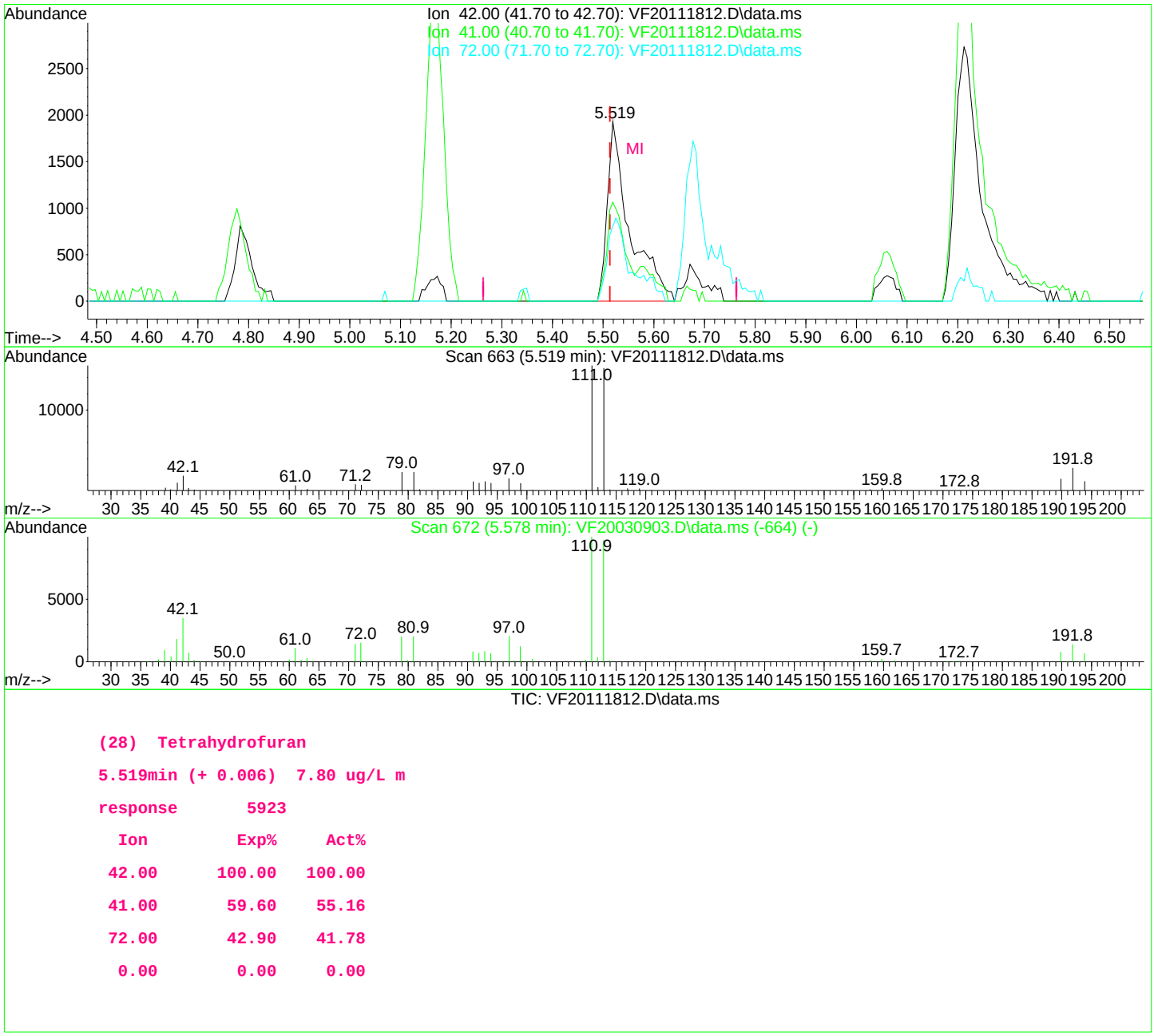
response 4597

Ion	Exp%	Act%
42.00	100.00	100.00
41.00	59.60	55.16
72.00	42.90	41.78
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111812.D
Acq On : 18 Nov 2020 10:10 pm
Operator : TNL
Sample : 0k18062-CAL7
Misc : 1X 5mL 10ppb DI+MeOH
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 19 13:29:20 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:22:36 2020
Response via : Initial Calibration



TIC: VF20111812.D\data.ms

(28) Tetrahydrofuran

5.519min (+ 0.006) 7.80 ug/L m

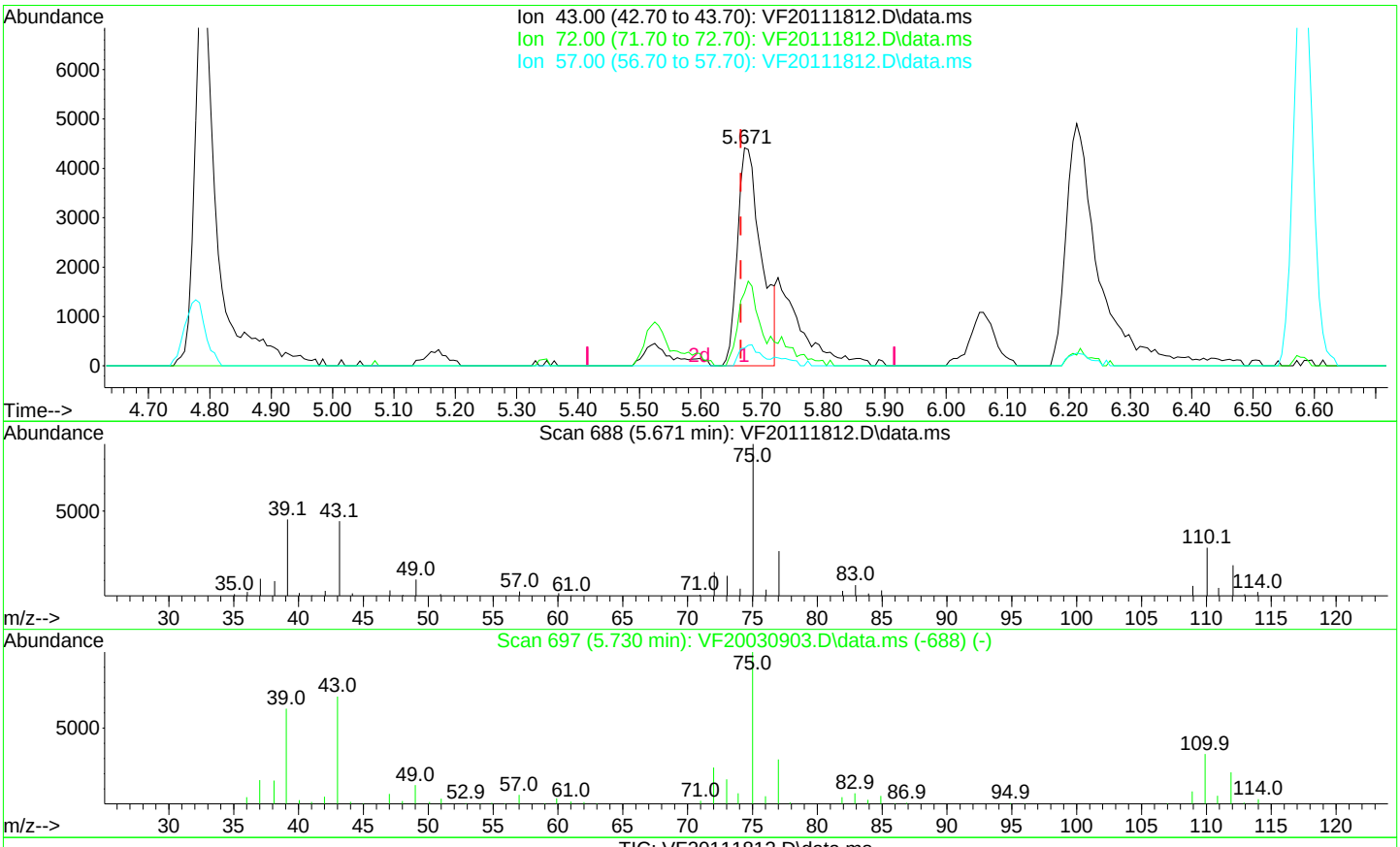
response 5923

Ion	Exp%	Act%
42.00	100.00	100.00
41.00	59.60	55.16
72.00	42.90	41.78
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111812.D
Acq On : 18 Nov 2020 10:10 pm
Operator : TNL
Sample : 0k18062-CAL7
Misc : 1X 5mL 10ppb DI+MeOH
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 19 13:29:20 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:22:36 2020
Response via : Initial Calibration



TIC: VF20111812.D\data.ms

(32) 2-Butanone (MEK)

5.671min (+ 0.006) 11.33 ug/L

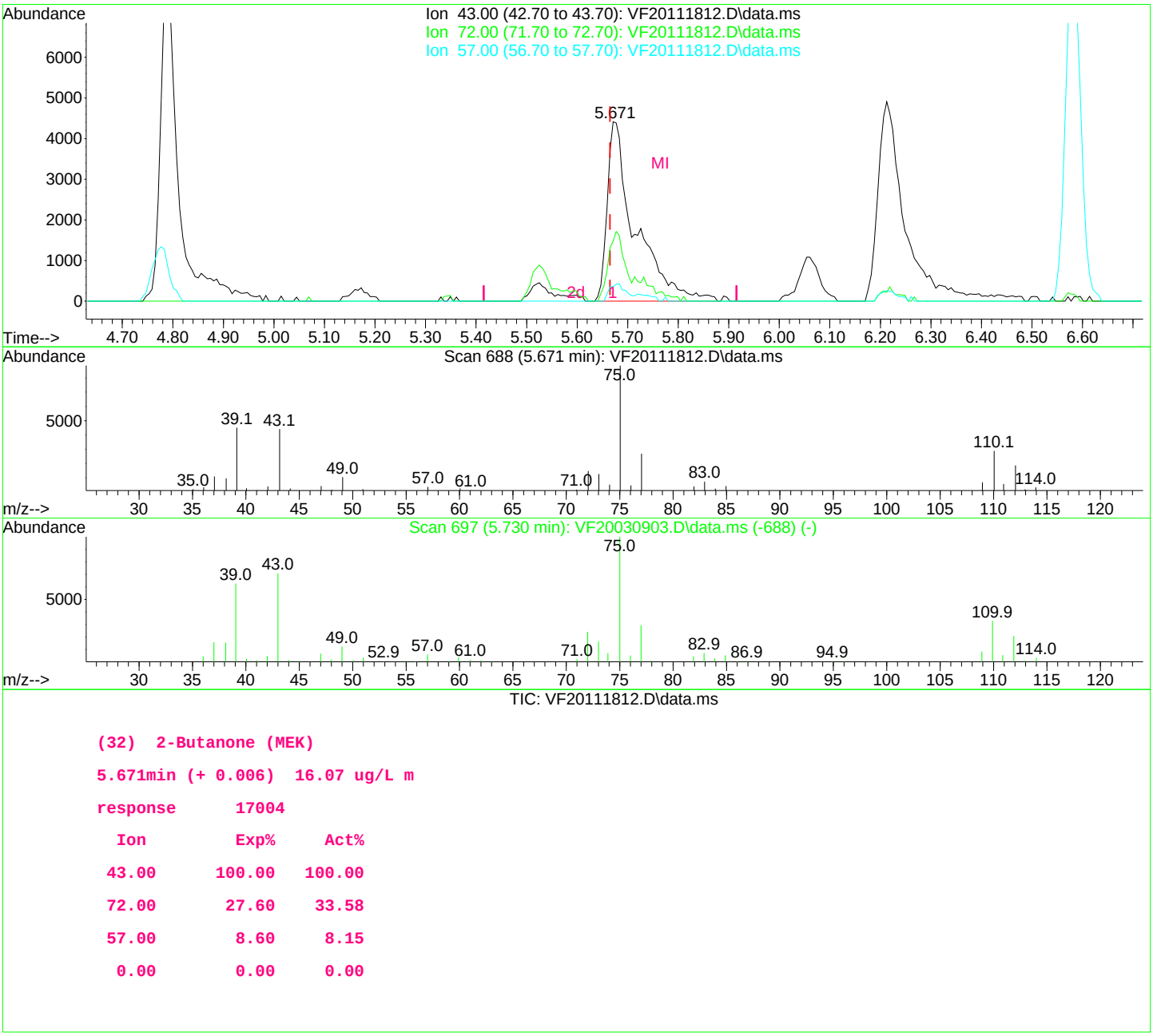
response 11987

Ion	Exp%	Act%
43.00	100.00	100.00
72.00	27.60	33.58
57.00	8.60	8.15
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111812.D
Acq On : 18 Nov 2020 10:10 pm
Operator : TNL
Sample : 0k18062-CAL7
Misc : 1X 5mL 10ppb DI+MeOH
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 19 13:29:20 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:22:36 2020
Response via : Initial Calibration



TIC: VF20111812.D\data.ms

(32) 2-Butanone (MEK)

5.671min (+ 0.006) 16.07 ug/L m

response 17004

Ion	Exp%	Act%
43.00	100.00	100.00
72.00	27.60	33.58
57.00	8.60	8.15
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111812.D
Acq On : 18 Nov 2020 10:10 pm
Operator : TNL
Sample : 0k18062-CAL7
Misc : 1X 5mL 10ppb DI+MeOH
ALS Vial : 12 Sample Multiplier: 1

11/20/20 TNL

Quant Time: Nov 19 13:30:32 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:22:36 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.018	99	70167	50.00	ug/L		0.00
43) Chlorobenzene-d5 (I)	9.740	117	191092	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.692	152	87428	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.531	111	61405	52.38	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.583	114	216832	52.56	ug/L		0.00
45) Toluene-d8 (S)	8.085	98	276445	48.71	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.810	174	75647	50.78	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.609	85	10611	7.12	ug/L		96
3) Chloromethane	1.816	50	13576	6.79	ug/L		96
4) Vinyl Chloride	1.901	62	9660	5.52	ug/L		96
5) Bromomethane	2.260	96	8889	7.81	ug/L		95
6) Chloroethane	2.387	64	3542	7.16	ug/L	#	52
7) Trichlorofluoromethane	2.521	101	9292	8.94	ug/L		99
8) Ethanol	3.166	45	8654	397.40	ug/L		82
9) 1,1-Dichloroethene	3.087	61	17569	7.96	ug/L		91
10) Carbon Disulfide	3.105	76	21924	8.31	ug/L		99
11) Freon 113	3.135	101	11635	10.05	ug/L		86
12) Iodomethane	3.245	142	3750	10.69	ug/L		93
13) Methylene Chloride	3.719	84	13681	9.32	ug/L		94
14) Acetone	3.798	43	7112	11.47	ug/L		100
15) t-1,2-Dichloroethene	3.883	61	19090	9.12	ug/L		94
16) n-Hexane	3.956	86	2632	10.23	ug/L		94
17) Methyl-tert-butyl-ether	4.017	73	42091	9.53	ug/L		97
18) tert-Butanol (TBA)	4.175	59	111700	645.67	ug/L	#	98
19) Diisopropyl ether (DIPE)	4.406	45	10744	2.07	ug/L		97
20) 1,1-Dichloroethane	4.516	63	25775	9.27	ug/L		98
21) Acrylonitrile	4.589	53	6267m	8.65	ug/L		
22) Ethyl-tert-butyl ether...	4.777	59	10299	2.45	ug/L		97
23) c-1,2-Dichloroethene	5.069	61	19629	9.32	ug/L		95
24) 2,2-Dichloropropane	5.166	77	11649	7.80	ug/L		96
25) Bromochloromethane	5.270	49	10113	7.23	ug/L		96
26) Chloroform	5.349	83	25110	10.56	ug/L		99
27) Carbon Tetrachloride	5.477	117	12760	10.57	ug/L		100

Quantitation Report (QT Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111812.D
Acq On : 18 Nov 2020 10:10 pm
Operator : TNL
Sample : 0k18062-CAL7
Misc : 1X 5mL 10ppb DI+MeOH
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 19 13:30:32 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:22:36 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
28) Tetrahydrofuran	5.519	42	5923m	7.80	ug/L		
29) 1,1,1-Trichloroethane	5.543	97	19337	10.24	ug/L		95
31) 1,1-Dichloropropene	5.677	75	19258	9.83	ug/L		98
32) 2-Butanone (MEK)	5.671	43	17004m	16.07	ug/L		
33) Benzene	5.933	78	65847	10.30	ug/L		98
34) tert-Amyl methyl ether...	6.060	73	9743	2.48	ug/L		95
35) 1,2-Dichloroethane (EDC)	6.146	62	20415	9.54	ug/L		98
36) iso-Butyl Alcohol	6.212	43	17656	213.20	ug/L		96
38) Trichloroethene (TCE)	6.547	130	15404	10.85	ug/L		93
39) tert-Amyl ethyl ether ...	6.802	59	6578	2.29	ug/L		92
40) Dibromomethane	6.997	93	8640	10.04	ug/L		85
41) 1,2-Dichloropropane	7.106	63	15874	9.42	ug/L		99
42) Bromodichloromethane	7.185	83	14414	10.22	ug/L		98
44) c-1,3-Dichloropropene	7.879	75	17724	7.95	ug/L		98
46) Toluene	8.146	91	66875	9.22	ug/L		99
47) Tetrachloroethene (PCE)	8.590	166	13764	9.73	ug/L		93
48) 4-Methyl-2-Pentanone (...	8.596	43	32519	13.97	ug/L		95
49) t-1,3-Dichloropropene	8.639	75	14930	7.47	ug/L		98
50) 1,1,2-Trichloroethane	8.815	97	14181	9.71	ug/L		98
51) Dibromochloromethane	9.004	129	9855	9.44	ug/L		94
52) 1,3-Dichloropropane	9.101	76	26263	9.63	ug/L		95
53) 1,2-Dibromoethane (EDB)	9.241	107	13626	9.78	ug/L		97
54) 2-Hexanone	9.478	43	20720	12.81	ug/L		96
55) Chlorobenzene	9.752	112	41217	9.96	ug/L		95
56) Ethylbenzene	9.782	91	67463	9.75	ug/L		99
57) 1,1,1,2-Tetrachloroethane	9.813	131	10995	9.09	ug/L		99
58) m,p-Xylenes (2)	9.916	91	98854	19.94	ug/L		96
59) o-Xylene	10.299	91	49030	9.82	ug/L		95
60) Styrene	10.348	104	36006	8.94	ug/L		99
61) Bromoform	10.372	173	5925	9.00	ug/L		95
62) Isopropylbenzene	10.573	105	56235	9.82	ug/L		96
65) Bromobenzene	10.895	156	15392	10.53	ug/L		91
66) n-Propylbenzene	10.913	91	63785	9.38	ug/L		96
67) 1,1,2,2-Tetrachloroethane	10.980	83	18165	10.26	ug/L		97
68) 2-Chlorotoluene	11.047	126	13251	10.06	ug/L	#	83
69) 1,3,5-Trimethylbenzene	11.071	105	43073	9.90	ug/L		97
70) 1,2,3-Trichloropropane	11.090	110	6321	9.61	ug/L	#	82
71) t-1,4-Dichloro-2-butene	11.120	88	1344	7.31	ug/L	#	88

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111812.D
Acq On : 18 Nov 2020 10:10 pm
Operator : TNL
Sample : 0k18062-CAL7
Misc : 1X 5mL 10ppb DI+MeOH
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 19 13:30:32 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:22:36 2020
Response via : Initial Calibration

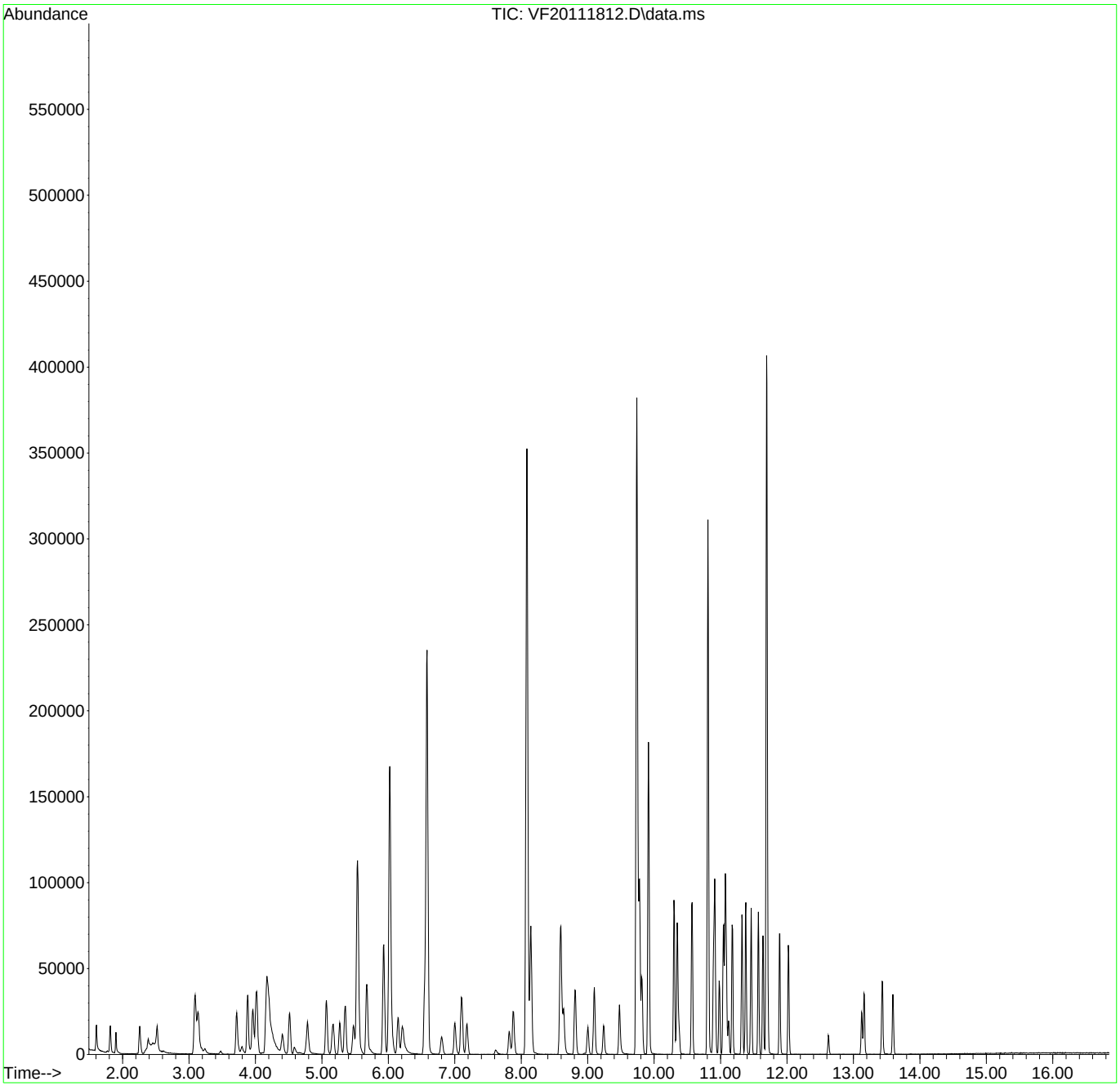
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 4-Chlorotoluene	11.175	91	41003	10.07	ug/L	96
73) tert-Butylbenzene	11.327	91	23418	9.66	ug/L	92
74) 1,2,4-Trimethylbenzene	11.382	105	43143	9.87	ug/L	99
75) sec-Butylbenzene	11.461	105	50407	9.74	ug/L	97
76) 4-Isopropyltoluene	11.570	119	40720	9.83	ug/L	97
77) 1,3-Dichlorobenzene	11.637	146	24274	10.00	ug/L	96
78) 1,4-Dichlorobenzene	11.704	146	25110	9.28	ug/L	97
79) n-Butylbenzene	11.892	91	33878	9.22	ug/L	96
80) 1,2-Dichlorobenzene	12.020	146	22996	10.10	ug/L	98
81) 1,2-Dibromo-3-Chloropr...	12.622	157	2595	9.29	ug/L	84
82) Hexachlorobutadiene	13.121	223	3177	9.96	ug/L	90
83) 1,2,4-Trichlorobenzene	13.163	180	10911	9.12	ug/L	98
84) Naphthalene	13.437	128	33557	7.72	ug/L	96
85) 1,2,3-Trichlorobenzene	13.595	180	10431	9.07	ug/L	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111812.D
Acq On : 18 Nov 2020 10:10 pm
Operator : TNL
Sample : 0k18062-CAL7
Misc : 1X 5mL 10ppb DI+MeOH
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 19 13:30:32 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:22:36 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111813.D
Acq On : 18 Nov 2020 10:37 pm
Operator : TNL
Sample : 0k18062-CAL8
Misc : 1X 5mL 20ppb DI+MeOH
ALS Vial : 13 Sample Multiplier: 1 11/20/20 TNL

Quant Time: Nov 19 13:33:23 2020
Quant Method : Y:\METHODS\~~VF201119S.M~~
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:22:36 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.018	99	69152	50.00	ug/L		0.00
43) Chlorobenzene-d5 (I)	9.740	117	190541	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.692	152	88102	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.525	111	61514	53.24	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.578	114	212389	52.24	ug/L		0.00
45) Toluene-d8 (S)	8.086	98	271584	47.99	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.810	174	76417	50.91	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.597	85	20219	13.77	ug/L		98
3) Chloromethane	1.810	50	24696	12.53	ug/L		98
4) Vinyl Chloride	1.889	62	18382	10.67	ug/L		94
5) Bromomethane	2.248	96	15438	13.76	ug/L		97
6) Chloroethane	2.375	64	6481	13.29	ug/L		76
7) Trichlorofluoromethane	2.509	101	11000	10.74	ug/L		97
8) Ethanol	3.190	45	20906	1029.18	ug/L		89
9) 1,1-Dichloroethene	3.075	61	34267	15.75	ug/L		87
10) Carbon Disulfide	3.093	76	44882	17.26	ug/L		98
11) Freon 113	3.123	101	23038	20.19	ug/L		84
12) Iodomethane	3.227	142	10817	20.89	ug/L		98
13) Methylene Chloride	3.707	84	25454	17.59	ug/L		96
14) Acetone	3.792	43	14756	24.14	ug/L		98
15) t-1,2-Dichloroethene	3.871	61	37713	18.27	ug/L		98
16) n-Hexane	3.950	86	5290	20.87	ug/L		98
17) Methyl-tert-butyl-ether	4.011	73	85014	19.54	ug/L		98
18) tert-Butanol (TBA)	4.175	59	241574	1416.90	ug/L	#	98
19) Diisopropyl ether (DIPE)	4.400	45	20831	4.08	ug/L		98
20) 1,1-Dichloroethane	4.510	63	51342	18.73	ug/L		98
21) Acrylonitrile	4.577	53	9736	13.63	ug/L		100
22) Ethyl-tert-butyl ether...	4.771	59	21089	5.10	ug/L		99
23) c-1,2-Dichloroethene	5.063	61	38139	18.37	ug/L		97
24) 2,2-Dichloropropane	5.167	77	24093	16.36	ug/L		98
25) Bromochloromethane	5.264	49	19335	14.02	ug/L		99
26) Chloroform	5.343	83	49103	20.95	ug/L		97
27) Carbon Tetrachloride	5.477	117	26912	21.87	ug/L		98

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111813.D
Acq On : 18 Nov 2020 10:37 pm
Operator : TNL
Sample : 0k18062-CAL8
Misc : 1X 5mL 20ppb DI+MeOH
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 19 13:33:23 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:22:36 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
28) Tetrahydrofuran	5.513	42	9228	12.33	ug/L		94
29) 1,1,1-Trichloroethane	5.538	97	39360	21.15	ug/L		95
31) 1,1-Dichloropropene	5.671	75	38693	20.03	ug/L		96
32) 2-Butanone (MEK)	5.665	43	33719	32.34	ug/L		85
33) Benzene	5.927	78	128160	20.33	ug/L		99
34) tert-Amyl methyl ether...	6.055	73	19144	4.95	ug/L		92
35) 1,2-Dichloroethane (EDC)	6.140	62	40368	19.14	ug/L		99
36) iso-Butyl Alcohol	6.219	43	38918	476.83	ug/L		92
38) Trichloroethene (TCE)	6.547	130	30393	21.71	ug/L		98
39) tert-Amyl ethyl ether ...	6.803	59	13375	4.72	ug/L		90
40) Dibromomethane	6.997	93	17151	20.22	ug/L		87
41) 1,2-Dichloropropane	7.101	63	30689	18.49	ug/L		99
42) Bromodichloromethane	7.180	83	30371	21.12	ug/L		97
44) c-1,3-Dichloropropene	7.879	75	38461	16.94	ug/L		96
46) Toluene	8.140	91	132554	18.33	ug/L		98
47) Tetrachloroethene (PCE)	8.590	166	27983	19.85	ug/L		94
48) 4-Methyl-2-Pentanone (...	8.590	43	67256	28.99	ug/L		96
49) t-1,3-Dichloropropene	8.633	75	34568	16.19	ug/L		95
50) 1,1,2-Trichloroethane	8.809	97	28490	19.56	ug/L		98
51) Dibromochloromethane	8.998	129	21292	19.28	ug/L		93
52) 1,3-Dichloropropane	9.101	76	52245	19.22	ug/L		93
53) 1,2-Dibromoethane (EDB)	9.235	107	27857	20.05	ug/L		98
54) 2-Hexanone	9.472	43	44118	26.77	ug/L		97
55) Chlorobenzene	9.752	112	81288	19.70	ug/L		95
56) Ethylbenzene	9.776	91	134826	19.55	ug/L		97
57) 1,1,1,2-Tetrachloroethane	9.819	131	23556	18.99	ug/L		98
58) m,p-Xylenes (2)	9.916	91	198165	40.10	ug/L		97
59) o-Xylene	10.299	91	99147	19.91	ug/L		96
60) Styrene	10.348	104	74971	18.32	ug/L		98
61) Bromoform	10.372	173	13884	19.45	ug/L		98
62) Isopropylbenzene	10.567	105	114383	20.03	ug/L		97
65) Bromobenzene	10.895	156	30769	20.89	ug/L		91
66) n-Propylbenzene	10.914	91	131803	19.23	ug/L		97
67) 1,1,2,2-Tetrachloroethane	10.980	83	37215	20.86	ug/L		97
68) 2-Chlorotoluene	11.041	126	26541	20.00	ug/L	#	79
69) 1,3,5-Trimethylbenzene	11.072	105	88872	20.27	ug/L		96
70) 1,2,3-Trichloropropane	11.090	110	12837	19.36	ug/L		83
71) t-1,4-Dichloro-2-butene	11.120	88	3300	15.24	ug/L		95

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111813.D
Acq On : 18 Nov 2020 10:37 pm
Operator : TNL
Sample : 0k18062-CAL8
Misc : 1X 5mL 20ppb DI+MeOH
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 19 13:33:23 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:22:36 2020
Response via : Initial Calibration

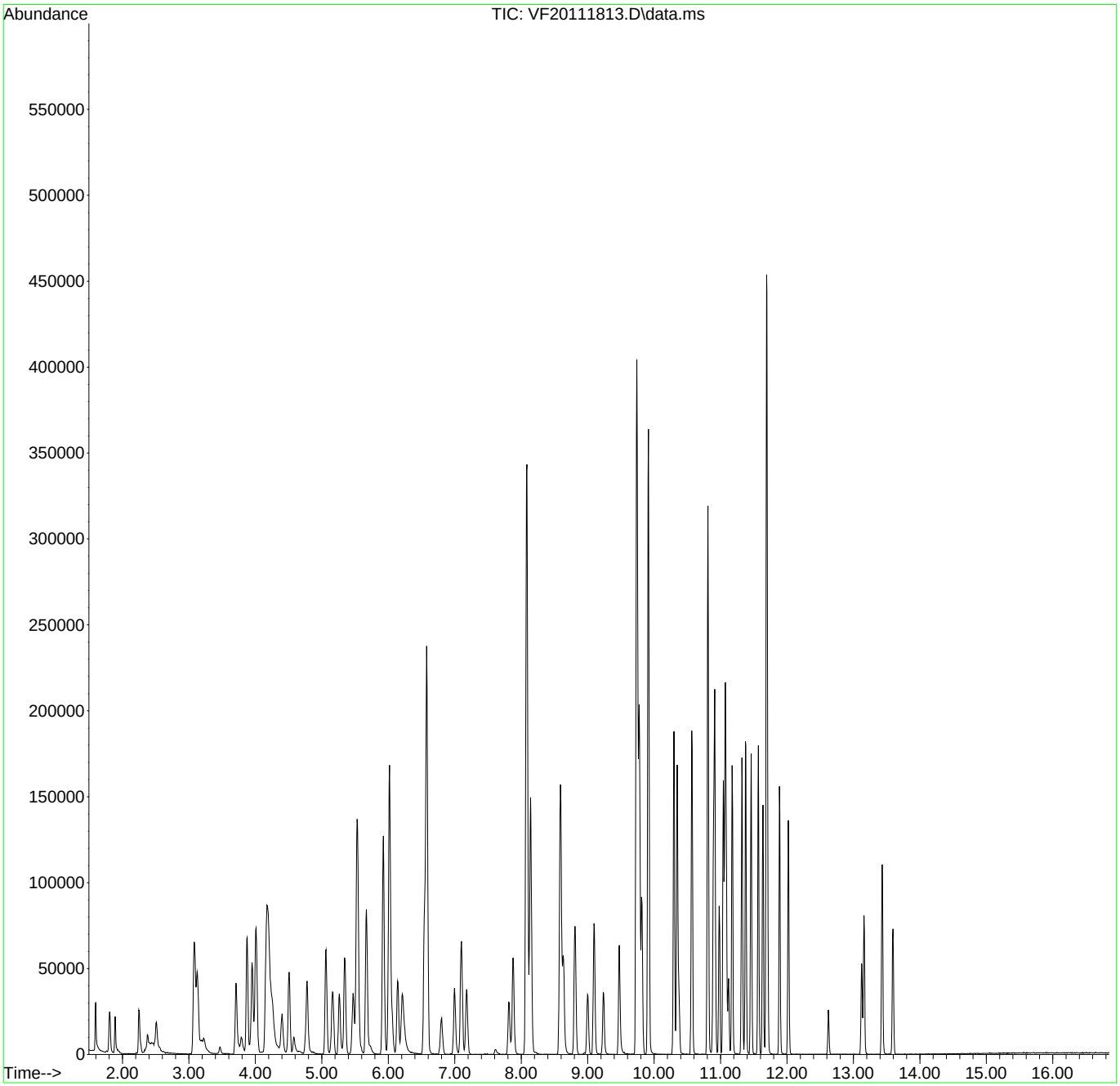
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 4-Chlorotoluene	11.175	91	84787	20.67	ug/L	97
73) tert-Butylbenzene	11.321	91	47652	19.51	ug/L	89
74) 1,2,4-Trimethylbenzene	11.382	105	89795	20.39	ug/L	100
75) sec-Butylbenzene	11.461	105	103102	19.77	ug/L	97
76) 4-Isopropyltoluene	11.570	119	85613	20.52	ug/L	97
77) 1,3-Dichlorobenzene	11.637	146	49675	20.31	ug/L	98
78) 1,4-Dichlorobenzene	11.704	146	51178	18.76	ug/L	97
79) n-Butylbenzene	11.887	91	71795	19.38	ug/L	96
80) 1,2-Dichlorobenzene	12.020	146	46891	20.43	ug/L	98
81) 1,2-Dibromo-3-Chloropr...	12.622	157	6040	19.30	ug/L	95
82) Hexachlorobutadiene	13.127	223	6288	19.56	ug/L	98
83) 1,2,4-Trichlorobenzene	13.158	180	23472	19.46	ug/L	96
84) Naphthalene	13.431	128	79109	17.63	ug/L	99
85) 1,2,3-Trichlorobenzene	13.595	180	22900	19.77	ug/L	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111813.D
Acq On : 18 Nov 2020 10:37 pm
Operator : TNL
Sample : 0k18062-CAL8
Misc : 1X 5mL 20ppb DI+MeOH
ALS Vial : 13 Sample Multiplier: 1

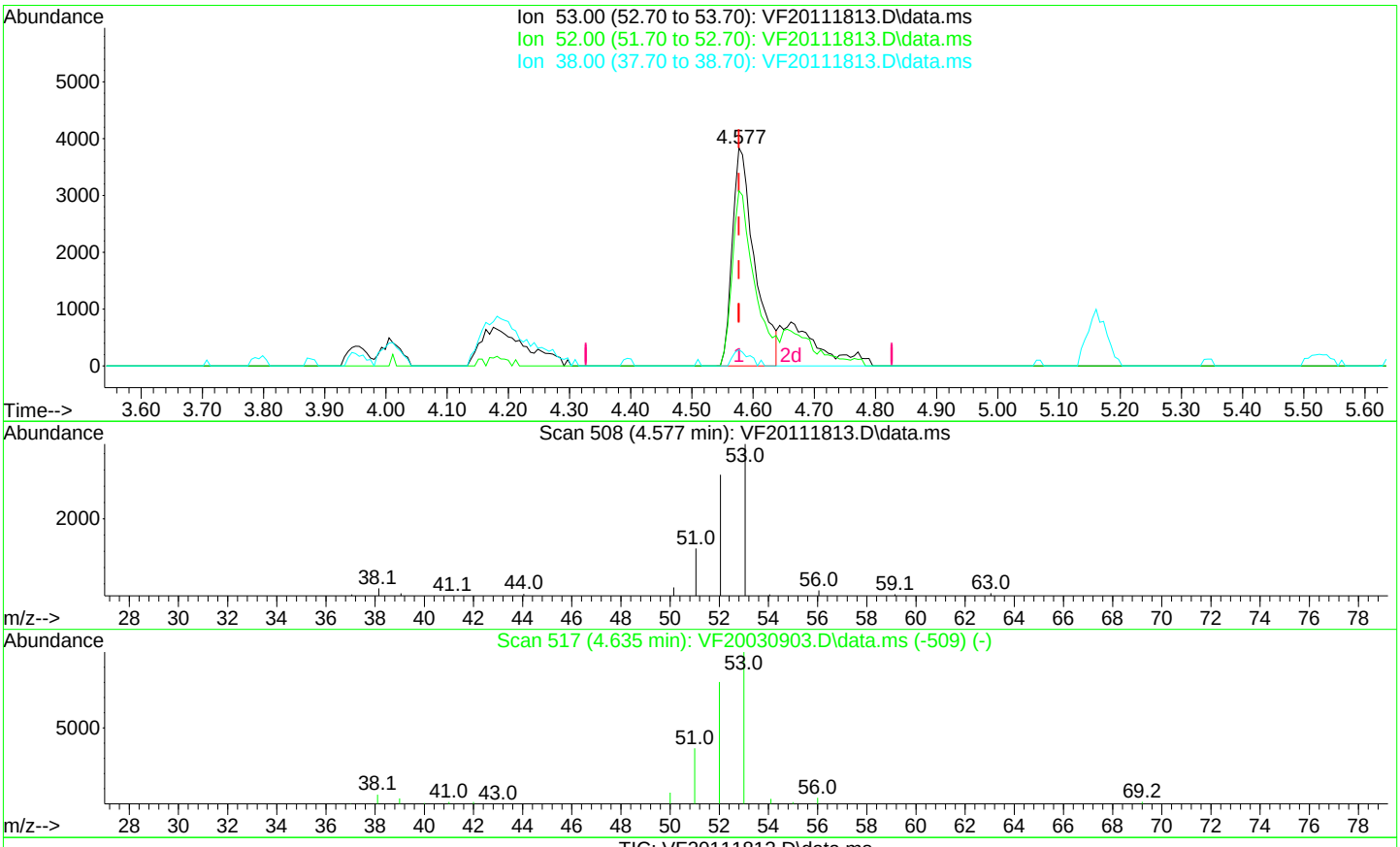
Quant Time: Nov 19 13:33:23 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:22:36 2020
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111813.D
Acq On : 18 Nov 2020 10:37 pm
Operator : TNL
Sample : 0k18062-CAL8
Misc : 1X 5mL 20ppb DI+MeOH
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 19 13:33:23 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:22:36 2020
Response via : Initial Calibration



TIC: VF20111813.D\data.ms

(21) Acrylonitrile

4.577min (0.000) 13.63 ug/L

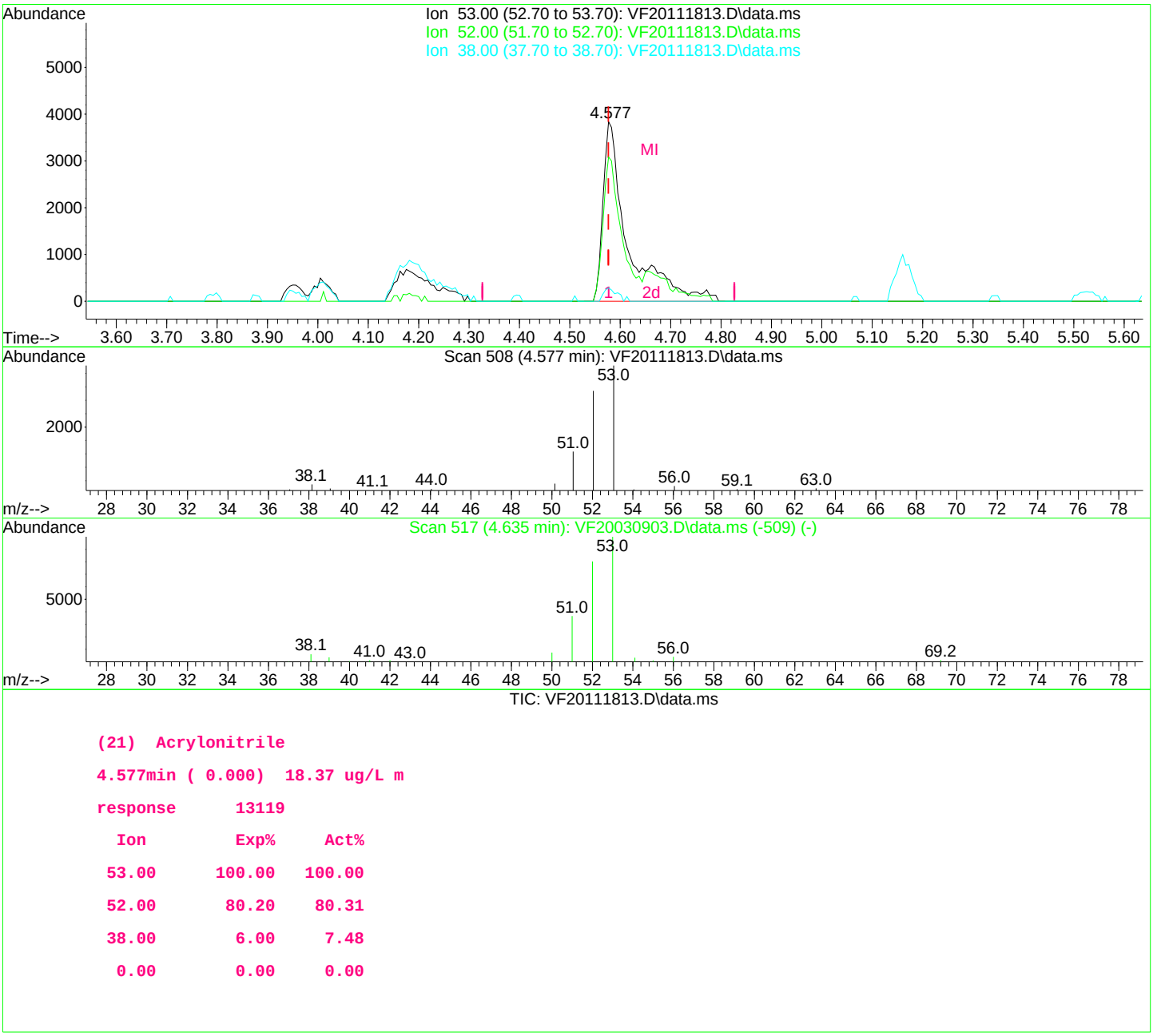
response 9736

Ion	Exp%	Act%
53.00	100.00	100.00
52.00	80.20	80.31
38.00	6.00	7.48
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111813.D
Acq On : 18 Nov 2020 10:37 pm
Operator : TNL
Sample : 0k18062-CAL8
Misc : 1X 5mL 20ppb DI+MeOH
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 19 13:33:23 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:22:36 2020
Response via : Initial Calibration



TIC: VF20111813.D\data.ms

(21) Acrylonitrile

4.577min (0.000) 18.37 ug/L m

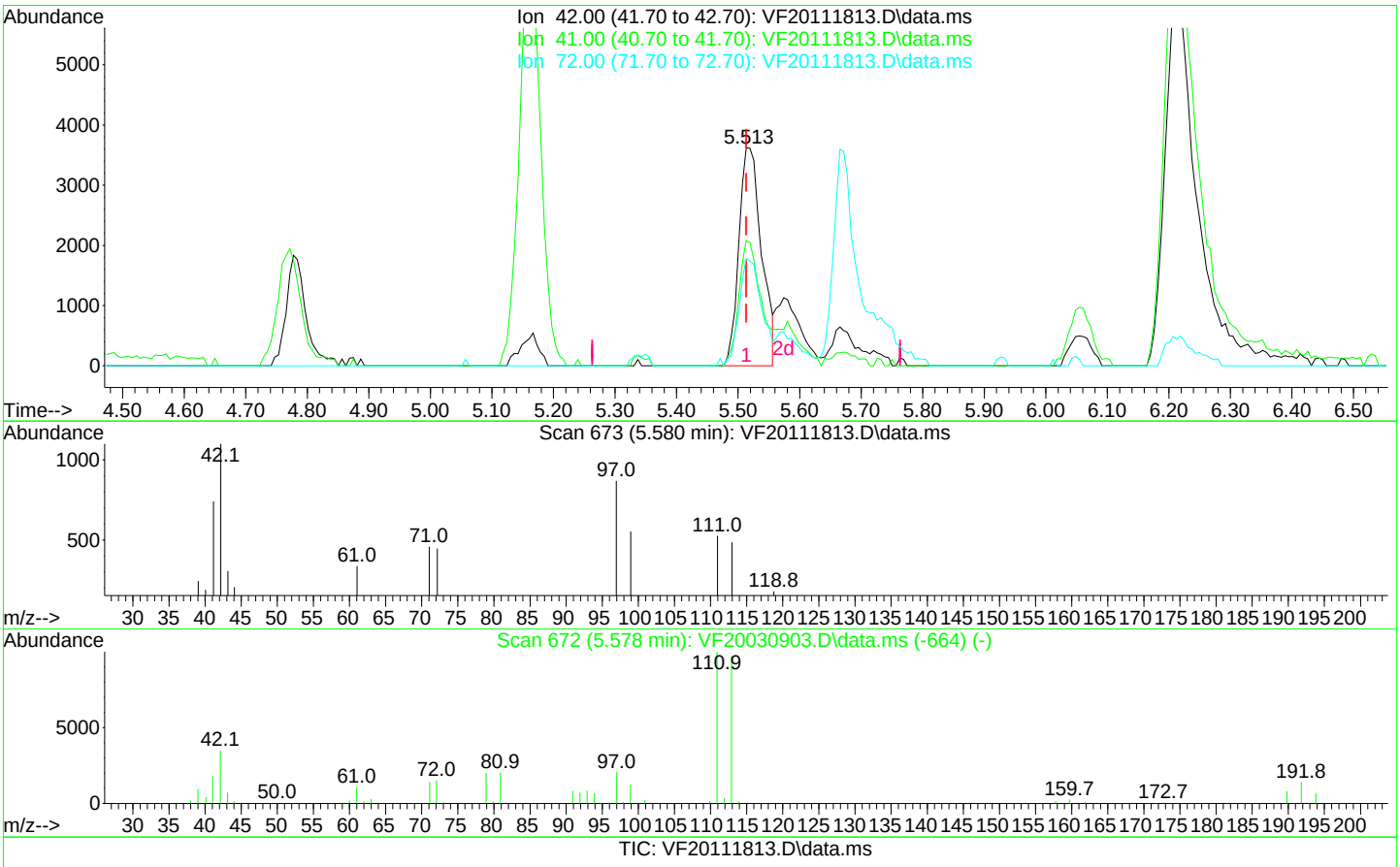
response 13119

Ion	Exp%	Act%
53.00	100.00	100.00
52.00	80.20	80.31
38.00	6.00	7.48
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111813.D
Acq On : 18 Nov 2020 10:37 pm
Operator : TNL
Sample : 0k18062-CAL8
Misc : 1X 5mL 20ppb DI+MeOH
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 19 13:33:23 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:22:36 2020
Response via : Initial Calibration



TIC: VF20111813.D\data.ms

(28) Tetrahydrofuran

5.513min (0.000) 12.33 ug/L

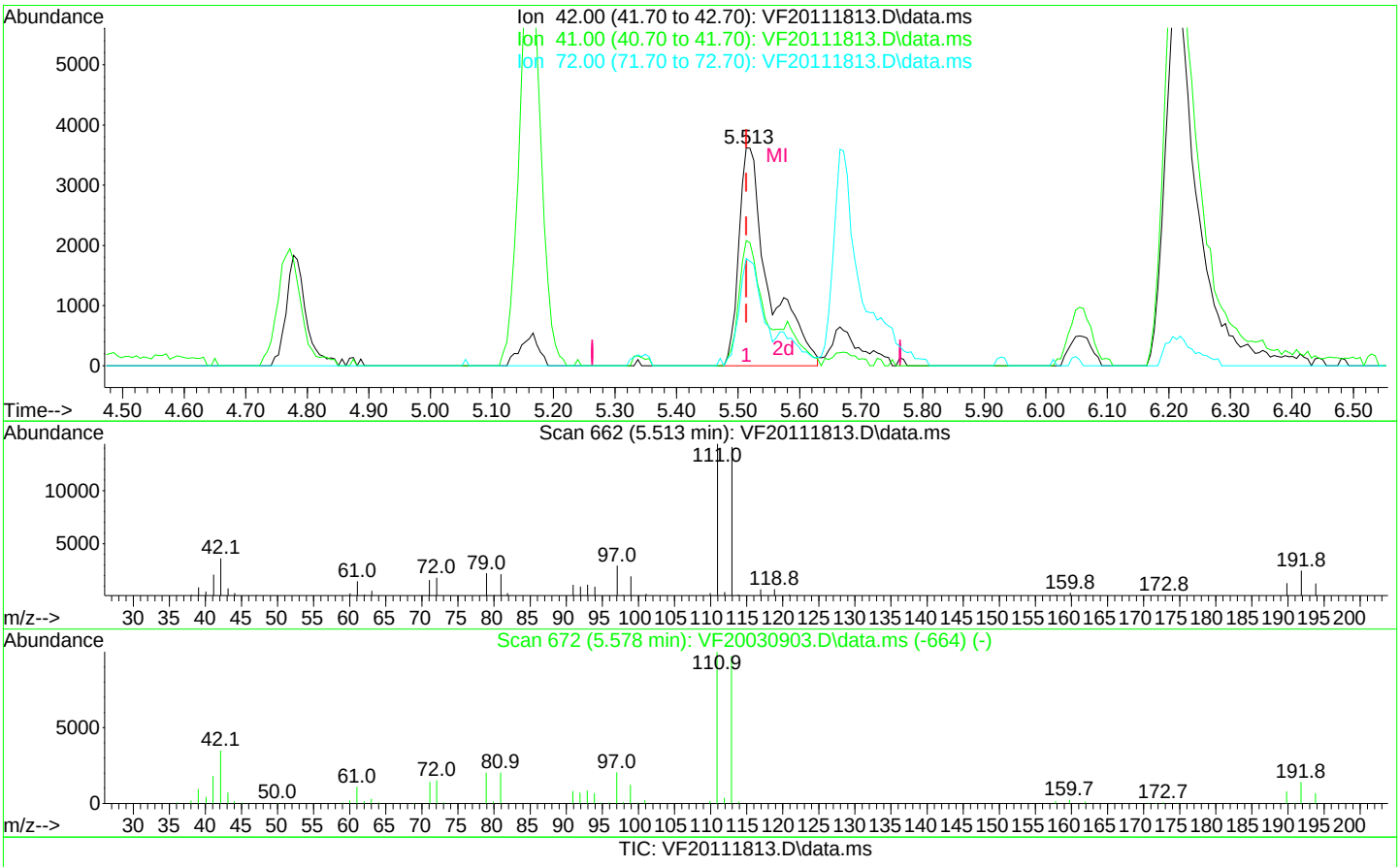
response 9228

Ion	Exp%	Act%
42.00	100.00	100.00
41.00	59.60	57.47
72.00	42.90	49.19
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111813.D
Acq On : 18 Nov 2020 10:37 pm
Operator : TNL
Sample : 0k18062-CAL8
Misc : 1X 5mL 20ppb DI+MeOH
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 19 13:33:23 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:22:36 2020
Response via : Initial Calibration



TIC: VF20111813.D\data.ms

(28) Tetrahydrofuran

5.513min (0.000) 16.38 ug/L m

response 12253

Ion	Exp%	Act%
42.00	100.00	100.00
41.00	59.60	57.47
72.00	42.90	49.19
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111813.D
Acq On : 18 Nov 2020 10:37 pm
Operator : TNL
Sample : 0k18062-CAL8
Misc : 1X 5mL 20ppb DI+MeOH
ALS Vial : 13 Sample Multiplier: 1

11/20/20 TNL

Quant Time: Nov 19 13:34:35 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:22:36 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.018	99	69152	50.00	ug/L		0.00
43) Chlorobenzene-d5 (I)	9.740	117	190541	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.692	152	88102	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.525	111	61514	53.24	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.578	114	212389	52.24	ug/L		0.00
45) Toluene-d8 (S)	8.086	98	271584	47.99	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.810	174	76417	50.91	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.597	85	20219	13.77	ug/L		98
3) Chloromethane	1.810	50	24696	12.53	ug/L		98
4) Vinyl Chloride	1.889	62	18382	10.67	ug/L		94
5) Bromomethane	2.248	96	15438	13.76	ug/L		97
6) Chloroethane	2.375	64	6481	13.29	ug/L		76
7) Trichlorofluoromethane	2.509	101	11000	10.74	ug/L		97
8) Ethanol	3.190	45	20906	1029.18	ug/L		89
9) 1,1-Dichloroethene	3.075	61	34267	15.75	ug/L		87
10) Carbon Disulfide	3.093	76	44882	17.26	ug/L		98
11) Freon 113	3.123	101	23038	20.19	ug/L		84
12) Iodomethane	3.227	142	10817	20.89	ug/L		98
13) Methylene Chloride	3.707	84	25454	17.59	ug/L		96
14) Acetone	3.792	43	14756	24.14	ug/L		98
15) t-1,2-Dichloroethene	3.871	61	37713	18.27	ug/L		98
16) n-Hexane	3.950	86	5290	20.87	ug/L		98
17) Methyl-tert-butyl-ether	4.011	73	85014	19.54	ug/L		98
18) tert-Butanol (TBA)	4.175	59	241574	1416.90	ug/L	#	98
19) Diisopropyl ether (DIPE)	4.400	45	20831	4.08	ug/L		98
20) 1,1-Dichloroethane	4.510	63	51342	18.73	ug/L		98
21) Acrylonitrile	4.577	53	13119m	18.37	ug/L		
22) Ethyl-tert-butyl ether...	4.771	59	21089	5.10	ug/L		99
23) c-1,2-Dichloroethene	5.063	61	38139	18.37	ug/L		97
24) 2,2-Dichloropropane	5.167	77	24093	16.36	ug/L		98
25) Bromochloromethane	5.264	49	19335	14.02	ug/L		99
26) Chloroform	5.343	83	49103	20.95	ug/L		97
27) Carbon Tetrachloride	5.477	117	26912	21.87	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111813.D
Acq On : 18 Nov 2020 10:37 pm
Operator : TNL
Sample : 0k18062-CAL8
Misc : 1X 5mL 20ppb DI+MeOH
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 19 13:34:35 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:22:36 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
28) Tetrahydrofuran	5.513	42	12253m	16.38	ug/L		
29) 1,1,1-Trichloroethane	5.538	97	39360	21.15	ug/L		95
31) 1,1-Dichloropropene	5.671	75	38693	20.03	ug/L		96
32) 2-Butanone (MEK)	5.665	43	33719	32.34	ug/L		85
33) Benzene	5.927	78	128160	20.33	ug/L		99
34) tert-Amyl methyl ether...	6.055	73	19144	4.95	ug/L		92
35) 1,2-Dichloroethane (EDC)	6.140	62	40368	19.14	ug/L		99
36) iso-Butyl Alcohol	6.219	43	38918	476.83	ug/L		92
38) Trichloroethene (TCE)	6.547	130	30393	21.71	ug/L		98
39) tert-Amyl ethyl ether ...	6.803	59	13375	4.72	ug/L		90
40) Dibromomethane	6.997	93	17151	20.22	ug/L		87
41) 1,2-Dichloropropane	7.101	63	30689	18.49	ug/L		99
42) Bromodichloromethane	7.180	83	30371	21.12	ug/L		97
44) c-1,3-Dichloropropene	7.879	75	38461	16.94	ug/L		96
46) Toluene	8.140	91	132554	18.33	ug/L		98
47) Tetrachloroethene (PCE)	8.590	166	27983	19.85	ug/L		94
48) 4-Methyl-2-Pentanone (...	8.590	43	67256	28.99	ug/L		96
49) t-1,3-Dichloropropene	8.633	75	34568	16.19	ug/L		95
50) 1,1,2-Trichloroethane	8.809	97	28490	19.56	ug/L		98
51) Dibromochloromethane	8.998	129	21292	19.28	ug/L		93
52) 1,3-Dichloropropane	9.101	76	52245	19.22	ug/L		93
53) 1,2-Dibromoethane (EDB)	9.235	107	27857	20.05	ug/L		98
54) 2-Hexanone	9.472	43	44118	26.77	ug/L		97
55) Chlorobenzene	9.752	112	81288	19.70	ug/L		95
56) Ethylbenzene	9.776	91	134826	19.55	ug/L		97
57) 1,1,1,2-Tetrachloroethane	9.819	131	23556	18.99	ug/L		98
58) m,p-Xylenes (2)	9.916	91	198165	40.10	ug/L		97
59) o-Xylene	10.299	91	99147	19.91	ug/L		96
60) Styrene	10.348	104	74971	18.32	ug/L		98
61) Bromoform	10.372	173	13884	19.45	ug/L		98
62) Isopropylbenzene	10.567	105	114383	20.03	ug/L		97
65) Bromobenzene	10.895	156	30769	20.89	ug/L		91
66) n-Propylbenzene	10.914	91	131803	19.23	ug/L		97
67) 1,1,2,2-Tetrachloroethane	10.980	83	37215	20.86	ug/L		97
68) 2-Chlorotoluene	11.041	126	26541	20.00	ug/L	#	79
69) 1,3,5-Trimethylbenzene	11.072	105	88872	20.27	ug/L		96
70) 1,2,3-Trichloropropane	11.090	110	12837	19.36	ug/L		83
71) t-1,4-Dichloro-2-butene	11.120	88	3300	15.24	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111813.D
Acq On : 18 Nov 2020 10:37 pm
Operator : TNL
Sample : 0k18062-CAL8
Misc : 1X 5mL 20ppb DI+MeOH
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 19 13:34:35 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:22:36 2020
Response via : Initial Calibration

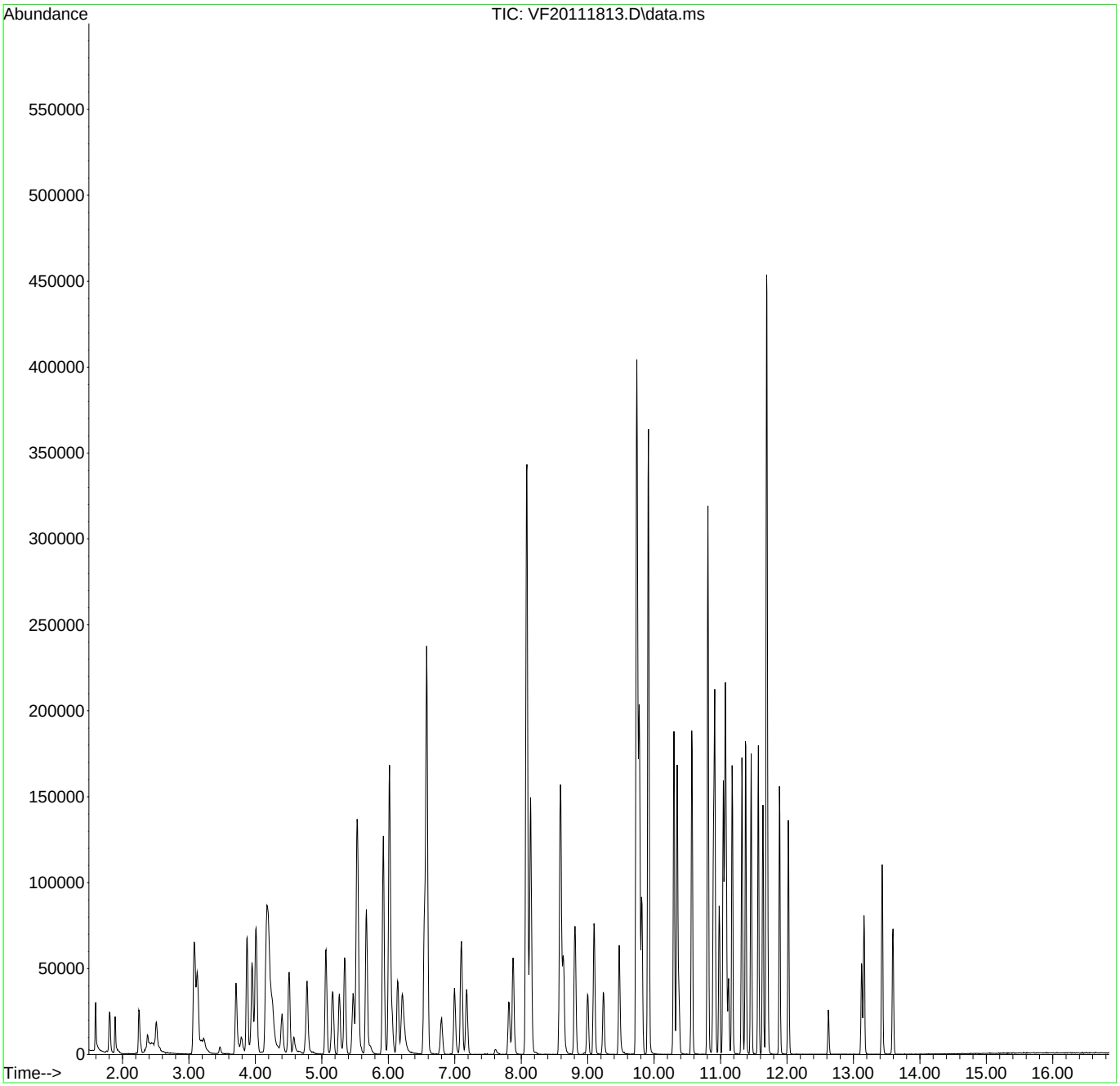
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 4-Chlorotoluene	11.175	91	84787	20.67	ug/L	97
73) tert-Butylbenzene	11.321	91	47652	19.51	ug/L	89
74) 1,2,4-Trimethylbenzene	11.382	105	89795	20.39	ug/L	100
75) sec-Butylbenzene	11.461	105	103102	19.77	ug/L	97
76) 4-Isopropyltoluene	11.570	119	85613	20.52	ug/L	97
77) 1,3-Dichlorobenzene	11.637	146	49675	20.31	ug/L	98
78) 1,4-Dichlorobenzene	11.704	146	51178	18.76	ug/L	97
79) n-Butylbenzene	11.887	91	71795	19.38	ug/L	96
80) 1,2-Dichlorobenzene	12.020	146	46891	20.43	ug/L	98
81) 1,2-Dibromo-3-Chloropr...	12.622	157	6040	19.30	ug/L	95
82) Hexachlorobutadiene	13.127	223	6288	19.56	ug/L	98
83) 1,2,4-Trichlorobenzene	13.158	180	23472	19.46	ug/L	96
84) Naphthalene	13.431	128	79109	17.63	ug/L	99
85) 1,2,3-Trichlorobenzene	13.595	180	22900	19.77	ug/L	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111813.D
Acq On : 18 Nov 2020 10:37 pm
Operator : TNL
Sample : 0k18062-CAL8
Misc : 1X 5mL 20ppb DI+MeOH
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 19 13:34:35 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:22:36 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111814.D
Acq On : 18 Nov 2020 11:04 pm
Operator : TNL
Sample : 0k18062-CAL9 11/20/20 TNL
Misc : 1X 5mL 50ppb DI+MeOH
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 19 13:36:12 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:22:36 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.018	99	70758	50.00	ug/L		0.00
43) Chlorobenzene-d5 (I)	9.740	117	198760	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.692	152	93317	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.531	111	64757	54.78	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.577	114	218582	52.54	ug/L		0.00
45) Toluene-d8 (S)	8.085	98	282041	47.78	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.810	174	80402	50.57	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.603	85	66328	44.16	ug/L		100
3) Chloromethane	1.810	50	72281	35.85	ug/L		97
4) Vinyl Chloride	1.895	62	49966	28.34	ug/L		98
5) Bromomethane	2.253	96	35846	31.23	ug/L		97
6) Chloroethane	2.393	64	18409	36.90	ug/L		94
7) Trichlorofluoromethane	2.521	101	24668	23.54	ug/L		97
8) Ethanol	3.227	45	48562	Below Cal			89
9) 1,1-Dichloroethene	3.081	61	85967	38.61	ug/L		87
10) Carbon Disulfide	3.093	76	126921	47.70	ug/L		99
11) Freon 113	3.129	101	55209	47.29	ug/L		84
12) Iodomethane	3.233	142	37147	53.78	ug/L		95
13) Methylene Chloride	3.713	84	62105	41.95	ug/L		96
14) Acetone	3.798	43	45486	72.73	ug/L		98
15) t-1,2-Dichloroethene	3.877	61	96837	45.86	ug/L		97
16) n-Hexane	3.956	86	13521	52.13	ug/L		99
17) Methyl-tert-butyl-ether	4.011	73	227524	51.11	ug/L		99
18) tert-Butanol (TBA)	4.212	59	512986	2940.51	ug/L	#	93
19) Diisopropyl ether (DIPE)	4.400	45	42203	8.07	ug/L		96
20) 1,1-Dichloroethane	4.510	63	127265	45.38	ug/L		96
21) Acrylonitrile	4.577	53	33845	46.32	ug/L		98
22) Ethyl-tert-butyl ether...	4.771	59	41978	9.91	ug/L		96
23) c-1,2-Dichloroethene	5.063	61	99855	47.00	ug/L		97
24) 2,2-Dichloropropane	5.166	77	64990	43.13	ug/L		96
25) Bromochloromethane	5.264	49	49698	35.22	ug/L		97
26) Chloroform	5.349	83	125687	52.41	ug/L		99
27) Carbon Tetrachloride	5.477	117	71948	53.10	ug/L		97

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111814.D
Acq On : 18 Nov 2020 11:04 pm
Operator : TNL
Sample : 0k18062-CAL9
Misc : 1X 5mL 50ppb DI+MeOH
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 19 13:36:12 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:22:36 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
28) Tetrahydrofuran	5.519	42	31710	41.42	ug/L		95
29) 1,1,1-Trichloroethane	5.543	97	100737	52.90	ug/L		99
31) 1,1-Dichloropropene	5.671	75	96786	48.97	ug/L		97
32) 2-Butanone (MEK)	5.671	43	87478	81.99	ug/L		88
33) Benzene	5.927	78	320261	49.66	ug/L		100
34) tert-Amyl methyl ether...	6.054	73	39182	9.91	ug/L		94
35) 1,2-Dichloroethane (EDC)	6.146	62	104207	48.30	ug/L		99
36) iso-Butyl Alcohol	6.225	43	109408	1310.06	ug/L		92
38) Trichloroethene (TCE)	6.547	130	76409	53.35	ug/L		98
39) tert-Amyl ethyl ether ...	6.802	59	27794	9.60	ug/L		92
40) Dibromomethane	6.997	93	46102	53.12	ug/L		88
41) 1,2-Dichloropropane	7.100	63	80324	47.29	ug/L		98
42) Bromodichloromethane	7.179	83	86862	54.63	ug/L		99
44) c-1,3-Dichloropropene	7.879	75	111434	45.60	ug/L		96
46) Toluene	8.140	91	331469	43.95	ug/L		99
47) Tetrachloroethene (PCE)	8.590	166	68570	46.62	ug/L		93
48) 4-Methyl-2-Pentanone (...	8.590	43	179119	74.01	ug/L		96
49) t-1,3-Dichloropropene	8.633	75	101667	43.22	ug/L		96
50) 1,1,2-Trichloroethane	8.809	97	74040	48.73	ug/L		96
51) Dibromochloromethane	8.998	129	64560	52.01	ug/L		94
52) 1,3-Dichloropropane	9.101	76	135619	47.83	ug/L		93
53) 1,2-Dibromoethane (EDB)	9.235	107	75650	52.20	ug/L		98
54) 2-Hexanone	9.472	43	119430	68.44	ug/L		97
55) Chlorobenzene	9.752	112	208768	48.49	ug/L		97
56) Ethylbenzene	9.776	91	342923	47.66	ug/L		97
57) 1,1,1,2-Tetrachloroethane	9.819	131	66693	49.49	ug/L		98
58) m,p-Xylenes (2)	9.916	91	507696	98.48	ug/L		96
59) o-Xylene	10.299	91	258736	49.82	ug/L		97
60) Styrene	10.348	104	207212	47.16	ug/L		98
61) Bromoform	10.372	173	43395	52.73	ug/L		100
62) Isopropylbenzene	10.567	105	294644	49.46	ug/L		98
65) Bromobenzene	10.895	156	79108	50.72	ug/L		89
66) n-Propylbenzene	10.913	91	336256	46.31	ug/L		97
67) 1,1,2,2-Tetrachloroethane	10.980	83	97676	51.70	ug/L		98
68) 2-Chlorotoluene	11.041	126	69560	49.48	ug/L	#	76
69) 1,3,5-Trimethylbenzene	11.071	105	228986	49.32	ug/L		98
70) 1,2,3-Trichloropropane	11.090	110	32566	46.37	ug/L	#	79
71) t-1,4-Dichloro-2-butene	11.120	88	10961	42.94	ug/L	#	87

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111814.D
Acq On : 18 Nov 2020 11:04 pm
Operator : TNL
Sample : 0k18062-CAL9
Misc : 1X 5mL 50ppb DI+MeOH
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 19 13:36:12 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:22:36 2020
Response via : Initial Calibration

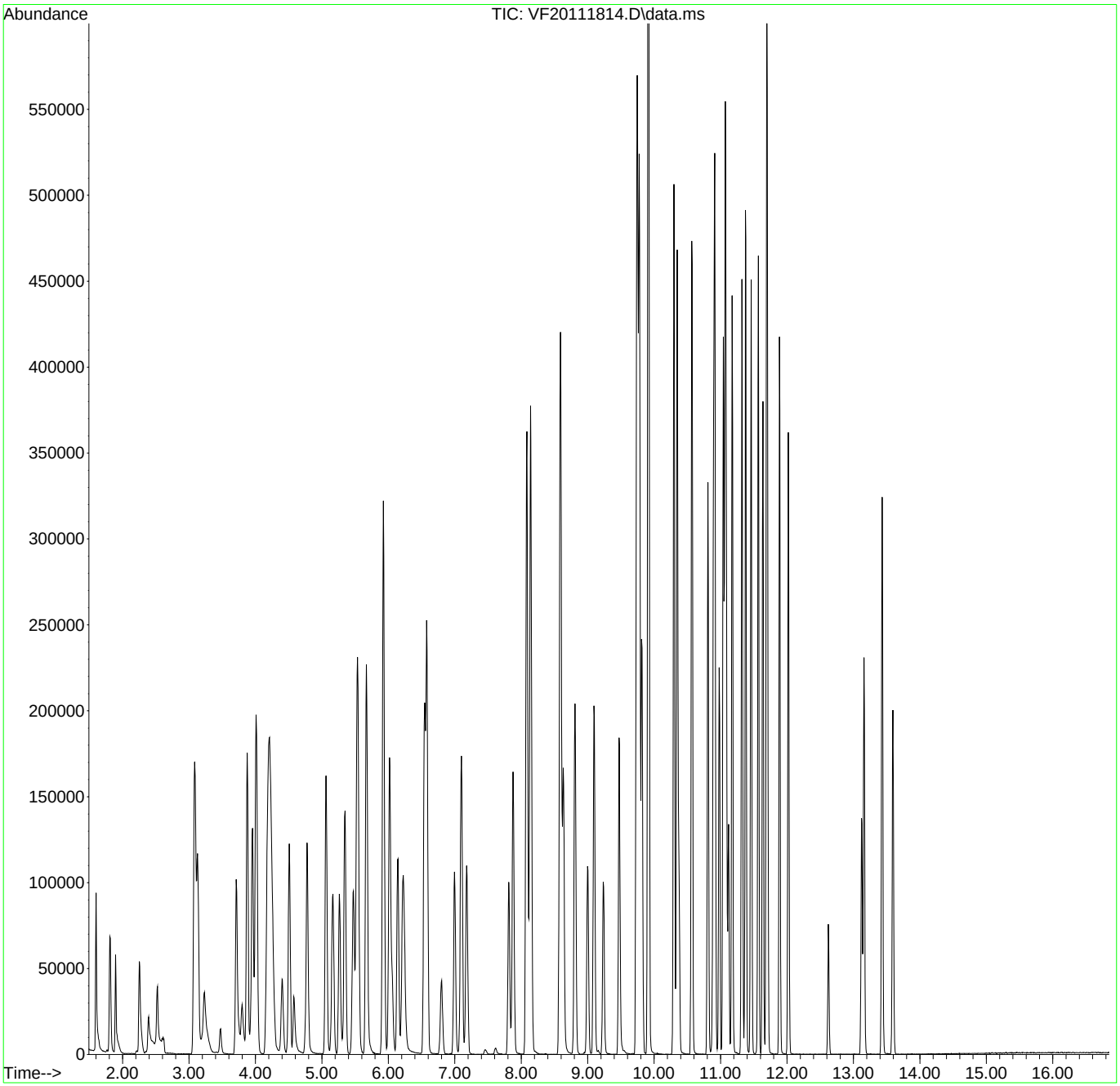
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 4-Chlorotoluene	11.175	91	214235	49.30	ug/L	97
73) tert-Butylbenzene	11.321	91	122715	47.43	ug/L	90
74) 1,2,4-Trimethylbenzene	11.376	105	233261	50.00	ug/L	98
75) sec-Butylbenzene	11.461	105	266467	48.24	ug/L	97
76) 4-Isopropyltoluene	11.570	119	221864	50.20	ug/L	97
77) 1,3-Dichlorobenzene	11.637	146	130673	50.43	ug/L	98
78) 1,4-Dichlorobenzene	11.704	146	131614	45.55	ug/L	97
79) n-Butylbenzene	11.886	91	188741	48.10	ug/L	96
80) 1,2-Dichlorobenzene	12.020	146	119989	49.36	ug/L	97
81) 1,2-Dibromo-3-Chloropr...	12.628	157	17952	49.46	ug/L	91
82) Hexachlorobutadiene	13.127	223	16285	47.82	ug/L	98
83) 1,2,4-Trichlorobenzene	13.157	180	65421	51.22	ug/L	98
84) Naphthalene	13.431	128	228943	46.77	ug/L	100
85) 1,2,3-Trichlorobenzene	13.595	180	60794	49.55	ug/L	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111814.D
Acq On : 18 Nov 2020 11:04 pm
Operator : TNL
Sample : 0k18062-CAL9
Misc : 1X 5mL 50ppb DI+MeOH
ALS Vial : 14 Sample Multiplier: 1

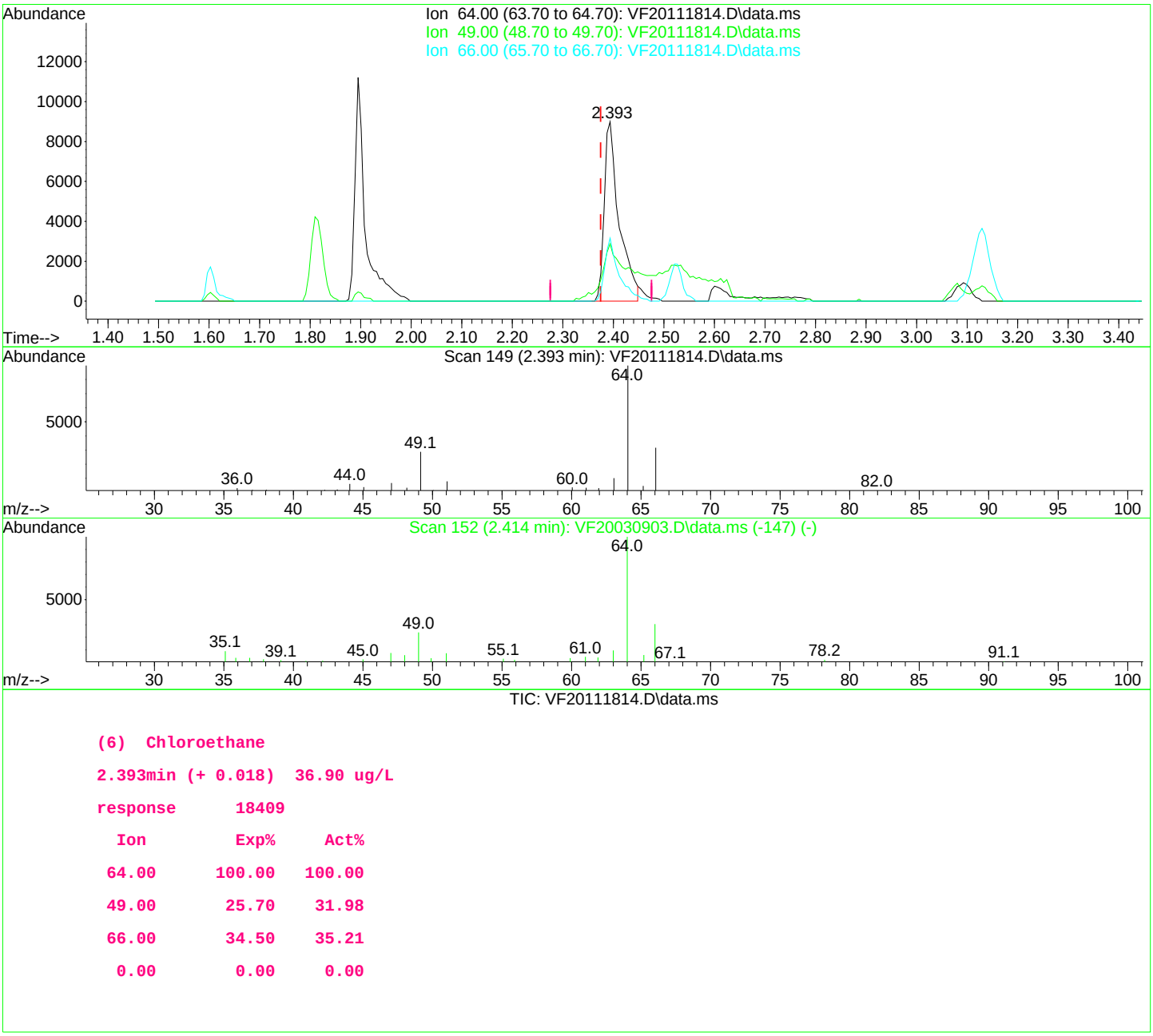
Quant Time: Nov 19 13:36:12 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:22:36 2020
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111814.D
Acq On : 18 Nov 2020 11:04 pm
Operator : TNL
Sample : 0k18062-CAL9
Misc : 1X 5mL 50ppb DI+MeOH
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 19 13:36:12 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:22:36 2020
Response via : Initial Calibration



TIC: VF20111814.D\data.ms

(6) Chloroethane

2.393min (+ 0.018) 36.90 ug/L

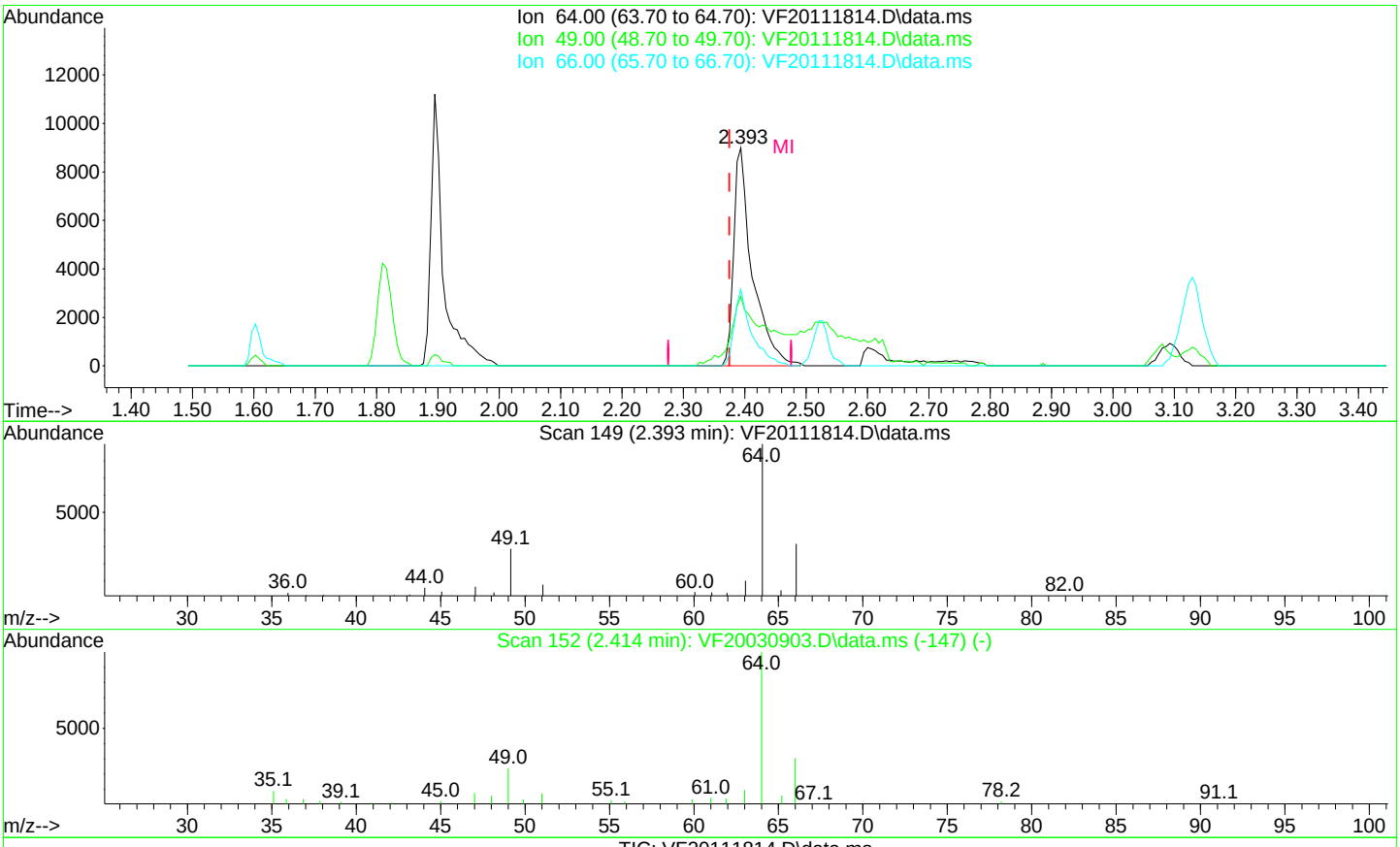
response 18409

Ion	Exp%	Act%
64.00	100.00	100.00
49.00	25.70	31.98
66.00	34.50	35.21
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111814.D
Acq On : 18 Nov 2020 11:04 pm
Operator : TNL
Sample : 0k18062-CAL9
Misc : 1X 5mL 50ppb DI+MeOH
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 19 13:36:12 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:22:36 2020
Response via : Initial Calibration



TIC: VF20111814.D\data.ms

(6) Chloroethane

2.393min (+ 0.018) 38.29 ug/L m

response 19104

Ion	Exp%	Act%
64.00	100.00	100.00
49.00	25.70	31.98
66.00	34.50	35.21
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111814.D
Acq On : 18 Nov 2020 11:04 pm
Operator : TNL 11/20/20 TNL
Sample : 0k18062-CAL9
Misc : 1X 5mL 50ppb DI+MeOH
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 19 13:37:54 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:22:36 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.018	99	70758	50.00	ug/L		0.00
43) Chlorobenzene-d5 (I)	9.740	117	198760	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.692	152	93317	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.531	111	64757	54.78	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.577	114	218582	52.54	ug/L		0.00
45) Toluene-d8 (S)	8.085	98	282041	47.78	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.810	174	80402	50.57	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.603	85	66328	44.16	ug/L		100
3) Chloromethane	1.810	50	72281	35.85	ug/L		97
4) Vinyl Chloride	1.895	62	49966	28.34	ug/L		98
5) Bromomethane	2.253	96	35846	31.23	ug/L		97
6) Chloroethane	2.393	64	19104m	38.29	ug/L		
7) Trichlorofluoromethane	2.521	101	24668	23.54	ug/L		97
8) Ethanol	3.227	45	48562	Below Cal			89
9) 1,1-Dichloroethene	3.081	61	85967	38.61	ug/L		87
10) Carbon Disulfide	3.093	76	126921	47.70	ug/L		99
11) Freon 113	3.129	101	55209	47.29	ug/L		84
12) Iodomethane	3.233	142	37147	53.78	ug/L		95
13) Methylene Chloride	3.713	84	62105	41.95	ug/L		96
14) Acetone	3.798	43	45486	72.73	ug/L		98
15) t-1,2-Dichloroethene	3.877	61	96837	45.86	ug/L		97
16) n-Hexane	3.956	86	13521	52.13	ug/L		99
17) Methyl-tert-butyl-ether	4.011	73	227524	51.11	ug/L		99
18) tert-Butanol (TBA)	4.212	59	512986	2940.51	ug/L	#	93
19) Diisopropyl ether (DIPE)	4.400	45	42203	8.07	ug/L		96
20) 1,1-Dichloroethane	4.510	63	127265	45.38	ug/L		96
21) Acrylonitrile	4.577	53	33845	46.32	ug/L		98
22) Ethyl-tert-butyl ether...	4.771	59	41978	9.91	ug/L		96
23) c-1,2-Dichloroethene	5.063	61	99855	47.00	ug/L		97
24) 2,2-Dichloropropane	5.166	77	64990	43.13	ug/L		96
25) Bromochloromethane	5.264	49	49698	35.22	ug/L		97
26) Chloroform	5.349	83	125687	52.41	ug/L		99
27) Carbon Tetrachloride	5.477	117	71948	53.10	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111814.D
Acq On : 18 Nov 2020 11:04 pm
Operator : TNL
Sample : 0k18062-CAL9
Misc : 1X 5mL 50ppb DI+MeOH
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 19 13:37:54 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:22:36 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
28) Tetrahydrofuran	5.519	42	31710	41.42	ug/L		95
29) 1,1,1-Trichloroethane	5.543	97	100737	52.90	ug/L		99
31) 1,1-Dichloropropene	5.671	75	96786	48.97	ug/L		97
32) 2-Butanone (MEK)	5.671	43	87478	81.99	ug/L		88
33) Benzene	5.927	78	320261	49.66	ug/L		100
34) tert-Amyl methyl ether...	6.054	73	39182	9.91	ug/L		94
35) 1,2-Dichloroethane (EDC)	6.146	62	104207	48.30	ug/L		99
36) iso-Butyl Alcohol	6.225	43	109408	1310.06	ug/L		92
38) Trichloroethene (TCE)	6.547	130	76409	53.35	ug/L		98
39) tert-Amyl ethyl ether ...	6.802	59	27794	9.60	ug/L		92
40) Dibromomethane	6.997	93	46102	53.12	ug/L		88
41) 1,2-Dichloropropane	7.100	63	80324	47.29	ug/L		98
42) Bromodichloromethane	7.179	83	86862	54.63	ug/L		99
44) c-1,3-Dichloropropene	7.879	75	111434	45.60	ug/L		96
46) Toluene	8.140	91	331469	43.95	ug/L		99
47) Tetrachloroethene (PCE)	8.590	166	68570	46.62	ug/L		93
48) 4-Methyl-2-Pentanone (...	8.590	43	179119	74.01	ug/L		96
49) t-1,3-Dichloropropene	8.633	75	101667	43.22	ug/L		96
50) 1,1,2-Trichloroethane	8.809	97	74040	48.73	ug/L		96
51) Dibromochloromethane	8.998	129	64560	52.01	ug/L		94
52) 1,3-Dichloropropane	9.101	76	135619	47.83	ug/L		93
53) 1,2-Dibromoethane (EDB)	9.235	107	75650	52.20	ug/L		98
54) 2-Hexanone	9.472	43	119430	68.44	ug/L		97
55) Chlorobenzene	9.752	112	208768	48.49	ug/L		97
56) Ethylbenzene	9.776	91	342923	47.66	ug/L		97
57) 1,1,1,2-Tetrachloroethane	9.819	131	66693	49.49	ug/L		98
58) m,p-Xylenes (2)	9.916	91	507696	98.48	ug/L		96
59) o-Xylene	10.299	91	258736	49.82	ug/L		97
60) Styrene	10.348	104	207212	47.16	ug/L		98
61) Bromoform	10.372	173	43395	52.73	ug/L		100
62) Isopropylbenzene	10.567	105	294644	49.46	ug/L		98
65) Bromobenzene	10.895	156	79108	50.72	ug/L		89
66) n-Propylbenzene	10.913	91	336256	46.31	ug/L		97
67) 1,1,2,2-Tetrachloroethane	10.980	83	97676	51.70	ug/L		98
68) 2-Chlorotoluene	11.041	126	69560	49.48	ug/L	#	76
69) 1,3,5-Trimethylbenzene	11.071	105	228986	49.32	ug/L		98
70) 1,2,3-Trichloropropane	11.090	110	32566	46.37	ug/L	#	79
71) t-1,4-Dichloro-2-butene	11.120	88	10961	42.94	ug/L	#	87

Quantitation Report (QT Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111814.D
Acq On : 18 Nov 2020 11:04 pm
Operator : TNL
Sample : 0k18062-CAL9
Misc : 1X 5mL 50ppb DI+MeOH
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 19 13:37:54 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:22:36 2020
Response via : Initial Calibration

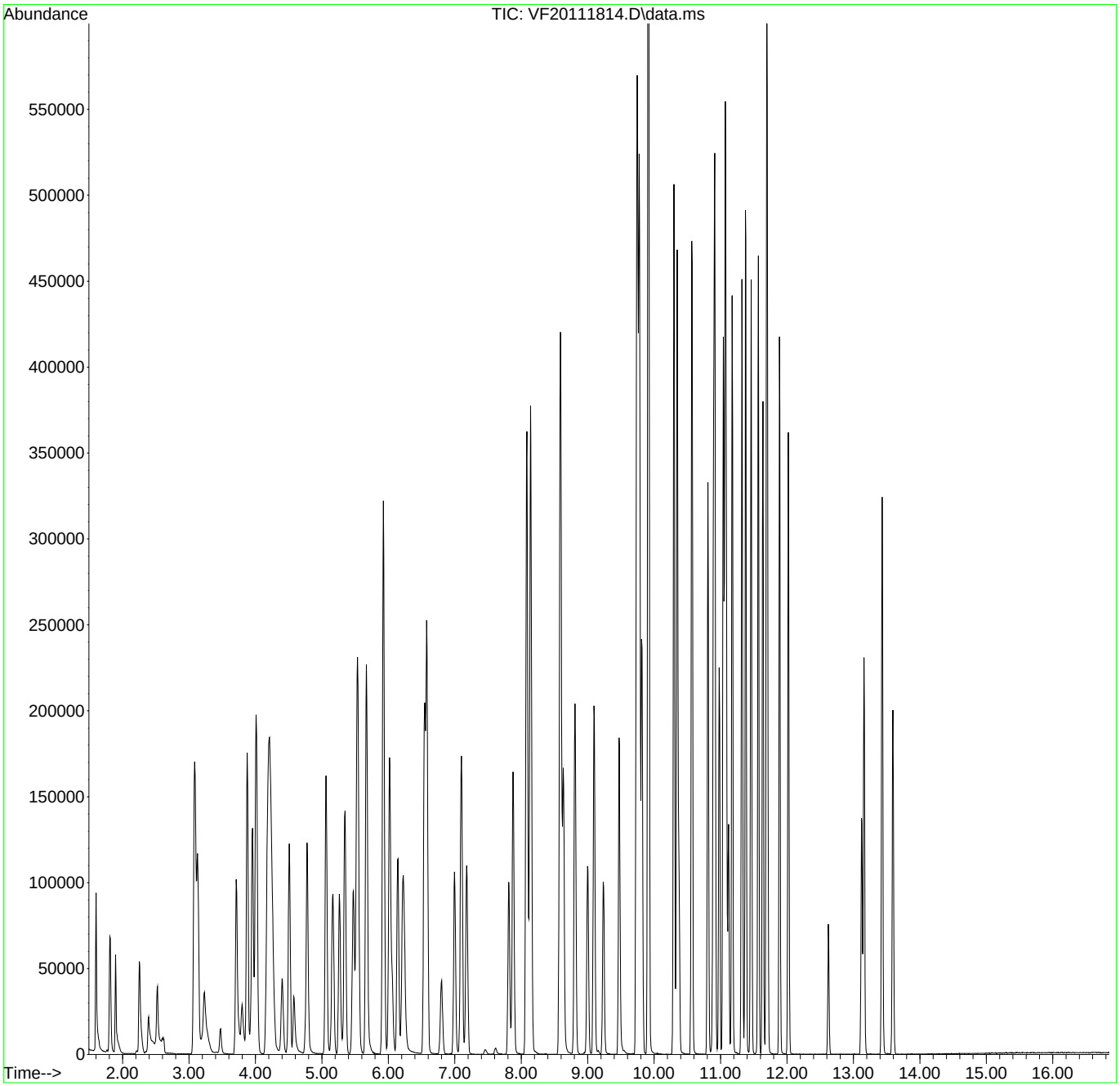
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 4-Chlorotoluene	11.175	91	214235	49.30	ug/L	97
73) tert-Butylbenzene	11.321	91	122715	47.43	ug/L	90
74) 1,2,4-Trimethylbenzene	11.376	105	233261	50.00	ug/L	98
75) sec-Butylbenzene	11.461	105	266467	48.24	ug/L	97
76) 4-Isopropyltoluene	11.570	119	221864	50.20	ug/L	97
77) 1,3-Dichlorobenzene	11.637	146	130673	50.43	ug/L	98
78) 1,4-Dichlorobenzene	11.704	146	131614	45.55	ug/L	97
79) n-Butylbenzene	11.886	91	188741	48.10	ug/L	96
80) 1,2-Dichlorobenzene	12.020	146	119989	49.36	ug/L	97
81) 1,2-Dibromo-3-Chloropr...	12.628	157	17952	49.46	ug/L	91
82) Hexachlorobutadiene	13.127	223	16285	47.82	ug/L	98
83) 1,2,4-Trichlorobenzene	13.157	180	65421	51.22	ug/L	98
84) Naphthalene	13.431	128	228943	46.77	ug/L	100
85) 1,2,3-Trichlorobenzene	13.595	180	60794	49.55	ug/L	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111814.D
Acq On : 18 Nov 2020 11:04 pm
Operator : TNL
Sample : 0k18062-CAL9
Misc : 1X 5mL 50ppb DI+MeOH
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 19 13:37:54 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:22:36 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111815.D
Acq On : 18 Nov 2020 11:31 pm
Operator : TNL 11/20/20 TNL
Sample : 0k18062-IBL4
Misc : 1X 5mL DI+MeOH
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 19 17:09:46 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.024	99	70785	50.00	ug/L		0.00
43) Chlorobenzene-d5 (I)	9.740	117	191822	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.692	152	83780	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.538	111	59274	48.30	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.584	114	217568	49.80	ug/L		0.00
45) Toluene-d8 (S)	8.086	98	277962	50.47	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.810	174	74119	50.85	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.609	85	111	0.10	ug/L	#	50
3) Chloromethane	1.816	50	218	0.15	ug/L	#	48
5) Bromomethane	2.266	96	303	0.35	ug/L		86
10) Carbon Disulfide	3.105	76	697	0.31	ug/L		77
11) Freon 113	3.136	101	168	0.15	ug/L	#	8
12) Iodomethane	3.239	142	196	4.52	ug/L	#	47
13) Methylene Chloride	3.720	84	1056	0.76	ug/L		93
14) Acetone	3.811	43	239	0.55	ug/L	#	42
16) n-Hexane	3.969	86	1379	5.20	ug/L	#	79
38) Trichloroethene (TCE)	6.547	130	120	0.08	ug/L	#	11
46) Toluene	8.147	91	973	0.14	ug/L		77
47) Tetrachloroethene (PCE)	8.603	166	371	0.27	ug/L	#	73
55) Chlorobenzene	9.752	112	806	0.19	ug/L	#	33
56) Ethylbenzene	9.789	91	1307	0.20	ug/L		93
58) m,p-Xylenes (2)	9.923	91	2016	0.43	ug/L		96
59) o-Xylene	10.306	91	802	0.18	ug/L		70
60) Styrene	10.360	104	407	0.12	ug/L		74
62) Isopropylbenzene	10.573	105	1553	0.29	ug/L		89
65) Bromobenzene	10.902	156	276	0.20	ug/L		91
66) n-Propylbenzene	10.920	91	2500	0.42	ug/L		94
68) 2-Chlorotoluene	11.048	126	353	0.29	ug/L	#	81
69) 1,3,5-Trimethylbenzene	11.072	105	1513	0.40	ug/L		99
72) 4-Chlorotoluene	11.181	91	1283	0.36	ug/L		98
73) tert-Butylbenzene	11.321	91	1194	0.56	ug/L		90
74) 1,2,4-Trimethylbenzene	11.382	105	1575	0.40	ug/L		96
75) sec-Butylbenzene	11.461	105	3174	0.70	ug/L		97

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111815.D
Acq On : 18 Nov 2020 11:31 pm
Operator : TNL
Sample : 0k18062-IBL4
Misc : 1X 5mL DI+MeOH
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 19 17:09:46 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration

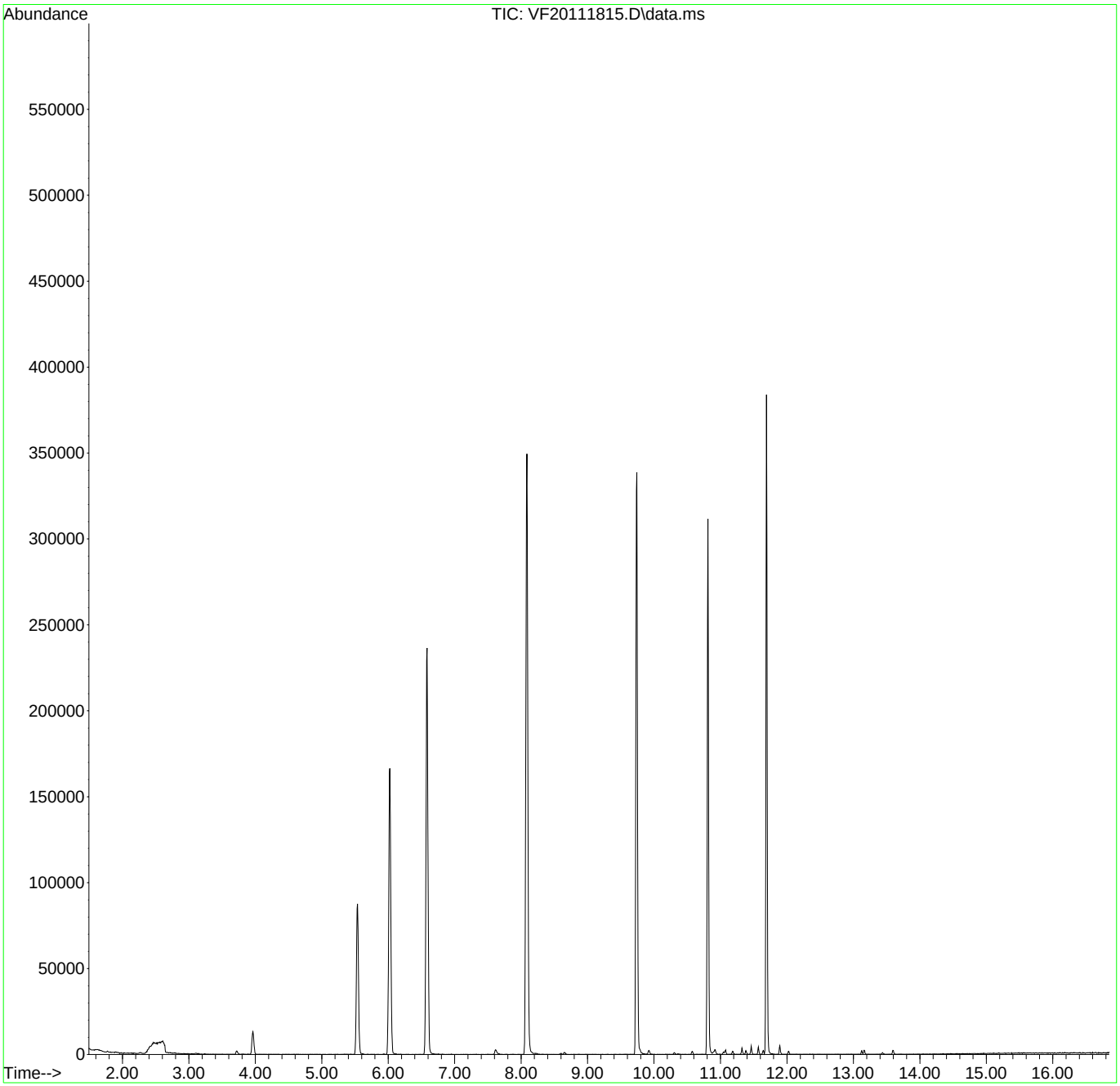
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
76) 4-Isopropyltoluene	11.571	119	2491	0.66	ug/L		92
77) 1,3-Dichlorobenzene	11.650	146	1230	0.55	ug/L		79
78) 1,4-Dichlorobenzene	11.704	146	1328	0.53	ug/L	#	76
79) n-Butylbenzene	11.893	91	2855	0.91	ug/L		93
80) 1,2-Dichlorobenzene	12.027	146	822	0.39	ug/L		93
82) Hexachlorobutadiene	13.121	223	416	1.43	ug/L		84
83) 1,2,4-Trichlorobenzene	13.164	180	1040	0.93	ug/L		83
84) Naphthalene	13.438	128	1317	0.56	ug/L		78
85) 1,2,3-Trichlorobenzene	13.596	180	993	0.95	ug/L		93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111815.D
Acq On : 18 Nov 2020 11:31 pm
Operator : TNL
Sample : 0k18062-IBL4
Misc : 1X 5mL DI+MeOH
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 19 17:09:46 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111816.D
Acq On : 18 Nov 2020 11:58 pm
Operator : TNL
Sample : 0k18062-CALA
Misc : 1X 5mL 100ppb DI+MeOH
ALS Vial : 16 Sample Multiplier: 1

11/20/20 TNL

Quant Time: Nov 19 13:41:52 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:22:36 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.024	99	73674	50.00	ug/L		0.00
43) Chlorobenzene-d5 (I)	9.739	117	207591	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.692	152	95925	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.531	111	67137	54.54	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.583	114	225226	52.00	ug/L		0.00
45) Toluene-d8 (S)	8.085	98	288736	46.83	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.810	174	82408	50.42	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.609	85	121868	77.92	ug/L		100
3) Chloromethane	1.815	50	140151	66.76	ug/L		99
4) Vinyl Chloride	1.901	62	98440	53.62	ug/L		97
5) Bromomethane	2.259	96	69119	57.83	ug/L		94
6) Chloroethane	2.387	64	34284	65.99	ug/L		95
7) Trichlorofluoromethane	2.515	101	54173	49.65	ug/L		98
8) Ethanol	3.196	45	86513	Below Cal			92
9) 1,1-Dichloroethene	3.087	61	187499	80.88	ug/L		87
10) Carbon Disulfide	3.099	76	299568	108.12	ug/L		99
11) Freon 113	3.135	101	121211	99.73	ug/L		86
12) Iodomethane	3.239	142	95947	111.26	ug/L		96
13) Methylene Chloride	3.719	84	133106	86.35	ug/L		93
14) Acetone	3.798	43	76726	117.83	ug/L		96
15) t-1,2-Dichloroethene	3.883	61	207514	94.38	ug/L		95
16) n-Hexane	3.962	86	28425	105.25	ug/L		99
17) Methyl-tert-butyl-ether	4.011	73	465798	100.49	ug/L		99
18) tert-Butanol (TBA)	4.181	59	1049201	5776.13	ug/L	#	92
19) Diisopropyl ether (DIPE)	4.406	45	89840	16.50	ug/L		95
20) 1,1-Dichloroethane	4.510	63	271036	92.82	ug/L		97
21) Acrylonitrile	4.576	53	58141	76.42	ug/L		100
22) Ethyl-tert-butyl ether...	4.771	59	88184	20.00	ug/L		96
23) c-1,2-Dichloroethene	5.063	61	208565	94.28	ug/L		98
24) 2,2-Dichloropropane	5.166	77	145096	92.48	ug/L		93
25) Bromochloromethane	5.264	49	100769	68.59	ug/L		99
26) Chloroform	5.349	83	266719	106.81	ug/L		98
27) Carbon Tetrachloride	5.476	117	167408	106.40	ug/L		98

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111816.D
Acq On : 18 Nov 2020 11:58 pm
Operator : TNL
Sample : 0k18062-CALA
Misc : 1X 5mL 100ppb DI+MeOH
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 19 13:41:52 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:22:36 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
28) Tetrahydrofuran	5.513	42	51500	64.61	ug/L		92
29) 1,1,1-Trichloroethane	5.543	97	222275	112.09	ug/L		99
31) 1,1-Dichloropropene	5.677	75	210684	102.37	ug/L		100
32) 2-Butanone (MEK)	5.665	43	142316	128.10	ug/L		88
33) Benzene	5.926	78	675364	100.58	ug/L		99
34) tert-Amyl methyl ether...	6.060	73	83767	20.34	ug/L		99
35) 1,2-Dichloroethane (EDC)	6.145	62	214732	95.59	ug/L		99
36) iso-Butyl Alcohol	6.212	43	228123	2623.45	ug/L		91
38) Trichloroethene (TCE)	6.547	130	166872	111.89	ug/L		98
39) tert-Amyl ethyl ether ...	6.802	59	60750	20.14	ug/L		94
40) Dibromomethane	6.997	93	98019	108.47	ug/L		88
41) 1,2-Dichloropropane	7.100	63	167903	94.94	ug/L		97
42) Bromodichloromethane	7.179	83	191990	104.80	ug/L		99
44) c-1,3-Dichloropropene	7.879	75	246031	92.61	ug/L		95
46) Toluene	8.140	91	702637	89.19	ug/L		99
47) Tetrachloroethene (PCE)	8.590	166	152088	99.00	ug/L		94
48) 4-Methyl-2-Pentanone (...	8.590	43	366059	144.81	ug/L		95
49) t-1,3-Dichloropropene	8.633	75	226179	87.81	ug/L		96
50) 1,1,2-Trichloroethane	8.809	97	153715	96.87	ug/L		96
51) Dibromochloromethane	9.004	129	145478	103.53	ug/L		95
52) 1,3-Dichloropropane	9.101	76	280859	94.84	ug/L		94
53) 1,2-Dibromoethane (EDB)	9.235	107	160072	105.76	ug/L		99
54) 2-Hexanone	9.472	43	254094	138.00	ug/L		94
55) Chlorobenzene	9.752	112	445149	99.00	ug/L		98
56) Ethylbenzene	9.776	91	733179	97.56	ug/L		97
57) 1,1,1,2-Tetrachloroethane	9.819	131	145309	98.25	ug/L		97
58) m,p-Xylenes (2)	9.916	91	1088905	202.23	ug/L		97
59) o-Xylene	10.299	91	563131	103.81	ug/L		97
60) Styrene	10.348	104	451210	94.62	ug/L		99
61) Bromoform	10.372	173	100985	105.38	ug/L		98
62) Isopropylbenzene	10.567	105	650944	104.63	ug/L		98
65) Bromobenzene	10.895	156	166055	103.57	ug/L		90
66) n-Propylbenzene	10.913	91	727397	97.45	ug/L		96
67) 1,1,2,2-Tetrachloroethane	10.980	83	194784	100.29	ug/L		97
68) 2-Chlorotoluene	11.041	126	149732	103.61	ug/L	#	80
69) 1,3,5-Trimethylbenzene	11.071	105	497249	104.19	ug/L		97
70) 1,2,3-Trichloropropane	11.090	110	65119	90.20	ug/L		84
71) t-1,4-Dichloro-2-butene	11.120	88	23913	85.56	ug/L	#	79

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111816.D
Acq On : 18 Nov 2020 11:58 pm
Operator : TNL
Sample : 0k18062-CALA
Misc : 1X 5mL 100ppb DI+MeOH
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 19 13:41:52 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:22:36 2020
Response via : Initial Calibration

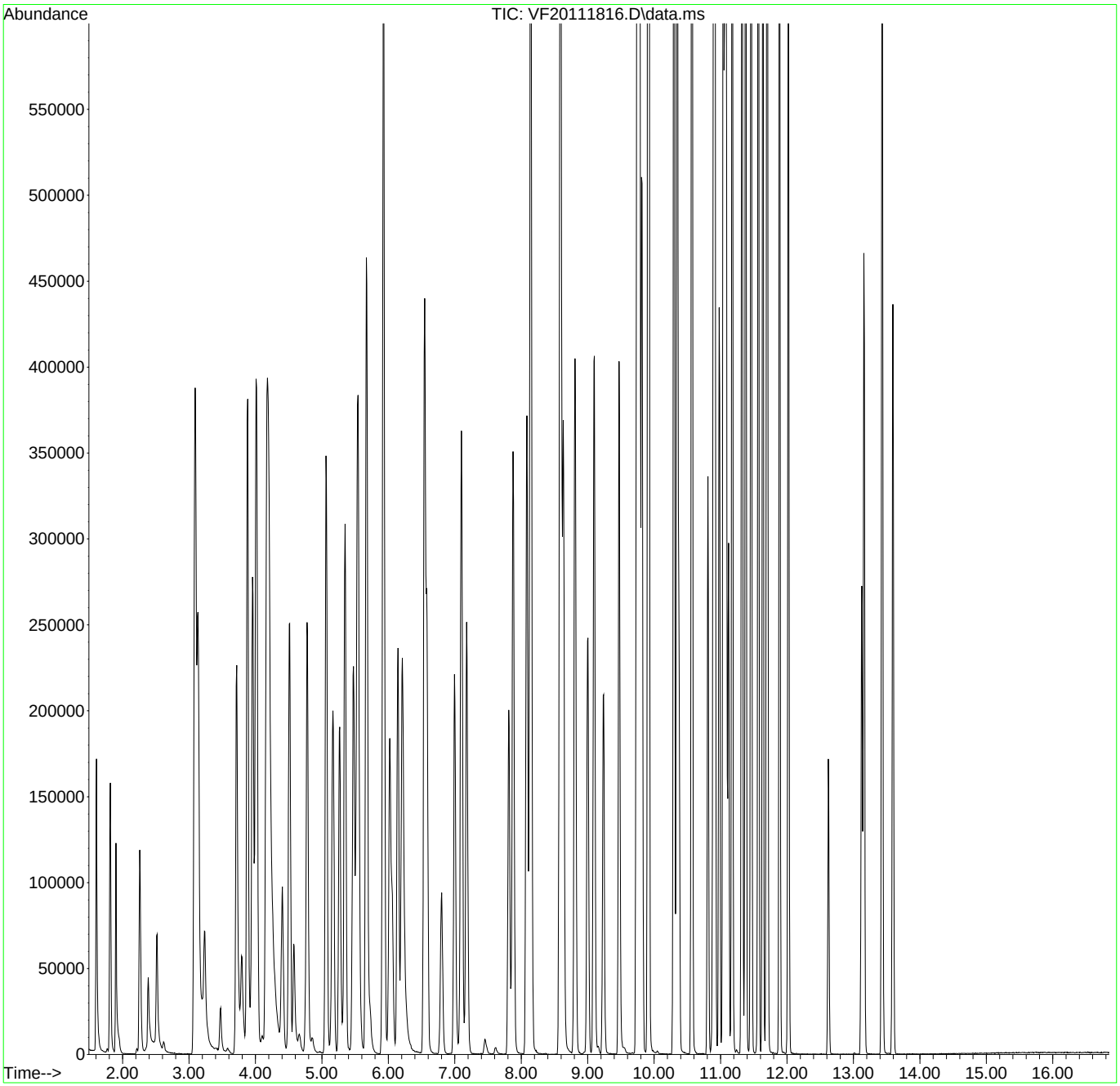
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 4-Chlorotoluene	11.175	91	453696	101.56	ug/L	98
73) tert-Butylbenzene	11.321	91	261615	98.37	ug/L	92
74) 1,2,4-Trimethylbenzene	11.375	105	501319	104.53	ug/L	98
75) sec-Butylbenzene	11.461	105	572917	100.90	ug/L	97
76) 4-Isopropyltoluene	11.570	119	483810	106.49	ug/L	98
77) 1,3-Dichlorobenzene	11.637	146	273981	102.87	ug/L	97
78) 1,4-Dichlorobenzene	11.704	146	276048	92.95	ug/L	97
79) n-Butylbenzene	11.886	91	396720	98.36	ug/L	96
80) 1,2-Dichlorobenzene	12.020	146	249575	99.87	ug/L	99
81) 1,2-Dibromo-3-Chloropr...	12.628	157	42754	104.91	ug/L	89
82) Hexachlorobutadiene	13.127	223	32697	93.41	ug/L	98
83) 1,2,4-Trichlorobenzene	13.157	180	135613	103.28	ug/L	97
84) Naphthalene	13.431	128	510374	97.65	ug/L	99
85) 1,2,3-Trichlorobenzene	13.595	180	130085	103.14	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111816.D
Acq On : 18 Nov 2020 11:58 pm
Operator : TNL
Sample : 0k18062-CALA
Misc : 1X 5mL 100ppb DI+MeOH
ALS Vial : 16 Sample Multiplier: 1

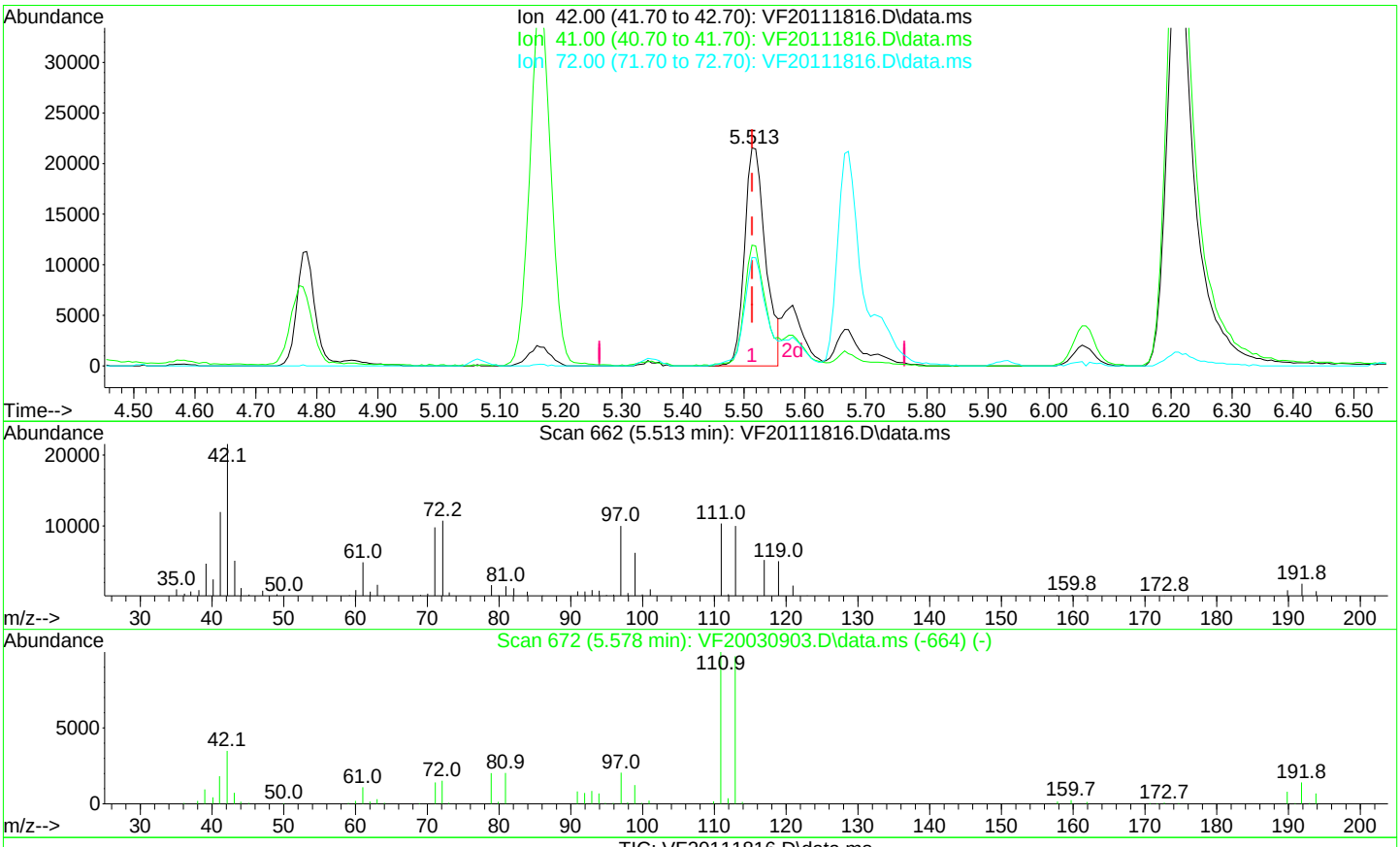
Quant Time: Nov 19 13:41:52 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:22:36 2020
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111816.D
Acq On : 18 Nov 2020 11:58 pm
Operator : TNL
Sample : 0k18062-CALA
Misc : 1X 5mL 100ppb DI+MeOH
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 19 13:41:52 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:22:36 2020
Response via : Initial Calibration



TIC: VF20111816.D\data.ms

(28) Tetrahydrofuran

5.513min (-0.000) 64.61 ug/L

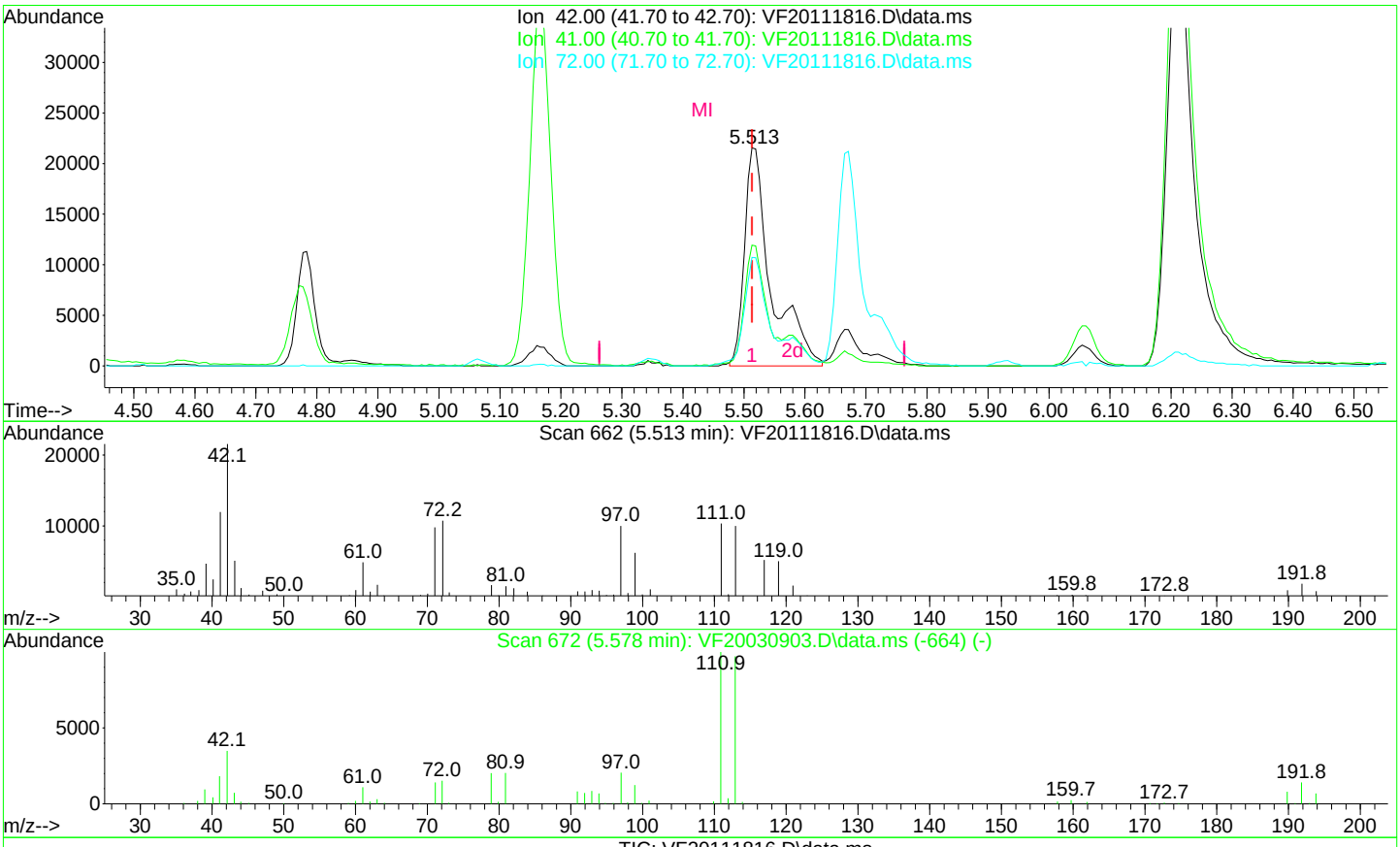
response 51500

Ion	Exp%	Act%
42.00	100.00	100.00
41.00	59.60	55.38
72.00	42.90	49.72
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111816.D
Acq On : 18 Nov 2020 11:58 pm
Operator : TNL
Sample : 0k18062-CALA
Misc : 1X 5mL 100ppb DI+MeOH
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 19 13:41:52 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:22:36 2020
Response via : Initial Calibration



TIC: VF20111816.D\data.ms

(28) Tetrahydrofuran

5.513min (-0.000) 82.25 ug/L m

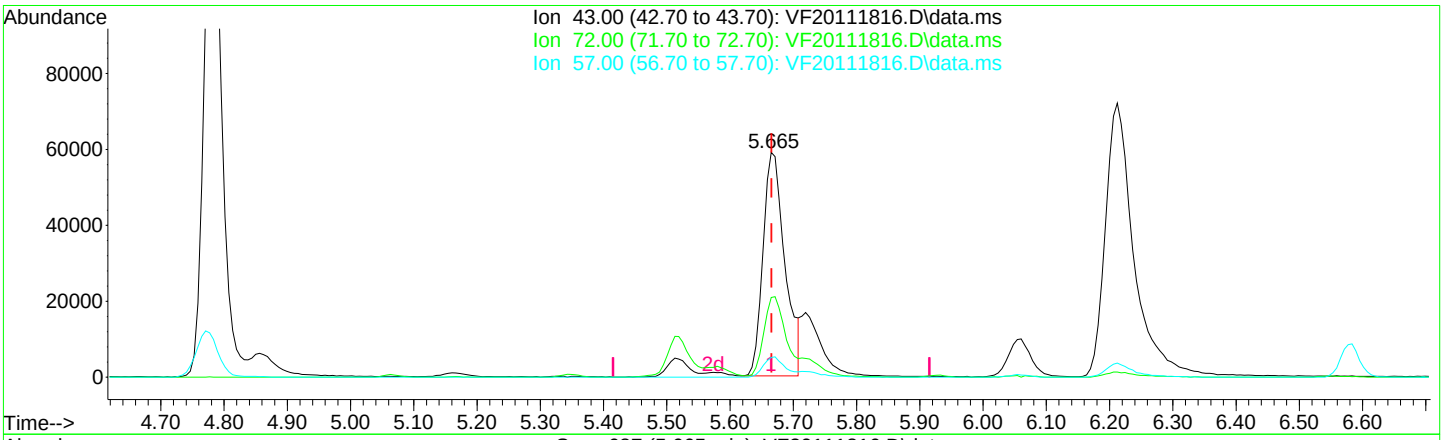
response 65563

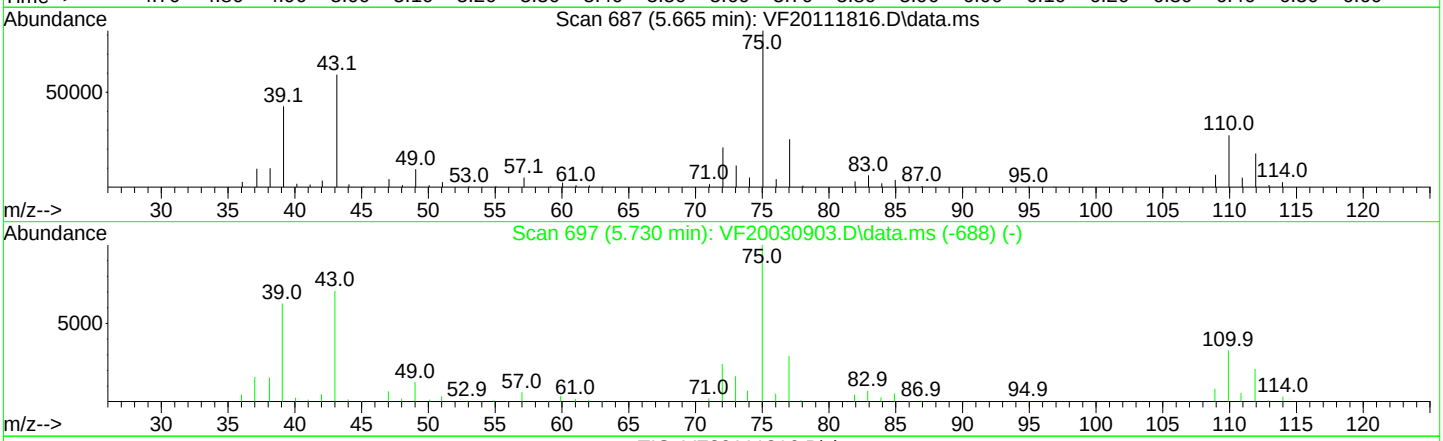
Ion	Exp%	Act%
42.00	100.00	100.00
41.00	59.60	55.38
72.00	42.90	49.72
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111816.D
Acq On : 18 Nov 2020 11:58 pm
Operator : TNL
Sample : 0k18062-CALA
Misc : 1X 5mL 100ppb DI+MeOH
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 19 13:41:52 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:22:36 2020
Response via : Initial Calibration





TIC: VF20111816.D\data.ms

(32) 2-Butanone (MEK)

5.665min (-0.000) 128.10 ug/L

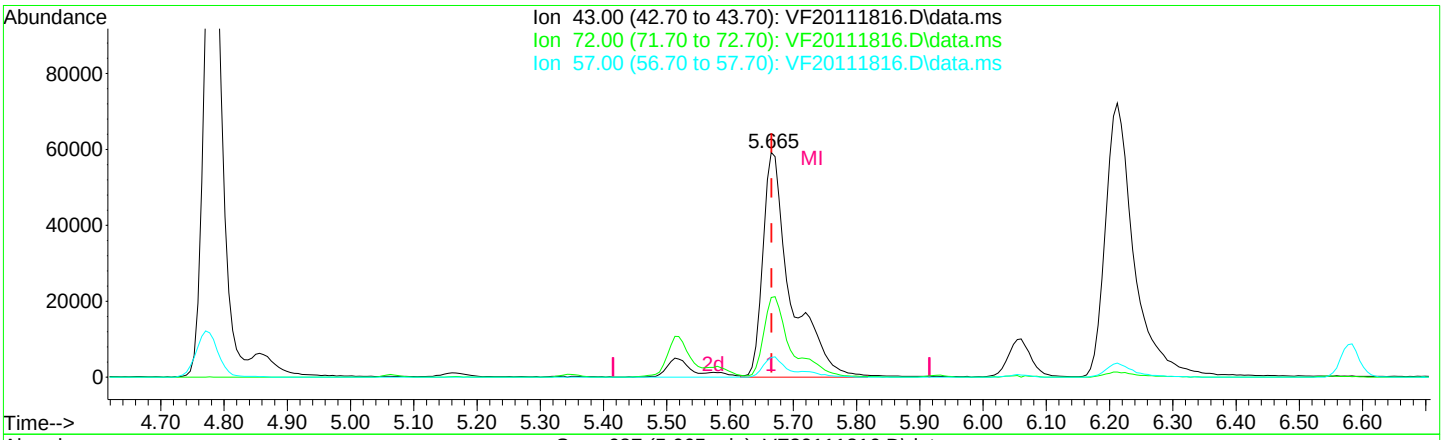
response 142316

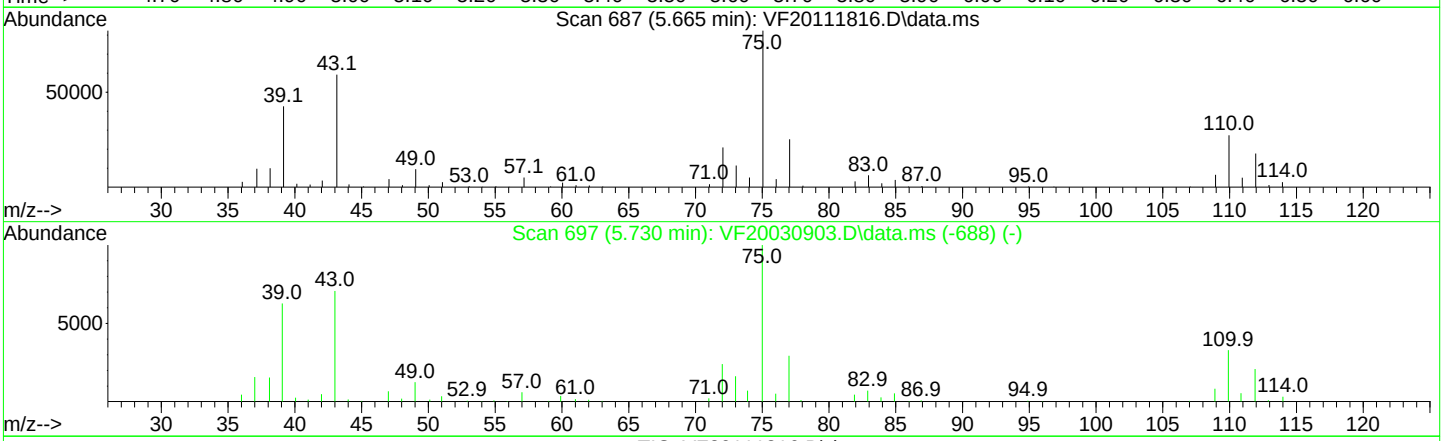
Ion	Exp%	Act%
43.00	100.00	100.00
72.00	27.60	35.44
57.00	8.60	8.79
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111816.D
Acq On : 18 Nov 2020 11:58 pm
Operator : TNL
Sample : 0k18062-CALA
Misc : 1X 5mL 100ppb DI+MeOH
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 19 13:41:52 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:22:36 2020
Response via : Initial Calibration





TIC: VF20111816.D\data.ms

(32) 2-Butanone (MEK)

5.665min (-0.000) 164.67 ug/L m

response 182941

Ion	Exp%	Act%
43.00	100.00	100.00
72.00	27.60	35.44
57.00	8.60	8.79
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111816.D
Acq On : 18 Nov 2020 11:58 pm
Operator : TNL
Sample : 0k18062-CALA
Misc : 1X 5mL 100ppb DI+MeOH
ALS Vial : 16 Sample Multiplier: 1

11/20/20 TNL

Quant Time: Nov 19 13:43:10 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:22:36 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.024	99	73674	50.00	ug/L		0.00
43) Chlorobenzene-d5 (I)	9.739	117	207591	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.692	152	95925	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.531	111	67137	54.54	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.583	114	225226	52.00	ug/L		0.00
45) Toluene-d8 (S)	8.085	98	288736	46.83	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.810	174	82408	50.42	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.609	85	121868	77.92	ug/L		100
3) Chloromethane	1.815	50	140151	66.76	ug/L		99
4) Vinyl Chloride	1.901	62	98440	53.62	ug/L		97
5) Bromomethane	2.259	96	69119	57.83	ug/L		94
6) Chloroethane	2.387	64	34284	65.99	ug/L		95
7) Trichlorofluoromethane	2.515	101	54173	49.65	ug/L		98
8) Ethanol	3.196	45	86513	Below Cal			92
9) 1,1-Dichloroethene	3.087	61	187499	80.88	ug/L		87
10) Carbon Disulfide	3.099	76	299568	108.12	ug/L		99
11) Freon 113	3.135	101	121211	99.73	ug/L		86
12) Iodomethane	3.239	142	95947	111.26	ug/L		96
13) Methylene Chloride	3.719	84	133106	86.35	ug/L		93
14) Acetone	3.798	43	76726	117.83	ug/L		96
15) t-1,2-Dichloroethene	3.883	61	207514	94.38	ug/L		95
16) n-Hexane	3.962	86	28425	105.25	ug/L		99
17) Methyl-tert-butyl-ether	4.011	73	465798	100.49	ug/L		99
18) tert-Butanol (TBA)	4.181	59	1049201	5776.13	ug/L	#	92
19) Diisopropyl ether (DIPE)	4.406	45	89840	16.50	ug/L		95
20) 1,1-Dichloroethane	4.510	63	271036	92.82	ug/L		97
21) Acrylonitrile	4.576	53	58141	76.42	ug/L		100
22) Ethyl-tert-butyl ether...	4.771	59	88184	20.00	ug/L		96
23) c-1,2-Dichloroethene	5.063	61	208565	94.28	ug/L		98
24) 2,2-Dichloropropane	5.166	77	145096	92.48	ug/L		93
25) Bromochloromethane	5.264	49	100769	68.59	ug/L		99
26) Chloroform	5.349	83	266719	106.81	ug/L		98
27) Carbon Tetrachloride	5.476	117	167408	106.40	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111816.D
Acq On : 18 Nov 2020 11:58 pm
Operator : TNL
Sample : 0k18062-CALA
Misc : 1X 5mL 100ppb DI+MeOH
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 19 13:43:10 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:22:36 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
28) Tetrahydrofuran	5.513	42	65563m	82.25	ug/L		
29) 1,1,1-Trichloroethane	5.543	97	222275	112.09	ug/L		99
31) 1,1-Dichloropropene	5.677	75	210684	102.37	ug/L		100
32) 2-Butanone (MEK)	5.665	43	182941m	164.67	ug/L		
33) Benzene	5.926	78	675364	100.58	ug/L		99
34) tert-Amyl methyl ether...	6.060	73	83767	20.34	ug/L		99
35) 1,2-Dichloroethane (EDC)	6.145	62	214732	95.59	ug/L		99
36) iso-Butyl Alcohol	6.212	43	228123	2623.45	ug/L		91
38) Trichloroethene (TCE)	6.547	130	166872	111.89	ug/L		98
39) tert-Amyl ethyl ether ...	6.802	59	60750	20.14	ug/L		94
40) Dibromomethane	6.997	93	98019	108.47	ug/L		88
41) 1,2-Dichloropropane	7.100	63	167903	94.94	ug/L		97
42) Bromodichloromethane	7.179	83	191990	104.80	ug/L		99
44) c-1,3-Dichloropropene	7.879	75	246031	92.61	ug/L		95
46) Toluene	8.140	91	702637	89.19	ug/L		99
47) Tetrachloroethene (PCE)	8.590	166	152088	99.00	ug/L		94
48) 4-Methyl-2-Pentanone (...	8.590	43	366059	144.81	ug/L		95
49) t-1,3-Dichloropropene	8.633	75	226179	87.81	ug/L		96
50) 1,1,2-Trichloroethane	8.809	97	153715	96.87	ug/L		96
51) Dibromochloromethane	9.004	129	145478	103.53	ug/L		95
52) 1,3-Dichloropropane	9.101	76	280859	94.84	ug/L		94
53) 1,2-Dibromoethane (EDB)	9.235	107	160072	105.76	ug/L		99
54) 2-Hexanone	9.472	43	254094	138.00	ug/L		94
55) Chlorobenzene	9.752	112	445149	99.00	ug/L		98
56) Ethylbenzene	9.776	91	733179	97.56	ug/L		97
57) 1,1,1,2-Tetrachloroethane	9.819	131	145309	98.25	ug/L		97
58) m,p-Xylenes (2)	9.916	91	1088905	202.23	ug/L		97
59) o-Xylene	10.299	91	563131	103.81	ug/L		97
60) Styrene	10.348	104	451210	94.62	ug/L		99
61) Bromoform	10.372	173	100985	105.38	ug/L		98
62) Isopropylbenzene	10.567	105	650944	104.63	ug/L		98
65) Bromobenzene	10.895	156	166055	103.57	ug/L		90
66) n-Propylbenzene	10.913	91	727397	97.45	ug/L		96
67) 1,1,2,2-Tetrachloroethane	10.980	83	194784	100.29	ug/L		97
68) 2-Chlorotoluene	11.041	126	149732	103.61	ug/L	#	80
69) 1,3,5-Trimethylbenzene	11.071	105	497249	104.19	ug/L		97
70) 1,2,3-Trichloropropane	11.090	110	65119	90.20	ug/L		84
71) t-1,4-Dichloro-2-butene	11.120	88	23913	85.56	ug/L	#	79

Quantitation Report (QT Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111816.D
Acq On : 18 Nov 2020 11:58 pm
Operator : TNL
Sample : 0k18062-CALA
Misc : 1X 5mL 100ppb DI+MeOH
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 19 13:43:10 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:22:36 2020
Response via : Initial Calibration

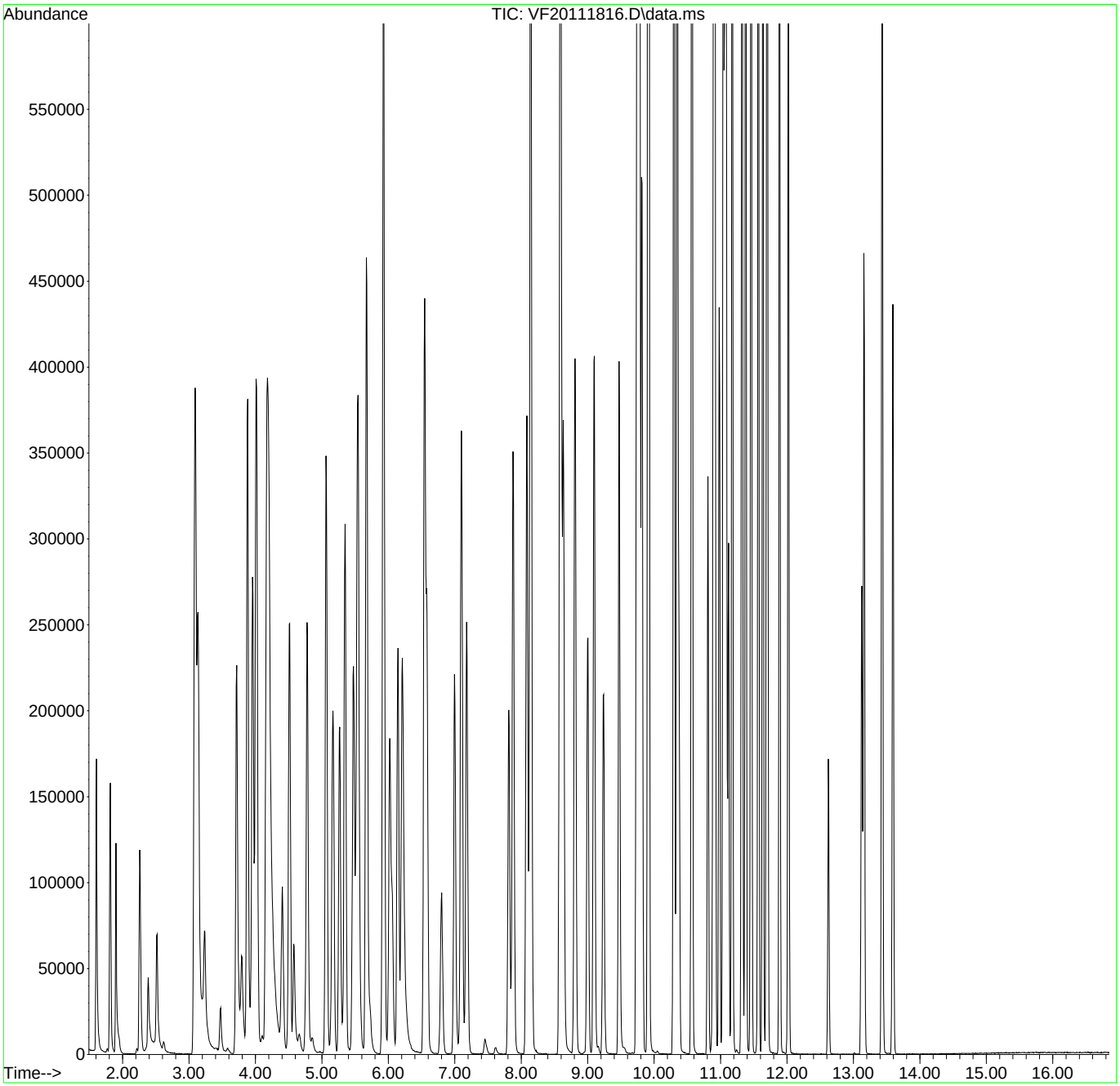
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 4-Chlorotoluene	11.175	91	453696	101.56	ug/L	98
73) tert-Butylbenzene	11.321	91	261615	98.37	ug/L	92
74) 1,2,4-Trimethylbenzene	11.375	105	501319	104.53	ug/L	98
75) sec-Butylbenzene	11.461	105	572917	100.90	ug/L	97
76) 4-Isopropyltoluene	11.570	119	483810	106.49	ug/L	98
77) 1,3-Dichlorobenzene	11.637	146	273981	102.87	ug/L	97
78) 1,4-Dichlorobenzene	11.704	146	276048	92.95	ug/L	97
79) n-Butylbenzene	11.886	91	396720	98.36	ug/L	96
80) 1,2-Dichlorobenzene	12.020	146	249575	99.87	ug/L	99
81) 1,2-Dibromo-3-Chloropr...	12.628	157	42754	104.91	ug/L	89
82) Hexachlorobutadiene	13.127	223	32697	93.41	ug/L	98
83) 1,2,4-Trichlorobenzene	13.157	180	135613	103.28	ug/L	97
84) Naphthalene	13.431	128	510374	97.65	ug/L	99
85) 1,2,3-Trichlorobenzene	13.595	180	130085	103.14	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111816.D
Acq On : 18 Nov 2020 11:58 pm
Operator : TNL
Sample : 0k18062-CALA
Misc : 1X 5mL 100ppb DI+MeOH
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 19 13:43:10 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:22:36 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111817.D
Acq On : 19 Nov 2020 12:25 am
Operator : TNL
Sample : 0k18062-IBL5
Misc : 1X 5mL DI+MeOH
ALS Vial : 17 Sample Multiplier: 1

11/20/20 TNL

Quant Time: Nov 19 17:10:23 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.016	99	73113	50.00	ug/L		0.00
43) Chlorobenzene-d5 (I)	9.737	117	199437	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.696	152	88554	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.535	111	61941	48.86	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.581	114	228216	50.58	ug/L		0.00
45) Toluene-d8 (S)	8.083	98	288441	50.37	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.814	174	79189	51.40	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.601	85	354	0.31	ug/L		81
3) Chloromethane	1.807	50	288	0.19	ug/L	#	48
5) Bromomethane	2.257	96	414	0.46	ug/L		90
9) 1,1-Dichloroethene	3.078	61	231	0.13	ug/L	#	66
10) Carbon Disulfide	3.097	76	1513	0.66	ug/L		77
11) Freon 113	3.139	101	451	0.39	ug/L	#	58
12) Iodomethane	3.243	142	292	4.63	ug/L	#	47
13) Methylene Chloride	3.717	84	1681	1.17	ug/L		88
14) Acetone	3.814	43	627	1.39	ug/L	#	42
15) t-1,2-Dichloroethene	3.881	61	438	0.22	ug/L		97
18) tert-Butanol (TBA)	4.234	59	174	0.95	ug/L	#	46
27) Carbon Tetrachloride	5.474	117	127	0.09	ug/L		82
31) 1,1-Dichloropropene	5.675	75	517	0.26	ug/L	#	41
33) Benzene	5.937	78	754	0.11	ug/L		72
38) Trichloroethene (TCE)	6.557	130	450	0.29	ug/L	#	68
46) Toluene	8.150	91	1606	0.22	ug/L		95
47) Tetrachloroethene (PCE)	8.600	166	747	0.53	ug/L		94
55) Chlorobenzene	9.756	112	1588	0.37	ug/L		92
56) Ethylbenzene	9.786	91	2729	0.41	ug/L		95
57) 1,1,1,2-Tetrachloroethane	9.823	131	150	0.37	ug/L	#	52
58) m,p-Xylenes (2)	9.920	91	4074	0.84	ug/L		94
59) o-Xylene	10.303	91	1730	0.37	ug/L		93
60) Styrene	10.358	104	1054	0.29	ug/L		89
62) Isopropylbenzene	10.571	105	3461	0.63	ug/L		97
65) Bromobenzene	10.899	156	710	0.48	ug/L		89
66) n-Propylbenzene	10.917	91	5568	0.88	ug/L		92

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111817.D
Acq On : 19 Nov 2020 12:25 am
Operator : TNL
Sample : 0k18062-IBL5
Misc : 1X 5mL DI+MeOH
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 19 17:10:23 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration

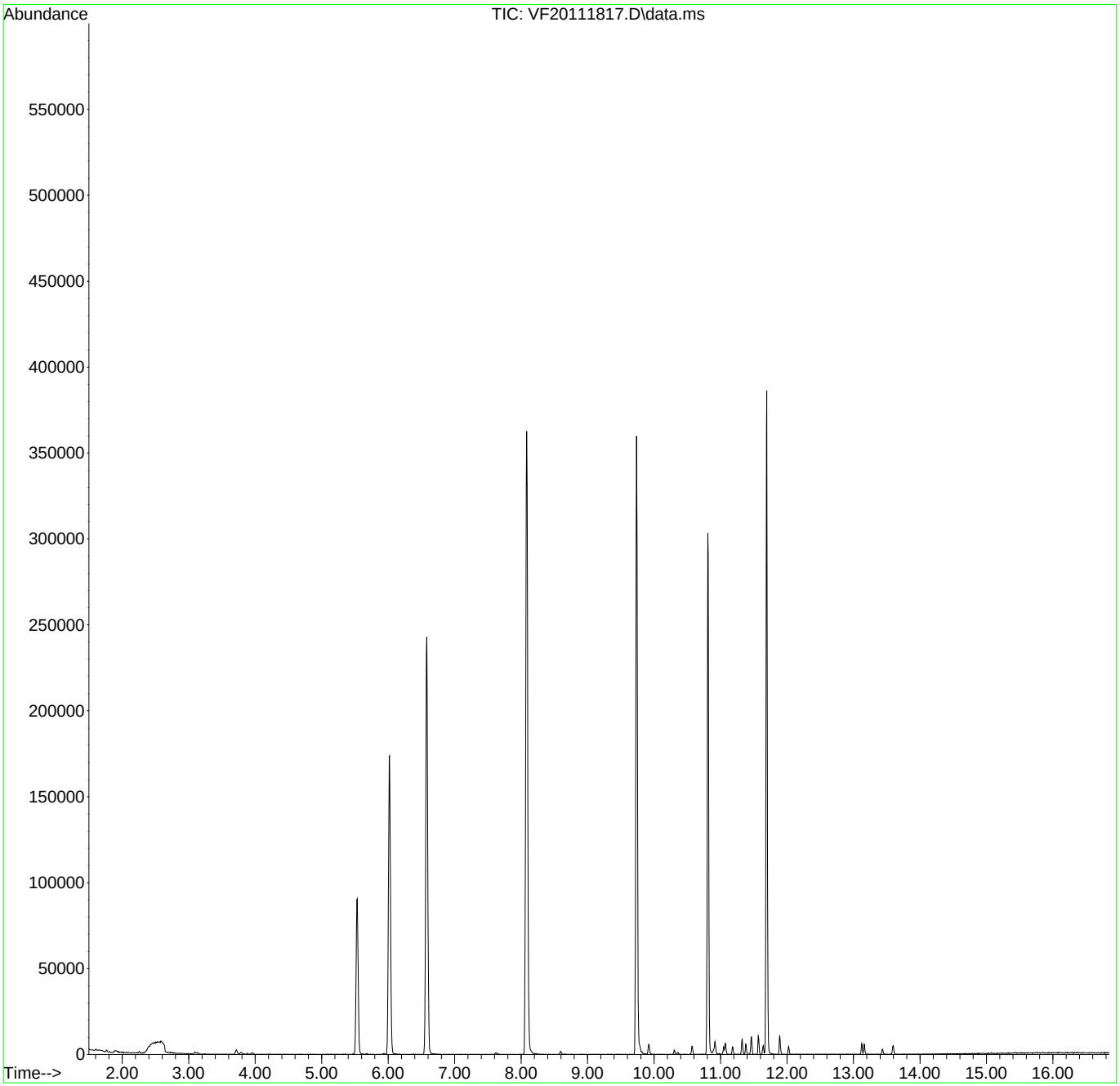
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
67) 1,1,2,2-Tetrachloroethane	10.984	83	353	0.20	ug/L		82
68) 2-Chlorotoluene	11.045	126	824	0.65	ug/L	#	83
69) 1,3,5-Trimethylbenzene	11.075	105	3413	0.84	ug/L		97
72) 4-Chlorotoluene	11.185	91	2631	0.69	ug/L		95
73) tert-Butylbenzene	11.325	91	2747	1.21	ug/L		95
74) 1,2,4-Trimethylbenzene	11.379	105	3456	0.83	ug/L		92
75) sec-Butylbenzene	11.465	105	6646	1.38	ug/L		96
76) 4-Isopropyltoluene	11.568	119	5741	1.45	ug/L		96
77) 1,3-Dichlorobenzene	11.641	146	2139	0.91	ug/L		92
78) 1,4-Dichlorobenzene	11.702	146	2538	0.96	ug/L		84
79) n-Butylbenzene	11.890	91	5838	1.76	ug/L		98
80) 1,2-Dichlorobenzene	12.024	146	2013	0.90	ug/L		94
82) Hexachlorobutadiene	13.125	223	713	2.32	ug/L		93
83) 1,2,4-Trichlorobenzene	13.161	180	2164	1.82	ug/L		98
84) Naphthalene	13.435	128	2894	0.94	ug/L		95
85) 1,2,3-Trichlorobenzene	13.593	180	2107	1.91	ug/L		89

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111817.D
Acq On : 19 Nov 2020 12:25 am
Operator : TNL
Sample : 0k18062-IBL5
Misc : 1X 5mL DI+MeOH
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 19 17:10:23 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111818.D
Acq On : 19 Nov 2020 12:52 am
Operator : TNL
Sample : 0k18062-CALB
Misc : 1X 5mL 200ppb DI+MeOH
ALS Vial : 18 Sample Multiplier: 1

11/20/20 TNL

Quant Time: Nov 19 13:45:18 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:22:36 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.018	99	74842	50.00	ug/L		0.00
43) Chlorobenzene-d5 (I)	9.740	117	210488	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.692	152	94597	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.531	111	67584	54.05	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.583	114	232298	52.79	ug/L		0.00
45) Toluene-d8 (S)	8.085	98	297673	47.62	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.810	174	82106	50.94	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.609	85	243838	153.48	ug/L		99
3) Chloromethane	1.816	50	282362	132.39	ug/L		99
4) Vinyl Chloride	1.901	62	198756	106.57	ug/L		97
5) Bromomethane	2.260	96	138111	113.76	ug/L		98
6) Chloroethane	2.399	64	75523	143.10	ug/L		97
7) Trichlorofluoromethane	2.533	101	113686	102.57	ug/L		96
8) Ethanol	3.099	45	1343	77.42	ug/L	#	1
9) 1,1-Dichloroethene	3.087	61	382447	162.41	ug/L		88
10) Carbon Disulfide	3.099	76	654291	232.46	ug/L		99
11) Freon 113	3.135	101	259159	209.89	ug/L		86
12) Iodomethane	3.239	142	212204	199.99	ug/L		97
13) Methylene Chloride	3.719	84	271492	173.39	ug/L		92
14) Acetone	3.804	43	183564	277.50	ug/L		94
15) t-1,2-Dichloroethene	3.883	61	436083	195.24	ug/L		93
16) n-Hexane	3.962	86	63421	231.18	ug/L	#	90
17) Methyl-tert-butyl-ether	4.011	73	1002181	212.83	ug/L		99
18) tert-Butanol (TBA)	0.000		0	N.D.			
19) Diisopropyl ether (DIPE)	0.000		0	N.D.			
20) 1,1-Dichloroethane	4.516	63	505398	170.39	ug/L		98
21) Acrylonitrile	4.583	53	140934	182.36	ug/L		99
22) Ethyl-tert-butyl ether...	4.680	59	1154	0.26	ug/L	#	38
23) c-1,2-Dichloroethene	5.063	61	416968	185.54	ug/L		98
24) 2,2-Dichloropropane	5.166	77	312875	196.31	ug/L		90
25) Bromochloromethane	5.264	49	204676	137.14	ug/L		96
26) Chloroform	5.349	83	550252	216.92	ug/L		98
27) Carbon Tetrachloride	5.477	117	371319	197.62	ug/L		97

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111818.D
Acq On : 19 Nov 2020 12:52 am
Operator : TNL
Sample : 0k18062-CALB
Misc : 1X 5mL 200ppb DI+MeOH
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 19 13:45:18 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:22:36 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
28) Tetrahydrofuran	5.519	42	126023	155.63	ug/L		90
29) 1,1,1-Trichloroethane	5.544	97	472026	234.33	ug/L		99
31) 1,1-Dichloropropene	5.671	75	442079	211.46	ug/L		99
32) 2-Butanone (MEK)	5.671	43	339543	300.86	ug/L		85
33) Benzene	5.927	78	1390229	203.80	ug/L		99
34) tert-Amyl methyl ether...	0.000		0	N.D.			
35) 1,2-Dichloroethane (EDC)	6.146	62	435089	190.66	ug/L		99
36) iso-Butyl Alcohol	6.231	43	464565	5259.20	ug/L		91
38) Trichloroethene (TCE)	6.547	130	354848	234.22	ug/L		99
39) tert-Amyl ethyl ether ...	0.000		0	N.D.			
40) Dibromomethane	6.997	93	206460	224.91	ug/L		89
41) 1,2-Dichloropropane	7.100	63	345310	192.20	ug/L		97
42) Bromodichloromethane	7.179	83	414440	191.27	ug/L		97
44) c-1,3-Dichloropropene	7.879	75	531463	183.88	ug/L		94
46) Toluene	8.140	91	1452821	181.89	ug/L		99
47) Tetrachloroethene (PCE)	8.590	166	325389	208.90	ug/L		94
48) 4-Methyl-2-Pentanone (...	8.590	43	682968	266.46	ug/L		93
49) t-1,3-Dichloropropene	8.633	75	487888	173.58	ug/L		97
50) 1,1,2-Trichloroethane	8.809	97	319965	198.86	ug/L		95
51) Dibromochloromethane	9.004	129	320426	198.35	ug/L		97
52) 1,3-Dichloropropane	9.101	76	576443	191.97	ug/L		92
53) 1,2-Dibromoethane (EDB)	9.235	107	336119	219.02	ug/L		100
54) 2-Hexanone	9.472	43	500391	264.36	ug/L		94
55) Chlorobenzene	9.752	112	916928	201.11	ug/L		99
56) Ethylbenzene	9.776	91	1516093	198.96	ug/L		98
57) 1,1,1,2-Tetrachloroethane	9.819	131	311205	190.76	ug/L		99
58) m,p-Xylenes (2)	9.916	91	2227333	407.97	ug/L		98
59) o-Xylene	10.299	91	1158422	210.61	ug/L		98
60) Styrene	10.348	104	935702	181.47	ug/L		99
61) Bromoform	10.372	173	213718	190.06	ug/L		98
62) Isopropylbenzene	10.567	105	1349789	213.97	ug/L		98
65) Bromobenzene	10.895	156	340501	215.35	ug/L		91
66) n-Propylbenzene	10.913	91	1482115	201.35	ug/L		98
67) 1,1,2,2-Tetrachloroethane	10.980	83	384698	200.86	ug/L		97
68) 2-Chlorotoluene	11.047	126	309114	216.91	ug/L		94
69) 1,3,5-Trimethylbenzene	11.071	105	1015537	215.77	ug/L		98
70) 1,2,3-Trichloropropane	11.090	110	126923	178.29	ug/L	#	83
71) t-1,4-Dichloro-2-butene	11.120	88	51831	171.63	ug/L	#	76

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111818.D
Acq On : 19 Nov 2020 12:52 am
Operator : TNL
Sample : 0k18062-CALB
Misc : 1X 5mL 200ppb DI+MeOH
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 19 13:45:18 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:22:36 2020
Response via : Initial Calibration

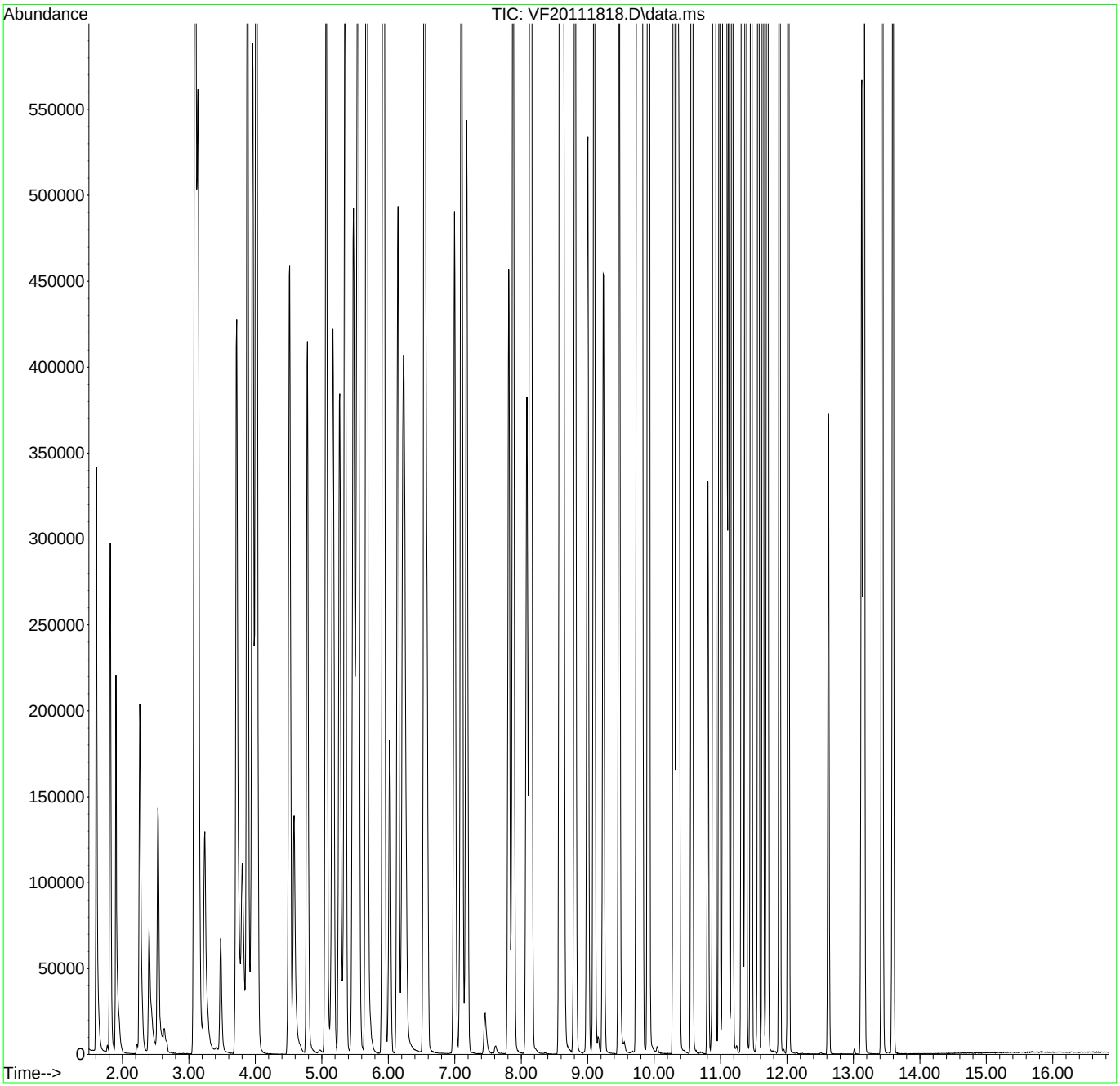
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 4-Chlorotoluene	11.175	91	909702	206.50	ug/L	98
73) tert-Butylbenzene	11.321	91	541633	206.52	ug/L	94
74) 1,2,4-Trimethylbenzene	11.382	105	1021644	216.02	ug/L	99
75) sec-Butylbenzene	11.461	105	1184770	211.58	ug/L	97
76) 4-Isopropyltoluene	11.570	119	1004664	224.24	ug/L	98
77) 1,3-Dichlorobenzene	11.637	146	549931	209.37	ug/L	98
78) 1,4-Dichlorobenzene	11.704	146	551839	188.42	ug/L	97
79) n-Butylbenzene	11.886	91	813005	204.39	ug/L	98
80) 1,2-Dichlorobenzene	12.020	146	507628	205.99	ug/L	98
81) 1,2-Dibromo-3-Chloropr...	12.622	157	96798	211.02	ug/L	87
82) Hexachlorobutadiene	13.127	223	68967	199.79	ug/L	98
83) 1,2,4-Trichlorobenzene	13.157	180	294309	227.29	ug/L	97
84) Naphthalene	13.431	128	1097032	198.84	ug/L	99
85) 1,2,3-Trichlorobenzene	13.595	180	280192	225.27	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111818.D
Acq On : 19 Nov 2020 12:52 am
Operator : TNL
Sample : 0k18062-CALB
Misc : 1X 5mL 200ppb DI+MeOH
ALS Vial : 18 Sample Multiplier: 1

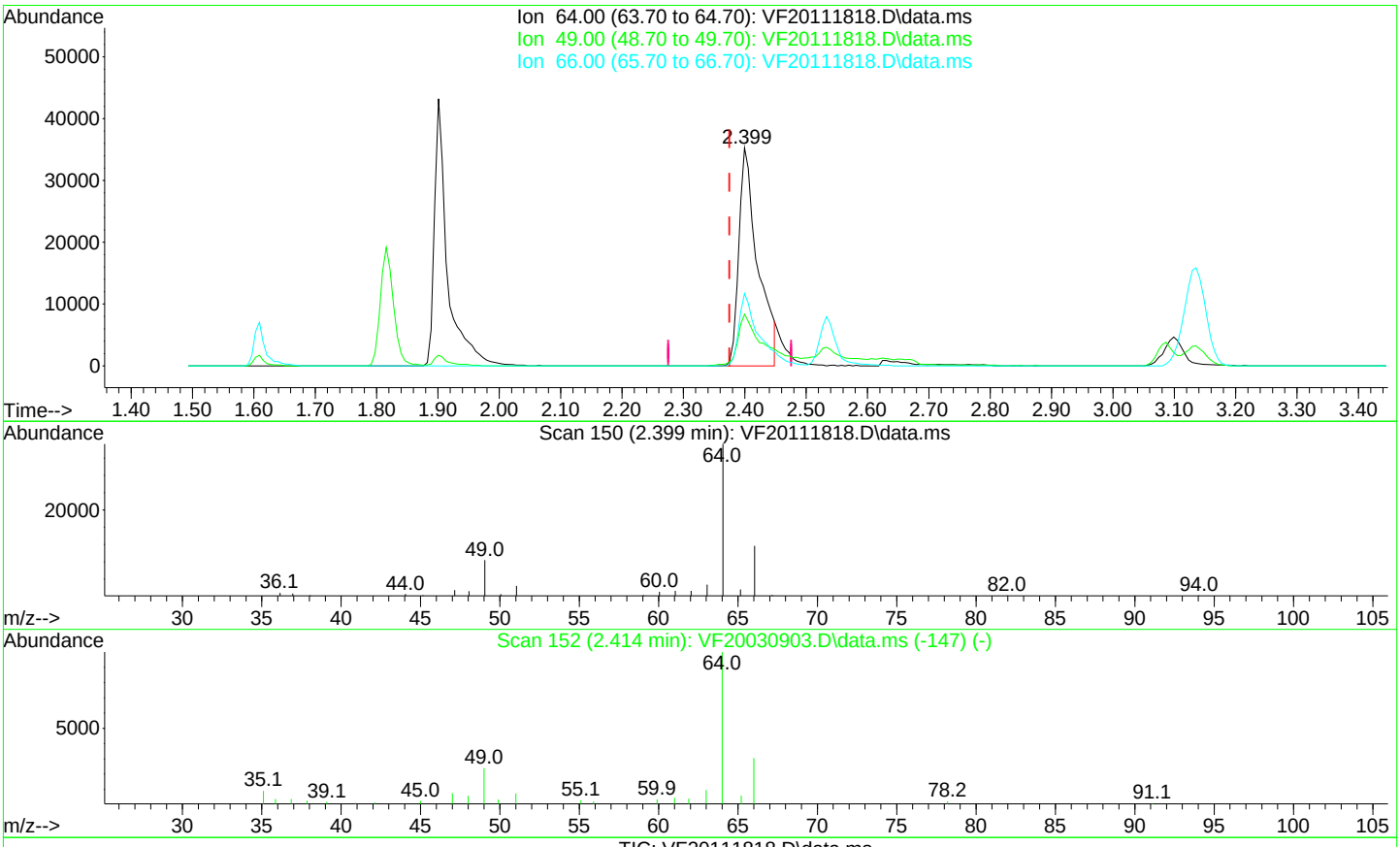
Quant Time: Nov 19 13:45:18 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:22:36 2020
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111818.D
Acq On : 19 Nov 2020 12:52 am
Operator : TNL
Sample : 0k18062-CALB
Misc : 1X 5mL 200ppb DI+MeOH
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 19 13:45:18 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:22:36 2020
Response via : Initial Calibration



TIC: VF20111818.D\data.ms

(6) Chloroethane

2.399min (+ 0.024) 143.10 ug/L

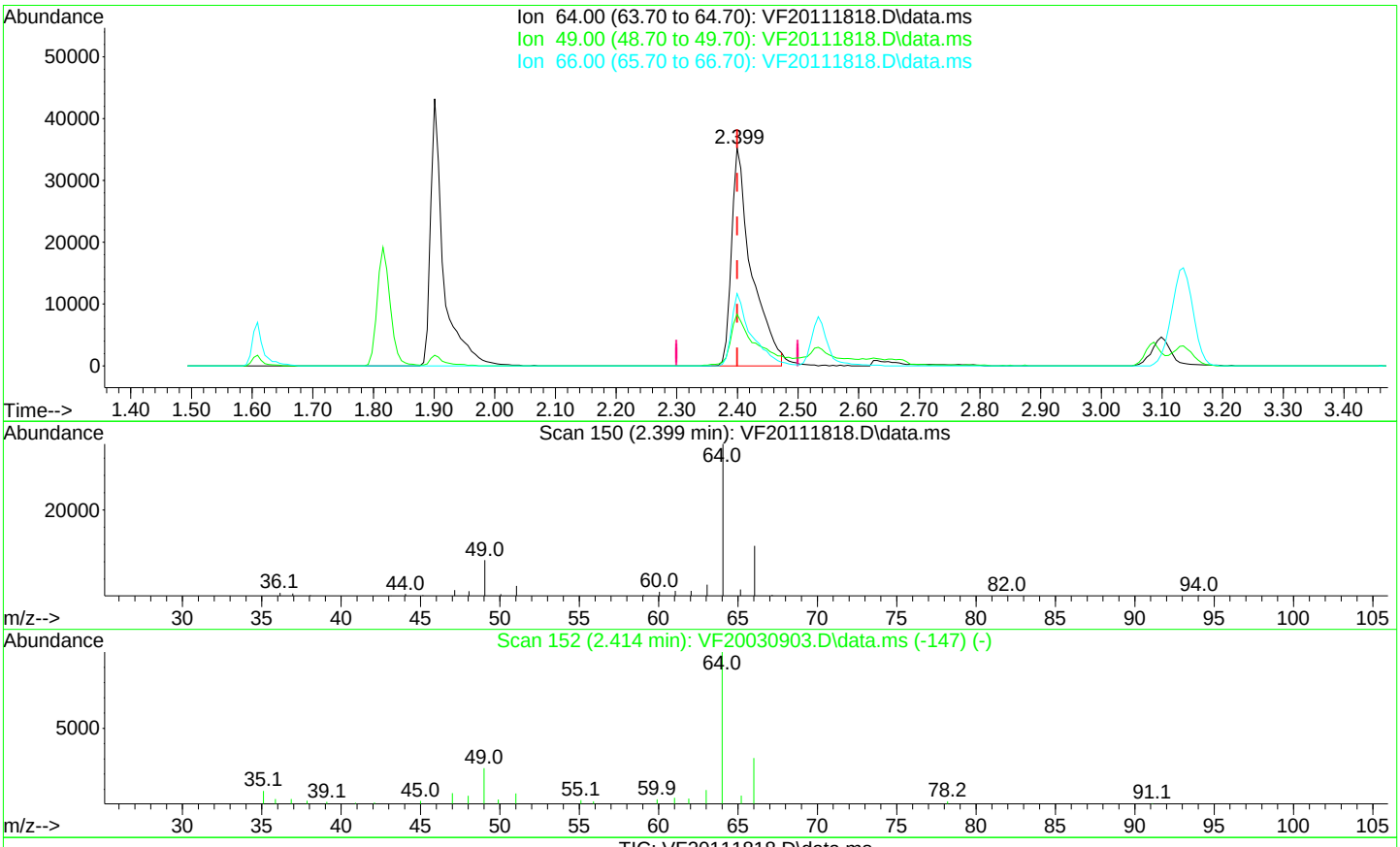
response 75523

Ion	Exp%	Act%
64.00	100.00	100.00
49.00	25.70	23.73
66.00	34.50	33.12
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111818.D
Acq On : 19 Nov 2020 12:52 am
Operator : TNL
Sample : 0k18062-CALB
Misc : 1X 5mL 200ppb DI+MeOH
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 19 13:46:04 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:45:52 2020
Response via : Initial Calibration



TIC: VF20111818.D\data.ms

(6) Chloroethane

2.399min (0.000) 152.95 ug/L

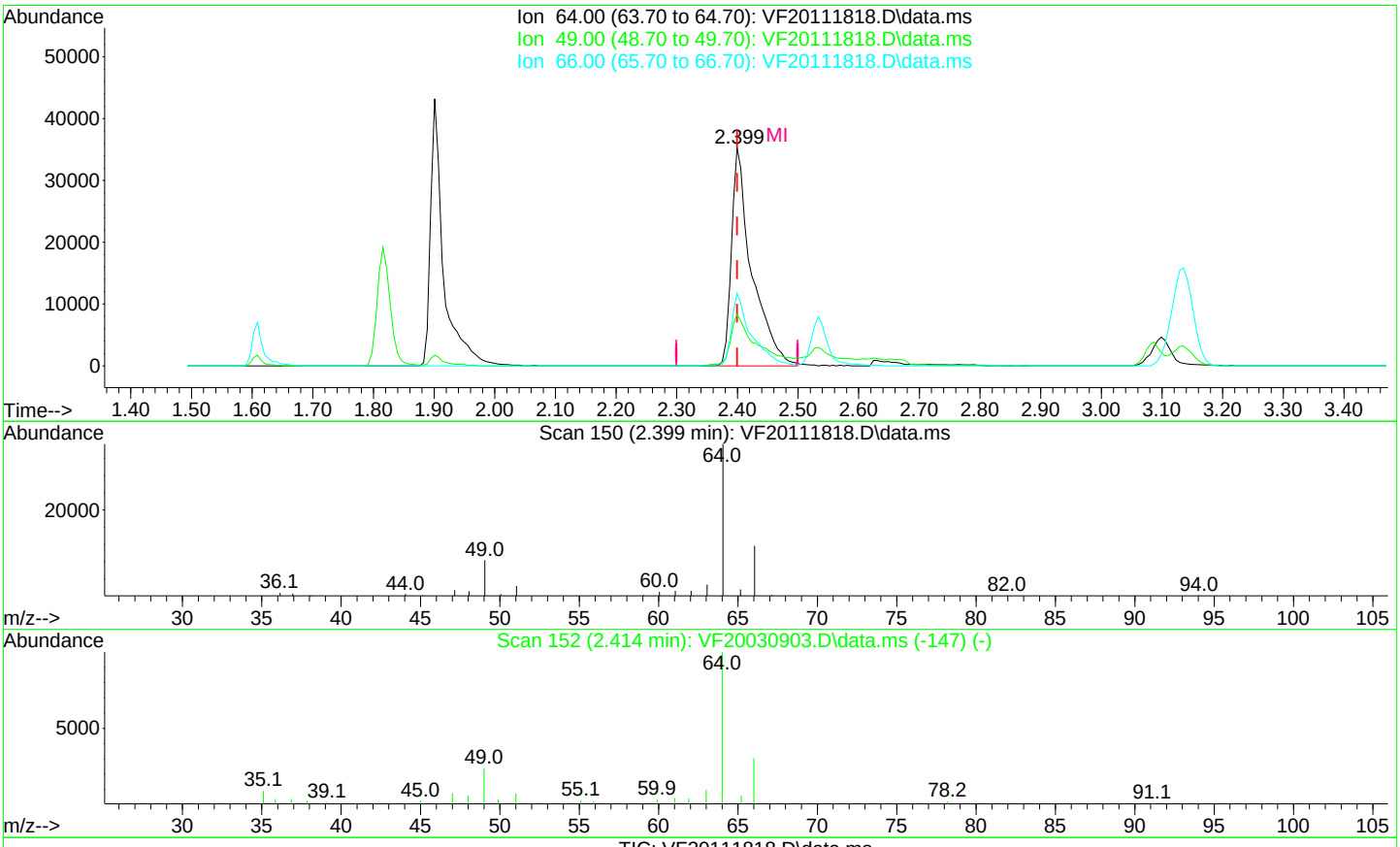
response 80718

Ion	Exp%	Act%
64.00	100.00	100.00
49.00	25.70	23.73
66.00	34.50	33.12
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111818.D
Acq On : 19 Nov 2020 12:52 am
Operator : TNL
Sample : 0k18062-CALB
Misc : 1X 5mL 200ppb DI+MeOH
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 19 13:46:04 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:45:52 2020
Response via : Initial Calibration



TIC: VF20111818.D\data.ms

(6) Chloroethane

2.399min (0.000) 155.07 ug/L m

response 81837

Ion	Exp%	Act%
64.00	100.00	100.00
49.00	25.70	23.73
66.00	34.50	33.12
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111818.D
Acq On : 19 Nov 2020 12:52 am
Operator : TNL
Sample : 0k18062-CALB
Misc : 1X 5mL 200ppb DI+MeOH
ALS Vial : 18 Sample Multiplier: 1

11/20/20 TNL

Quant Time: Nov 19 13:46:44 2020
Quant Method : Y:\METHODS\~~VF201119S.M~~
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:45:52 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.018	99	74842	50.00	ug/L		0.00
43) Chlorobenzene-d5 (I)	9.740	117	210488	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.692	152	94597	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.531	111	67584	54.05	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.583	114	232298	52.79	ug/L		0.00
45) Toluene-d8 (S)	8.085	98	297673	47.62	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.810	174	82106	50.94	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.609	85	243838	153.48	ug/L		99
3) Chloromethane	1.816	50	282362	132.39	ug/L		99
4) Vinyl Chloride	1.901	62	198758	106.57	ug/L		97
5) Bromomethane	2.260	96	138111	113.76	ug/L		98
6) Chloroethane	2.399	64	81837m	155.07	ug/L		
7) Trichlorofluoromethane	2.533	101	113686	102.57	ug/L		96
8) Ethanol	0.000		0	N.D.	d		
9) 1,1-Dichloroethene	3.087	61	382715	162.52	ug/L		88
10) Carbon Disulfide	3.099	76	654354	232.48	ug/L		99
11) Freon 113	3.135	101	259159	209.89	ug/L		86
12) Iodomethane	3.239	142	212204	199.99	ug/L		97
13) Methylene Chloride	3.719	84	271492	173.39	ug/L		92
14) Acetone	3.804	43	183564	277.50	ug/L		94
15) t-1,2-Dichloroethene	3.883	61	436083	195.24	ug/L		93
16) n-Hexane	3.962	86	63421	231.18	ug/L	#	90
17) Methyl-tert-butyl-ether	4.011	73	1002181	212.83	ug/L		99
18) tert-Butanol (TBA)	0.000		0	N.D.			
19) Diisopropyl ether (DIPE)	0.000		0	N.D.			
20) 1,1-Dichloroethane	4.516	63	505398	170.39	ug/L		98
21) Acrylonitrile	4.583	53	140934	182.36	ug/L		99
22) Ethyl-tert-butyl ether...	0.000		0	N.D.	d		
23) c-1,2-Dichloroethene	5.063	61	416968	185.54	ug/L		98
24) 2,2-Dichloropropane	5.166	77	312875	196.31	ug/L		90
25) Bromochloromethane	5.264	49	204676	137.14	ug/L		96
26) Chloroform	5.349	83	550252	216.92	ug/L		98
27) Carbon Tetrachloride	5.477	117	371319	197.62	ug/L		97

VF201119S.M Thu Nov 19 13:47:48 2020 Page: 1

Quantitation Report (QT Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111818.D
Acq On : 19 Nov 2020 12:52 am
Operator : TNL
Sample : 0k18062-CALB
Misc : 1X 5mL 200ppb DI+MeOH
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 19 13:46:44 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:45:52 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
28) Tetrahydrofuran	5.519	42	126023	155.63	ug/L		90
29) 1,1,1-Trichloroethane	5.544	97	472026	234.33	ug/L		99
31) 1,1-Dichloropropene	5.671	75	442079	211.46	ug/L		99
32) 2-Butanone (MEK)	5.671	43	339543	300.86	ug/L		85
33) Benzene	5.927	78	1390229	203.89	ug/L		99
34) tert-Amyl methyl ether...	0.000		0	N.D.			
35) 1,2-Dichloroethane (EDC)	6.146	62	435304	190.75	ug/L		99
36) iso-Butyl Alcohol	6.231	43	464752	5261.32	ug/L		91
38) Trichloroethene (TCE)	6.547	130	354848	234.22	ug/L		99
39) tert-Amyl ethyl ether ...	0.000		0	N.D.			
40) Dibromomethane	6.997	93	206460	224.91	ug/L		89
41) 1,2-Dichloropropane	7.100	63	345310	192.20	ug/L		97
42) Bromodichloromethane	7.179	83	414440	191.27	ug/L		97
44) c-1,3-Dichloropropene	7.879	75	531463	183.88	ug/L		94
46) Toluene	8.140	91	1452821	181.89	ug/L		99
47) Tetrachloroethene (PCE)	8.590	166	325389	208.90	ug/L		94
48) 4-Methyl-2-Pentanone (...	8.590	43	682968	266.46	ug/L		93
49) t-1,3-Dichloropropene	8.633	75	487888	173.58	ug/L		97
50) 1,1,2-Trichloroethane	8.809	97	319965	198.86	ug/L		95
51) Dibromochloromethane	9.004	129	320426	198.35	ug/L		97
52) 1,3-Dichloropropane	9.101	76	576443	191.97	ug/L		92
53) 1,2-Dibromoethane (EDB)	9.235	107	336119	219.02	ug/L		100
54) 2-Hexanone	9.472	43	500391	264.36	ug/L		94
55) Chlorobenzene	9.752	112	916928	201.11	ug/L		99
56) Ethylbenzene	9.776	91	1516093	198.96	ug/L		98
57) 1,1,1,2-Tetrachloroethane	9.819	131	311205	190.76	ug/L		99
58) m,p-Xylenes (2)	9.916	91	2227333	407.97	ug/L		98
59) o-Xylene	10.299	91	1158422	210.61	ug/L		98
60) Styrene	10.348	104	935702	181.47	ug/L		99
61) Bromoform	10.372	173	213718	190.06	ug/L		98
62) Isopropylbenzene	10.567	105	1349789	213.97	ug/L		98
65) Bromobenzene	10.895	156	340501	215.35	ug/L		91
66) n-Propylbenzene	10.913	91	1482115	201.35	ug/L		98
67) 1,1,2,2-Tetrachloroethane	10.980	83	384698	200.86	ug/L		97
68) 2-Chlorotoluene	11.047	126	309114	216.91	ug/L		94
69) 1,3,5-Trimethylbenzene	11.071	105	1015537	215.77	ug/L		98
70) 1,2,3-Trichloropropane	11.090	110	126923	178.29	ug/L	#	83
71) t-1,4-Dichloro-2-butene	11.120	88	51831	171.63	ug/L	#	76

Quantitation Report (QT Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111818.D
Acq On : 19 Nov 2020 12:52 am
Operator : TNL
Sample : 0k18062-CALB
Misc : 1X 5mL 200ppb DI+MeOH
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 19 13:46:44 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:45:52 2020
Response via : Initial Calibration

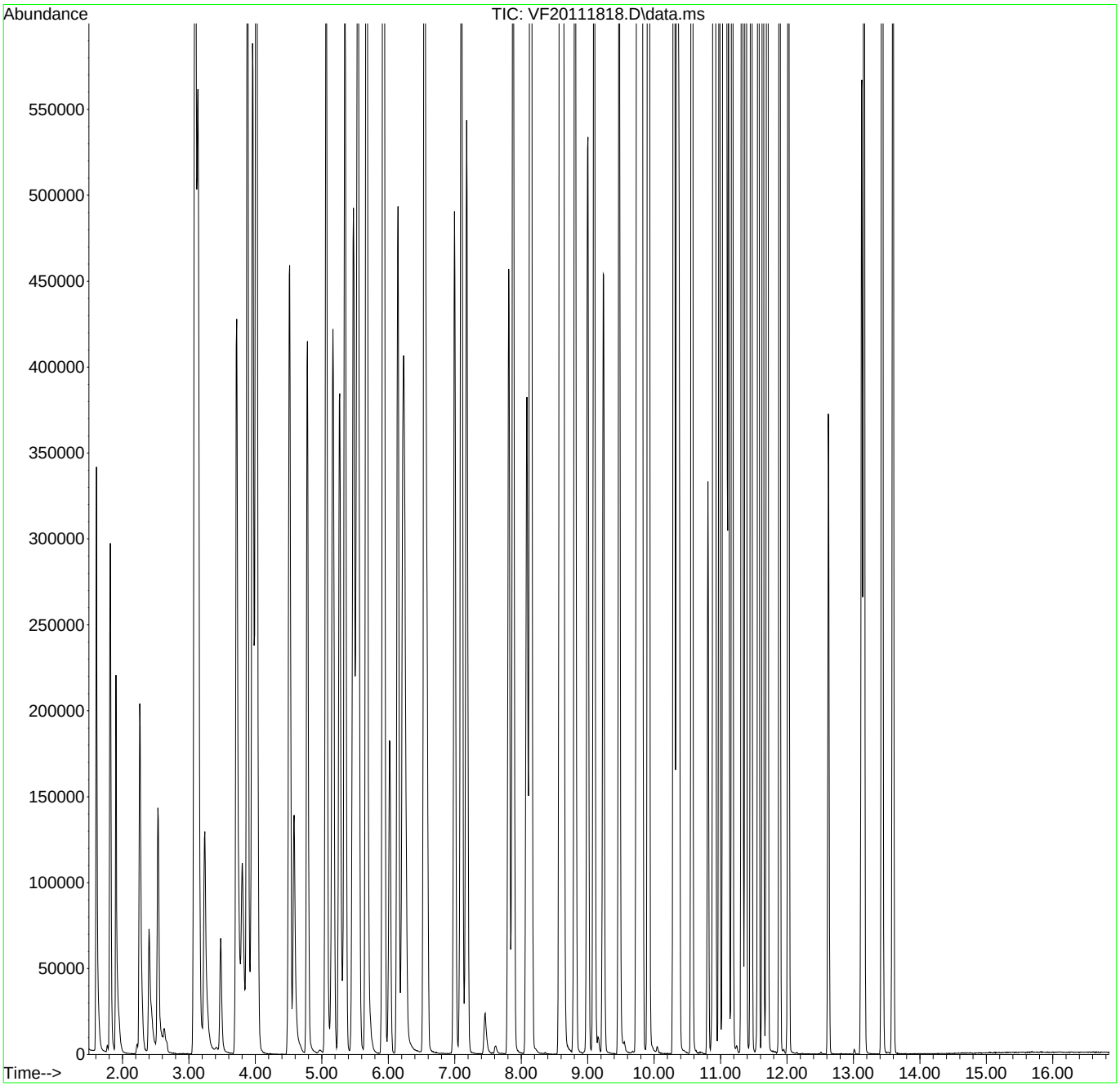
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 4-Chlorotoluene	11.175	91	909702	206.50	ug/L	98
73) tert-Butylbenzene	11.321	91	541633	206.52	ug/L	94
74) 1,2,4-Trimethylbenzene	11.382	105	1021644	216.02	ug/L	99
75) sec-Butylbenzene	11.461	105	1184770	211.58	ug/L	97
76) 4-Isopropyltoluene	11.570	119	1004664	224.24	ug/L	98
77) 1,3-Dichlorobenzene	11.637	146	549931	209.37	ug/L	98
78) 1,4-Dichlorobenzene	11.704	146	551839	188.42	ug/L	97
79) n-Butylbenzene	11.886	91	813005	204.39	ug/L	98
80) 1,2-Dichlorobenzene	12.020	146	507628	205.99	ug/L	98
81) 1,2-Dibromo-3-Chloropr...	12.622	157	96798	211.02	ug/L	87
82) Hexachlorobutadiene	13.127	223	68967	199.79	ug/L	98
83) 1,2,4-Trichlorobenzene	13.157	180	294309	227.29	ug/L	97
84) Naphthalene	13.431	128	1097032	198.84	ug/L	99
85) 1,2,3-Trichlorobenzene	13.595	180	280192	225.27	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111818.D
Acq On : 19 Nov 2020 12:52 am
Operator : TNL
Sample : 0k18062-CALB
Misc : 1X 5mL 200ppb DI+MeOH
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 19 13:46:44 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 13:45:52 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111819.D
Acq On : 19 Nov 2020 1:20 am
Operator : TNL
Sample : 0k18062-IBL6
Misc : 1X 5mL DI+MeOH
ALS Vial : 19 Sample Multiplier: 1

11/20/20 TNL

Quant Time: Nov 19 17:11:06 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.017	99	72591	50.00	ug/L		0.00
43) Chlorobenzene-d5 (I)	9.739	117	201830	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.691	152	89290	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.531	111	63966	50.82	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.577	114	230385	51.42	ug/L		0.00
45) Toluene-d8 (S)	8.085	98	290252	50.08	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.810	174	79770	51.35	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.596	85	785	0.70	ug/L		89
3) Chloromethane	1.797	50	467	0.32	ug/L	#	48
4) Vinyl Chloride	1.888	62	183	0.19	ug/L	#	48
5) Bromomethane	2.247	96	641	0.72	ug/L		75
7) Trichlorofluoromethane	2.509	101	186	Below Cal		#	25
9) 1,1-Dichloroethene	3.074	61	528	0.29	ug/L		90
10) Carbon Disulfide	3.092	76	3034	1.33	ug/L		97
11) Freon 113	3.129	101	1139	0.99	ug/L		89
12) Iodomethane	3.238	142	416	4.78	ug/L	#	47
13) Methylene Chloride	3.713	84	1494	1.05	ug/L	#	73
14) Acetone	3.798	43	454	1.01	ug/L	#	42
15) t-1,2-Dichloroethene	3.883	61	894	0.46	ug/L		92
16) n-Hexane	3.956	86	100	0.37	ug/L	#	65
23) c-1,2-Dichloroethene	5.069	61	297	0.16	ug/L	#	56
26) Chloroform	5.349	83	275	0.11	ug/L	#	28
27) Carbon Tetrachloride	5.464	117	479	0.36	ug/L		82
29) 1,1,1-Trichloroethane	5.531	97	373	0.19	ug/L	#	59
31) 1,1-Dichloropropene	5.677	75	1095	0.56	ug/L		97
33) Benzene	5.932	78	1263	0.19	ug/L		85
38) Trichloroethene (TCE)	6.553	130	757	0.49	ug/L	#	78
46) Toluene	8.146	91	3019	0.41	ug/L		91
47) Tetrachloroethene (PCE)	8.596	166	1412	0.98	ug/L		96
55) Chlorobenzene	9.751	112	3006	0.69	ug/L		86
56) Ethylbenzene	9.782	91	5631	0.84	ug/L		97
57) 1,1,1,2-Tetrachloroethane	9.818	131	413	0.58	ug/L	#	64
58) m,p-Xylenes (2)	9.922	91	8447	1.72	ug/L		97

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111819.D
Acq On : 19 Nov 2020 1:20 am
Operator : TNL
Sample : 0k18062-IBL6
Misc : 1X 5mL DI+MeOH
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 19 17:11:06 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration

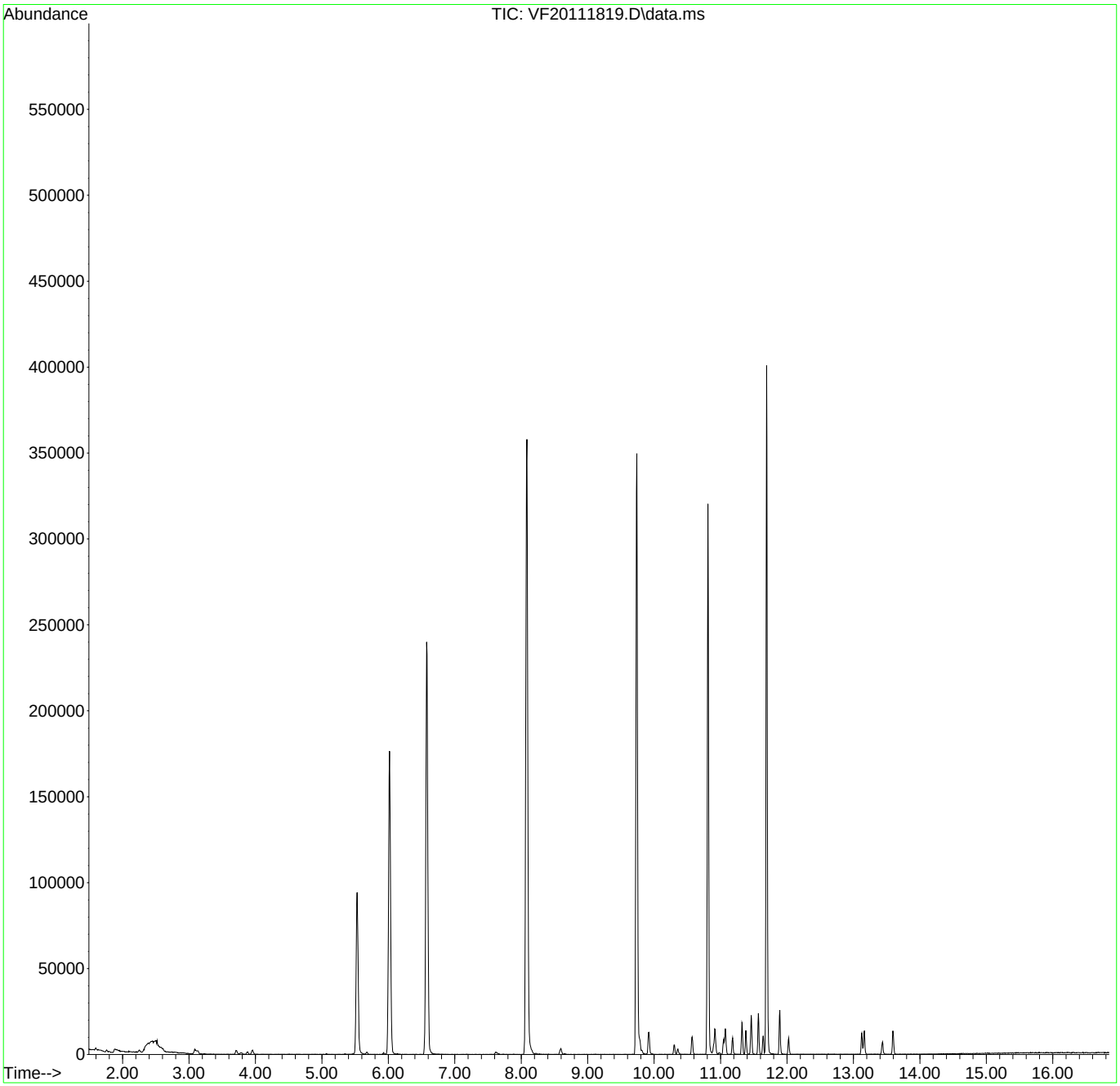
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) o-Xylene	10.299	91	3675	0.77	ug/L	97
60) Styrene	10.353	104	2137	0.58	ug/L	96
62) Isopropylbenzene	10.572	105	7085	1.28	ug/L	97
65) Bromobenzene	10.895	156	1404	0.94	ug/L	80
66) n-Propylbenzene	10.919	91	10997	1.72	ug/L	96
67) 1,1,2,2-Tetrachloroethane	10.986	83	700	0.39	ug/L	91
68) 2-Chlorotoluene	11.047	126	1716	1.34	ug/L	95
69) 1,3,5-Trimethylbenzene	11.071	105	7380	1.81	ug/L	96
72) 4-Chlorotoluene	11.181	91	5551	1.45	ug/L	99
73) tert-Butylbenzene	11.320	91	5274	2.30	ug/L	95
74) 1,2,4-Trimethylbenzene	11.381	105	7151	1.71	ug/L	93
75) sec-Butylbenzene	11.460	105	14880	3.06	ug/L	95
76) 4-Isopropyltoluene	11.570	119	11669	2.91	ug/L	98
77) 1,3-Dichlorobenzene	11.643	146	4464	1.88	ug/L	97
78) 1,4-Dichlorobenzene	11.704	146	4788	1.80	ug/L	88
79) n-Butylbenzene	11.892	91	12595	3.76	ug/L	95
80) 1,2-Dichlorobenzene	12.026	146	3756	1.66	ug/L	94
82) Hexachlorobutadiene	13.127	223	1579	5.10	ug/L	87
83) 1,2,4-Trichlorobenzene	13.163	180	4574	3.82	ug/L	96
84) Naphthalene	13.437	128	6276	1.77	ug/L	98
85) 1,2,3-Trichlorobenzene	13.595	180	4598	4.14	ug/L	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111819.D
Acq On : 19 Nov 2020 1:20 am
Operator : TNL
Sample : 0k18062-IBL6
Misc : 1X 5mL DI+MeOH
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 19 17:11:06 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111820.D
Acq On : 19 Nov 2020 1:47 am
Operator : TNL
Sample : 0k18062-IBL7
Misc : 1X 5mL DI+MeOH 11/20/20 TNL
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 19 17:11:13 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.020	99	70412	50.00	ug/L		0.00
43) Chlorobenzene-d5 (I)	9.736	117	191884	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.694	152	84467	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.534	111	59685	48.89	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.580	114	220334	50.70	ug/L		0.00
45) Toluene-d8 (S)	8.082	98	276020	50.10	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.812	174	75464	51.35	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.605	85	246	0.23	ug/L		90
3) Chloromethane	1.812	50	278	0.19	ug/L		81
5) Bromomethane	2.256	96	425	0.49	ug/L		88
10) Carbon Disulfide	3.101	76	1027	0.46	ug/L		77
11) Freon 113	3.131	101	311	0.28	ug/L	#	80
12) Iodomethane	3.235	142	242	4.58	ug/L	#	47
13) Methylene Chloride	3.715	84	1543	1.11	ug/L		90
14) Acetone	3.794	43	516	1.19	ug/L	#	42
15) t-1,2-Dichloroethene	3.879	61	230	0.12	ug/L	#	67
31) 1,1-Dichloropropene	5.679	75	298	0.16	ug/L	#	41
38) Trichloroethene (TCE)	6.555	130	125	0.08	ug/L	#	68
46) Toluene	8.149	91	680	0.10	ug/L		93
47) Tetrachloroethene (PCE)	8.599	166	452	0.33	ug/L		90
55) Chlorobenzene	9.754	112	635	0.15	ug/L	#	56
56) Ethylbenzene	9.784	91	1363	0.21	ug/L		93
58) m,p-Xylenes (2)	9.924	91	2122	0.46	ug/L		91
59) o-Xylene	10.301	91	808	0.18	ug/L		92
60) Styrene	10.362	104	335	0.10	ug/L	#	41
62) Isopropylbenzene	10.575	105	1729	0.33	ug/L		97
65) Bromobenzene	10.897	156	249	0.18	ug/L		92
66) n-Propylbenzene	10.922	91	3023	0.50	ug/L		97
68) 2-Chlorotoluene	11.049	126	435	0.36	ug/L	#	80
69) 1,3,5-Trimethylbenzene	11.074	105	1845	0.48	ug/L		97
72) 4-Chlorotoluene	11.183	91	1676	0.46	ug/L		89
73) tert-Butylbenzene	11.323	91	1364	0.63	ug/L		85
74) 1,2,4-Trimethylbenzene	11.384	105	1707	0.43	ug/L		98

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111820.D
Acq On : 19 Nov 2020 1:47 am
Operator : TNL
Sample : 0k18062-IBL7
Misc : 1X 5mL DI+MeOH
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 19 17:11:13 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration

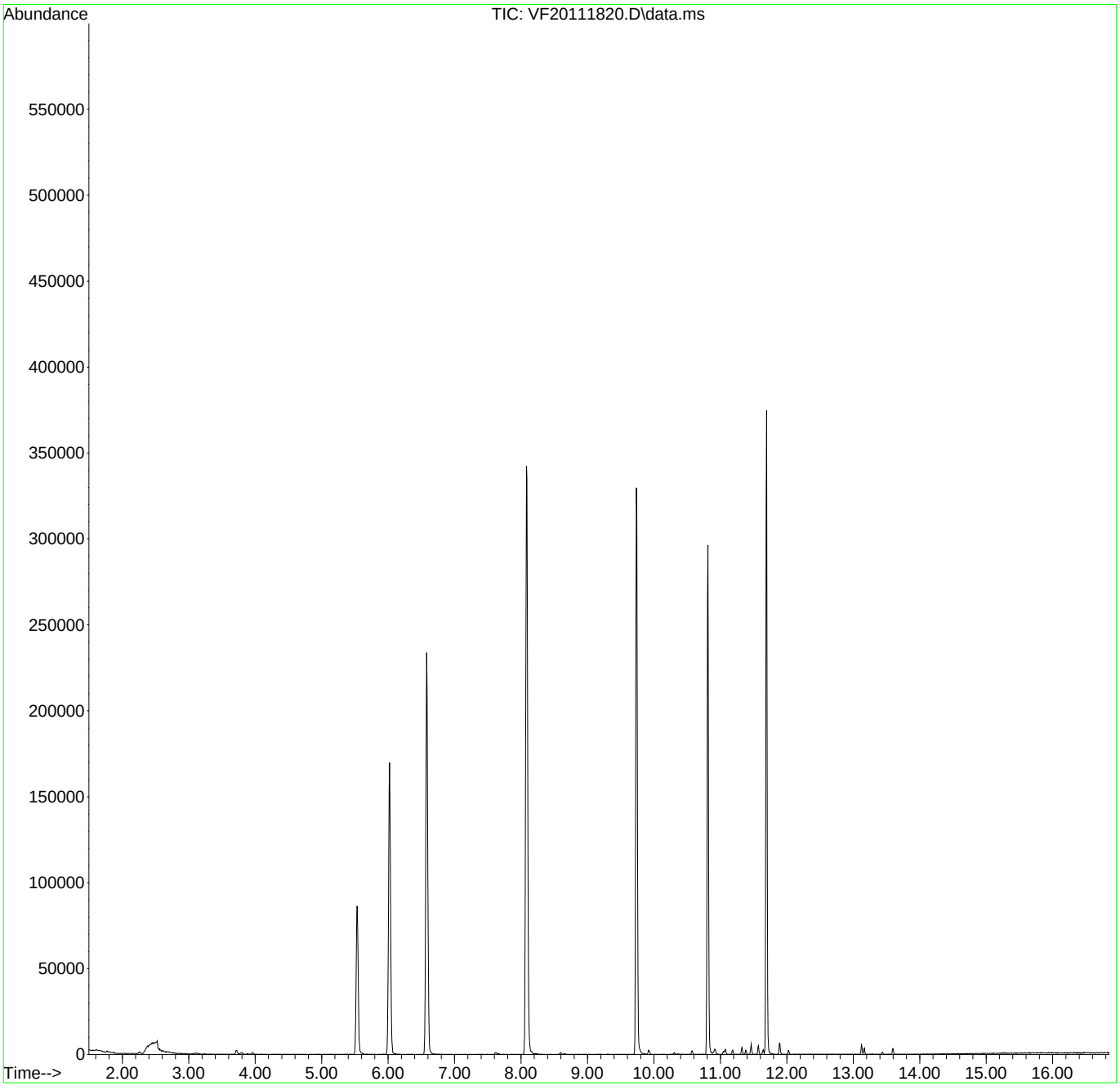
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75) sec-Butylbenzene	11.463	105	3950	0.86	ug/L	97
76) 4-Isopropyltoluene	11.572	119	3072	0.81	ug/L	96
77) 1,3-Dichlorobenzene	11.639	146	1255	0.56	ug/L	89
78) 1,4-Dichlorobenzene	11.706	146	1504	0.60	ug/L	77
79) n-Butylbenzene	11.889	91	3896	1.23	ug/L	93
80) 1,2-Dichlorobenzene	12.028	146	1075	0.50	ug/L	93
82) Hexachlorobutadiene	13.123	223	764	2.61	ug/L	84
83) 1,2,4-Trichlorobenzene	13.166	180	1350	1.19	ug/L	92
84) Naphthalene	13.433	128	1443	0.59	ug/L	78
85) 1,2,3-Trichlorobenzene	13.597	180	1188	1.13	ug/L	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111820.D
Acq On : 19 Nov 2020 1:47 am
Operator : TNL
Sample : 0k18062-IBL7
Misc : 1X 5mL DI+MeOH
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 19 17:11:13 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111821.D
Acq On : 19 Nov 2020 2:14 am
Operator : TNL
Sample : 0k18062-ICV1
Misc : 1X 5mL 20ppb DI+MeOH
ALS Vial : 21 Sample Multiplier: 1

11/20/20 TNL

Quant Time: Nov 19 17:11:19 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.019	99	73638	50.00	ug/L		0.00
43) Chlorobenzene-d5 (I)	9.735	117	202330	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.693	152	93625	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.532	111	65744	51.49	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.579	114	227412	50.04	ug/L		0.00
45) Toluene-d8 (S)	8.081	98	289572	49.84	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.811	174	82356	50.56	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.604	85	30361	26.62	ug/L		98
3) Chloromethane	1.811	50	30704	20.46	ug/L		98
4) Vinyl Chloride	1.896	62	21048	21.04	ug/L		100
5) Bromomethane	2.255	96	14326	15.75	ug/L		95
6) Chloroethane	2.382	64	7224	19.31	ug/L		82
7) Trichlorofluoromethane	2.522	101	18338	32.41	ug/L		99
8) Ethanol	3.173	45	15429	882.91	ug/L		85
9) 1,1-Dichloroethene	3.082	61	34867	19.18	ug/L		88
10) Carbon Disulfide	3.100	76	50605	21.79	ug/L		99
11) Freon 113	3.130	101	24666	21.13	ug/L		84
12) Iodomethane	3.234	142	10579	16.93	ug/L		91
13) Methylene Chloride	3.714	84	26993	18.64	ug/L		93
14) Acetone	3.793	43	13098	28.82	ug/L		96
15) t-1,2-Dichloroethene	3.878	61	38623	19.64	ug/L		96
16) n-Hexane	3.957	86	5653	20.49	ug/L	#	83
17) Methyl-tert-butyl-ether	4.012	73	88091	19.81	ug/L		99
18) tert-Butanol (TBA)	4.170	59	225182	1216.30	ug/L	#	97
19) Diisopropyl ether (DIPE)	4.401	45	20104	4.66	ug/L		96
20) 1,1-Dichloroethane	4.511	63	51892	19.65	ug/L		98
21) Acrylonitrile	4.584	53	9353	14.50	ug/L		98
22) Ethyl-tert-butyl ether...	4.772	59	20700	4.81	ug/L		95
23) c-1,2-Dichloroethene	5.064	61	39470	20.67	ug/L		97
24) 2,2-Dichloropropane	5.168	77	24402	19.07	ug/L		96
25) Bromochloromethane	5.265	49	19564	19.12	ug/L		86
26) Chloroform	5.350	83	51356	19.87	ug/L		98
27) Carbon Tetrachloride	5.472	117	28288	20.84	ug/L		98

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111821.D
Acq On : 19 Nov 2020 2:14 am
Operator : TNL
Sample : 0k18062-ICV1
Misc : 1X 5mL 20ppb DI+MeOH
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 19 17:11:19 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
28) Tetrahydrofuran	5.520	42	8309	13.43	ug/L		86
29) 1,1,1-Trichloroethane	5.545	97	40942	20.87	ug/L		97
31) 1,1-Dichloropropene	5.672	75	40272	20.16	ug/L		99
32) 2-Butanone (MEK)	5.666	43	22481	27.19	ug/L		88
33) Benzene	5.928	78	132731	19.60	ug/L		99
34) tert-Amyl methyl ether...	6.056	73	18393	4.74	ug/L		96
35) 1,2-Dichloroethane (EDC)	6.141	62	40648	19.21	ug/L		99
36) iso-Butyl Alcohol	6.214	43	38114	473.19	ug/L		94
38) Trichloroethene (TCE)	6.548	130	32512	20.91	ug/L		99
39) tert-Amyl ethyl ether ...	6.797	59	14015	5.12	ug/L		95
40) Dibromomethane	6.998	93	17858	19.63	ug/L		89
41) 1,2-Dichloropropane	7.101	63	31983	19.83	ug/L		95
42) Bromodichloromethane	7.181	83	32281	21.71	ug/L		98
44) c-1,3-Dichloropropene	7.880	75	40807	19.25	ug/L		96
46) Toluene	8.141	91	139049	19.01	ug/L		99
47) Tetrachloroethene (PCE)	8.591	166	30178	20.93	ug/L		98
48) 4-Methyl-2-Pentanone (...	8.591	43	65657	40.38	ug/L		95
49) t-1,3-Dichloropropene	8.634	75	36361	19.02	ug/L		97
50) 1,1,2-Trichloroethane	8.810	97	29974	20.42	ug/L		94
51) Dibromochloromethane	8.999	129	23266	19.26	ug/L		99
52) 1,3-Dichloropropane	9.096	76	53891	20.17	ug/L		96
53) 1,2-Dibromoethane (EDB)	9.236	107	29734	20.87	ug/L		98
54) 2-Hexanone	9.473	43	42681	38.80	ug/L		96
55) Chlorobenzene	9.753	112	86801	19.81	ug/L		99
56) Ethylbenzene	9.777	91	142209	21.10	ug/L		98
57) 1,1,1,2-Tetrachloroethane	9.814	131	25788	20.04	ug/L		96
58) m,p-Xylenes (2)	9.917	91	209075	42.52	ug/L		97
59) o-Xylene	10.300	91	104613	21.78	ug/L		98
60) Styrene	10.349	104	81860	22.04	ug/L		99
61) Bromoform	10.373	173	15231	18.70	ug/L		99
62) Isopropylbenzene	10.568	105	122782	22.07	ug/L		99
65) Bromobenzene	10.896	156	32877	21.03	ug/L		94
66) n-Propylbenzene	10.914	91	138169	20.66	ug/L		97
67) 1,1,2,2-Tetrachloroethane	10.981	83	38079	19.98	ug/L		99
68) 2-Chlorotoluene	11.042	126	28848	21.45	ug/L	#	85
69) 1,3,5-Trimethylbenzene	11.073	105	95224	22.26	ug/L		98
70) 1,2,3-Trichloropropane	11.085	110	13299	20.17	ug/L	#	79
71) t-1,4-Dichloro-2-butene	11.121	88	3567	18.64	ug/L	#	90

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111821.D
Acq On : 19 Nov 2020 2:14 am
Operator : TNL
Sample : 0k18062-ICV1
Misc : 1X 5mL 20ppb DI+MeOH
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 19 17:11:19 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration

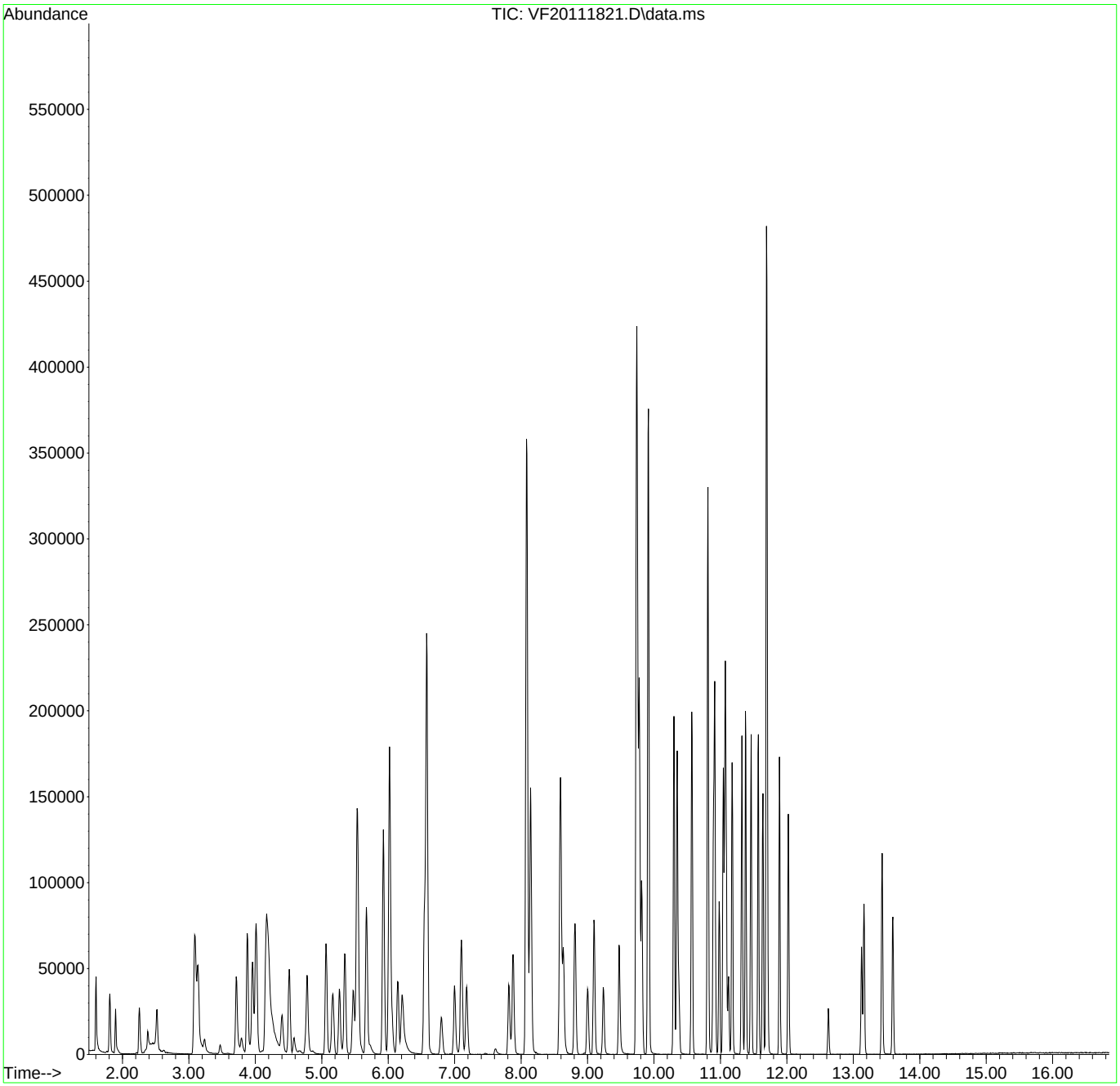
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 4-Chlorotoluene	11.176	91	85701	21.32	ug/L	99
73) tert-Butylbenzene	11.322	91	51301	21.37	ug/L	94
74) 1,2,4-Trimethylbenzene	11.377	105	96190	21.90	ug/L	99
75) sec-Butylbenzene	11.462	105	111502	21.90	ug/L	97
76) 4-Isopropyltoluene	11.571	119	92442	22.02	ug/L	97
77) 1,3-Dichlorobenzene	11.638	146	54394	21.86	ug/L	99
78) 1,4-Dichlorobenzene	11.705	146	55627	19.98	ug/L	99
79) n-Butylbenzene	11.887	91	76922	21.90	ug/L	97
80) 1,2-Dichlorobenzene	12.021	146	49603	20.95	ug/L	95
81) 1,2-Dibromo-3-Chloropr...	12.629	157	6554	19.82	ug/L	91
82) Hexachlorobutadiene	13.128	223	7245	22.32	ug/L	97
83) 1,2,4-Trichlorobenzene	13.159	180	26368	21.02	ug/L	99
84) Naphthalene	13.432	128	85382	19.97	ug/L	98
85) 1,2,3-Trichlorobenzene	13.596	180	25149	21.57	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111821.D
Acq On : 19 Nov 2020 2:14 am
Operator : TNL
Sample : 0k18062-ICV1
Misc : 1X 5mL 20ppb DI+MeOH
ALS Vial : 21 Sample Multiplier: 1

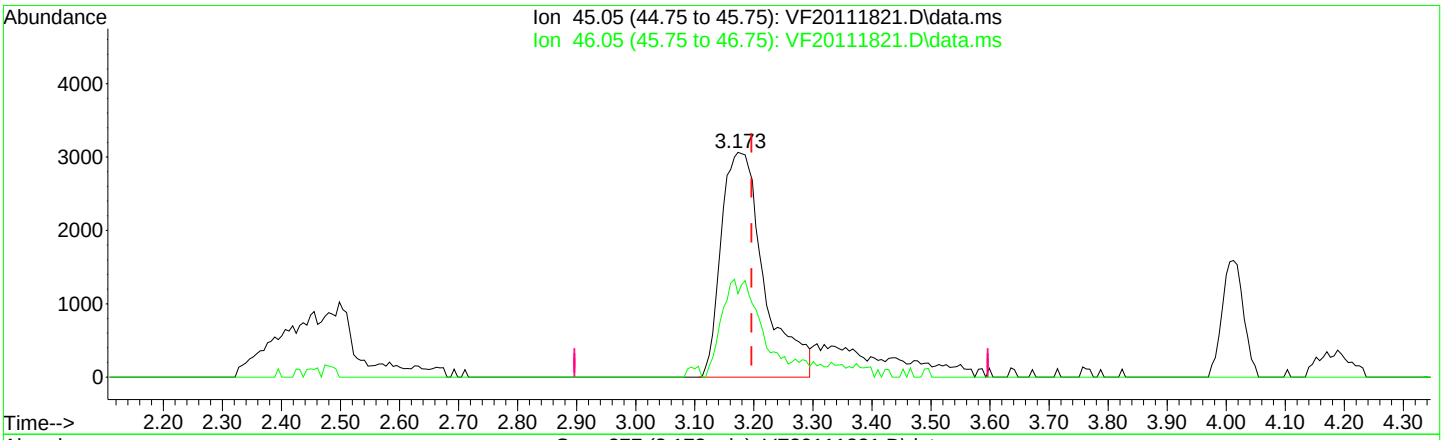
Quant Time: Nov 19 17:11:19 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111821.D
Acq On : 19 Nov 2020 2:14 am
Operator : TNL
Sample : 0k18062-ICV1
Misc : 1X 5mL 20ppb DI+MeOH
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 19 17:11:19 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration



TIC: VF20111821.D\data.ms

(8) Ethanol

3.173min (-0.023) 882.91 ug/L

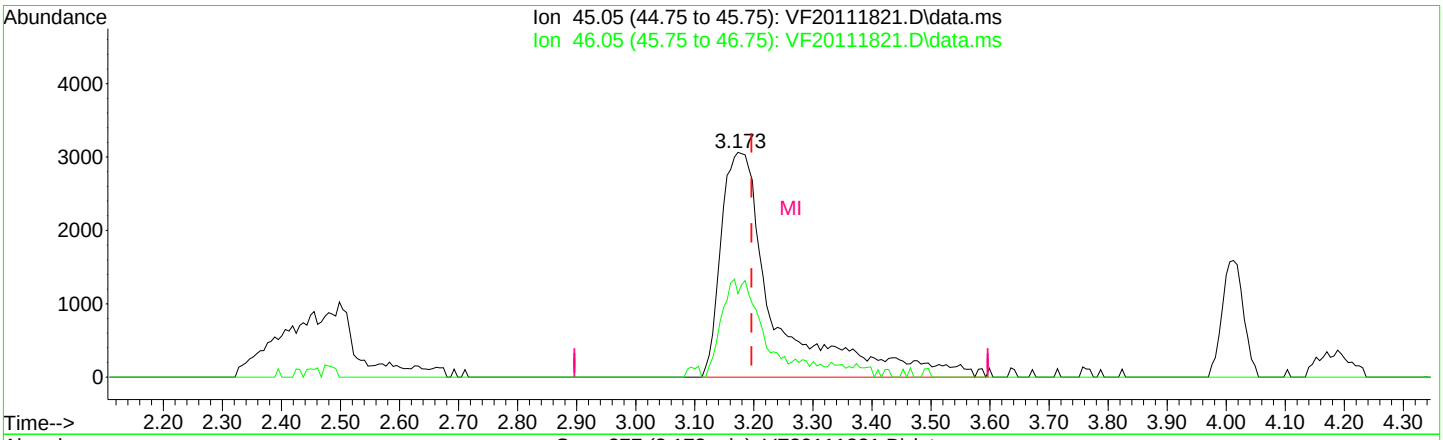
response 15429

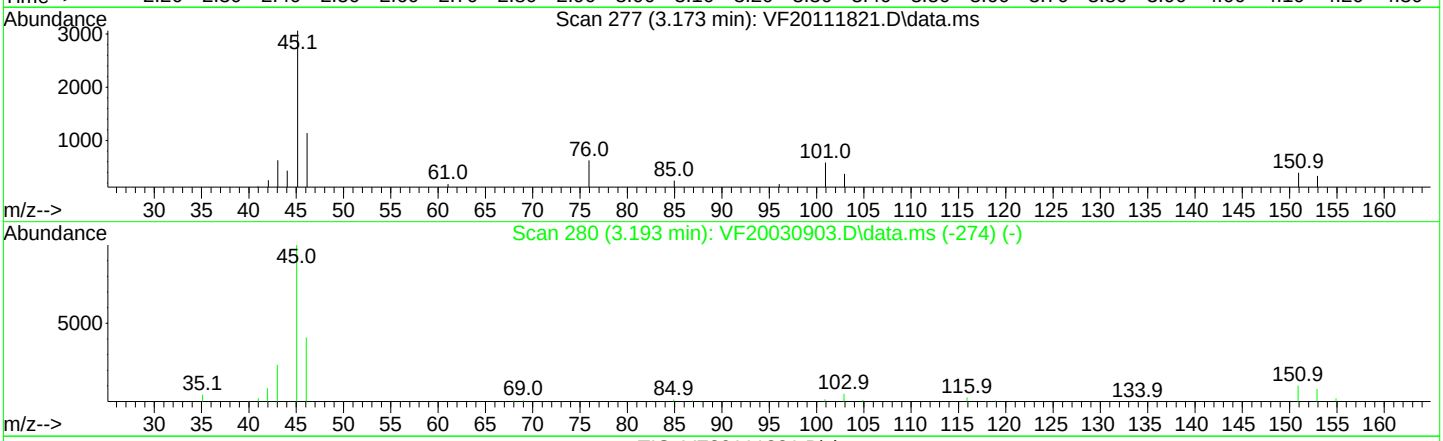
Ion	Exp%	Act%
45.05	100.00	100.00
46.05	47.50	37.21
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111821.D
Acq On : 19 Nov 2020 2:14 am
Operator : TNL
Sample : 0k18062-ICV1
Misc : 1X 5mL 20ppb DI+MeOH
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 19 17:11:19 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration





TIC: VF20111821.D\data.ms

(8) Ethanol

3.173min (-0.023) 1127.38 ug/L m

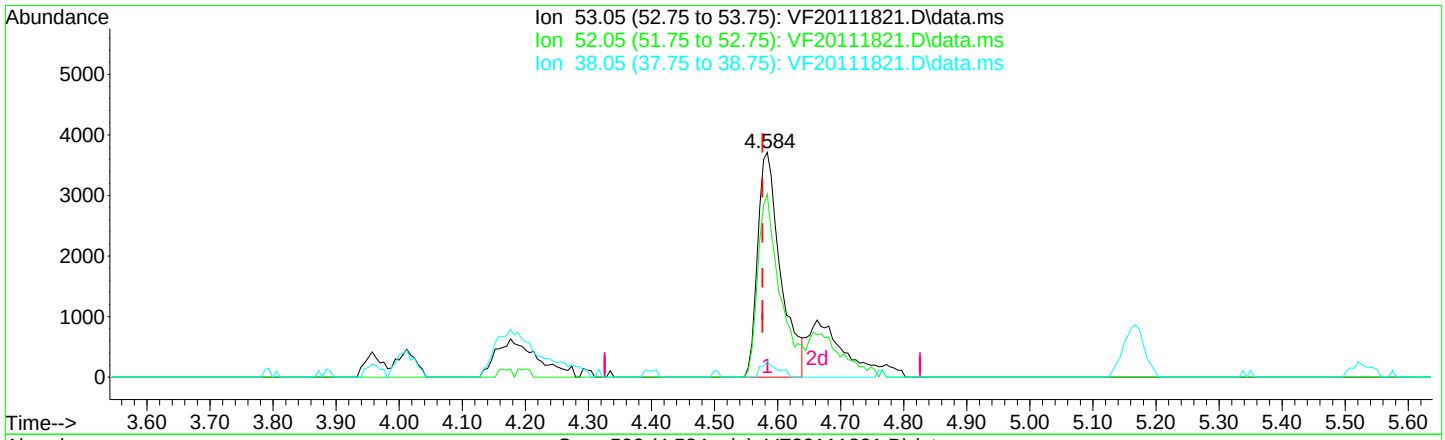
response 19701

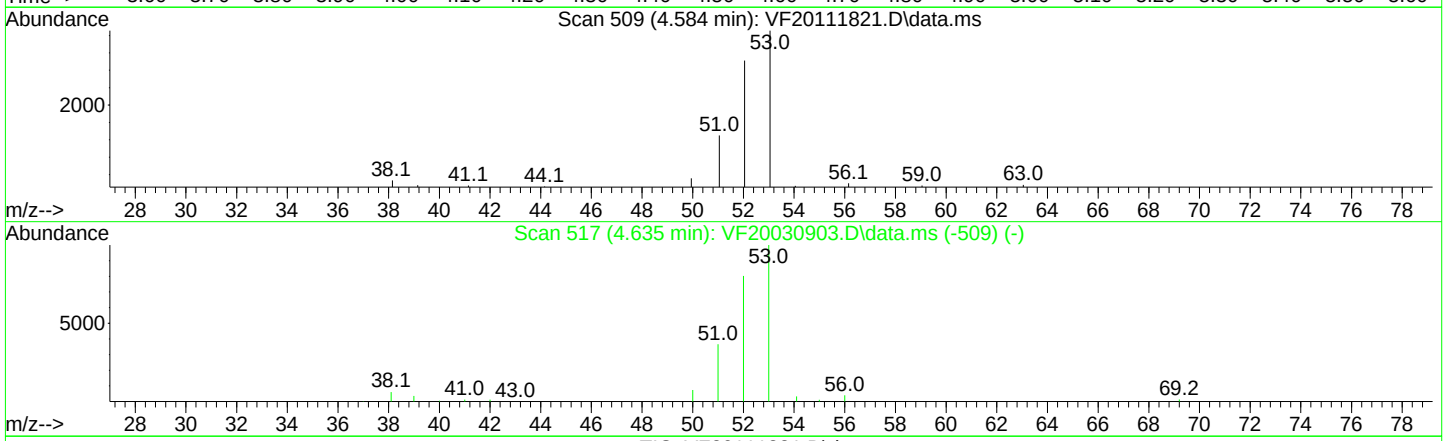
Ion	Exp%	Act%
45.05	100.00	100.00
46.05	47.50	37.21
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111821.D
Acq On : 19 Nov 2020 2:14 am
Operator : TNL
Sample : 0k18062-ICV1
Misc : 1X 5mL 20ppb DI+MeOH
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 19 17:11:19 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration





TIC: VF20111821.D\data.ms

(21) Acrylonitrile

4.584min (+ 0.008) 14.50 ug/L

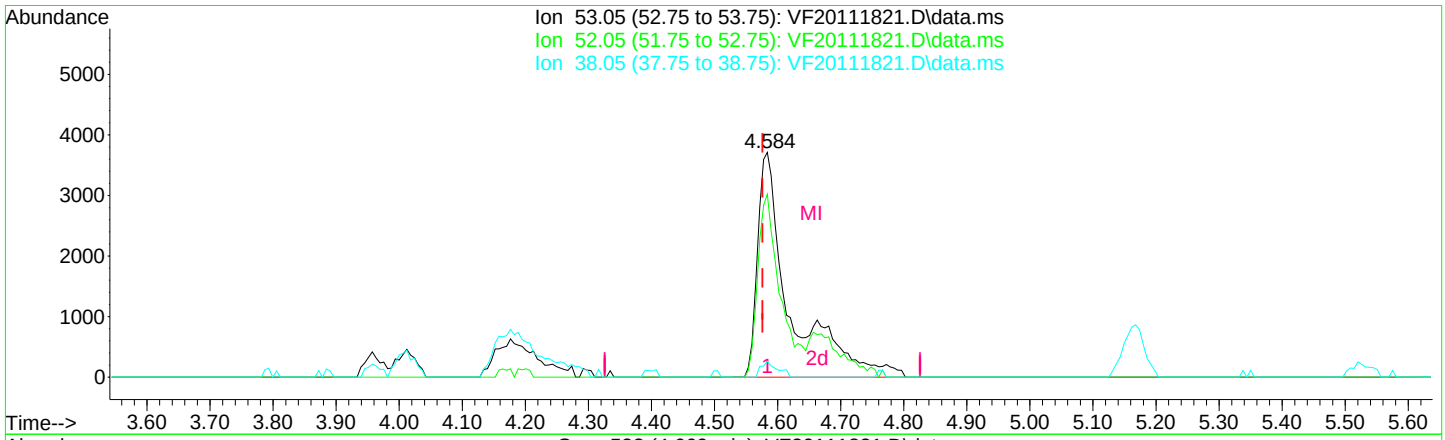
response 9353

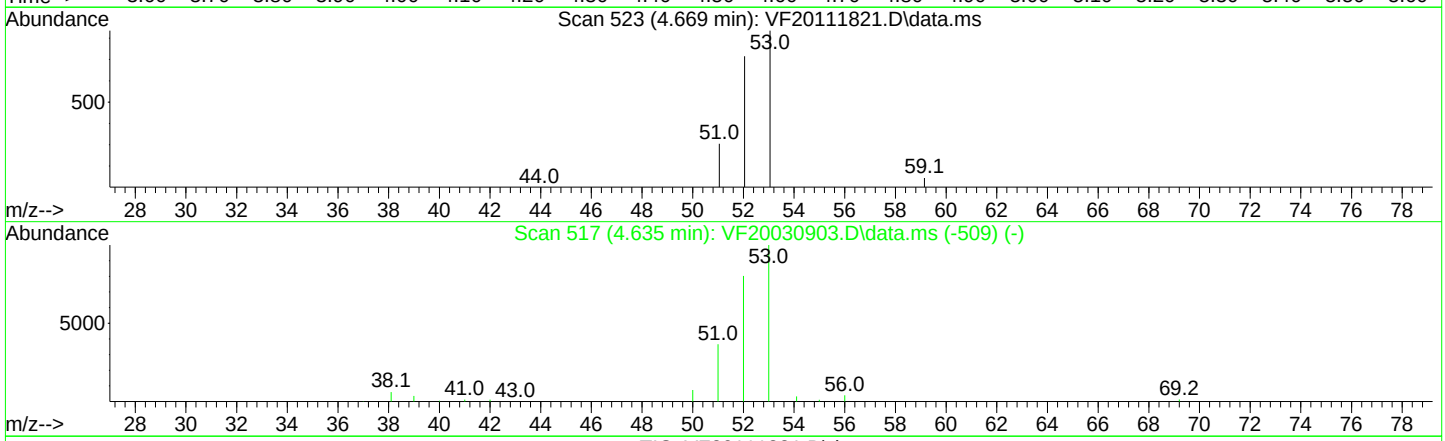
Ion	Exp%	Act%
53.05	100.00	100.00
52.05	80.20	81.41
38.05	6.00	7.14
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111821.D
Acq On : 19 Nov 2020 2:14 am
Operator : TNL
Sample : 0k18062-ICV1
Misc : 1X 5mL 20ppb DI+MeOH
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 19 17:11:19 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration





TIC: VF20111821.D\data.ms

(21) Acrylonitrile

4.584min (+ 0.008) 20.64 ug/L m

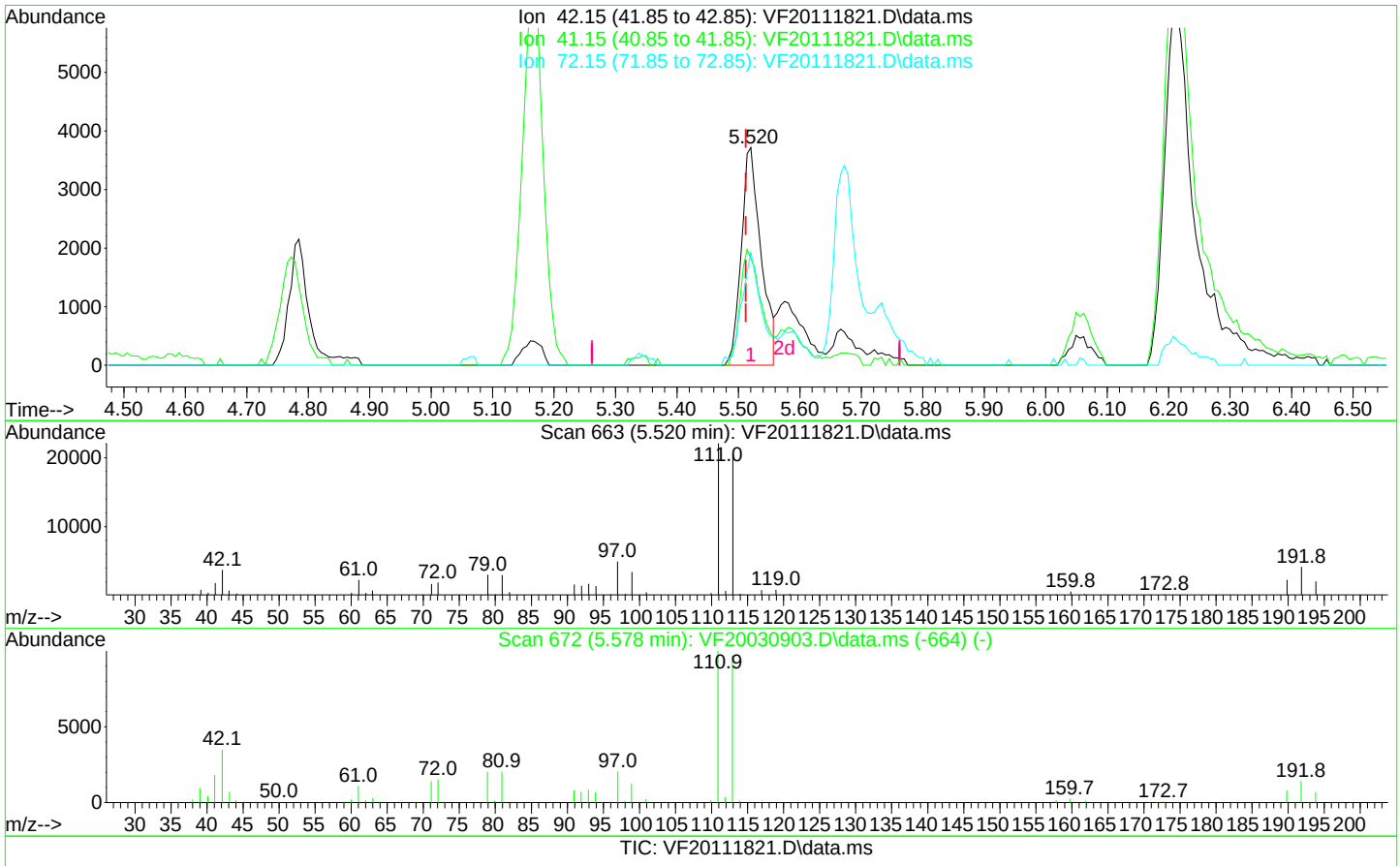
response 13315

Ion	Exp%	Act%
53.05	100.00	100.00
52.05	80.20	81.41
38.05	6.00	7.14
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111821.D
Acq On : 19 Nov 2020 2:14 am
Operator : TNL
Sample : 0k18062-ICV1
Misc : 1X 5mL 20ppb DI+MeOH
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 19 17:11:19 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration



TIC: VF20111821.D\data.ms

(28) Tetrahydrofuran

5.520min (+ 0.008) 13.43 ug/L

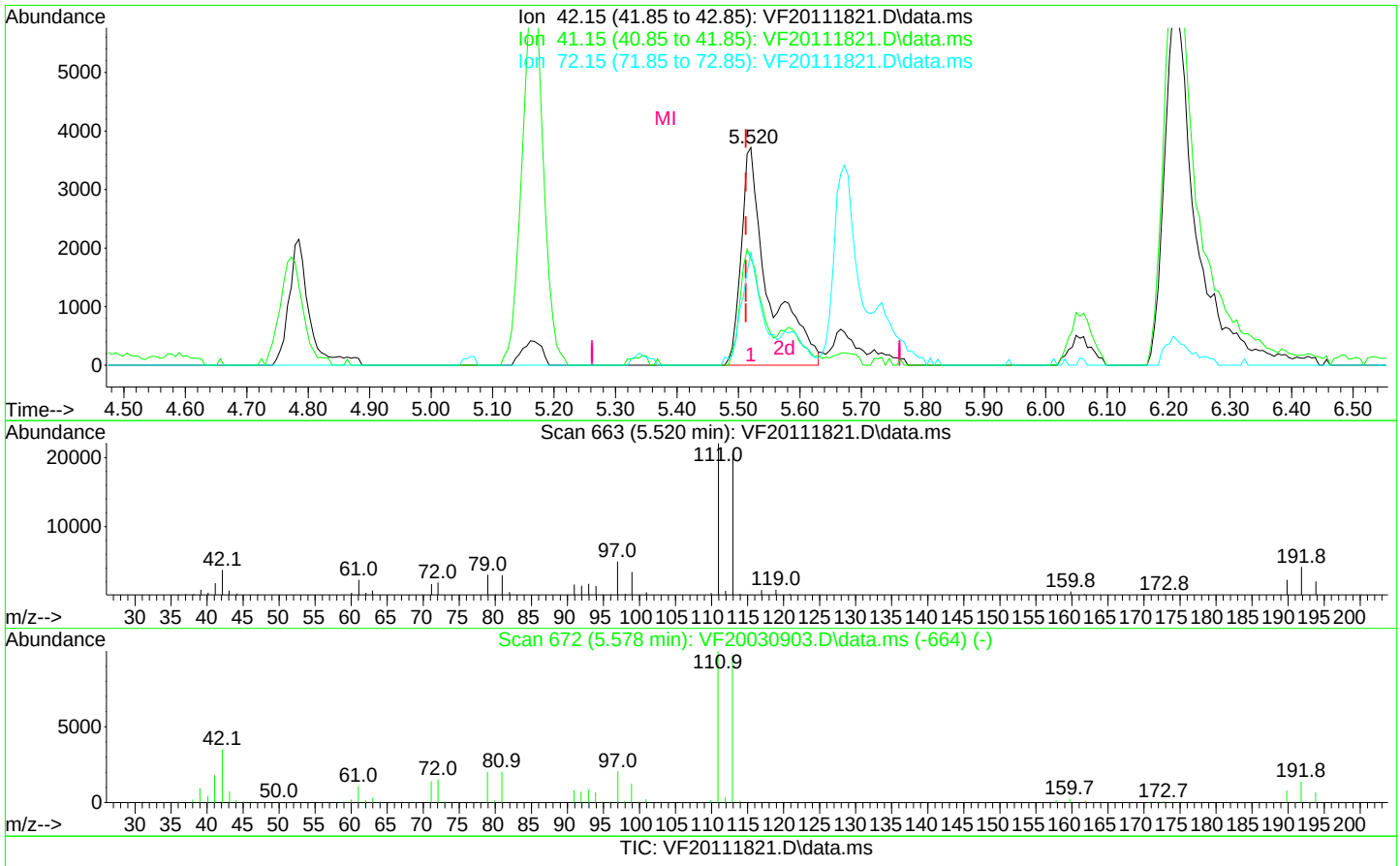
response 8309

Ion	Exp%	Act%
42.15	100.00	100.00
41.15	59.60	48.92
72.15	42.90	51.64
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111821.D
Acq On : 19 Nov 2020 2:14 am
Operator : TNL
Sample : 0k18062-ICV1
Misc : 1X 5mL 20ppb DI+MeOH
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 19 17:11:19 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration



TIC: VF20111821.D\data.ms

(28) Tetrahydrofuran

5.520min (+ 0.008) 18.50 ug/L m

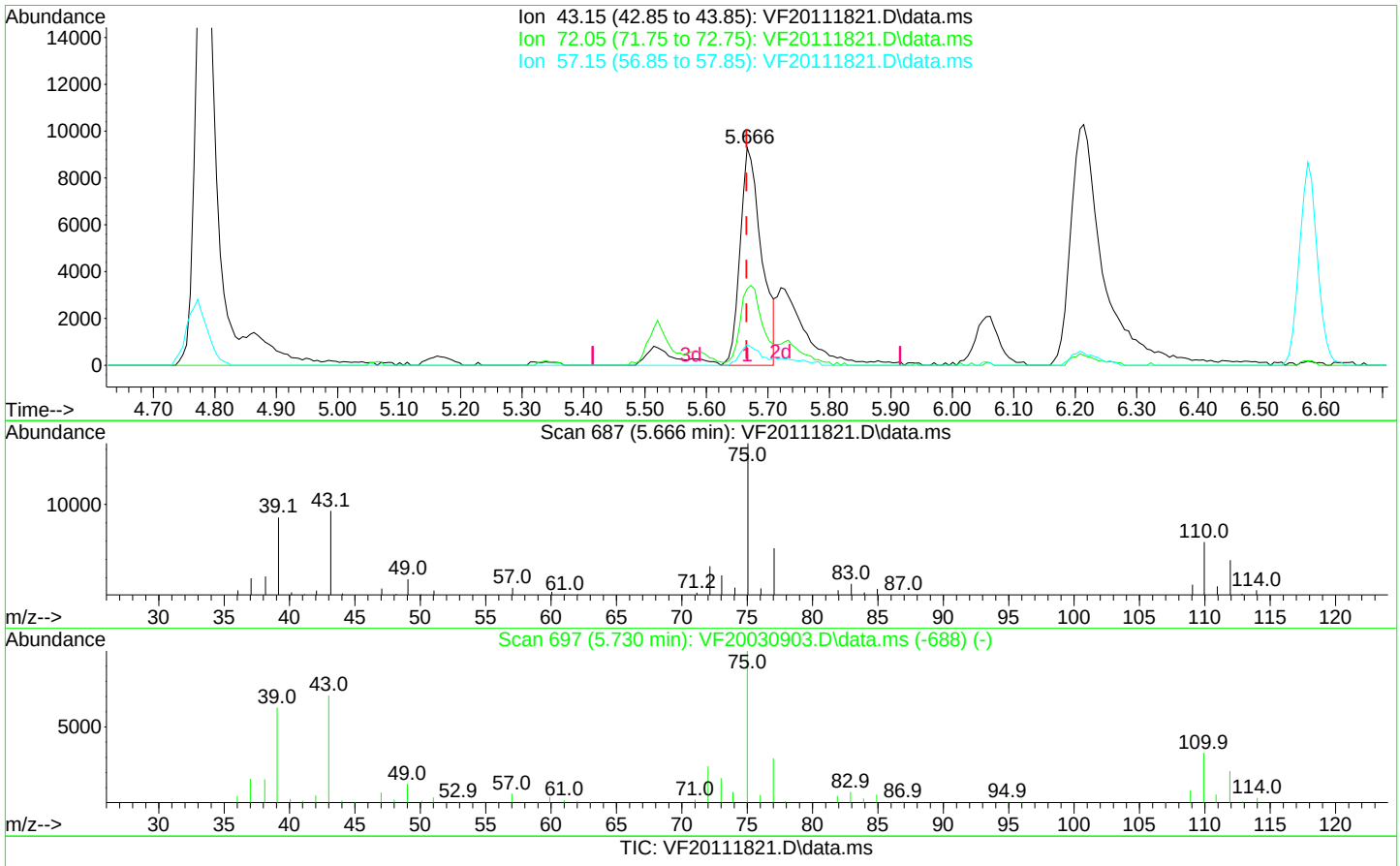
response 11451

Ion	Exp%	Act%
42.15	100.00	100.00
41.15	59.60	48.92
72.15	42.90	51.64
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111821.D
Acq On : 19 Nov 2020 2:14 am
Operator : TNL
Sample : 0k18062-ICV1
Misc : 1X 5mL 20ppb DI+MeOH
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 19 17:11:19 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration



TIC: VF20111821.D\data.ms

(32) 2-Butanone (MEK)

5.666min (+ 0.001) 27.19 ug/L

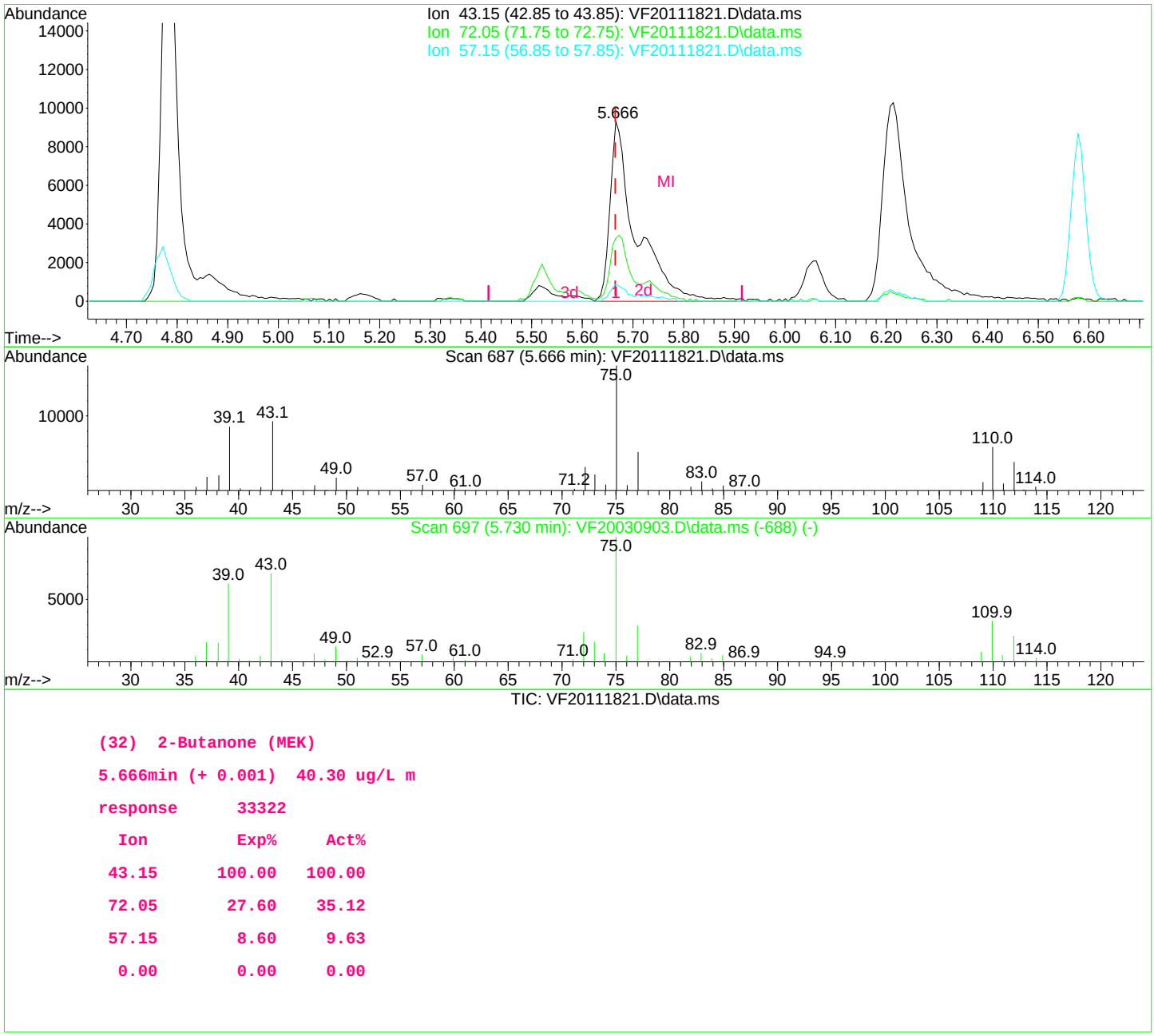
response 22481

Ion	Exp%	Act%
43.15	100.00	100.00
72.05	27.60	35.12
57.15	8.60	9.63
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111821.D
Acq On : 19 Nov 2020 2:14 am
Operator : TNL
Sample : 0k18062-ICV1
Misc : 1X 5mL 20ppb DI+MeOH
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 19 17:11:19 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration



TIC: VF20111821.D\data.ms

(32) 2-Butanone (MEK)

5.666min (+ 0.001) 40.30 ug/L m

response 33322

Ion	Exp%	Act%
43.15	100.00	100.00
72.05	27.60	35.12
57.15	8.60	9.63
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111821.D
Acq On : 19 Nov 2020 2:14 am
Operator : TNL
Sample : 0k18062-ICV1 11/20/20 TNL
Misc : 1X 5mL 20ppb DI+MeOH
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 19 17:17:05 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.019	99	73638	50.00	ug/L		0.00
43) Chlorobenzene-d5 (I)	9.735	117	202330	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.693	152	93625	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.532	111	65744	51.49	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.579	114	227412	50.04	ug/L		0.00
45) Toluene-d8 (S)	8.081	98	289572	49.84	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.811	174	82356	50.56	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.604	85	30361	26.62	ug/L		98
3) Chloromethane	1.811	50	30704	20.46	ug/L		98
4) Vinyl Chloride	1.896	62	21048	21.04	ug/L		100
5) Bromomethane	2.255	96	14326	15.75	ug/L		95
6) Chloroethane	2.382	64	7224	19.31	ug/L		82
7) Trichlorofluoromethane	2.522	101	18338	32.41	ug/L		99
8) Ethanol	3.173	45	19701m	1127.38	ug/L		
9) 1,1-Dichloroethene	3.082	61	34867	19.18	ug/L		88
10) Carbon Disulfide	3.100	76	50605	21.79	ug/L		99
11) Freon 113	3.130	101	24666	21.13	ug/L		84
12) Iodomethane	3.234	142	10579	16.93	ug/L		91
13) Methylene Chloride	3.714	84	26993	18.64	ug/L		93
14) Acetone	3.793	43	13098	28.82	ug/L		96
15) t-1,2-Dichloroethene	3.878	61	38623	19.64	ug/L		96
16) n-Hexane	3.957	86	5653	20.49	ug/L	#	83
17) Methyl-tert-butyl-ether	4.012	73	88091	19.81	ug/L		99
18) tert-Butanol (TBA)	4.170	59	225182	1216.30	ug/L	#	97
19) Diisopropyl ether (DIPE)	4.401	45	20104	4.66	ug/L		96
20) 1,1-Dichloroethane	4.511	63	51892	19.65	ug/L		98
21) Acrylonitrile	4.584	53	13315m	20.64	ug/L		
22) Ethyl-tert-butyl ether...	4.772	59	20700	4.81	ug/L		95
23) c-1,2-Dichloroethene	5.064	61	39470	20.67	ug/L		97
24) 2,2-Dichloropropane	5.168	77	24402	19.07	ug/L		96
25) Bromochloromethane	5.265	49	19564	19.12	ug/L		86
26) Chloroform	5.350	83	51356	19.87	ug/L		98
27) Carbon Tetrachloride	5.472	117	28288	20.84	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111821.D
Acq On : 19 Nov 2020 2:14 am
Operator : TNL
Sample : 0k18062-ICV1
Misc : 1X 5mL 20ppb DI+MeOH
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 19 17:17:05 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
28) Tetrahydrofuran	5.520	42	11451m	18.50	ug/L		
29) 1,1,1-Trichloroethane	5.545	97	40942	20.87	ug/L		97
31) 1,1-Dichloropropene	5.672	75	40272	20.16	ug/L		99
32) 2-Butanone (MEK)	5.666	43	33322m	40.30	ug/L		
33) Benzene	5.928	78	132731	19.60	ug/L		99
34) tert-Amyl methyl ether...	6.056	73	18393	4.74	ug/L		96
35) 1,2-Dichloroethane (EDC)	6.141	62	40648	19.21	ug/L		99
36) iso-Butyl Alcohol	6.214	43	38114	473.19	ug/L		94
38) Trichloroethene (TCE)	6.548	130	32512	20.91	ug/L		99
39) tert-Amyl ethyl ether ...	6.797	59	14015	5.12	ug/L		95
40) Dibromomethane	6.998	93	17858	19.63	ug/L		89
41) 1,2-Dichloropropane	7.101	63	31983	19.83	ug/L		95
42) Bromodichloromethane	7.181	83	32281	21.71	ug/L		98
44) c-1,3-Dichloropropene	7.880	75	40807	19.25	ug/L		96
46) Toluene	8.141	91	139049	19.01	ug/L		99
47) Tetrachloroethene (PCE)	8.591	166	30178	20.93	ug/L		98
48) 4-Methyl-2-Pentanone (...	8.591	43	65657	40.38	ug/L		95
49) t-1,3-Dichloropropene	8.634	75	36361	19.02	ug/L		97
50) 1,1,2-Trichloroethane	8.810	97	29974	20.42	ug/L		94
51) Dibromochloromethane	8.999	129	23266	19.26	ug/L		99
52) 1,3-Dichloropropane	9.096	76	53891	20.17	ug/L		96
53) 1,2-Dibromoethane (EDB)	9.236	107	29734	20.87	ug/L		98
54) 2-Hexanone	9.473	43	42681	38.80	ug/L		96
55) Chlorobenzene	9.753	112	86801	19.81	ug/L		99
56) Ethylbenzene	9.777	91	142209	21.10	ug/L		98
57) 1,1,1,2-Tetrachloroethane	9.814	131	25788	20.04	ug/L		96
58) m,p-Xylenes (2)	9.917	91	209075	42.52	ug/L		97
59) o-Xylene	10.300	91	104613	21.78	ug/L		98
60) Styrene	10.349	104	81860	22.04	ug/L		99
61) Bromoform	10.373	173	15231	18.70	ug/L		99
62) Isopropylbenzene	10.568	105	122782	22.07	ug/L		99
65) Bromobenzene	10.896	156	32877	21.03	ug/L		94
66) n-Propylbenzene	10.914	91	138169	20.66	ug/L		97
67) 1,1,2,2-Tetrachloroethane	10.981	83	38079	19.98	ug/L		99
68) 2-Chlorotoluene	11.042	126	28848	21.45	ug/L	#	85
69) 1,3,5-Trimethylbenzene	11.073	105	95224	22.26	ug/L		98
70) 1,2,3-Trichloropropane	11.085	110	13299	20.17	ug/L	#	79
71) t-1,4-Dichloro-2-butene	11.121	88	3567	18.64	ug/L	#	90

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111821.D
Acq On : 19 Nov 2020 2:14 am
Operator : TNL
Sample : 0k18062-ICV1
Misc : 1X 5mL 20ppb DI+MeOH
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 19 17:17:05 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration

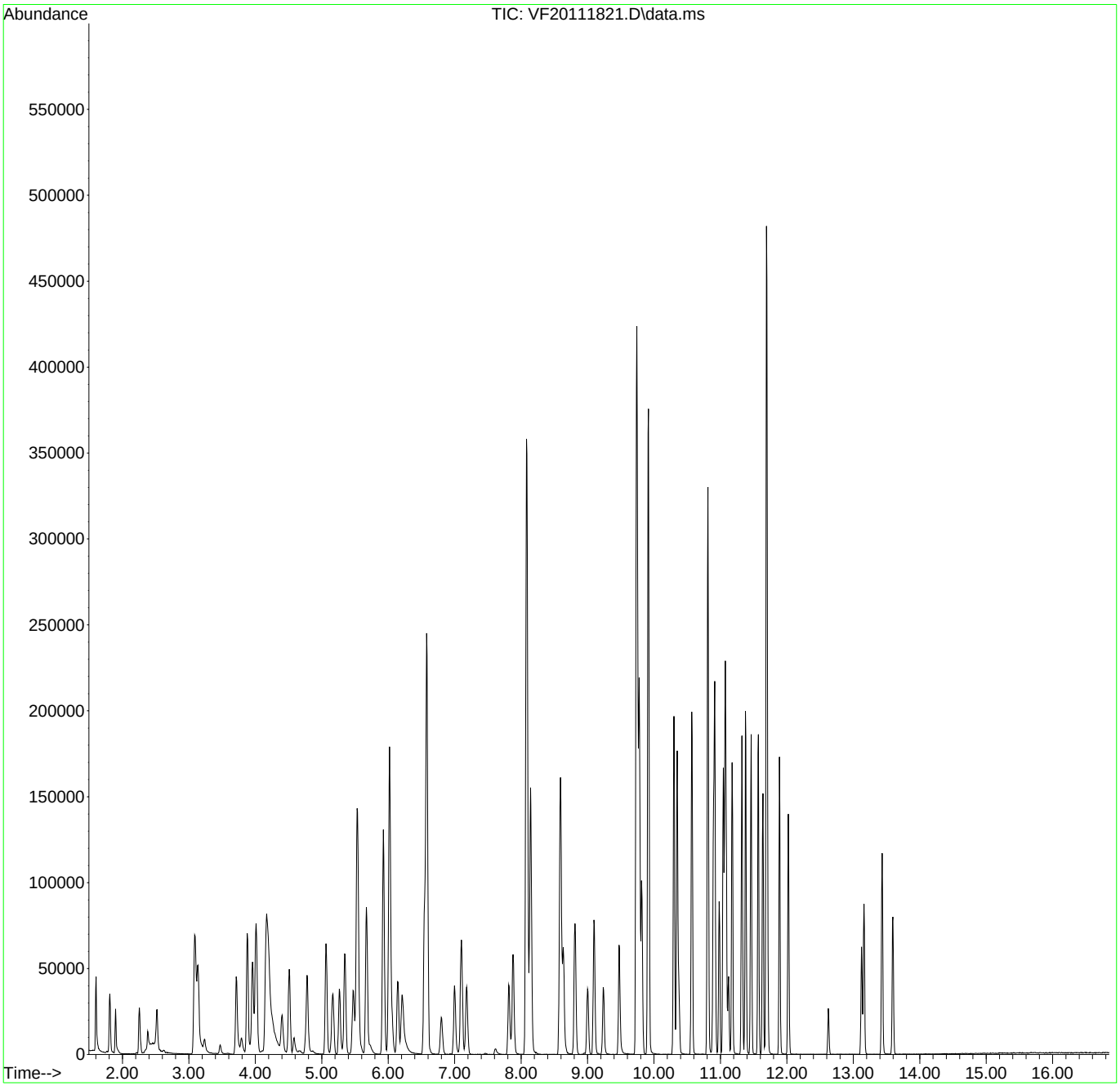
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 4-Chlorotoluene	11.176	91	85701	21.32	ug/L	99
73) tert-Butylbenzene	11.322	91	51301	21.37	ug/L	94
74) 1,2,4-Trimethylbenzene	11.377	105	96190	21.90	ug/L	99
75) sec-Butylbenzene	11.462	105	111502	21.90	ug/L	97
76) 4-Isopropyltoluene	11.571	119	92442	22.02	ug/L	97
77) 1,3-Dichlorobenzene	11.638	146	54394	21.86	ug/L	99
78) 1,4-Dichlorobenzene	11.705	146	55627	19.98	ug/L	99
79) n-Butylbenzene	11.887	91	76922	21.90	ug/L	97
80) 1,2-Dichlorobenzene	12.021	146	49603	20.95	ug/L	95
81) 1,2-Dibromo-3-Chloropr...	12.629	157	6554	19.82	ug/L	91
82) Hexachlorobutadiene	13.128	223	7245	22.32	ug/L	97
83) 1,2,4-Trichlorobenzene	13.159	180	26368	21.02	ug/L	99
84) Naphthalene	13.432	128	85382	19.97	ug/L	98
85) 1,2,3-Trichlorobenzene	13.596	180	25149	21.57	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111821.D
Acq On : 19 Nov 2020 2:14 am
Operator : TNL
Sample : 0k18062-ICV1
Misc : 1X 5mL 20ppb DI+MeOH
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 19 17:17:05 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111822.D
Acq On : 19 Nov 2020 2:41 am
Operator : TNL
Sample : 0k18062-IBL8
Misc : 1X 5mL DI+MeOH
ALS Vial : 22 Sample Multiplier: 1

11/20/20 TNL

Quant Time: Nov 19 17:11:25 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.018	99	67739	50.00	ug/L		0.00
43) Chlorobenzene-d5 (I)	9.740	117	185908	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.692	152	82001	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.537	111	58093	49.46	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.583	114	212658	50.87	ug/L		0.00
45) Toluene-d8 (S)	8.085	98	267085	50.03	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.810	174	72790	51.02	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.603	85	169	0.16	ug/L	#	50
3) Chloromethane	1.810	50	153	0.11	ug/L	#	48
5) Bromomethane	2.266	96	269	0.32	ug/L		83
10) Carbon Disulfide	3.105	76	682	0.32	ug/L		77
11) Freon 113	3.135	101	198	0.18	ug/L	#	9
12) Iodomethane	3.239	142	163	4.48	ug/L	#	47
13) Methylene Chloride	3.719	84	866	0.65	ug/L		96
46) Toluene	8.152	91	757	0.11	ug/L		92
47) Tetrachloroethene (PCE)	8.596	166	250	0.19	ug/L	#	55
55) Chlorobenzene	9.752	112	465	0.12	ug/L	#	1
56) Ethylbenzene	9.788	91	839	0.14	ug/L		94
58) m,p-Xylenes (2)	9.922	91	1404	0.31	ug/L		92
59) o-Xylene	10.305	91	570	0.13	ug/L		89
62) Isopropylbenzene	10.573	105	926	0.18	ug/L		94
65) Bromobenzene	10.901	156	133	0.10	ug/L		88
66) n-Propylbenzene	10.925	91	1795	0.31	ug/L		89
68) 2-Chlorotoluene	11.053	126	247	0.21	ug/L	#	69
69) 1,3,5-Trimethylbenzene	11.071	105	1185	0.32	ug/L		95
72) 4-Chlorotoluene	11.187	91	857	0.24	ug/L		83
73) tert-Butylbenzene	11.327	91	810	0.39	ug/L		83
74) 1,2,4-Trimethylbenzene	11.382	105	1085	0.28	ug/L		89
75) sec-Butylbenzene	11.461	105	2265	0.51	ug/L		96
76) 4-Isopropyltoluene	11.570	119	1806	0.49	ug/L		95
77) 1,3-Dichlorobenzene	11.643	146	775	0.36	ug/L		98
78) 1,4-Dichlorobenzene	11.704	146	914	0.37	ug/L	#	71
79) n-Butylbenzene	11.892	91	2193	0.71	ug/L		93

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111822.D
Acq On : 19 Nov 2020 2:41 am
Operator : TNL
Sample : 0k18062-IBL8
Misc : 1X 5mL DI+MeOH
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Nov 19 17:11:25 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration

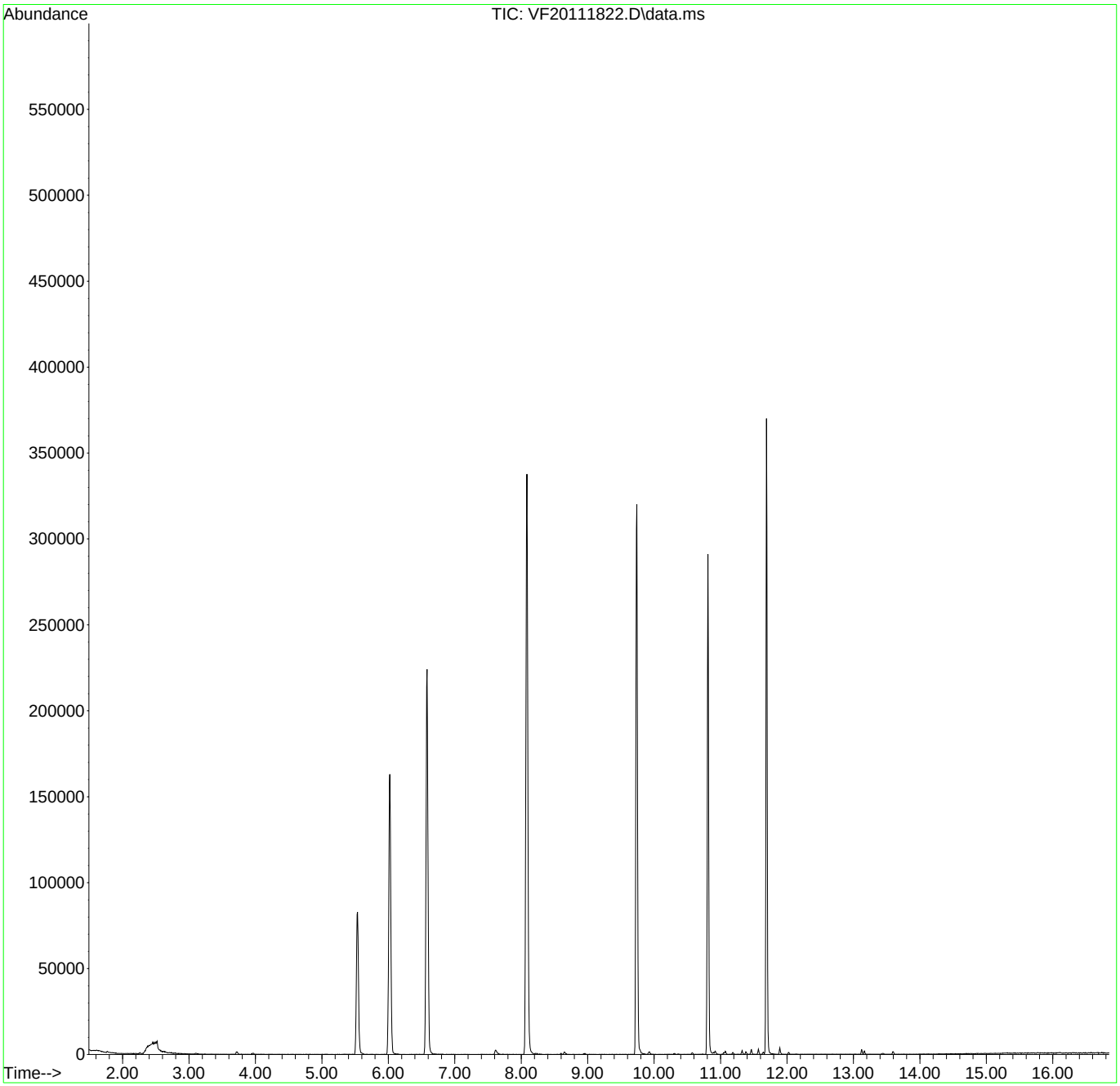
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) 1,2-Dichlorobenzene	12.026	146	560	0.27	ug/L	93
82) Hexachlorobutadiene	13.127	223	363	1.28	ug/L	95
83) 1,2,4-Trichlorobenzene	13.163	180	775	0.71	ug/L	85
84) Naphthalene	13.437	128	828	0.43	ug/L	78
85) 1,2,3-Trichlorobenzene	13.595	180	736	0.72	ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111822.D
Acq On : 19 Nov 2020 2:41 am
Operator : TNL
Sample : 0k18062-IBL8
Misc : 1X 5mL DI+MeOH
ALS Vial : 22 Sample Multiplier: 1

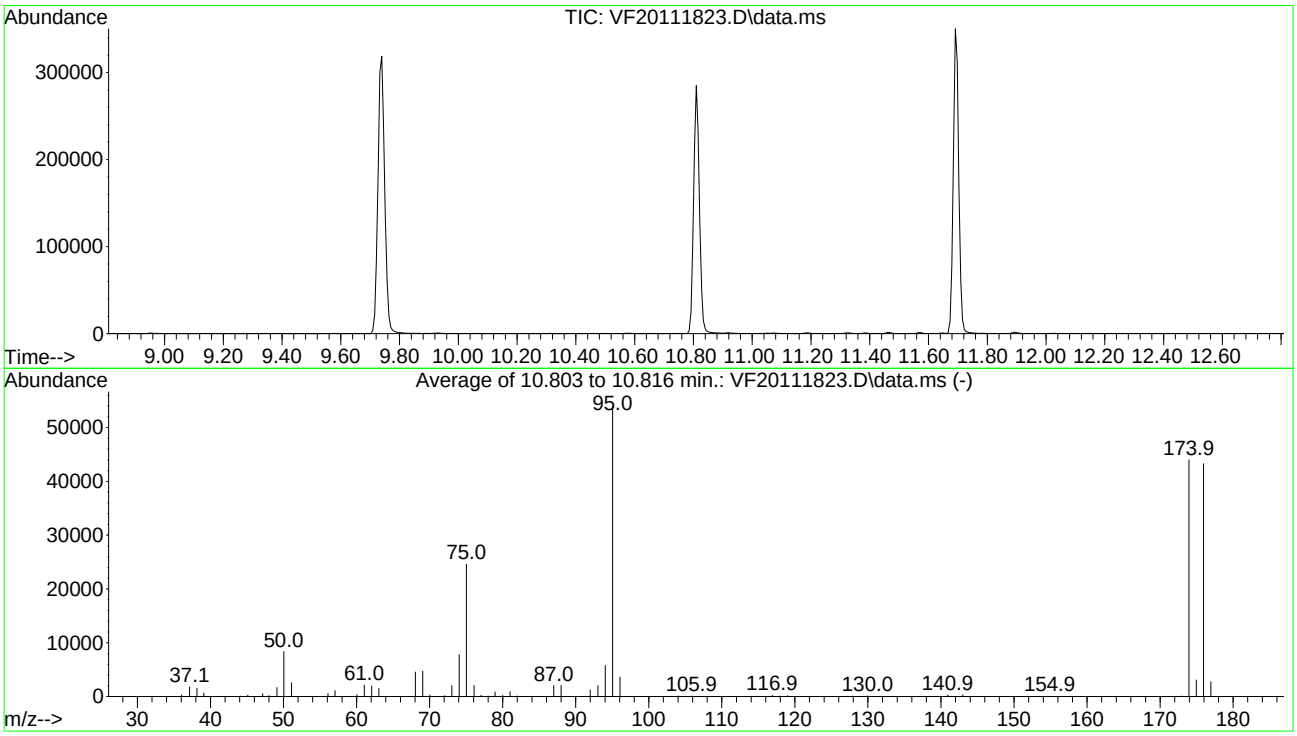
Quant Time: Nov 19 17:11:25 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration



Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111823.D
Acq On : 19 Nov 2020 3:08 am
Operator : TNL
Sample : 0k18062-TUN2
Misc : A20G253 IS/SURR DI+MeOH 11/20/20 TNL
ALS Vial : 23 Sample Multiplier: 1

Integration File: RTEINT.P

Method : Y:\METHODS\VF201119S.M
Title : EPA 8260: Volatile Organic Compounds
Last Update : Thu Nov 19 16:36:27 2020



AutoFind: Scans 1532, 1533, 1534; Background Corrected with Scan 1526

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	174	50	200	122.6	53981	PASS
96	95	5	9	6.8	3675	PASS
173	174	0.00	2	0.4	182	PASS
174	95	50	200	81.6	44043	PASS
175	174	5	9	7.1	3145	PASS
176	174	95	105	98.4	43325	PASS
177	176	5	10	6.5	2808	PASS

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111823.D
Acq On : 19 Nov 2020 3:08 am
Operator : TNL
Sample : 0k18062-TUN2
Misc : A20G253 IS/SURR DI+MeOH
ALS Vial : 23 Sample Multiplier: 1

11/20/20 TNL

Quant Time: Nov 19 17:11:31 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration

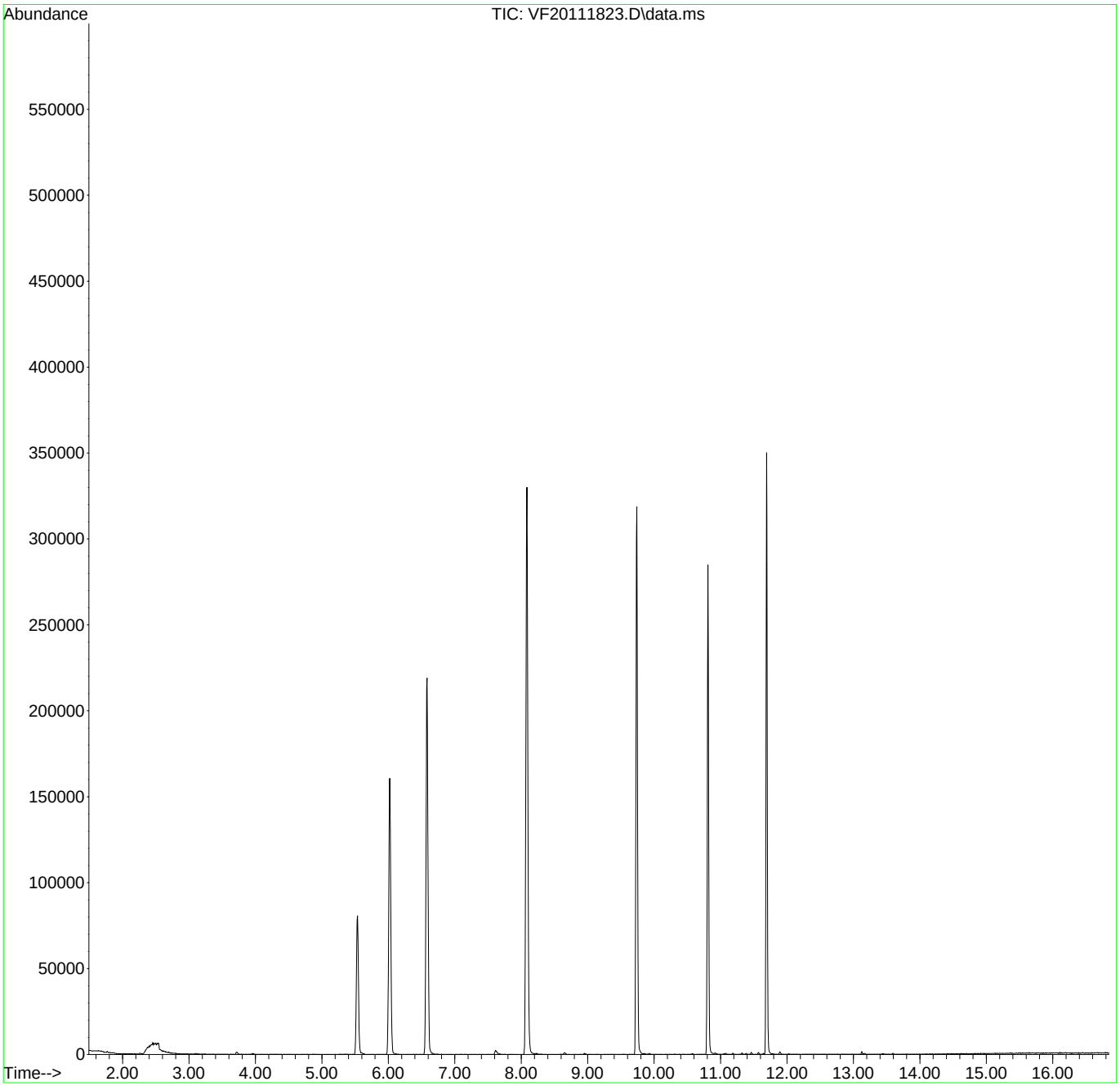
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene (I)	6.017	99	67622	50.00	ug/L		0.00
43) Chlorobenzene-d5 (I)	9.739	117	181793	50.00	ug/L		0.00
63) 1,4-Dichlorobenzene-d4...	11.691	152	79777	50.00	ug/L		0.00
System Monitoring Compounds							
30) Dibromofluoromethane (S)	5.537	111	55355	47.21	ug/L		0.00
37) 1,4-Difluorobenzene (S)	6.583	114	208332	49.92	ug/L		0.00
45) Toluene-d8 (S)	8.085	98	261771	50.15	ug/L		0.00
64) 4-Bromofluorobenzene (S)	10.810	174	71444	51.47	ug/L		0.00
Target Compounds							Qvalue
3) Chloromethane	1.815	50	208	0.15	ug/L	#	48
5) Bromomethane	2.259	96	331	0.40	ug/L		84
10) Carbon Disulfide	3.098	76	384	0.18	ug/L		77
12) Iodomethane	3.238	142	205	4.54	ug/L	#	47
13) Methylene Chloride	3.725	84	818	0.62	ug/L	#	78
47) Tetrachloroethene (PCE)	8.602	166	135	0.10	ug/L	#	24
58) m,p-Xylenes (2)	9.934	91	658	0.15	ug/L		86
62) Isopropylbenzene	10.578	105	458	0.09	ug/L		79
66) n-Propylbenzene	10.925	91	866	0.15	ug/L		91
69) 1,3,5-Trimethylbenzene	11.077	105	480	0.13	ug/L		91
72) 4-Chlorotoluene	11.181	91	374	0.11	ug/L		76
73) tert-Butylbenzene	11.320	91	335	0.16	ug/L		91
74) 1,2,4-Trimethylbenzene	11.387	105	432	0.12	ug/L		85
75) sec-Butylbenzene	11.466	105	973	0.22	ug/L		92
76) 4-Isopropyltoluene	11.570	119	853	0.24	ug/L		91
77) 1,3-Dichlorobenzene	11.649	146	319	0.15	ug/L		98
78) 1,4-Dichlorobenzene	11.704	146	455	0.19	ug/L	#	43
79) n-Butylbenzene	11.892	91	1095	0.37	ug/L		94
80) 1,2-Dichlorobenzene	12.026	146	203	0.10	ug/L	#	69
82) Hexachlorobutadiene	13.120	223	252	0.91	ug/L		89
83) 1,2,4-Trichlorobenzene	13.163	180	397	0.37	ug/L		77
84) Naphthalene	13.431	128	256	0.28	ug/L		78
85) 1,2,3-Trichlorobenzene	13.589	180	392	0.39	ug/L	#	57

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111823.D
Acq On : 19 Nov 2020 3:08 am
Operator : TNL
Sample : 0k18062-TUN2
Misc : A20G253 IS/SURR DI+MeOH
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Nov 19 17:11:31 2020
Quant Method : Y:\METHODS\VF201119S.M
Quant Title : EPA 8260: Volatile Organic Compounds
QLast Update : Thu Nov 19 16:36:27 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111824.D
Acq On : 19 Nov 2020 3:35 am
Operator : TNL
Sample : 0k18062-ICB2
Misc : 1X 5mL DI+MeOH 11/20/20 TNL
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Nov 19 17:19:21 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Nov 19 14:37:04 2020
Response via : Initial Calibration

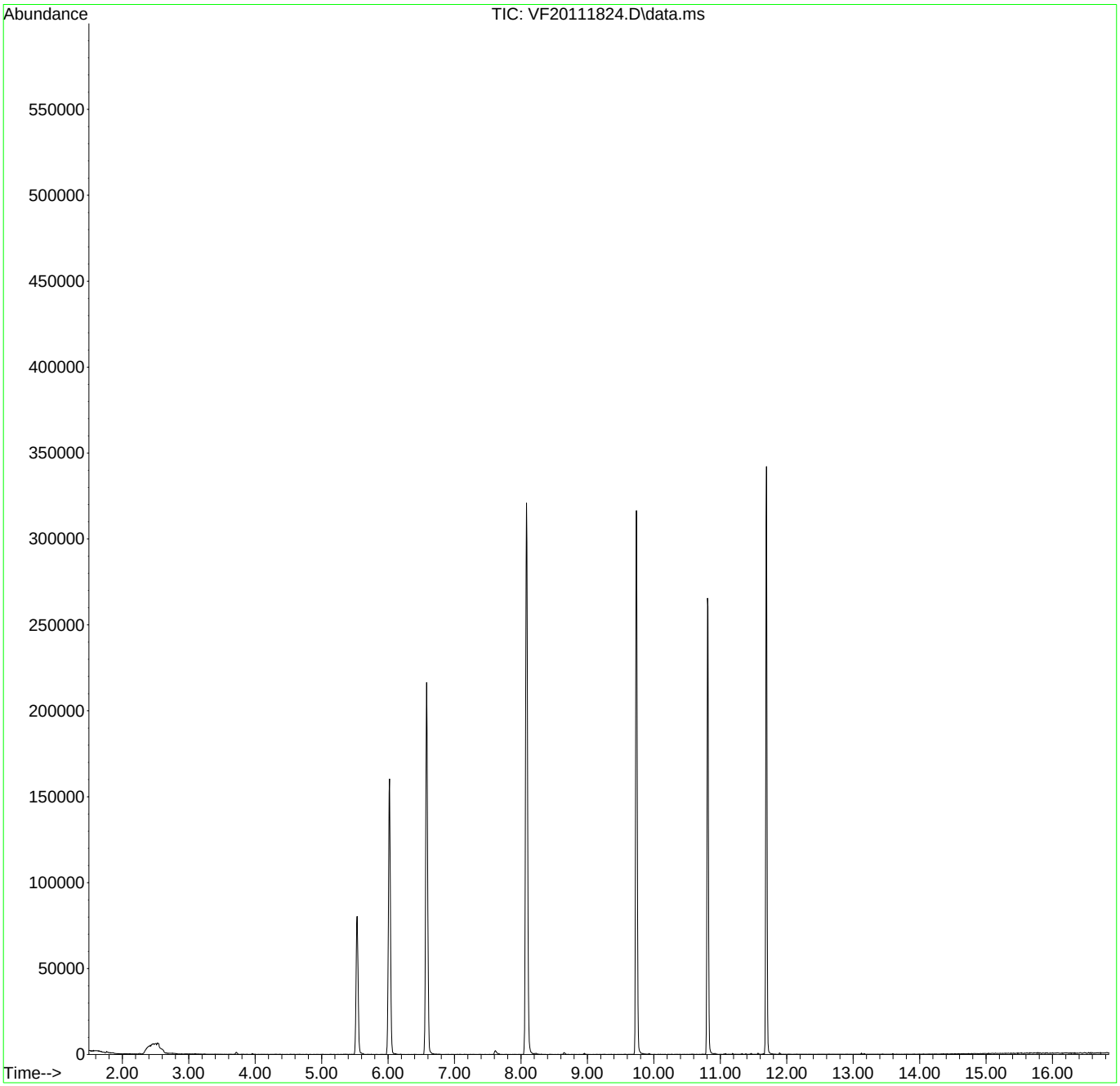
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.021	168	126601	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.581	TIC	443213	47.91	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.807	TIC	377823	48.92	ug/L	0.00
4) Chlorobenzene-d5 (NR)	9.737	TIC	496862	0.00	ug/L	0.00
10) Toluene-d8 (NR)	8.083	TIC	652639	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.695	TIC	437151	0.00	ug/L	0.00
Target Compounds						Qvalue
5) NWTPH-Gx	9.745	TIC	7412m	31.75	ug/L	
6) TPHg (C5-C9)	9.745	TIC	197893m	19.59	ug/L	
7) TPHg (C6-C10)	9.745	TIC	174298m	25.82	ug/L	
8) CA-LUFT (C5-C12)	9.745	TIC	199134m	25.56	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111824.D
Acq On : 19 Nov 2020 3:35 am
Operator : TNL
Sample : 0k18062-ICB2
Misc : 1X 5mL DI+MeOH
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Nov 19 17:19:21 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Nov 19 14:37:04 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111825.D
Acq On : 19 Nov 2020 4:02 am
Operator : TNL
Sample : 0k18062-RT1
Misc : 1X 5mL A20I121 DI+MeOH 11/20/20 TNL
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 19 17:19:33 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Nov 19 14:37:04 2020
Response via : Initial Calibration

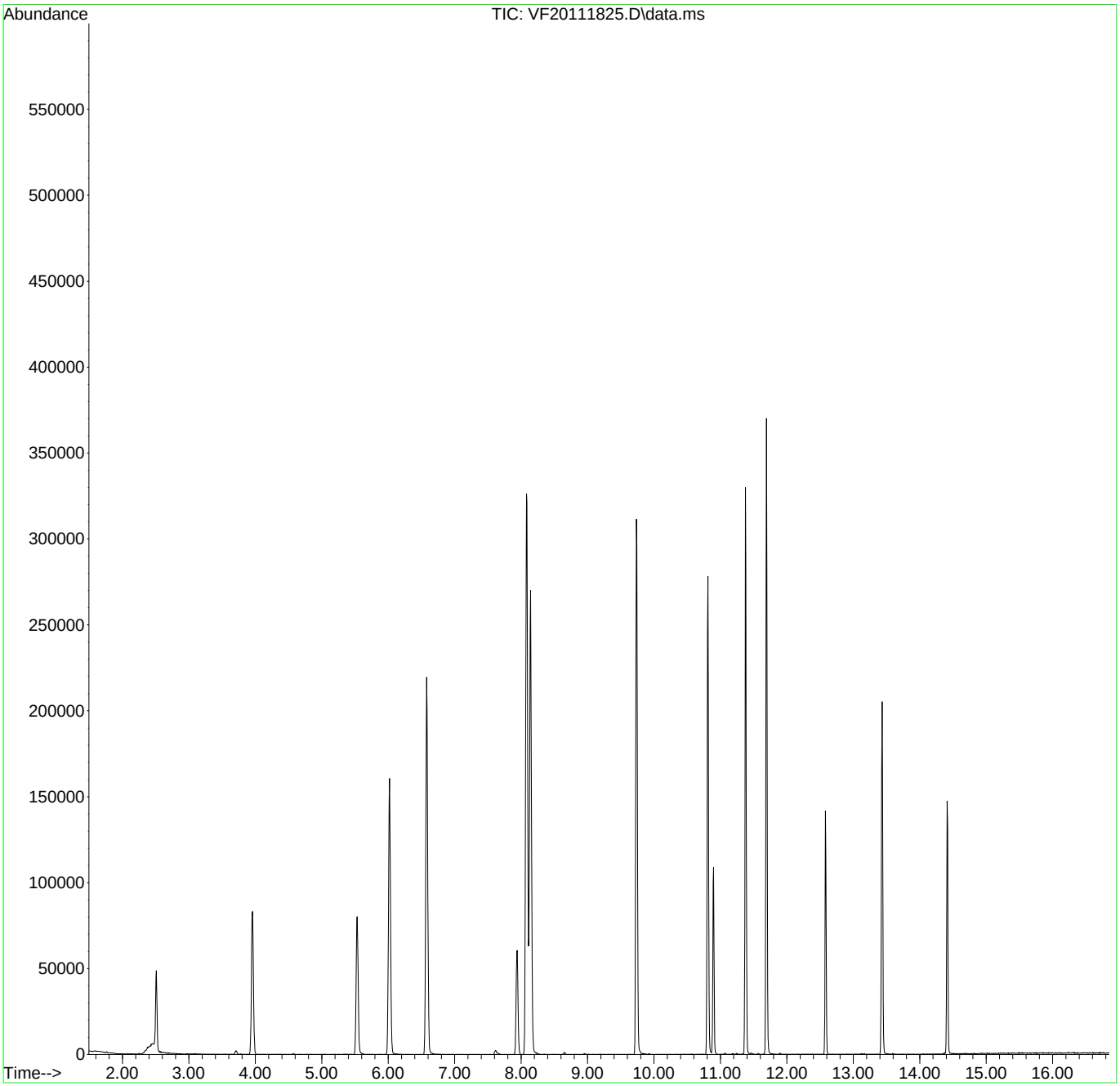
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.019	168	126669	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.579	TIC	444312	48.01	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.811	TIC	387015	50.09	ug/L	0.00
4) Chlorobenzene-d5 (NR)	9.735	TIC	504392	0.00	ug/L	0.00
10) Toluene-d8 (NR)	8.081	TIC	667899	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.693	TIC	459579	0.00	ug/L	0.00
Target Compounds						Qvalue
5) NWTPH-Gx	9.745	TIC	1661164m	424.52	ug/L	
6) TPHg (C5-C9)	9.745	TIC	1140871m	220.80	ug/L	
7) TPHg (C6-C10)	9.745	TIC	1017517m	230.24	ug/L	
8) CA-LUFT (C5-C12)	9.745	TIC	1845091m	308.57	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111825.D
Acq On : 19 Nov 2020 4:02 am
Operator : TNL
Sample : 0k18062-RT1
Misc : 1X 5mL A20I121 DI+MeOH
ALS Vial : 25 Sample Multiplier: 1

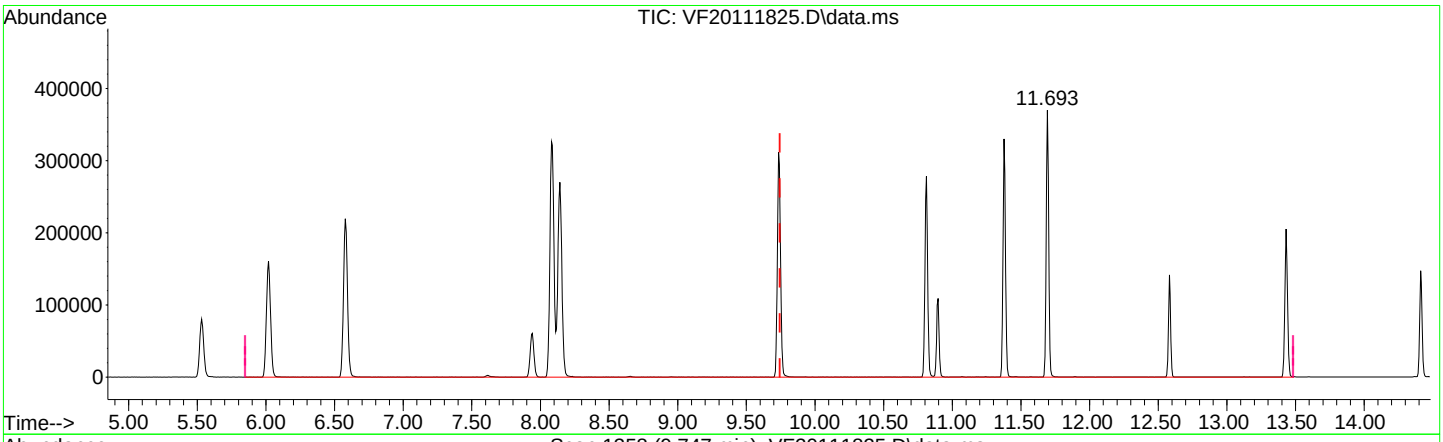
Quant Time: Nov 19 17:19:33 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Nov 19 14:37:04 2020
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111825.D
Acq On : 19 Nov 2020 4:02 am
Operator : TNL
Sample : 0k18062-RT1
Misc : 1X 5mL A20I121 DI+MeOH
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 19 17:19:33 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Nov 19 14:37:04 2020
Response via : Initial Calibration



TIC: VF20111825.D\data.ms

(5) NWTPH-Gx (H)

9.745min (0.000) 424.52 ug/L m

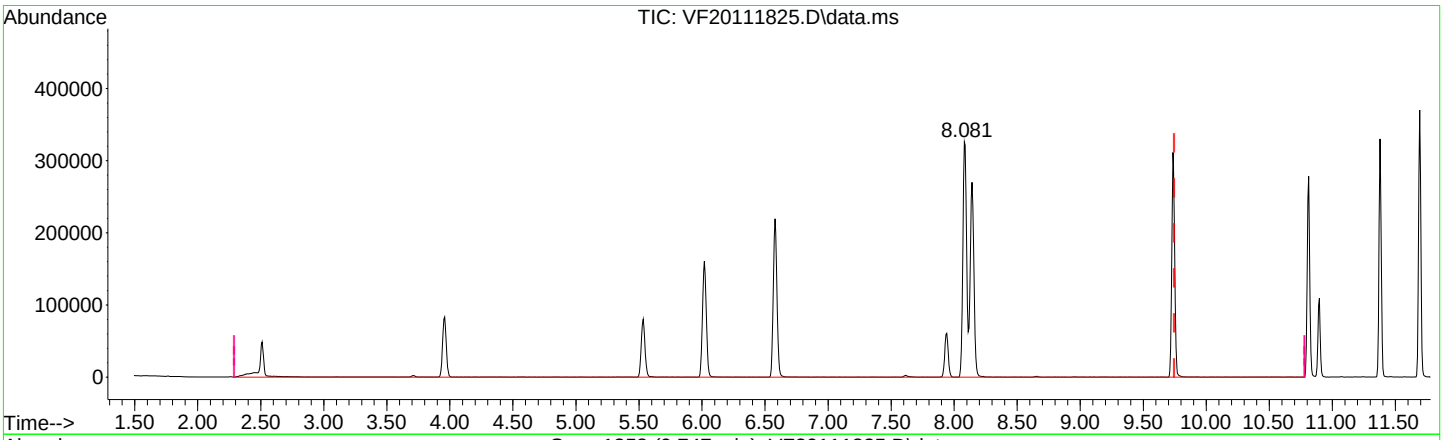
response 1661164

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.72#
0.00	0.00	0.49#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111825.D
Acq On : 19 Nov 2020 4:02 am
Operator : TNL
Sample : 0k18062-RT1
Misc : 1X 5mL A20I121 DI+MeOH
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 19 17:19:33 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Nov 19 14:37:04 2020
Response via : Initial Calibration



TIC: VF20111825.D\data.ms

(6) TPHg (C5-C9) (H)

9.745min (0.000) 220.80 ug/L m

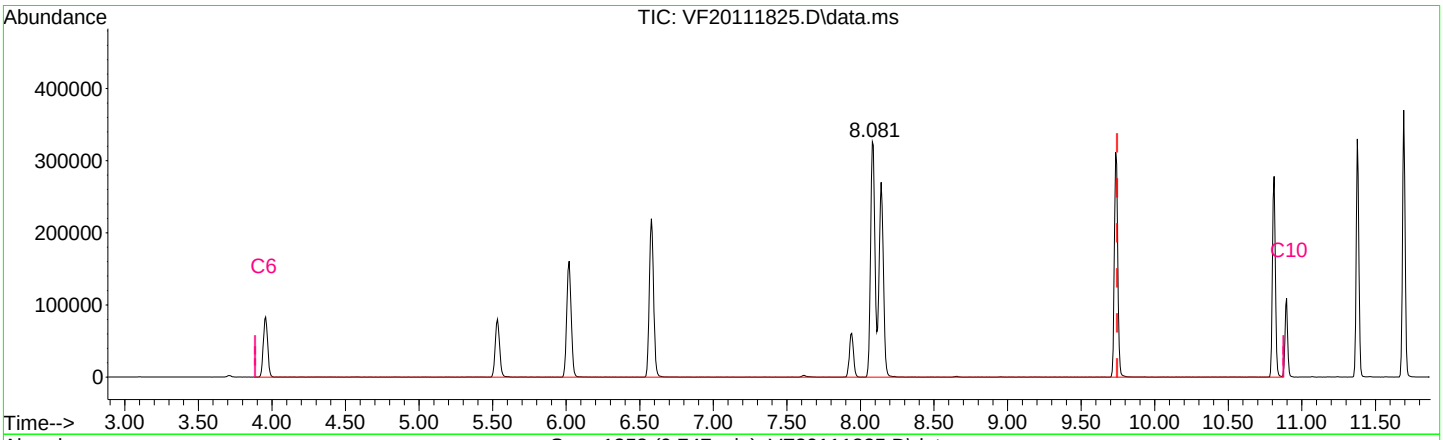
response 1140871

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	1.05#
0.00	0.00	0.72#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111825.D
Acq On : 19 Nov 2020 4:02 am
Operator : TNL
Sample : 0k18062-RT1
Misc : 1X 5mL A20I121 DI+MeOH
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 19 17:19:33 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Nov 19 14:37:04 2020
Response via : Initial Calibration



TIC: VF20111825.D\data.ms

(7) TPHg (C6-C10) (H)

9.745min (0.000) 230.24 ug/L m

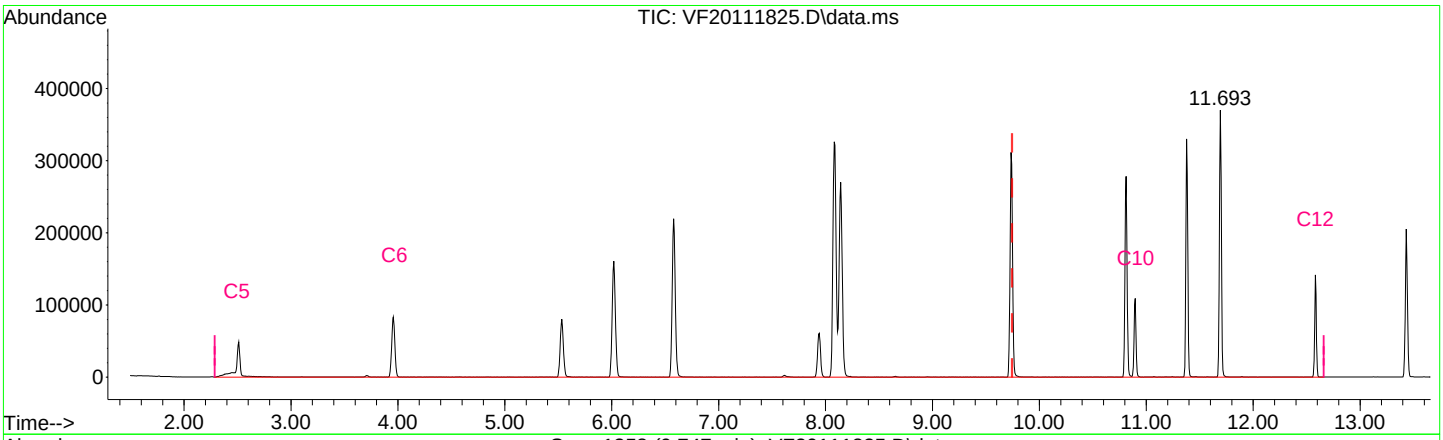
response 1017517

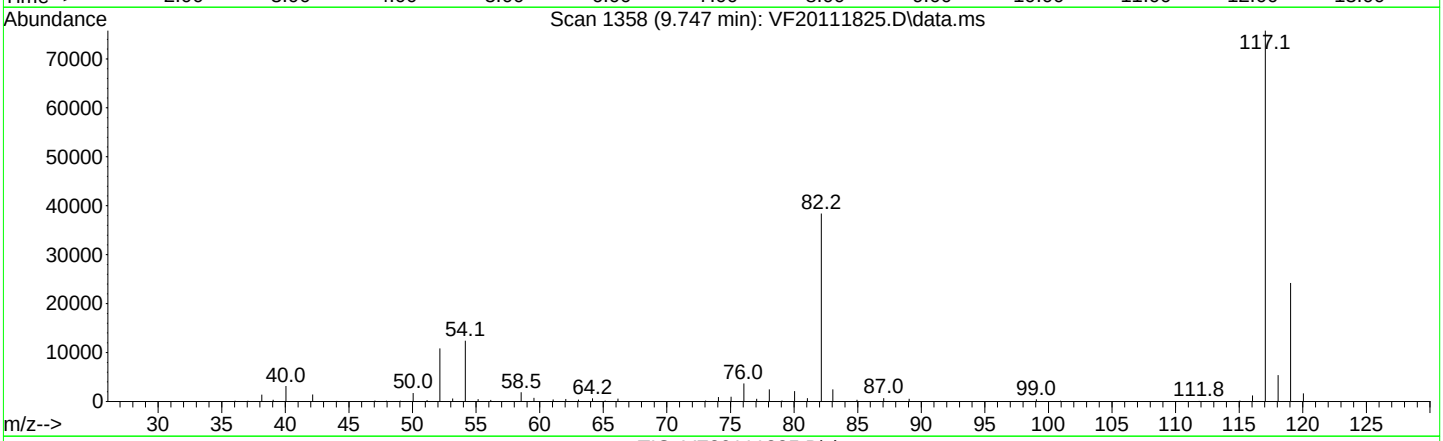
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	1.17#
0.00	0.00	0.80#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111825.D
Acq On : 19 Nov 2020 4:02 am
Operator : TNL
Sample : 0k18062-RT1
Misc : 1X 5mL A20I121 DI+MeOH
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 19 17:19:33 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Nov 19 14:37:04 2020
Response via : Initial Calibration





TIC: VF20111825.D\data.ms

(8) CA-LUFT (C5-C12) (H)

9.745min (0.000) 308.57 ug/L m

response 1845091

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.65#
0.00	0.00	0.44#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111825.D
Acq On : 19 Nov 2020 4:02 am
Operator : TNL
Sample : 0k18062-RT1
Misc : 1X 5mL A20I121 DI+MeOH
ALS Vial : 25 Sample Multiplier: 1

11/20/20 TNL

Quant Time: Nov 19 17:19:33 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Nov 19 14:37:04 2020
Response via : Initial Calibration

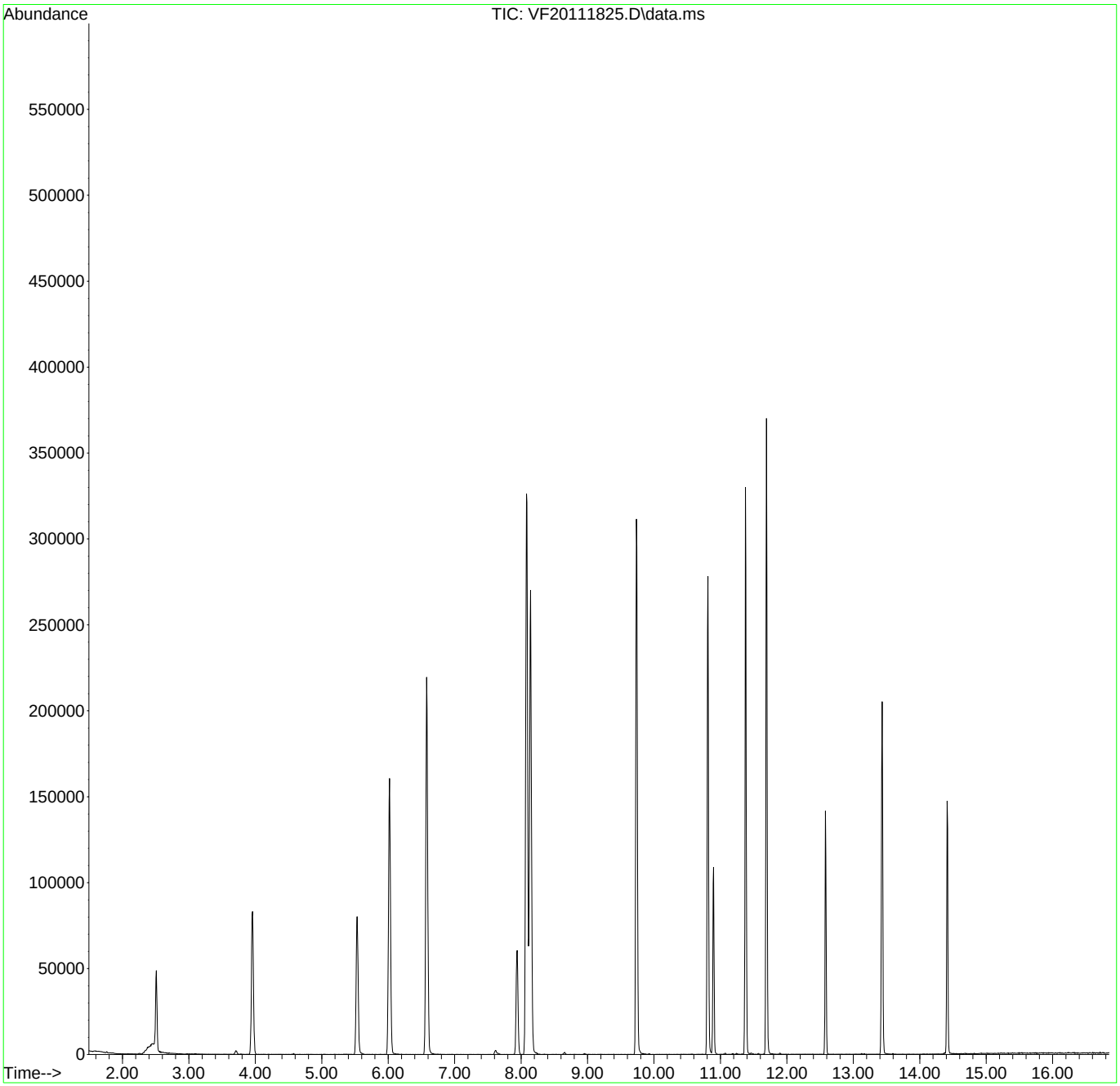
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.019	168	126669	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.579	TIC	444312	48.01	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.811	TIC	387015	50.09	ug/L	0.00
4) Chlorobenzene-d5 (NR)	9.735	TIC	504392	0.00	ug/L	0.00
10) Toluene-d8 (NR)	8.081	TIC	667899	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.693	TIC	459579	0.00	ug/L	0.00
Target Compounds						Qvalue
5) NWTPH-Gx	9.745	TIC	1661164m	424.52	ug/L	
6) TPHg (C5-C9)	9.745	TIC	1140871m	220.80	ug/L	
7) TPHg (C6-C10)	9.745	TIC	1017517m	230.24	ug/L	
8) CA-LUFT (C5-C12)	9.745	TIC	1845091m	308.57	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111825.D
Acq On : 19 Nov 2020 4:02 am
Operator : TNL
Sample : 0k18062-RT1
Misc : 1X 5mL A20I121 DI+MeOH
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 19 17:19:33 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Nov 19 14:37:04 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111826.D
Acq On : 19 Nov 2020 4:29 am
Operator : TNL
Sample : 0k18062-IBL9
Misc : 1X 5mL DI+MeOH
ALS Vial : 26 Sample Multiplier: 1

11/20/20 TNL

Quant Time: Nov 19 17:20:33 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Nov 19 14:37:04 2020
Response via : Initial Calibration

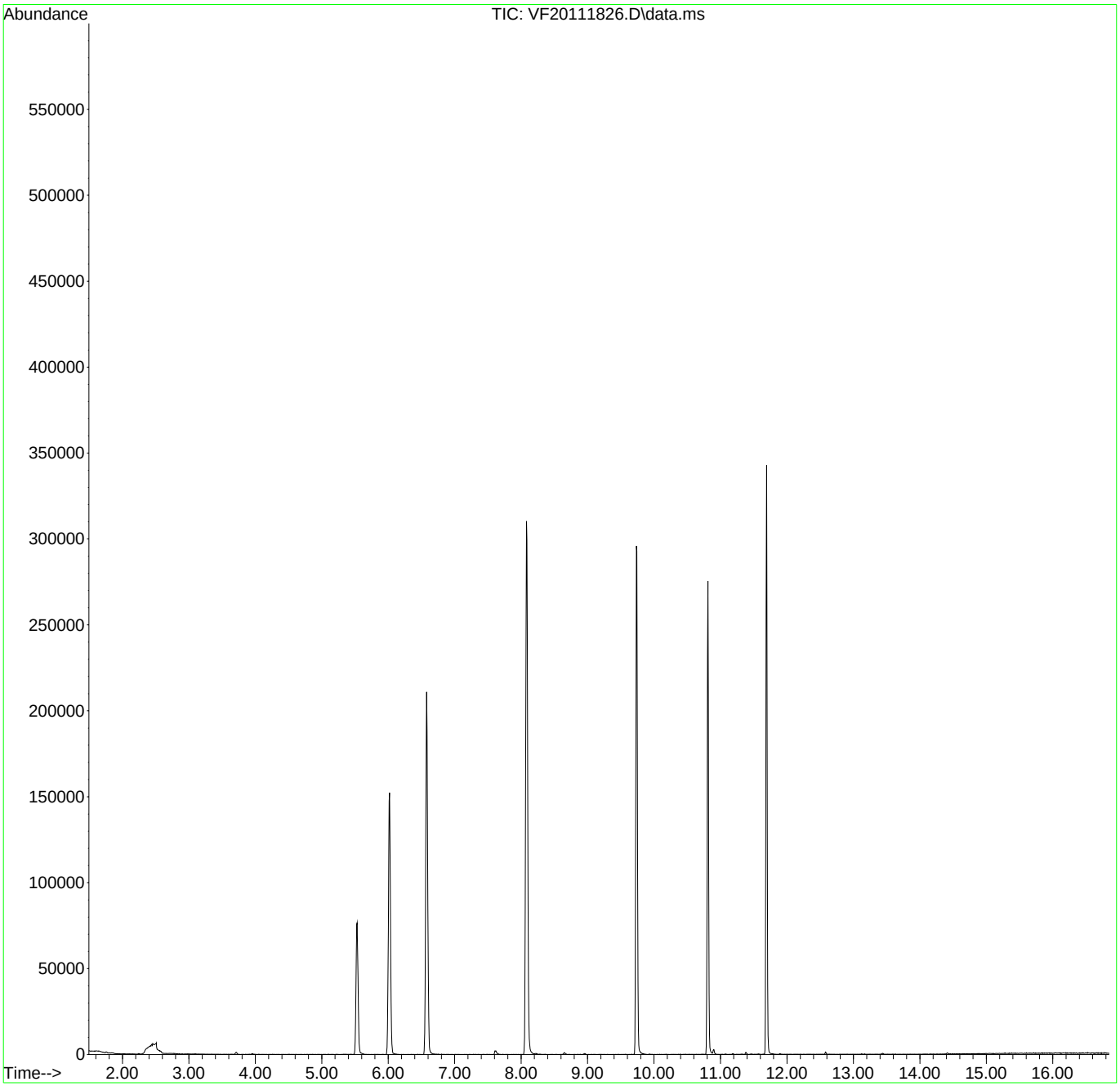
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.018	168	123188	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.578	TIC	431419	47.93	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.811	TIC	375203	49.93	ug/L	0.00
4) Chlorobenzene-d5 (NR)	9.734	TIC	485816	0.00	ug/L	0.00
10) Toluene-d8 (NR)	8.080	TIC	633460	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.692	TIC	439964	0.00	ug/L	0.00
Target Compounds						Qvalue
5) NWTPH-Gx	9.745	TIC	7461m	31.81	ug/L	
6) TPHg (C5-C9)	9.745	TIC	207757m	22.93	ug/L	
7) TPHg (C6-C10)	9.745	TIC	168799m	25.62	ug/L	
8) CA-LUFT (C5-C12)	9.745	TIC	207757m	28.04	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111826.D
Acq On : 19 Nov 2020 4:29 am
Operator : TNL
Sample : 0k18062-IBL9
Misc : 1X 5mL DI+MeOH
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Nov 19 17:20:33 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Nov 19 14:37:04 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111827.D
Acq On : 19 Nov 2020 4:56 am
Operator : TNL
Sample : 0k18062-CALC
Misc : 1X 5mL 50ppb GX DI+MeOH
ALS Vial : 27 Sample Multiplier: 1

11/20/20 TNL

Quant Time: Nov 19 14:28:44 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Aug 13 22:40:04 2020
Response via : Initial Calibration

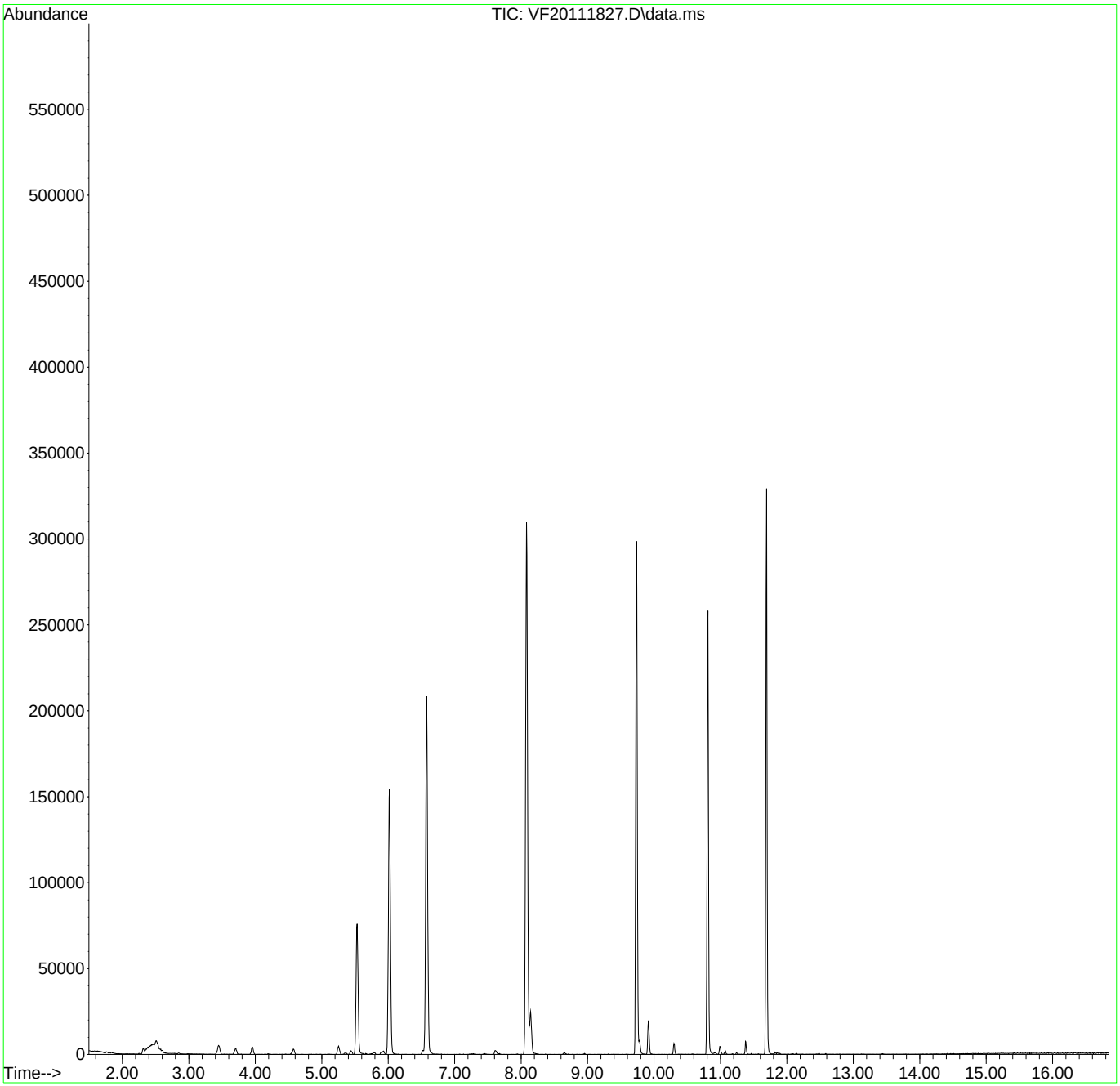
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.020	168	121907	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.579	TIC	424132	40.35	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.812	TIC	364598	42.91	ug/L	0.00
4) Chlorobenzene-d5 (NR)	9.736	TIC	473074	0.00	ug/L	0.00
10) Toluene-d8 (NR)	8.081	TIC	627579	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.694	TIC	420422	0.00	ug/L	0.00
Target Compounds						Qvalue
5) NWTPH-Gx	9.745	TIC	141613m	49.27	ug/L	
6) TPHg (C5-C9)	9.745	TIC	379313m	35.70	ug/L	
7) TPHg (C6-C10)	9.745	TIC	307399m	39.04	ug/L	
8) CA-LUFT (C5-C12)	9.745	TIC	400645m	38.75	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111827.D
Acq On : 19 Nov 2020 4:56 am
Operator : TNL
Sample : 0k18062-CALC
Misc : 1X 5mL 50ppb GX DI+MeOH
ALS Vial : 27 Sample Multiplier: 1

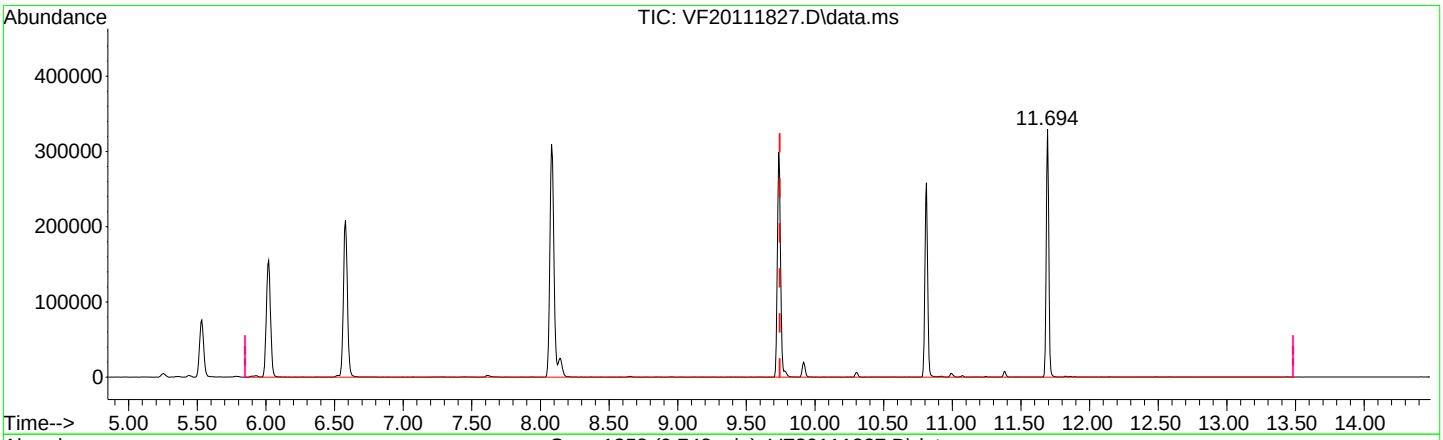
Quant Time: Nov 19 14:28:44 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Aug 13 22:40:04 2020
Response via : Initial Calibration

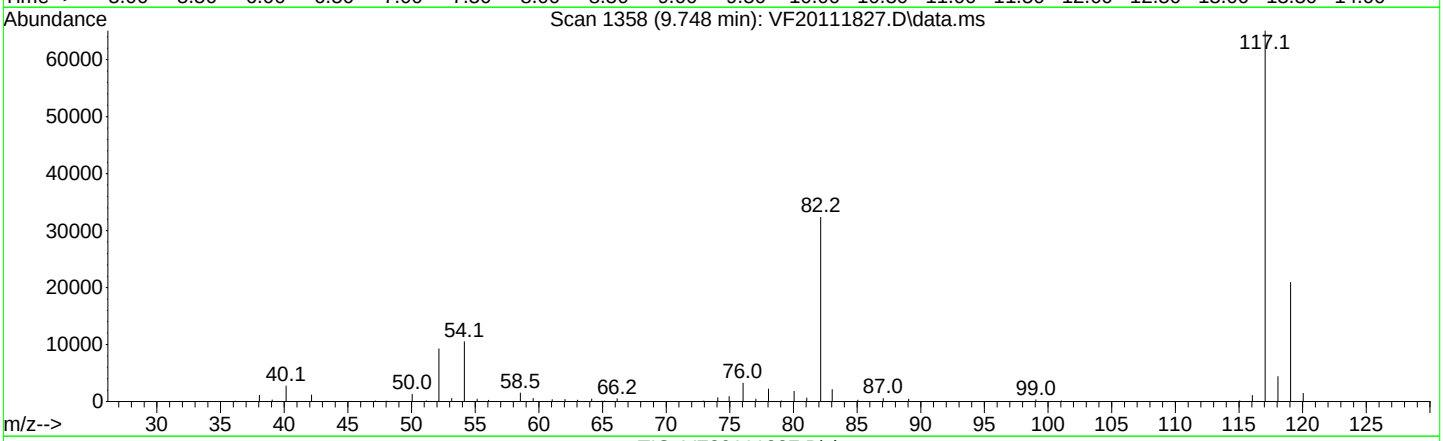


Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111827.D
Acq On : 19 Nov 2020 4:56 am
Operator : TNL
Sample : 0k18062-CALC
Misc : 1X 5mL 50ppb GX DI+MeOH
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Nov 19 14:28:44 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Aug 13 22:40:04 2020
Response via : Initial Calibration





TIC: VF20111827.D\data.ms

(5) NWTPH-Gx (H)

9.745min (0.000) 49.27 ug/L m

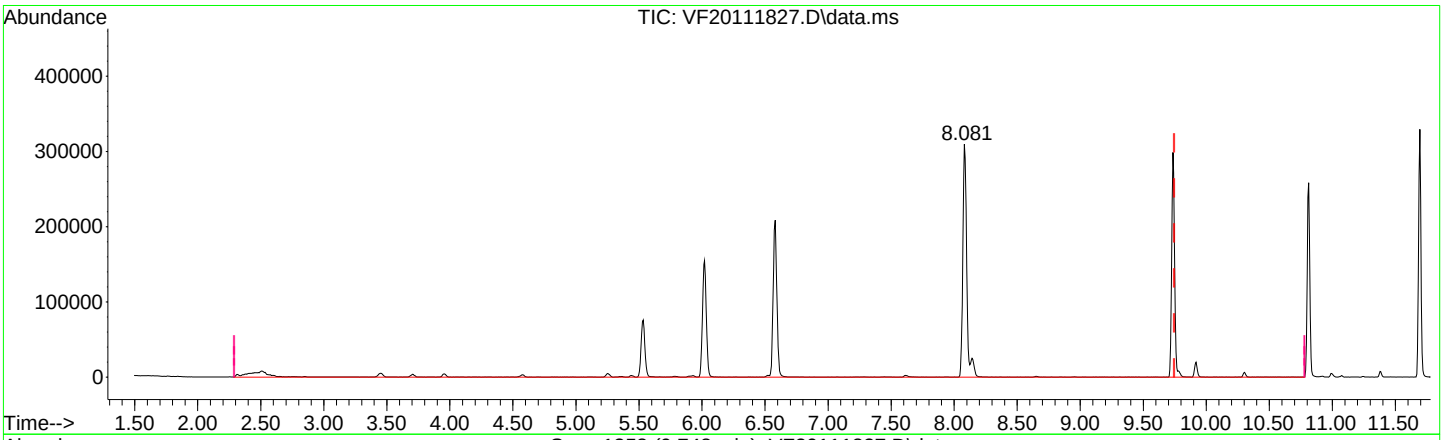
response 141613

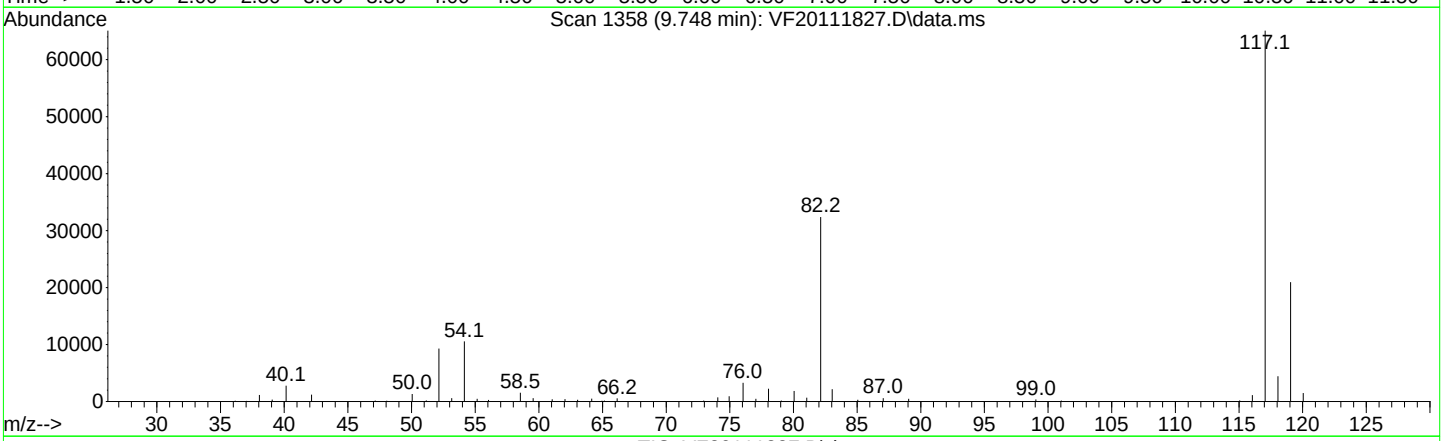
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111827.D
Acq On : 19 Nov 2020 4:56 am
Operator : TNL
Sample : 0k18062-CALC
Misc : 1X 5mL 50ppb GX DI+MeOH
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Nov 19 14:28:44 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Aug 13 22:40:04 2020
Response via : Initial Calibration





TIC: VF20111827.D\data.ms

(6) TPHg (C5-C9) (H)

9.745min (0.000) 35.70 ug/L m

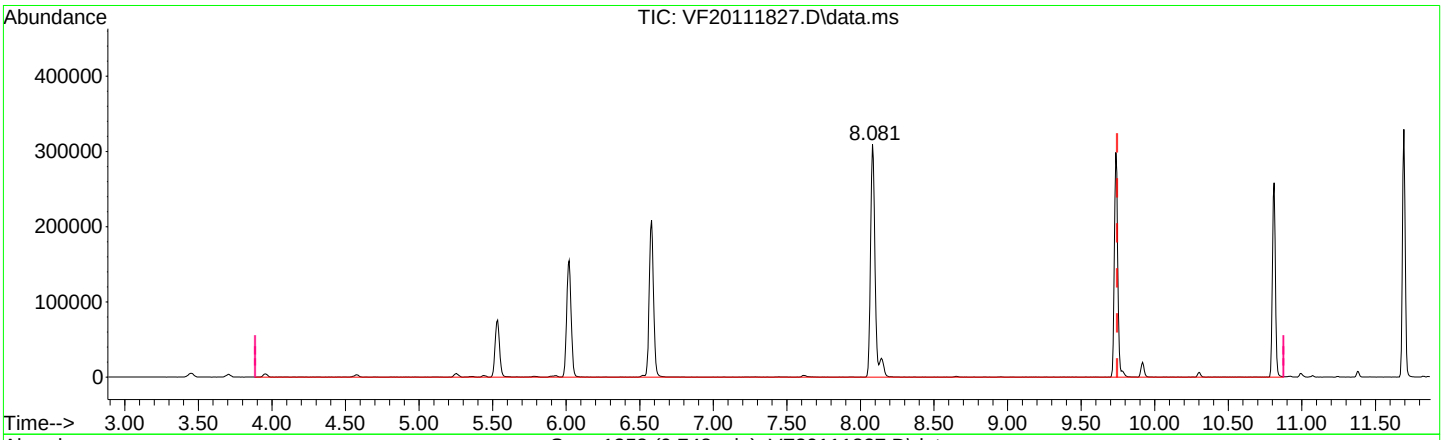
response 379313

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111827.D
Acq On : 19 Nov 2020 4:56 am
Operator : TNL
Sample : 0k18062-CALC
Misc : 1X 5mL 50ppb GX DI+MeOH
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Nov 19 14:28:44 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Aug 13 22:40:04 2020
Response via : Initial Calibration



TIC: VF20111827.D\data.ms

(7) TPHg (C6-C10) (H)

9.745min (0.000) 39.04 ug/L m

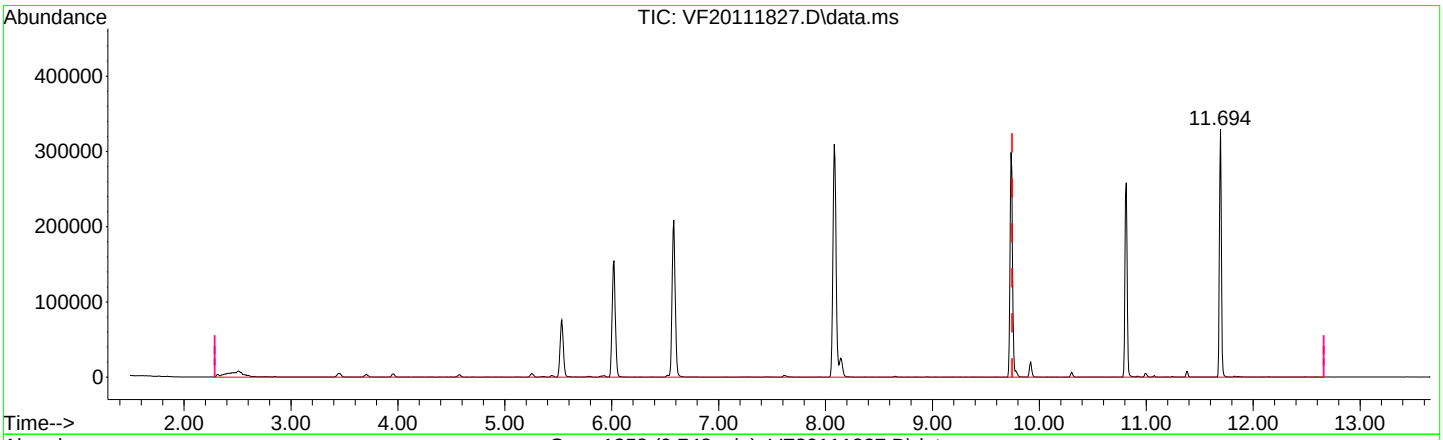
response 307399

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111827.D
Acq On : 19 Nov 2020 4:56 am
Operator : TNL
Sample : 0k18062-CALC
Misc : 1X 5mL 50ppb GX DI+MeOH
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Nov 19 14:28:44 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Aug 13 22:40:04 2020
Response via : Initial Calibration



TIC: VF20111827.D\data.ms

(8) CA-LUFT (C5-C12) (H)

9.745min (0.000) 38.75 ug/L m

response 400645

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111827.D
Acq On : 19 Nov 2020 4:56 am
Operator : TNL
Sample : 0k18062-CALC
Misc : 1X 5mL 50ppb GX DI+MeOH
ALS Vial : 27 Sample Multiplier: 1

11/20/20 TNL

Quant Time: Nov 19 14:28:44 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Aug 13 22:40:04 2020
Response via : Initial Calibration

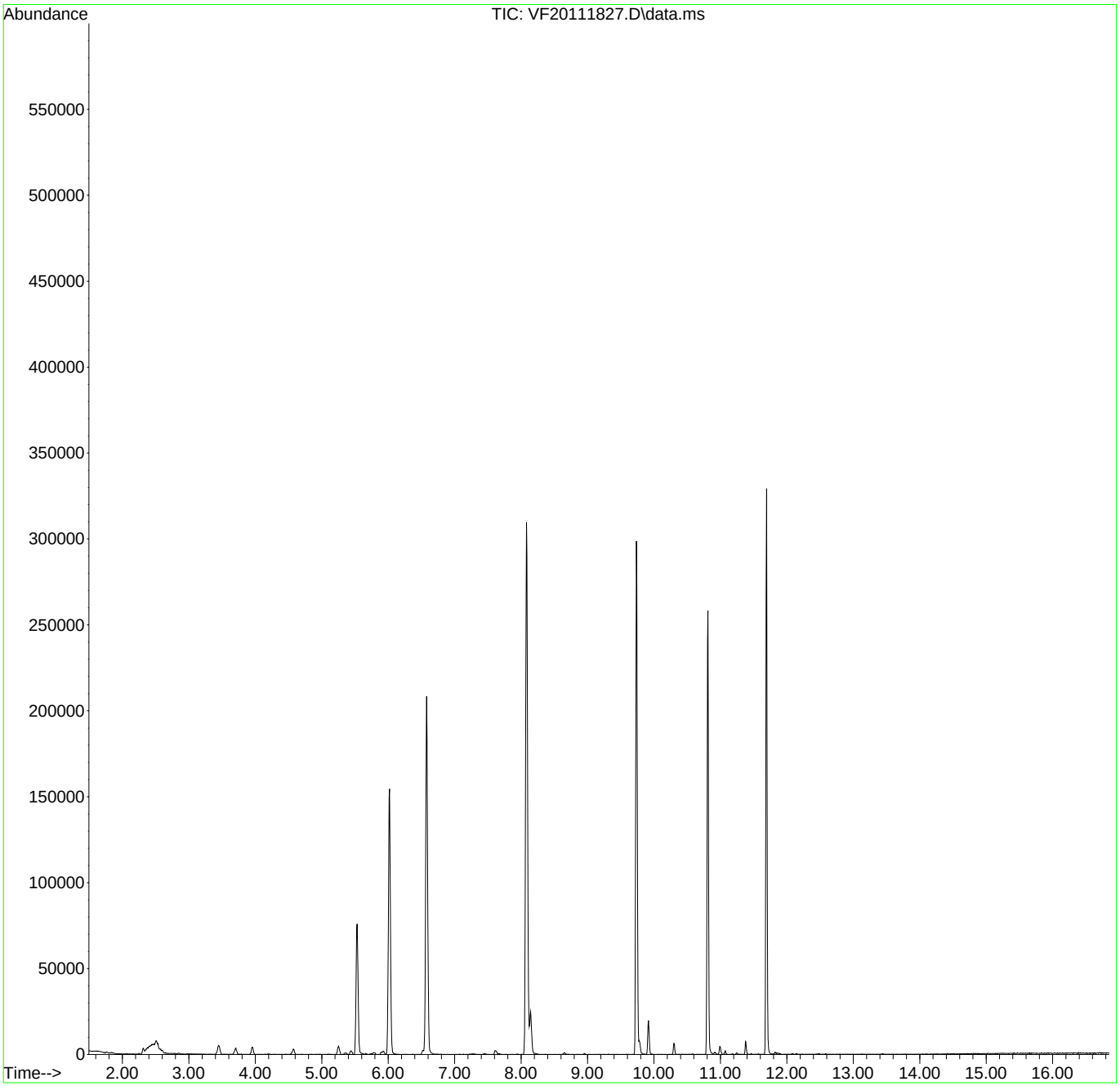
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.020	168	121907	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.579	TIC	424132	40.35	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.812	TIC	364598	42.91	ug/L	0.00
4) Chlorobenzene-d5 (NR)	9.736	TIC	473074	0.00	ug/L	0.00
10) Toluene-d8 (NR)	8.081	TIC	627579	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.694	TIC	420422	0.00	ug/L	0.00
Target Compounds						Qvalue
5) NWTPH-Gx	9.745	TIC	141613m	49.27	ug/L	
6) TPHg (C5-C9)	9.745	TIC	379313m	35.70	ug/L	
7) TPHg (C6-C10)	9.745	TIC	307399m	39.04	ug/L	
8) CA-LUFT (C5-C12)	9.745	TIC	400645m	38.75	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111827.D
Acq On : 19 Nov 2020 4:56 am
Operator : TNL
Sample : 0k18062-CALC
Misc : 1X 5mL 50ppb GX DI+MeOH
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Nov 19 14:28:44 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Aug 13 22:40:04 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111828.D
Acq On : 19 Nov 2020 5:23 am
Operator : TNL
Sample : 0k18062-CALD
Misc : 1X 5mL 100ppb GX DI+MeOH 11/20/20 TNL
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Nov 19 14:30:09 2020
Quant Method : Y:\METHODS\~~VF201119G.M~~
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Aug 13 22:40:04 2020
Response via : Initial Calibration

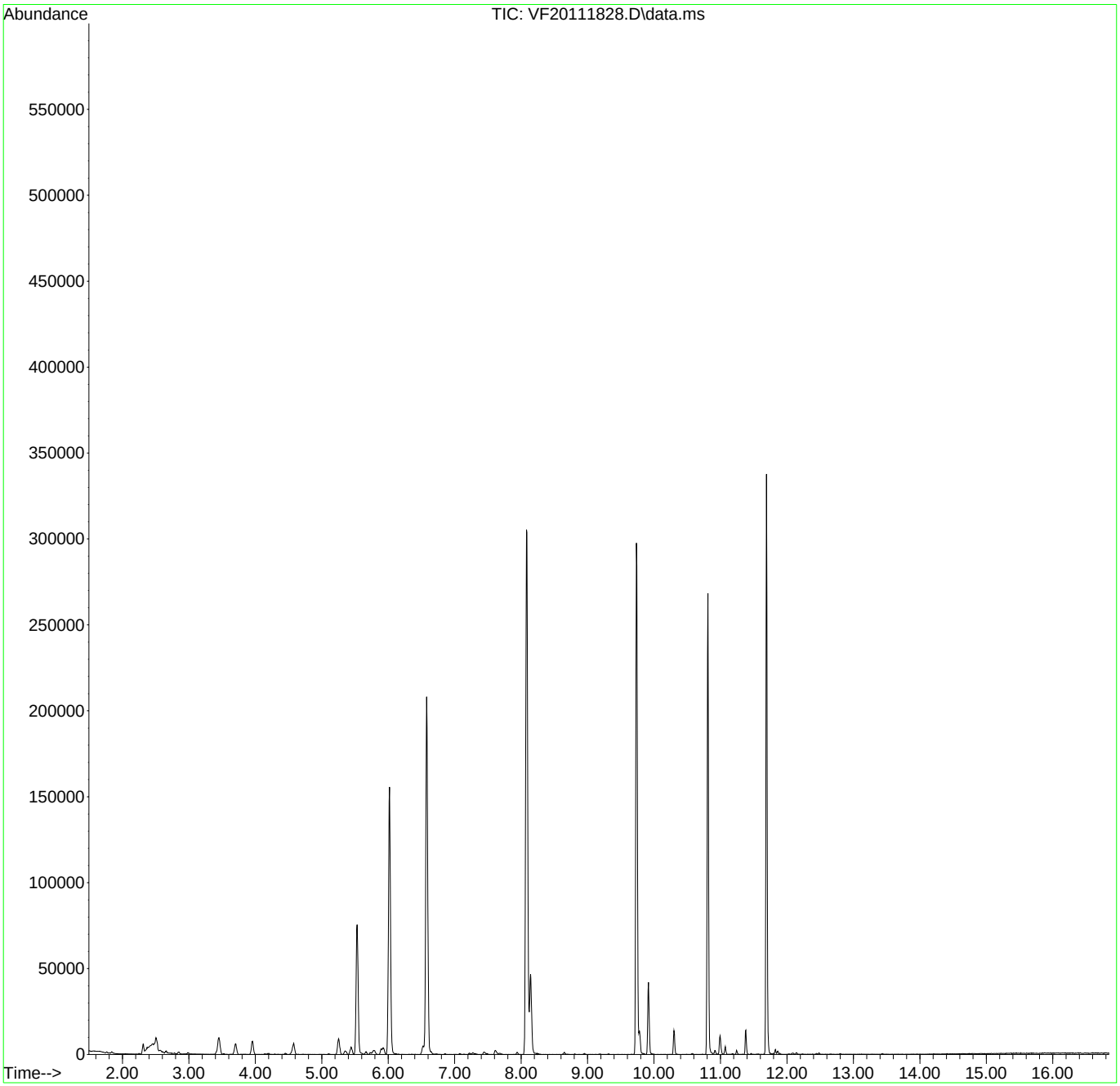
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.019	168	122269	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.578	TIC	440029	41.74	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.811	TIC	365495	42.89	ug/L	0.00
4) Chlorobenzene-d5 (NR)	9.735	TIC	499032	0.00	ug/L	0.00
10) Toluene-d8 (NR)	8.080	TIC	636327	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.693	TIC	428901	0.00	ug/L	0.00
Target Compounds						Qvalue
5) NWTPH-Gx	9.745	TIC	226544m	67.47	ug/L	
6) TPHg (C5-C9)	9.745	TIC	497505m	56.10	ug/L	
7) TPHg (C6-C10)	9.745	TIC	417517m	61.13	ug/L	
8) CA-LUFT (C5-C12)	9.745	TIC	541031m	58.73	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111828.D
Acq On : 19 Nov 2020 5:23 am
Operator : TNL
Sample : 0k18062-CALD
Misc : 1X 5mL 100ppb GX DI+MeOH
ALS Vial : 28 Sample Multiplier: 1

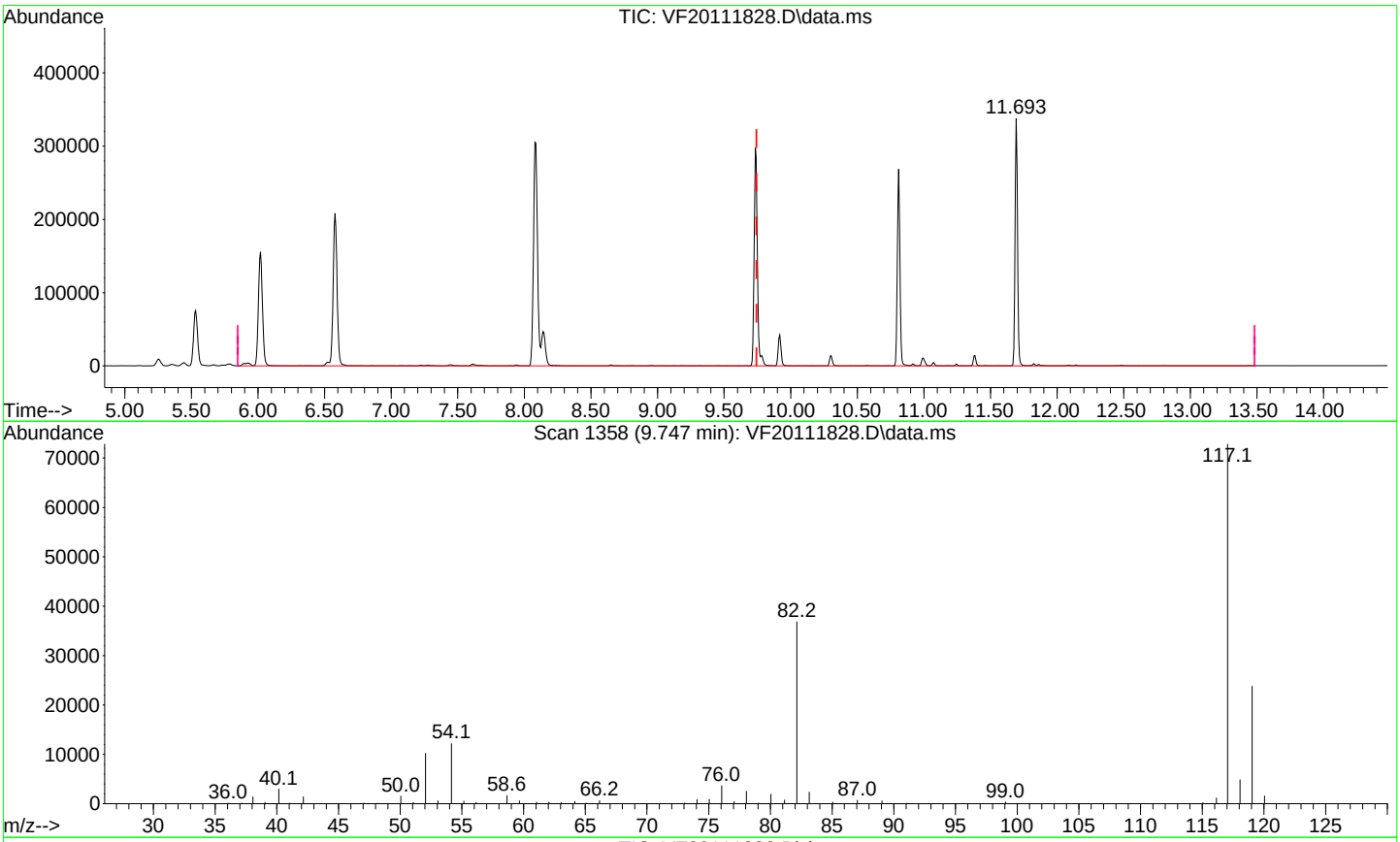
Quant Time: Nov 19 14:30:09 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Aug 13 22:40:04 2020
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111828.D
Acq On : 19 Nov 2020 5:23 am
Operator : TNL
Sample : 0k18062-CALD
Misc : 1X 5mL 100ppb GX DI+MeOH
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Nov 19 14:30:09 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Aug 13 22:40:04 2020
Response via : Initial Calibration



TIC: VF20111828.D\data.ms

(5) NWTPH-Gx (H)

9.745min (0.000) 67.47 ug/L m

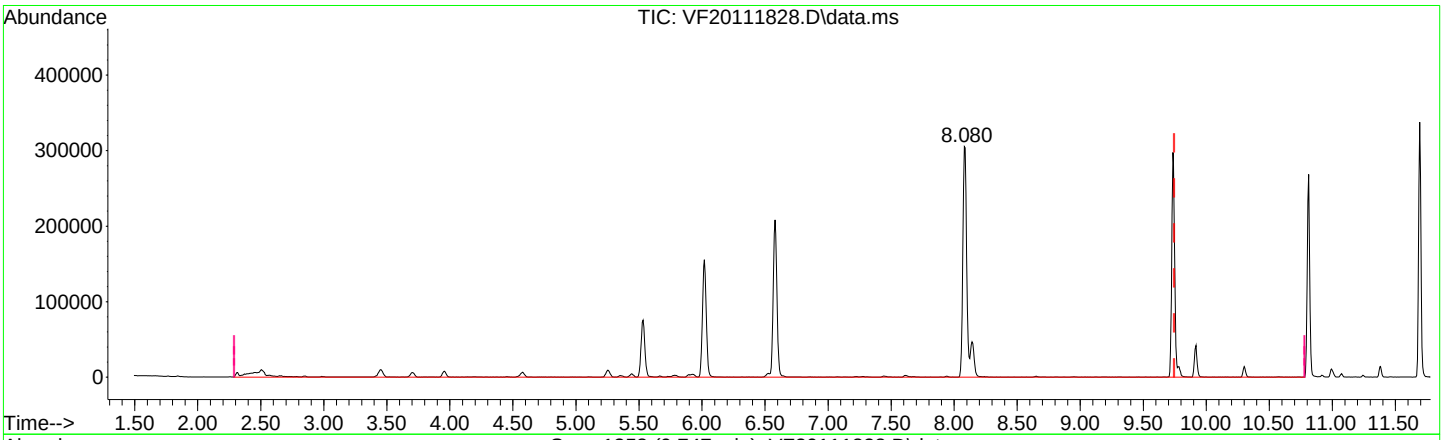
response 226544

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111828.D
Acq On : 19 Nov 2020 5:23 am
Operator : TNL
Sample : 0k18062-CALD
Misc : 1X 5mL 100ppb GX DI+MeOH
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Nov 19 14:30:09 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Aug 13 22:40:04 2020
Response via : Initial Calibration



TIC: VF20111828.D\data.ms

(6) TPHg (C5-C9) (H)

9.745min (0.000) 56.10 ug/L m

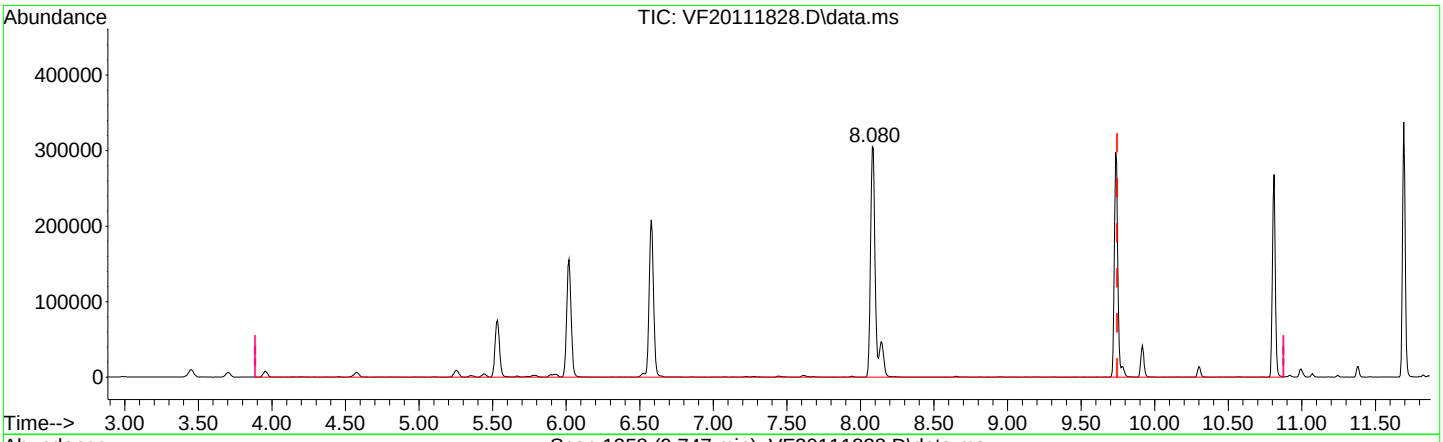
response 497505

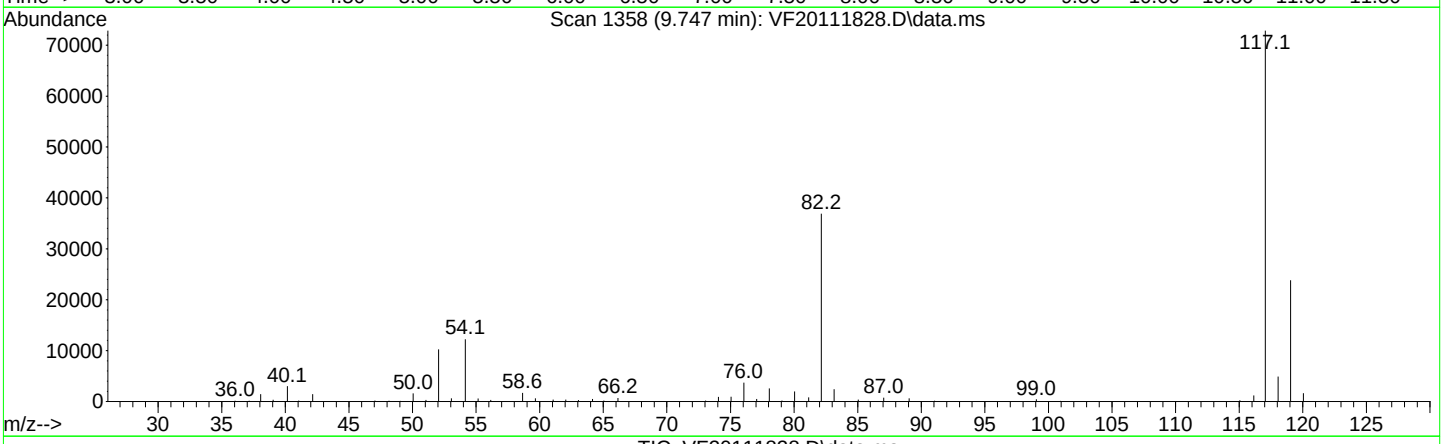
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111828.D
Acq On : 19 Nov 2020 5:23 am
Operator : TNL
Sample : 0k18062-CALD
Misc : 1X 5mL 100ppb GX DI+MeOH
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Nov 19 14:30:09 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Aug 13 22:40:04 2020
Response via : Initial Calibration





TIC: VF20111828.D\data.ms

(7) TPHg (C6-C10) (H)

9.745min (0.000) 61.13 ug/L m

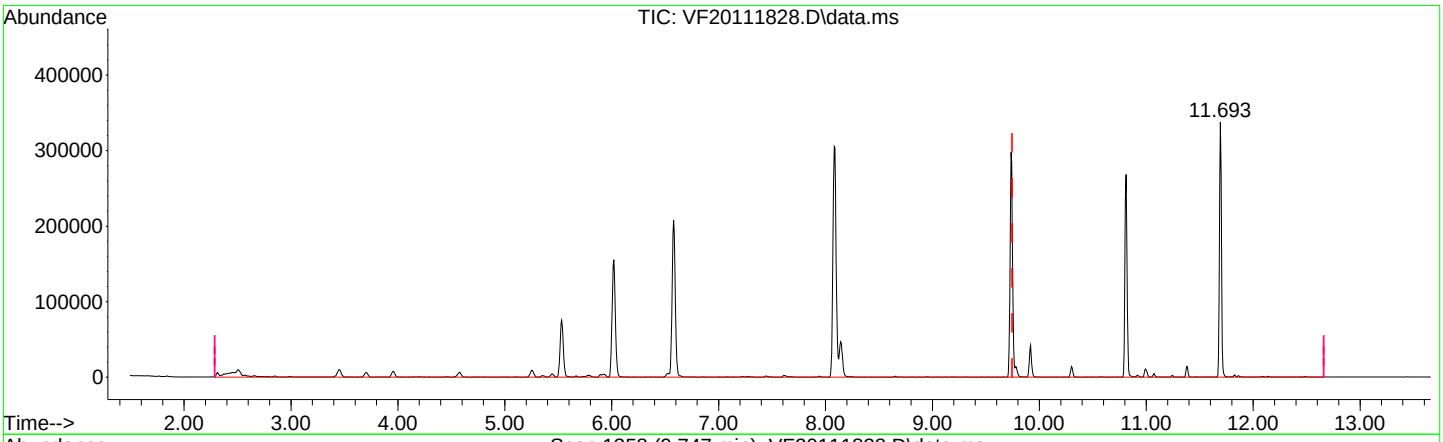
response 417517

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111828.D
Acq On : 19 Nov 2020 5:23 am
Operator : TNL
Sample : 0k18062-CALD
Misc : 1X 5mL 100ppb GX DI+MeOH
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Nov 19 14:30:09 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Aug 13 22:40:04 2020
Response via : Initial Calibration



TIC: VF20111828.D\data.ms

(8) CA-LUFT (C5-C12) (H)

9.745min (0.000) 58.73 ug/L m

response 541031

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111828.D
Acq On : 19 Nov 2020 5:23 am
Operator : TNL
Sample : 0k18062-CALD
Misc : 1X 5mL 100ppb GX DI+MeOH
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Nov 19 14:30:09 2020 11/20/20 TNL
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Aug 13 22:40:04 2020
Response via : Initial Calibration

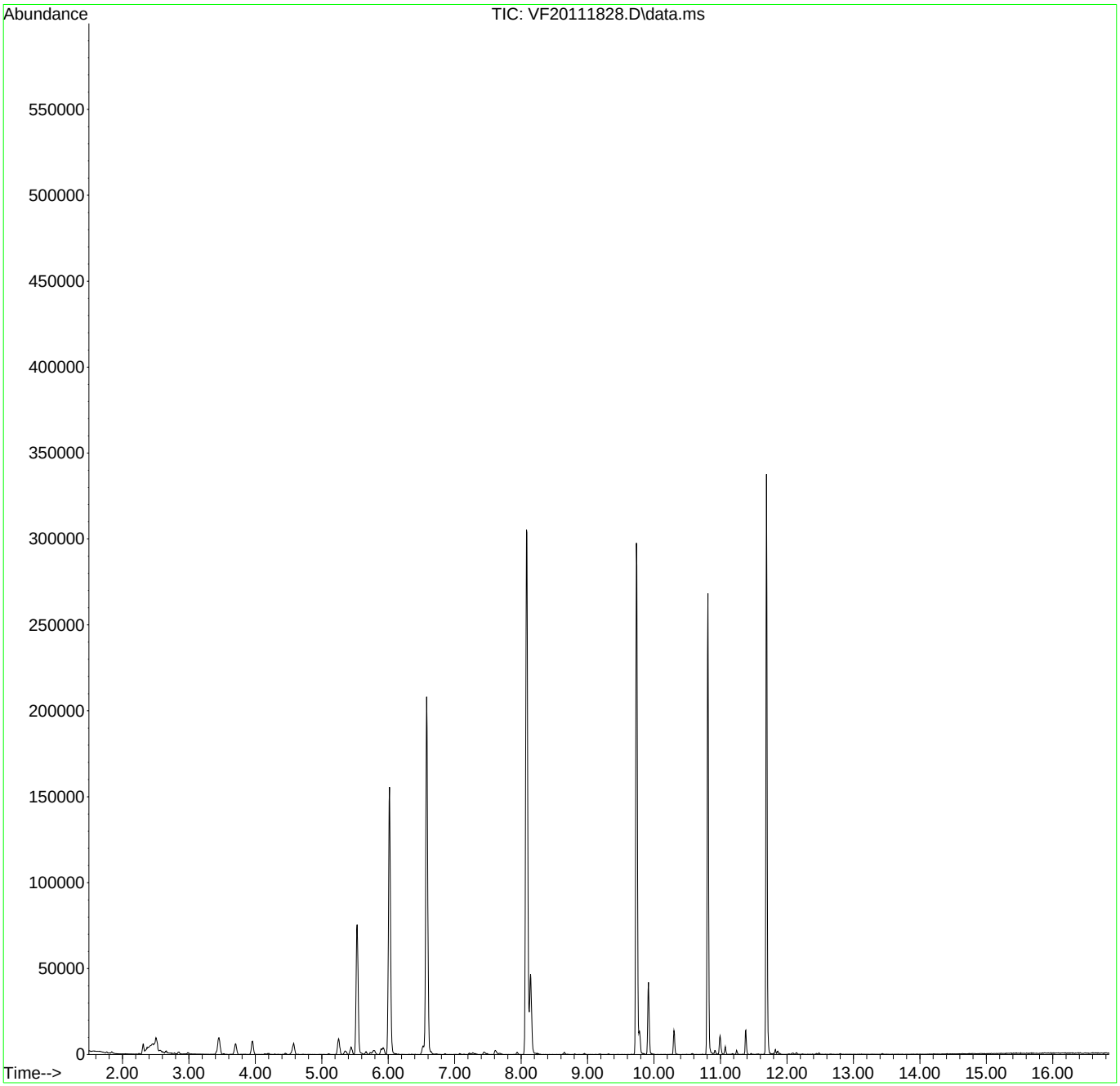
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.019	168	122269	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.578	TIC	440029	41.74	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.811	TIC	365495	42.89	ug/L	0.00
4) Chlorobenzene-d5 (NR)	9.735	TIC	499032	0.00	ug/L	0.00
10) Toluene-d8 (NR)	8.080	TIC	636327	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.693	TIC	428901	0.00	ug/L	0.00
Target Compounds						Qvalue
5) NWTPH-Gx	9.745	TIC	226544m	67.47	ug/L	
6) TPHg (C5-C9)	9.745	TIC	497505m	56.10	ug/L	
7) TPHg (C6-C10)	9.745	TIC	417517m	61.13	ug/L	
8) CA-LUFT (C5-C12)	9.745	TIC	541031m	58.73	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111828.D
Acq On : 19 Nov 2020 5:23 am
Operator : TNL
Sample : 0k18062-CALD
Misc : 1X 5mL 100ppb GX DI+MeOH
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Nov 19 14:30:09 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Aug 13 22:40:04 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111829.D
Acq On : 19 Nov 2020 5:50 am
Operator : TNL
Sample : 0k18062-CALE
Misc : 1X 5mL 250ppb GX DI+MeOH 11/20/20 TNL
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Nov 19 14:31:47 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Aug 13 22:40:04 2020
Response via : Initial Calibration

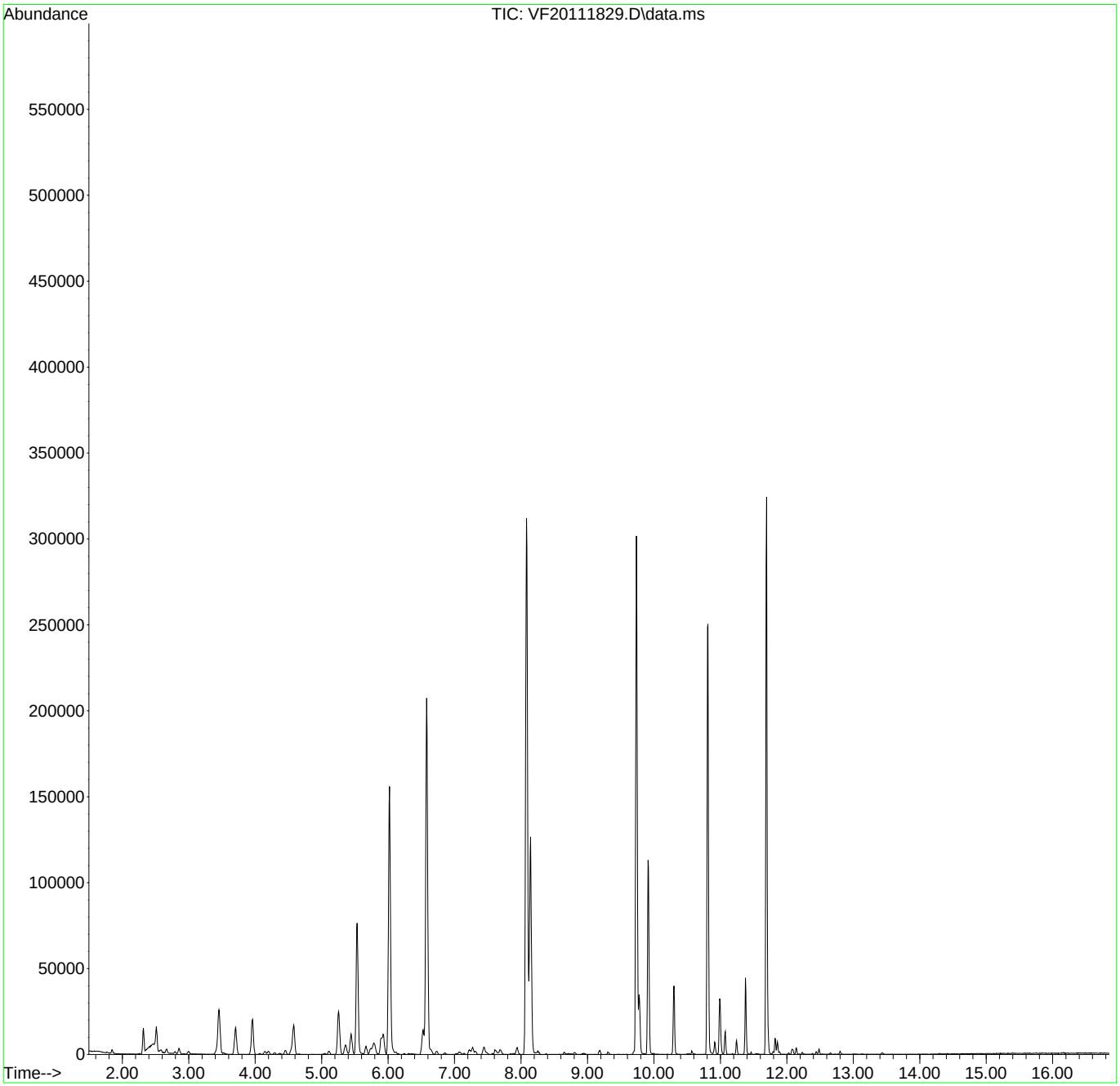
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.020	168	122137	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.580	TIC	432953	41.11	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.813	TIC	366582	43.07	ug/L	0.00
4) Chlorobenzene-d5 (NR)	9.736	TIC	483824	0.00	ug/L	0.00
10) Toluene-d8 (NR)	8.082	TIC	640437	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.694	TIC	437508	0.00	ug/L	0.00
Target Compounds						Qvalue
5) NWTPH-Gx	9.745	TIC	780509m	186.47	ug/L	
6) TPHg (C5-C9)	9.745	TIC	1137199m	167.48	ug/L	
7) TPHg (C6-C10)	9.745	TIC	982914m	175.42	ug/L	
8) CA-LUFT (C5-C12)	9.745	TIC	1319194m	170.25	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111829.D
Acq On : 19 Nov 2020 5:50 am
Operator : TNL
Sample : 0k18062-CALE
Misc : 1X 5mL 250ppb GX DI+MeOH
ALS Vial : 29 Sample Multiplier: 1

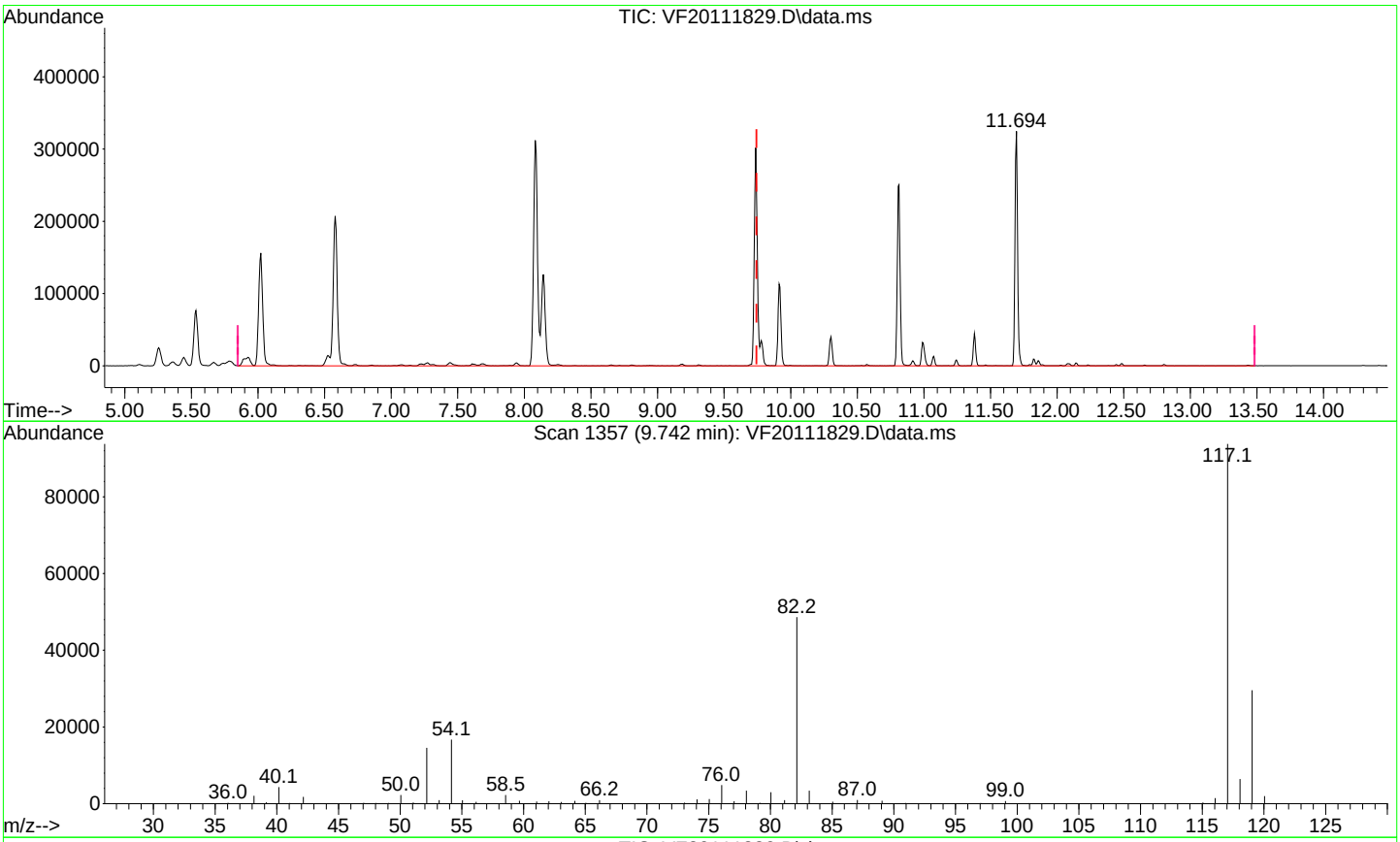
Quant Time: Nov 19 14:31:47 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Aug 13 22:40:04 2020
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111829.D
Acq On : 19 Nov 2020 5:50 am
Operator : TNL
Sample : 0k18062-CALE
Misc : 1X 5mL 250ppb GX DI+MeOH
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Nov 19 14:31:47 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Aug 13 22:40:04 2020
Response via : Initial Calibration



TIC: VF20111829.D\data.ms

(5) NWTPH-Gx (H)

9.745min (0.000) 186.47 ug/L m

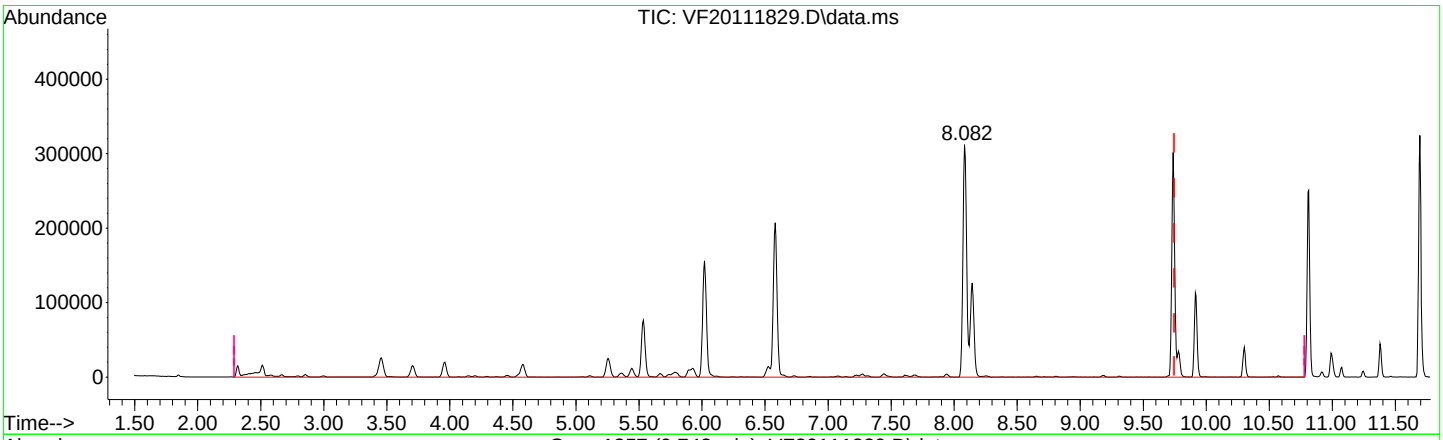
response 780509

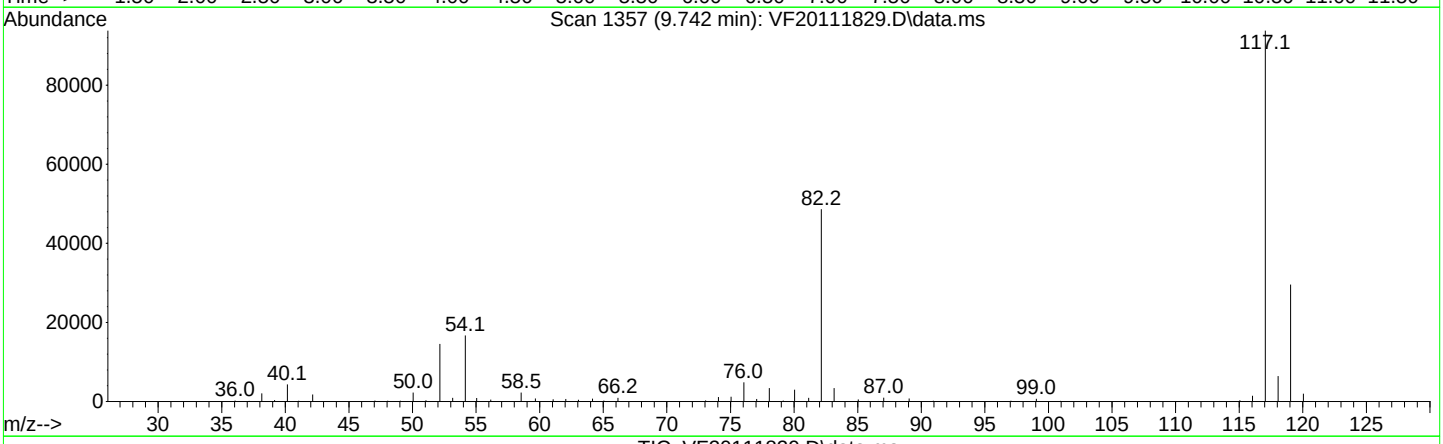
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111829.D
Acq On : 19 Nov 2020 5:50 am
Operator : TNL
Sample : 0k18062-CALE
Misc : 1X 5mL 250ppb GX DI+MeOH
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Nov 19 14:31:47 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Aug 13 22:40:04 2020
Response via : Initial Calibration





TIC: VF20111829.D\data.ms

(6) TPHg (C5-C9) (H)

9.745min (0.000) 167.48 ug/L m

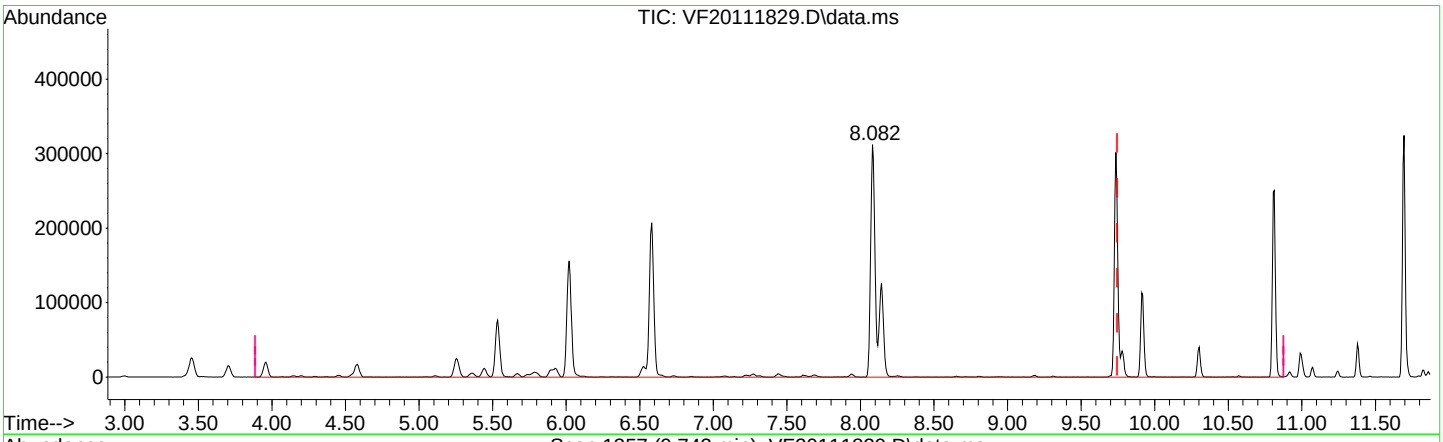
response 1137199

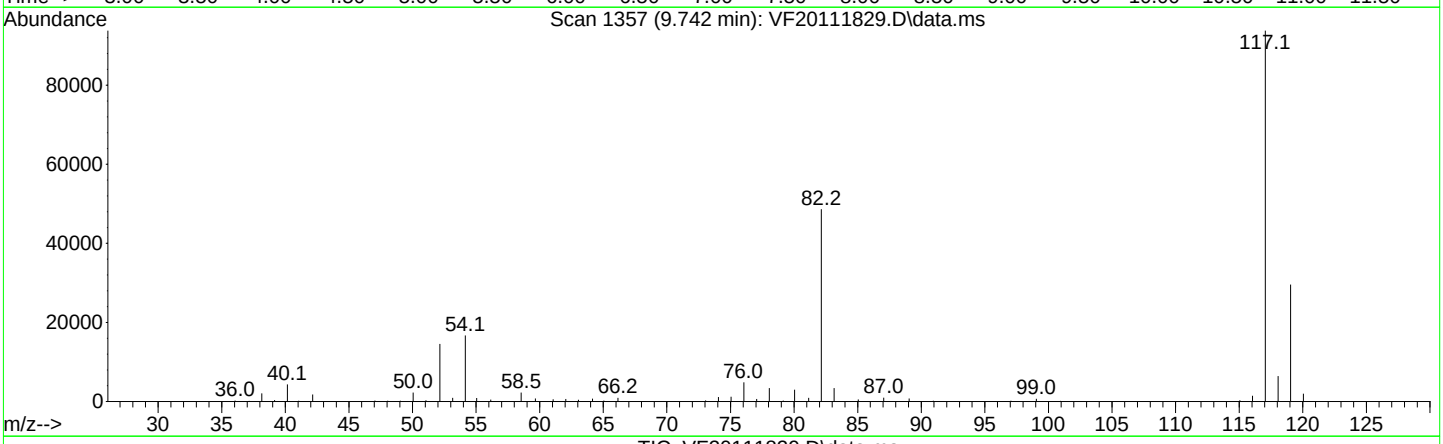
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111829.D
Acq On : 19 Nov 2020 5:50 am
Operator : TNL
Sample : 0k18062-CALE
Misc : 1X 5mL 250ppb GX DI+MeOH
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Nov 19 14:31:47 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Aug 13 22:40:04 2020
Response via : Initial Calibration





TIC: VF20111829.D\data.ms

(7) TPHg (C6-C10) (H)

9.745min (0.000) 175.42 ug/L m

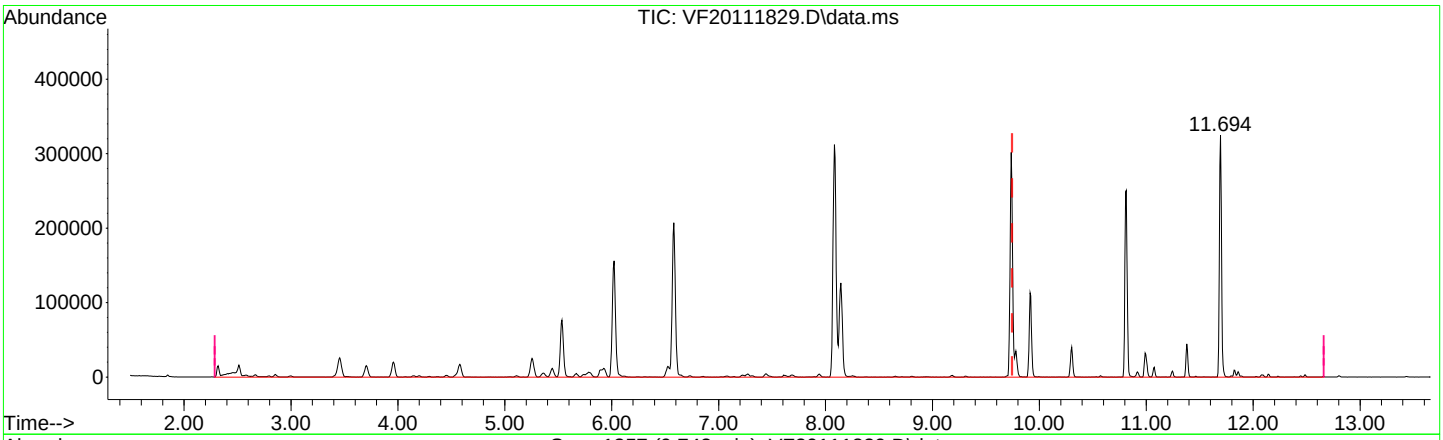
response 982914

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111829.D
Acq On : 19 Nov 2020 5:50 am
Operator : TNL
Sample : 0k18062-CALE
Misc : 1X 5mL 250ppb GX DI+MeOH
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Nov 19 14:31:47 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Aug 13 22:40:04 2020
Response via : Initial Calibration



TIC: VF20111829.D\data.ms

(8) CA-LUFT (C5-C12) (H)

9.745min (0.000) 170.25 ug/L m

response 1319194

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111829.D
Acq On : 19 Nov 2020 5:50 am
Operator : TNL
Sample : 0k18062-CALE
Misc : 1X 5mL 250ppb GX DI+MeOH
ALS Vial : 29 Sample Multiplier: 1

11/20/20 TNL

Quant Time: Nov 19 14:31:47 2020
Quant Method : Y:\METHODS\~~VF201119G.M~~
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Aug 13 22:40:04 2020
Response via : Initial Calibration

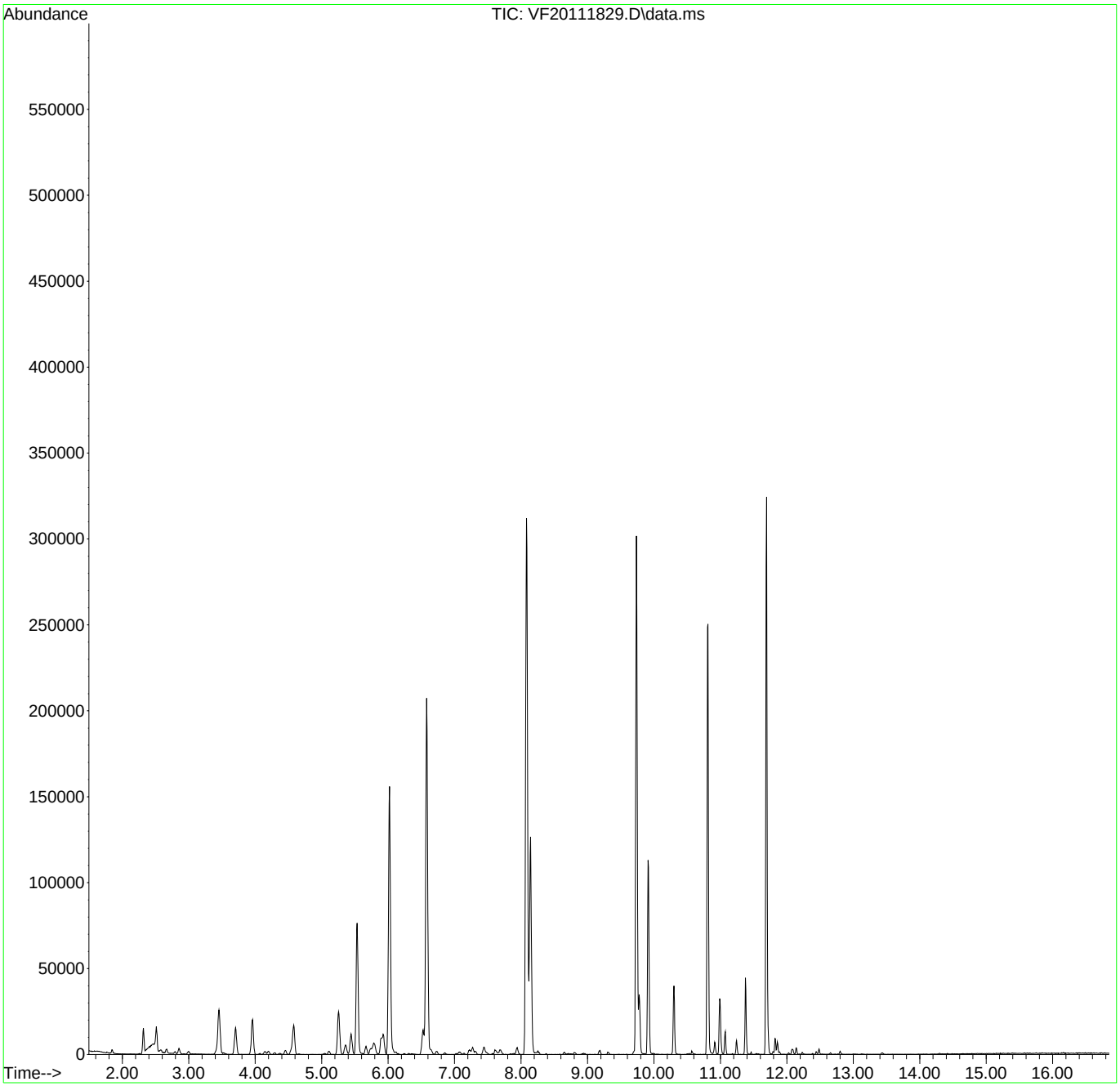
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.020	168	122137	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.580	TIC	432953	41.11	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.813	TIC	366582	43.07	ug/L	0.00
4) Chlorobenzene-d5 (NR)	9.736	TIC	483824	0.00	ug/L	0.00
10) Toluene-d8 (NR)	8.082	TIC	640437	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.694	TIC	437508	0.00	ug/L	0.00
Target Compounds						Qvalue
5) NWTPH-Gx	9.745	TIC	780509m	186.47	ug/L	
6) TPHg (C5-C9)	9.745	TIC	1137199m	167.48	ug/L	
7) TPHg (C6-C10)	9.745	TIC	982914m	175.42	ug/L	
8) CA-LUFT (C5-C12)	9.745	TIC	1319194m	170.25	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111829.D
Acq On : 19 Nov 2020 5:50 am
Operator : TNL
Sample : 0k18062-CALE
Misc : 1X 5mL 250ppb GX DI+MeOH
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Nov 19 14:31:47 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Aug 13 22:40:04 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111830.D
Acq On : 19 Nov 2020 6:18 am
Operator : TNL
Sample : 0k18062-CALF
Misc : 1X 5mL 500ppb GX DI+MeOH
ALS Vial : 30 Sample Multiplier: 1

11/20/20 TNL

Quant Time: Nov 19 14:32:27 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Aug 13 22:40:04 2020
Response via : Initial Calibration

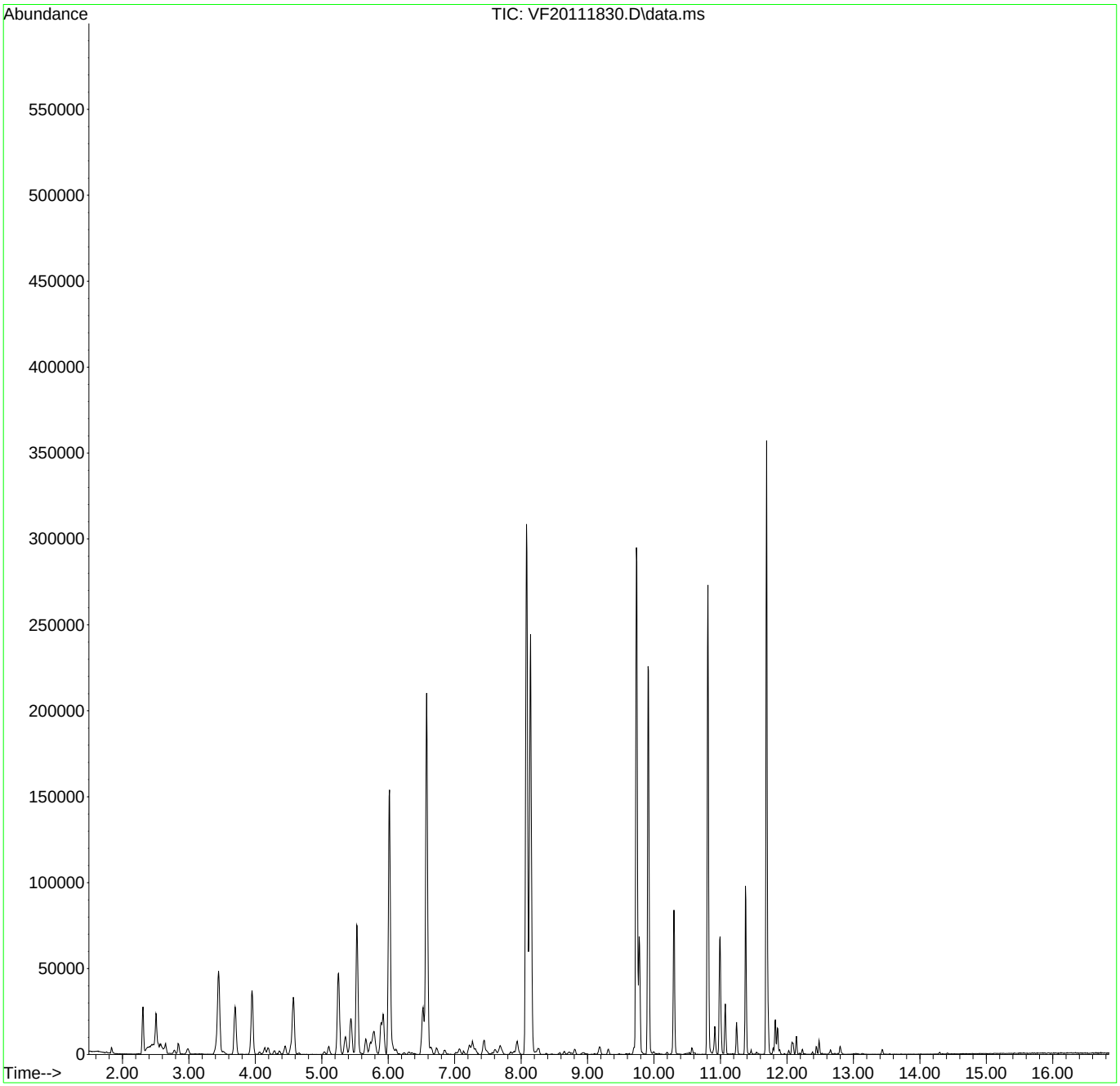
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.019	168	123418	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.578	TIC	443498	41.68	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.811	TIC	379419	44.11	ug/L	0.00
4) Chlorobenzene-d5 (NR)	9.734	TIC	497269	0.00	ug/L	0.00
10) Toluene-d8 (NR)	8.080	TIC	630111	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.693	TIC	468478	0.00	ug/L	0.00
Target Compounds						Qvalue
5) NWTPH-Gx	9.745	TIC	1824766m	404.55	ug/L	
6) TPHg (C5-C9)	9.745	TIC	2308980m	366.00	ug/L	
7) TPHg (C6-C10)	9.745	TIC	2000281m	375.38	ug/L	
8) CA-LUFT (C5-C12)	9.745	TIC	2739362m	368.06	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111830.D
Acq On : 19 Nov 2020 6:18 am
Operator : TNL
Sample : 0k18062-CALF
Misc : 1X 5mL 500ppb GX DI+MeOH
ALS Vial : 30 Sample Multiplier: 1

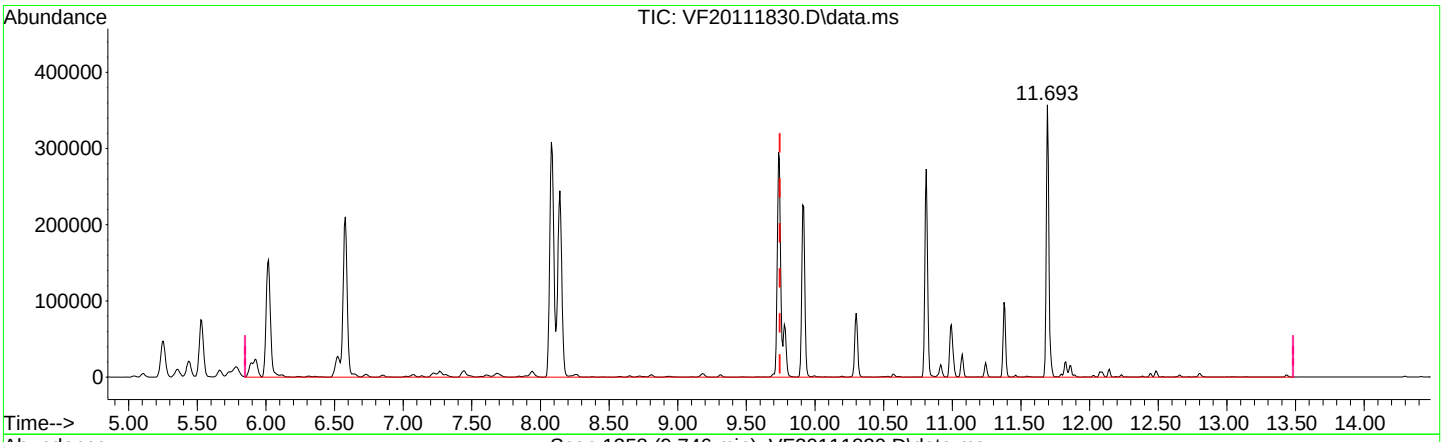
Quant Time: Nov 19 14:32:27 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Aug 13 22:40:04 2020
Response via : Initial Calibration

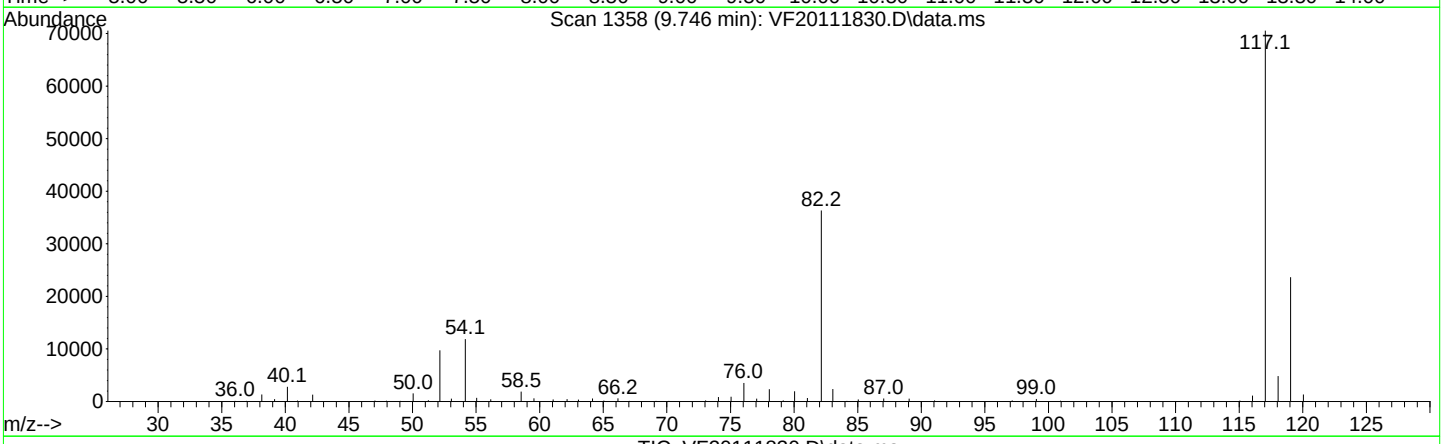


Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111830.D
Acq On : 19 Nov 2020 6:18 am
Operator : TNL
Sample : 0k18062-CALF
Misc : 1X 5mL 500ppb GX DI+MeOH
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Nov 19 14:32:27 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Aug 13 22:40:04 2020
Response via : Initial Calibration





TIC: VF20111830.D\data.ms

(5) NWTPH-Gx (H)

9.745min (0.000) 404.55 ug/L m

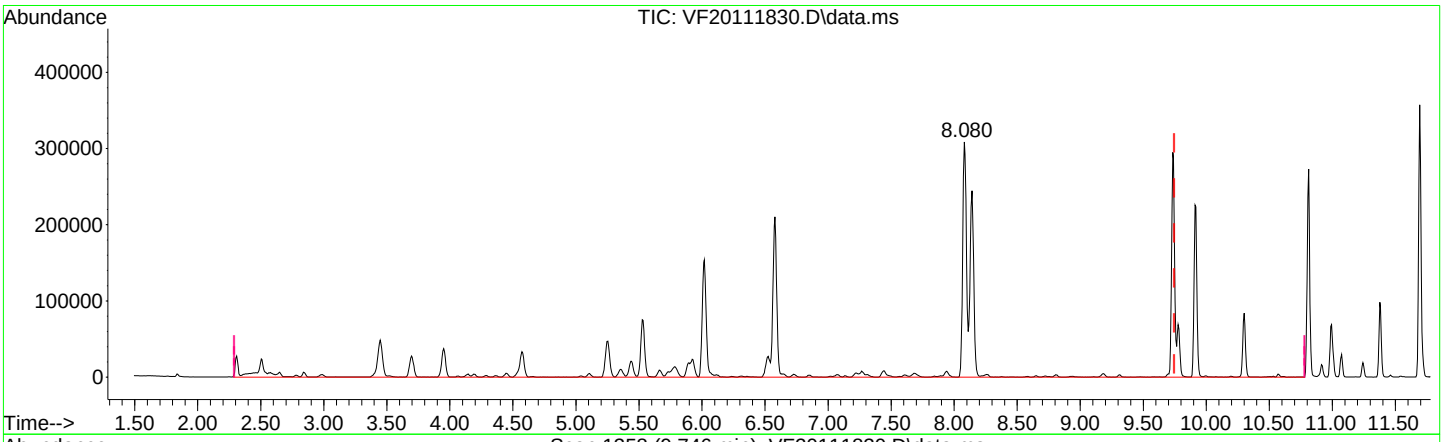
response 1824766

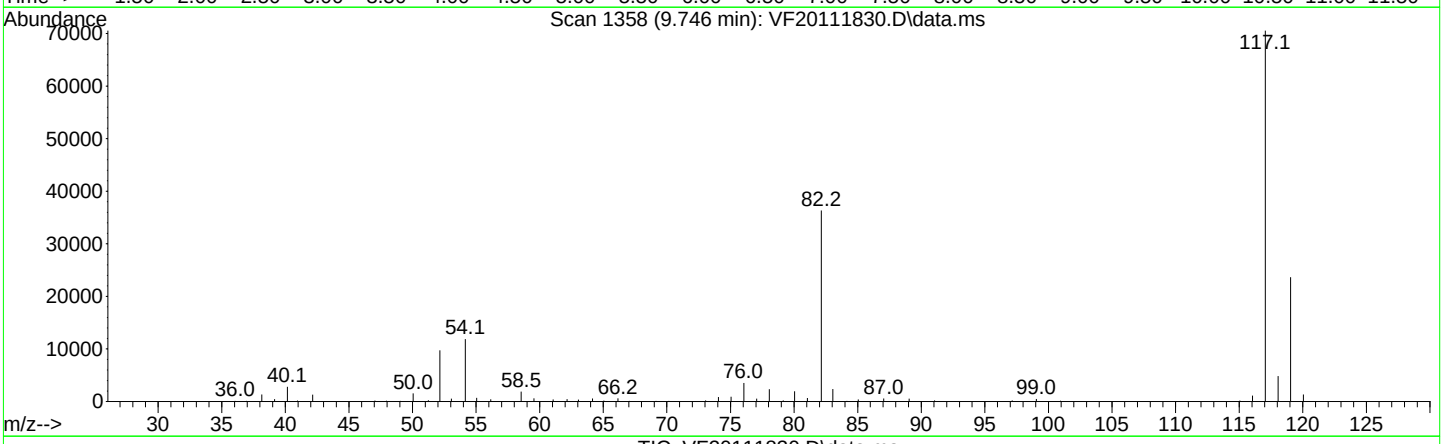
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111830.D
Acq On : 19 Nov 2020 6:18 am
Operator : TNL
Sample : 0k18062-CALF
Misc : 1X 5mL 500ppb GX DI+MeOH
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Nov 19 14:32:27 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Aug 13 22:40:04 2020
Response via : Initial Calibration





TIC: VF20111830.D\data.ms

(6) TPHg (C5-C9) (H)

9.745min (0.000) 366.00 ug/L m

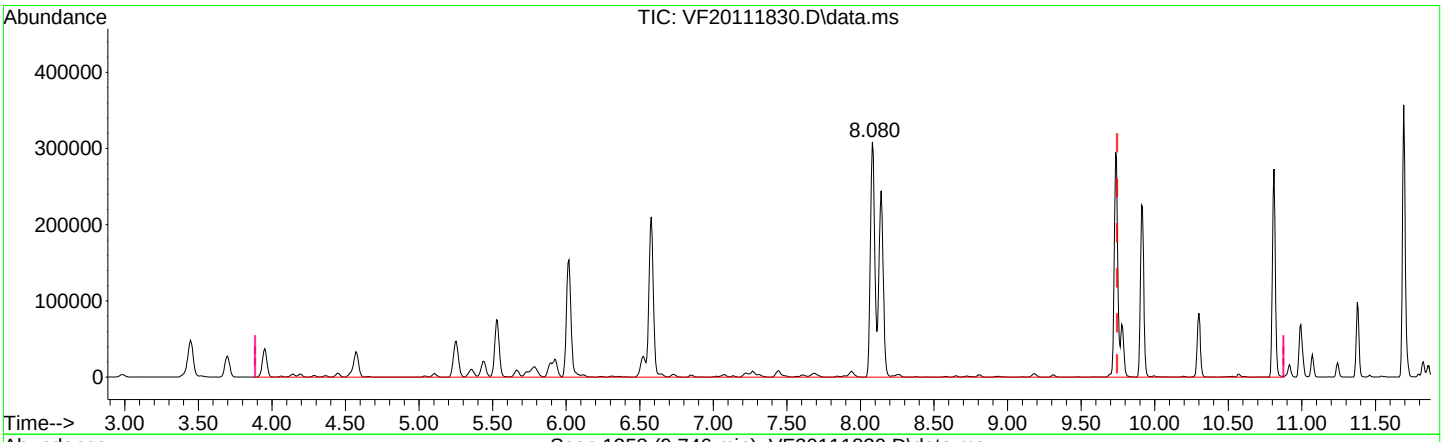
response 2308980

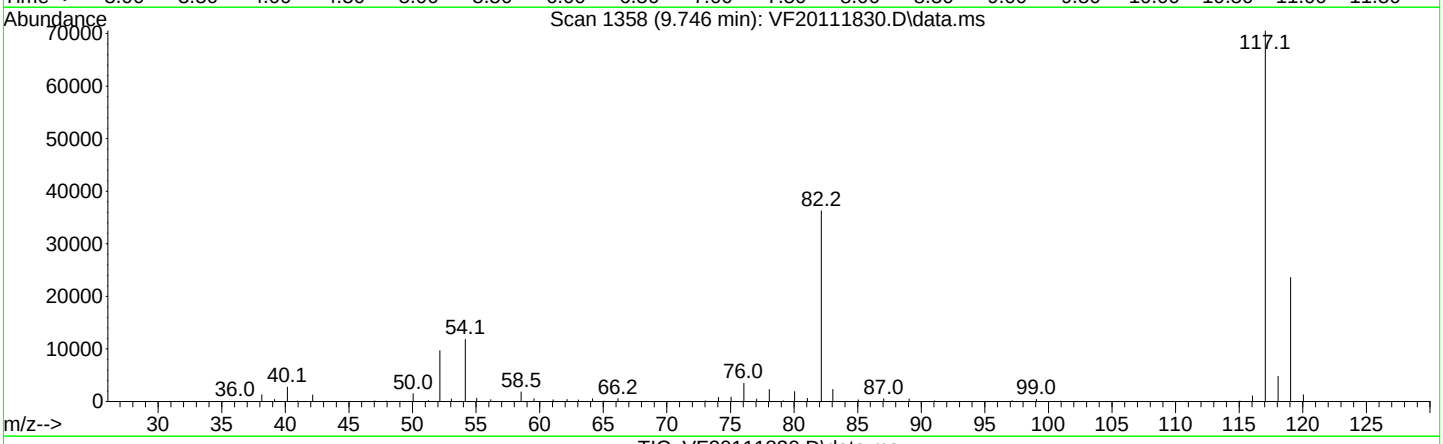
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111830.D
Acq On : 19 Nov 2020 6:18 am
Operator : TNL
Sample : 0k18062-CALF
Misc : 1X 5mL 500ppb GX DI+MeOH
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Nov 19 14:32:27 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Aug 13 22:40:04 2020
Response via : Initial Calibration





TIC: VF20111830.D\data.ms

(7) TPHg (C6-C10) (H)

9.745min (0.000) 375.38 ug/L m

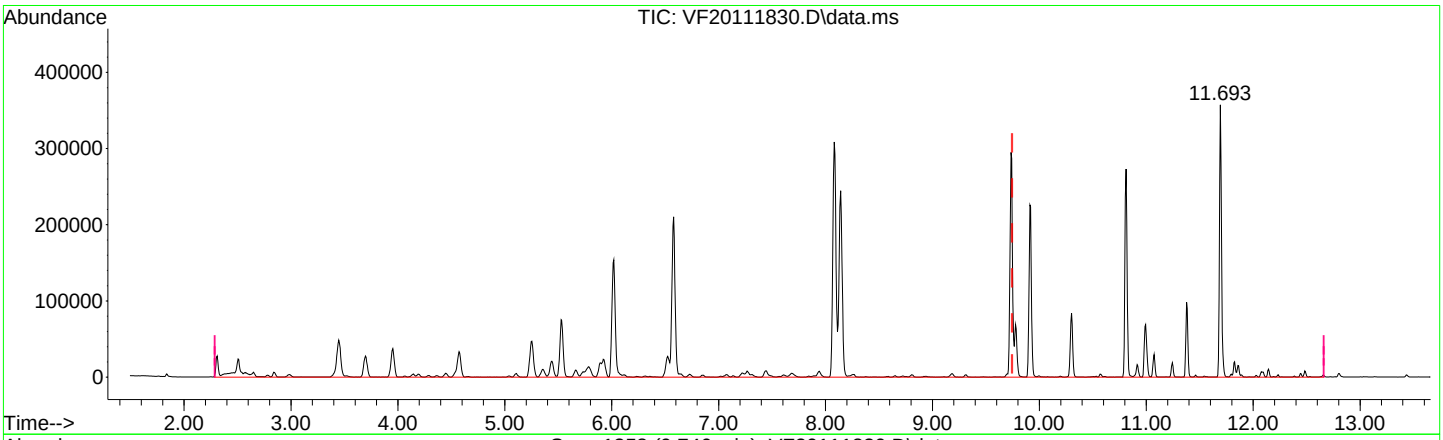
response 2000281

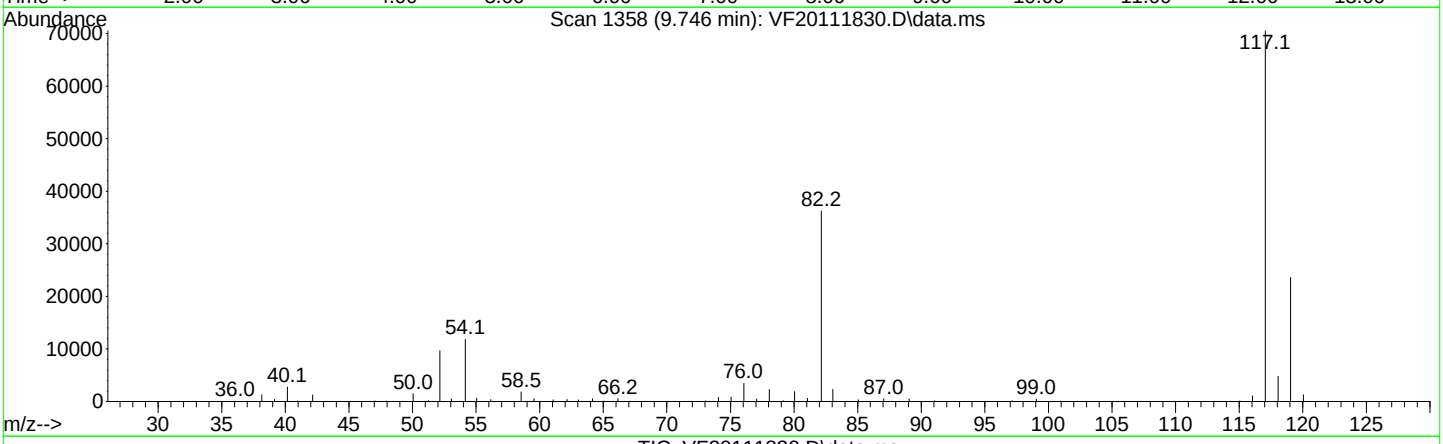
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111830.D
Acq On : 19 Nov 2020 6:18 am
Operator : TNL
Sample : 0k18062-CALF
Misc : 1X 5mL 500ppb GX DI+MeOH
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Nov 19 14:32:27 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Aug 13 22:40:04 2020
Response via : Initial Calibration





TIC: VF20111830.D\data.ms

(8) CA-LUFT (C5-C12) (H)

9.745min (0.000) 368.06 ug/L m

response 2739362

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111830.D
Acq On : 19 Nov 2020 6:18 am
Operator : TNL
Sample : 0k18062-CALF 11/20/20 TNL
Misc : 1X 5mL 500ppb GX DI+MeOH
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Nov 19 14:32:57 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Aug 13 22:40:04 2020
Response via : Initial Calibration

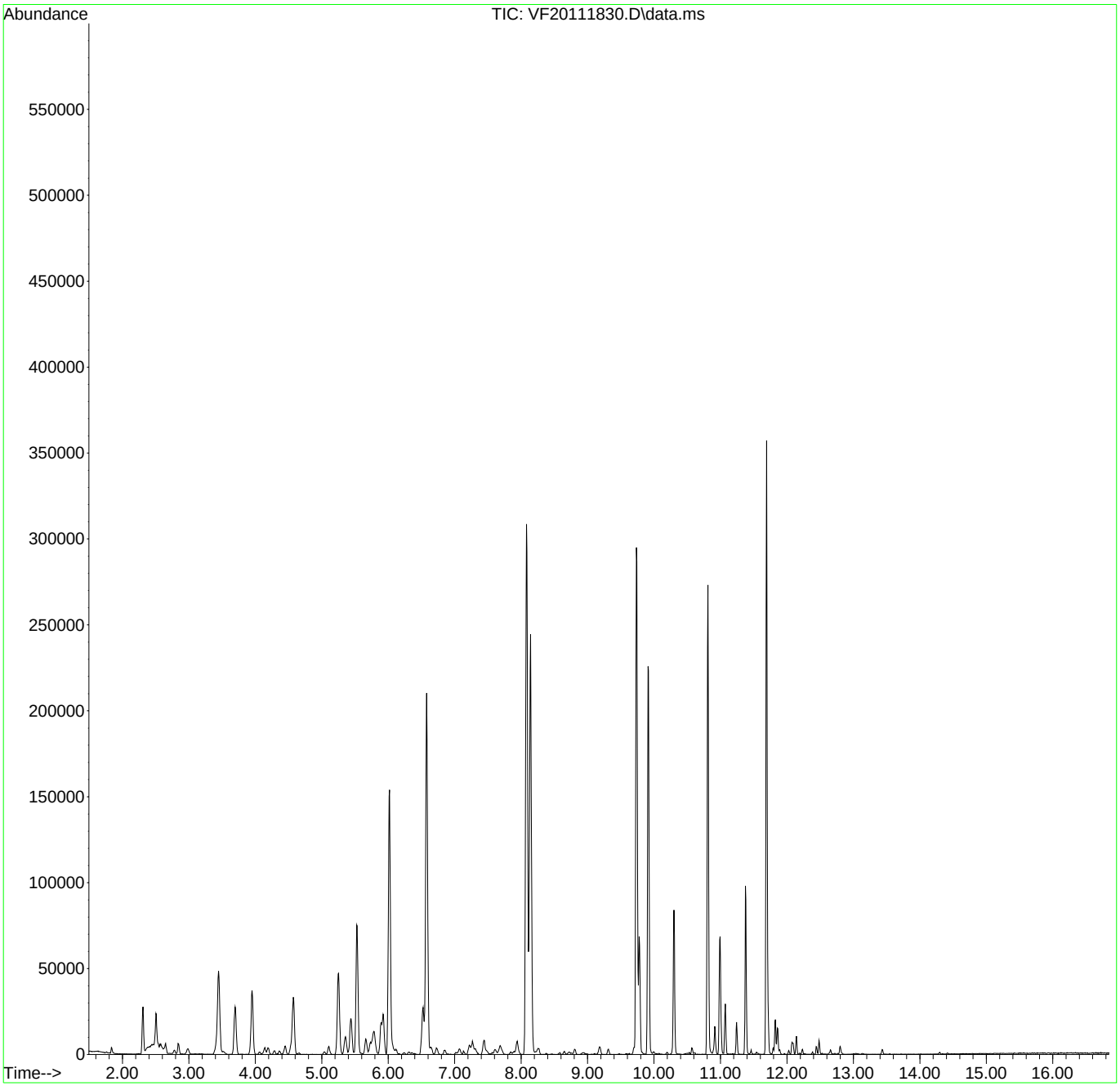
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.019	168	123418	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.578	TIC	443498	41.68	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.811	TIC	379419	44.11	ug/L	0.00
4) Chlorobenzene-d5 (NR)	9.734	TIC	497269	0.00	ug/L	0.00
10) Toluene-d8 (NR)	8.080	TIC	630111	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.693	TIC	468478	0.00	ug/L	0.00
Target Compounds						Qvalue
5) NWTPH-Gx	9.745	TIC	1824766m	404.55	ug/L	
6) TPHg (C5-C9)	9.745	TIC	2308980m	366.00	ug/L	
7) TPHg (C6-C10)	9.745	TIC	2000281m	375.38	ug/L	
8) CA-LUFT (C5-C12)	9.745	TIC	2739362m	368.06	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111830.D
Acq On : 19 Nov 2020 6:18 am
Operator : TNL
Sample : 0k18062-CALF
Misc : 1X 5mL 500ppb GX DI+MeOH
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Nov 19 14:32:57 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Aug 13 22:40:04 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111831.D
Acq On : 19 Nov 2020 6:45 am
Operator : TNL
Sample : 0k18062-CALG
Misc : 1X 5mL 1000ppb GX DI+MeOH
ALS Vial : 31 Sample Multiplier: 1

11/20/20 TNL

Quant Time: Nov 19 14:33:03 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Aug 13 22:40:04 2020
Response via : Initial Calibration

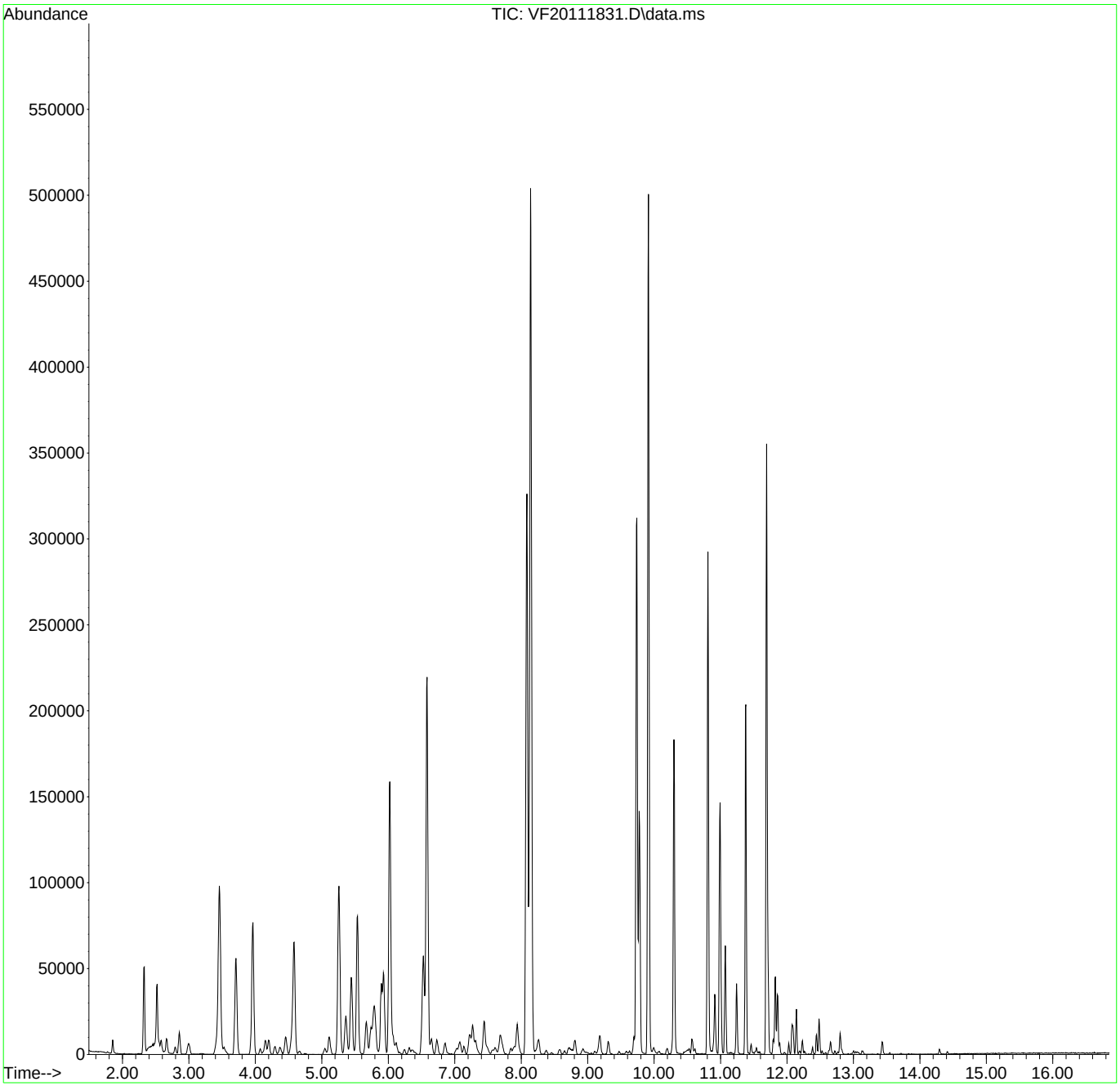
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.024	168	127015	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.584	TIC	462484	42.23	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.810	TIC	395002	44.62	ug/L	0.00
4) Chlorobenzene-d5 (NR)	9.740	TIC	541126	0.00	ug/L	0.00
10) Toluene-d8 (NR)	8.086	TIC	661675	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.692	TIC	516297	0.00	ug/L	0.00
Target Compounds						Qvalue
5) NWTPH-Gx	9.745	TIC	4007064m	832.26	ug/L	
6) TPHg (C5-C9)	9.745	TIC	4859315m	774.30	ug/L	
7) TPHg (C6-C10)	9.745	TIC	4232554m	789.53	ug/L	
8) CA-LUFT (C5-C12)	9.745	TIC	5875079m	779.70	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111831.D
Acq On : 19 Nov 2020 6:45 am
Operator : TNL
Sample : 0k18062-CALG
Misc : 1X 5mL 1000ppb GX DI+MeOH
ALS Vial : 31 Sample Multiplier: 1

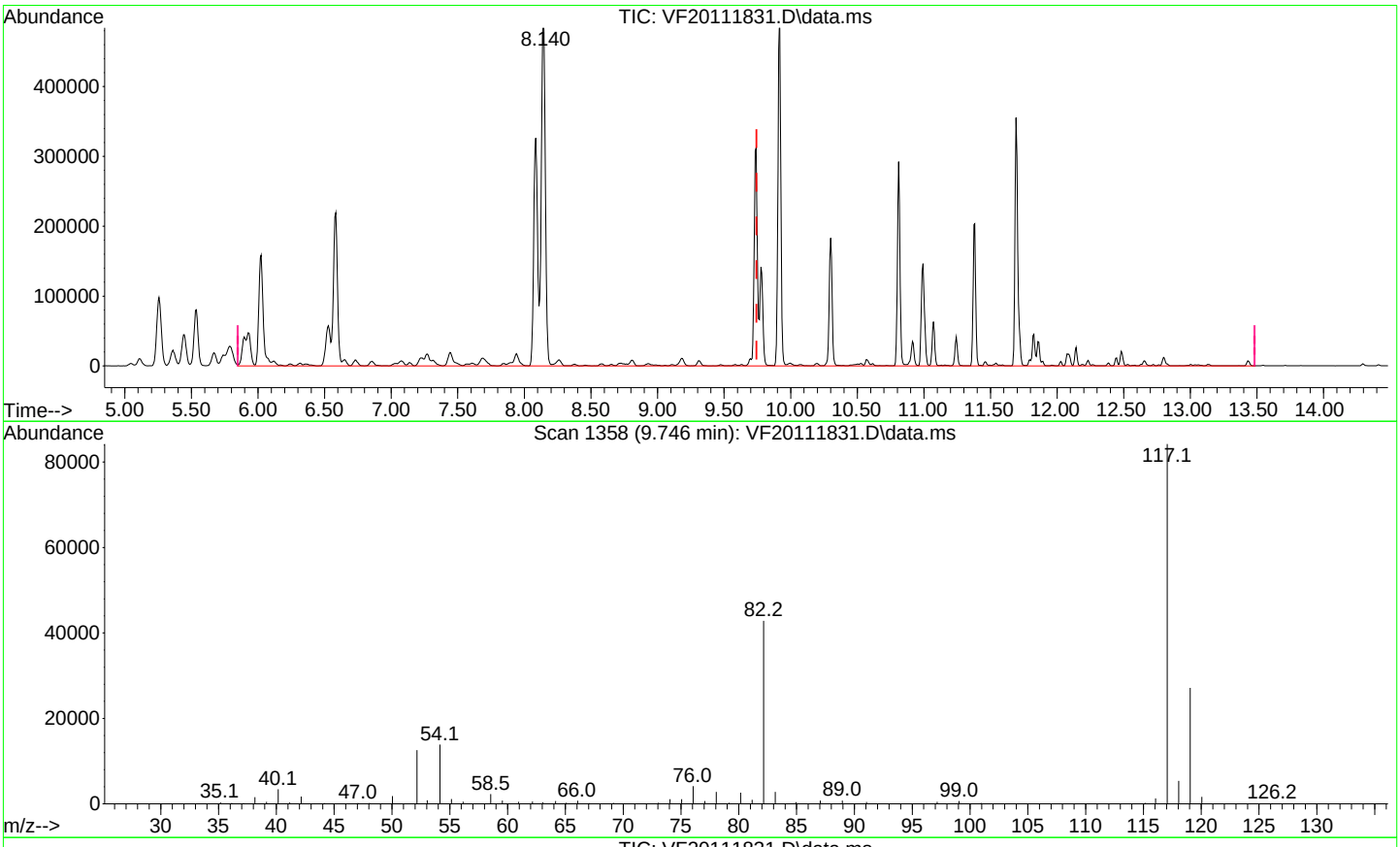
Quant Time: Nov 19 14:33:03 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Aug 13 22:40:04 2020
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111831.D
Acq On : 19 Nov 2020 6:45 am
Operator : TNL
Sample : 0k18062-CALG
Misc : 1X 5mL 1000ppb GX DI+MeOH
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Nov 19 14:33:03 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Aug 13 22:40:04 2020
Response via : Initial Calibration



TIC: VF20111831.D\data.ms

(5) NWTPH-Gx (H)

9.745min (0.000) 832.26 ug/L m

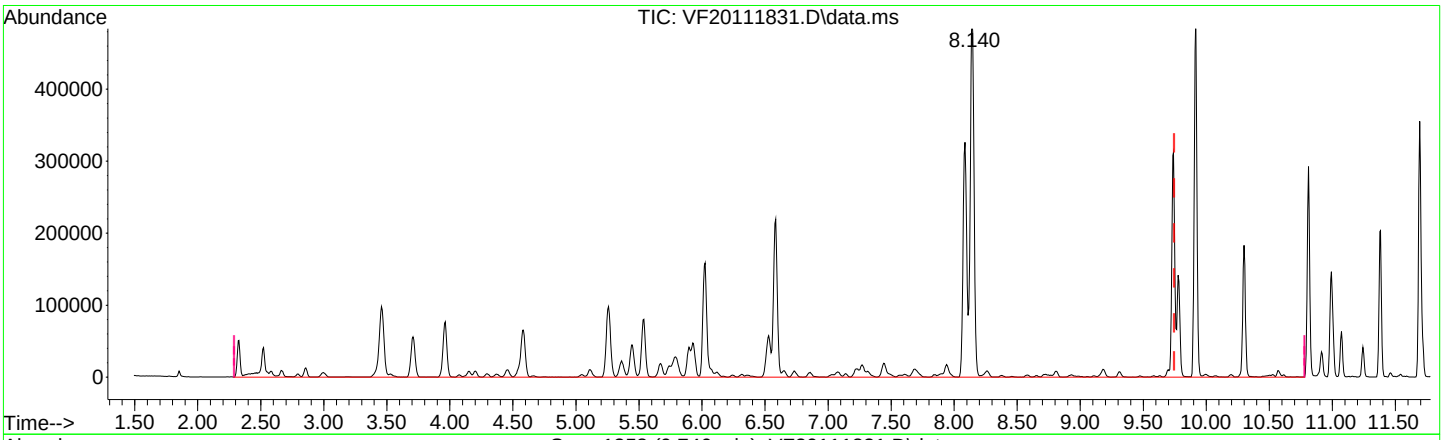
response 4007064

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111831.D
Acq On : 19 Nov 2020 6:45 am
Operator : TNL
Sample : 0k18062-CALG
Misc : 1X 5mL 1000ppb GX DI+MeOH
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Nov 19 14:33:03 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Aug 13 22:40:04 2020
Response via : Initial Calibration



TIC: VF20111831.D\data.ms

(6) TPHg (C5-C9) (H)

9.745min (0.000) 774.30 ug/L m

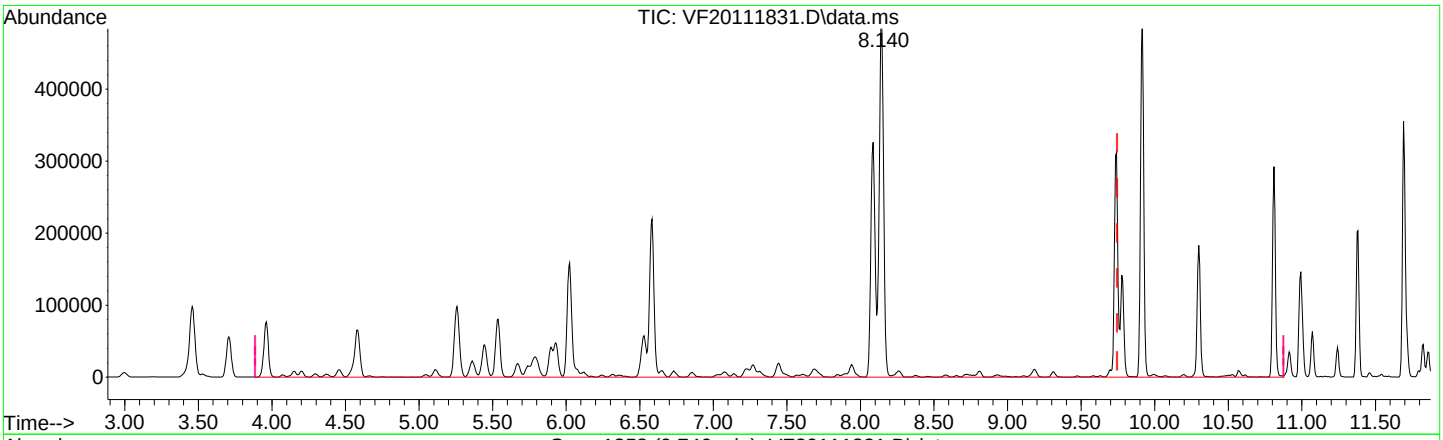
response 4859315

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111831.D
Acq On : 19 Nov 2020 6:45 am
Operator : TNL
Sample : 0k18062-CALG
Misc : 1X 5mL 1000ppb GX DI+MeOH
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Nov 19 14:33:03 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Aug 13 22:40:04 2020
Response via : Initial Calibration



TIC: VF20111831.D\data.ms

(7) TPHg (C6-C10) (H)

9.745min (0.000) 789.53 ug/L m

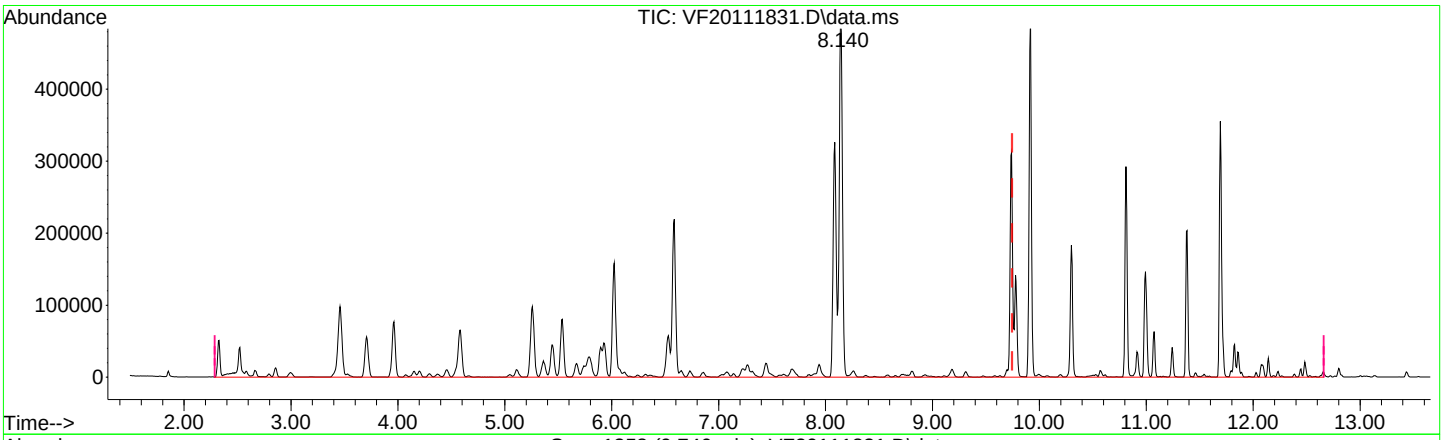
response 4232554

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111831.D
Acq On : 19 Nov 2020 6:45 am
Operator : TNL
Sample : 0k18062-CALG
Misc : 1X 5mL 1000ppb GX DI+MeOH
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Nov 19 14:33:03 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Aug 13 22:40:04 2020
Response via : Initial Calibration



TIC: VF20111831.D\data.ms

(8) CA-LUFT (C5-C12) (H)

9.745min (0.000) 779.70 ug/L m

response 5875079

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111831.D
Acq On : 19 Nov 2020 6:45 am
Operator : TNL
Sample : 0k18062-CALG
Misc : 1X 5mL 1000ppb GX DI+MeOH
ALS Vial : 31 Sample Multiplier: 1

11/20/20 TNL

Quant Time: Nov 19 14:33:03 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Aug 13 22:40:04 2020
Response via : Initial Calibration

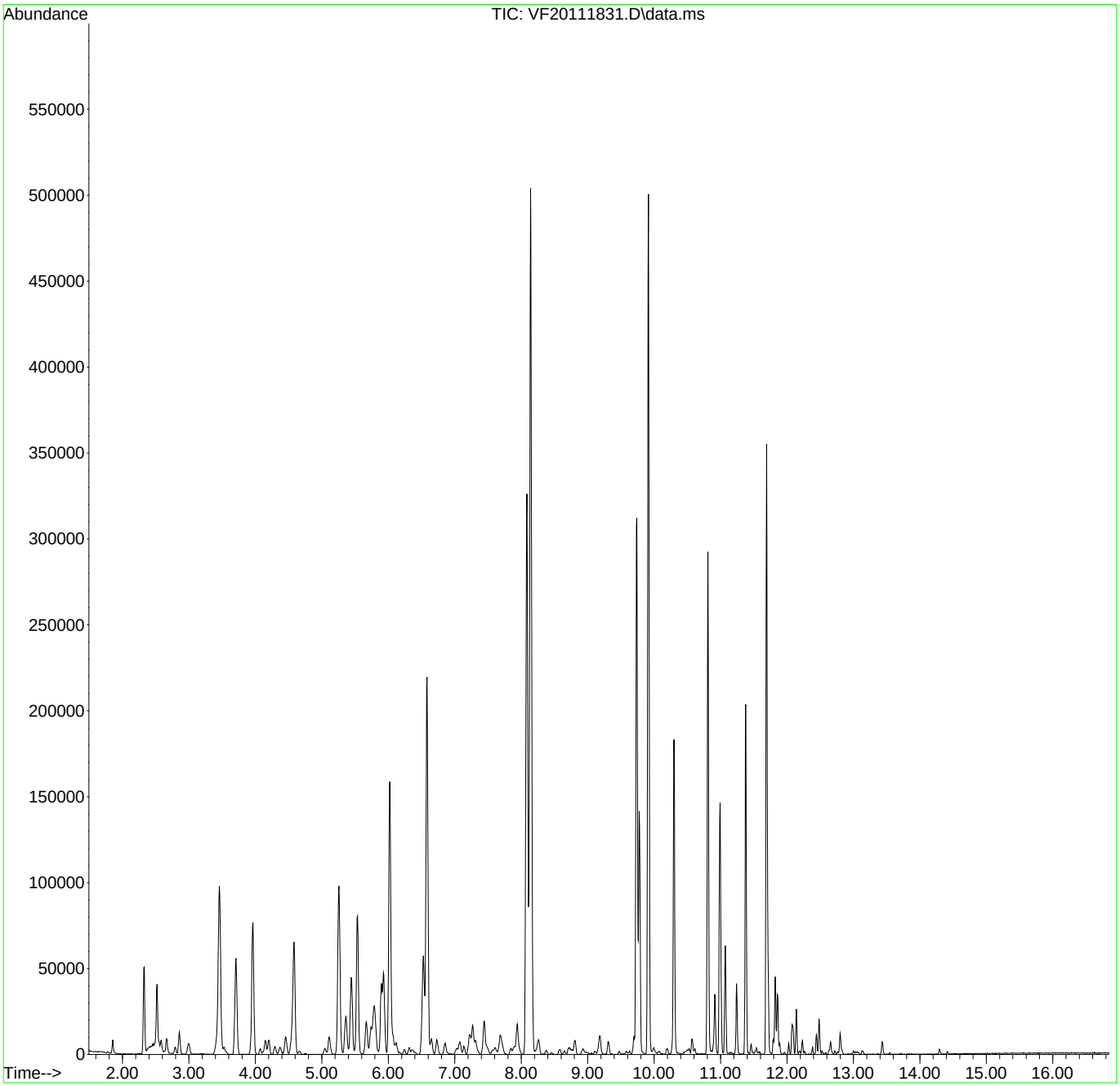
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.024	168	127015	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.584	TIC	462484	42.23	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.810	TIC	395002	44.62	ug/L	0.00
4) Chlorobenzene-d5 (NR)	9.740	TIC	541126	0.00	ug/L	0.00
10) Toluene-d8 (NR)	8.086	TIC	661675	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.692	TIC	516297	0.00	ug/L	0.00
Target Compounds						Qvalue
5) NWTPH-Gx	9.745	TIC	4007064m	832.26	ug/L	
6) TPHg (C5-C9)	9.745	TIC	4859315m	774.30	ug/L	
7) TPHg (C6-C10)	9.745	TIC	4232554m	789.53	ug/L	
8) CA-LUFT (C5-C12)	9.745	TIC	5875079m	779.70	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111831.D
Acq On : 19 Nov 2020 6:45 am
Operator : TNL
Sample : 0k18062-CALG
Misc : 1X 5mL 1000ppb GX DI+MeOH
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Nov 19 14:33:03 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Aug 13 22:40:04 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111832.D
Acq On : 19 Nov 2020 7:12 am
Operator : TNL
Sample : 0k18062-CALH
Misc : 1X 5mL 2500ppb GX DI+MeOH
ALS Vial : 32 Sample Multiplier: 1

11/20/20 TNL

Quant Time: Nov 19 14:33:48 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Aug 13 22:40:04 2020
Response via : Initial Calibration

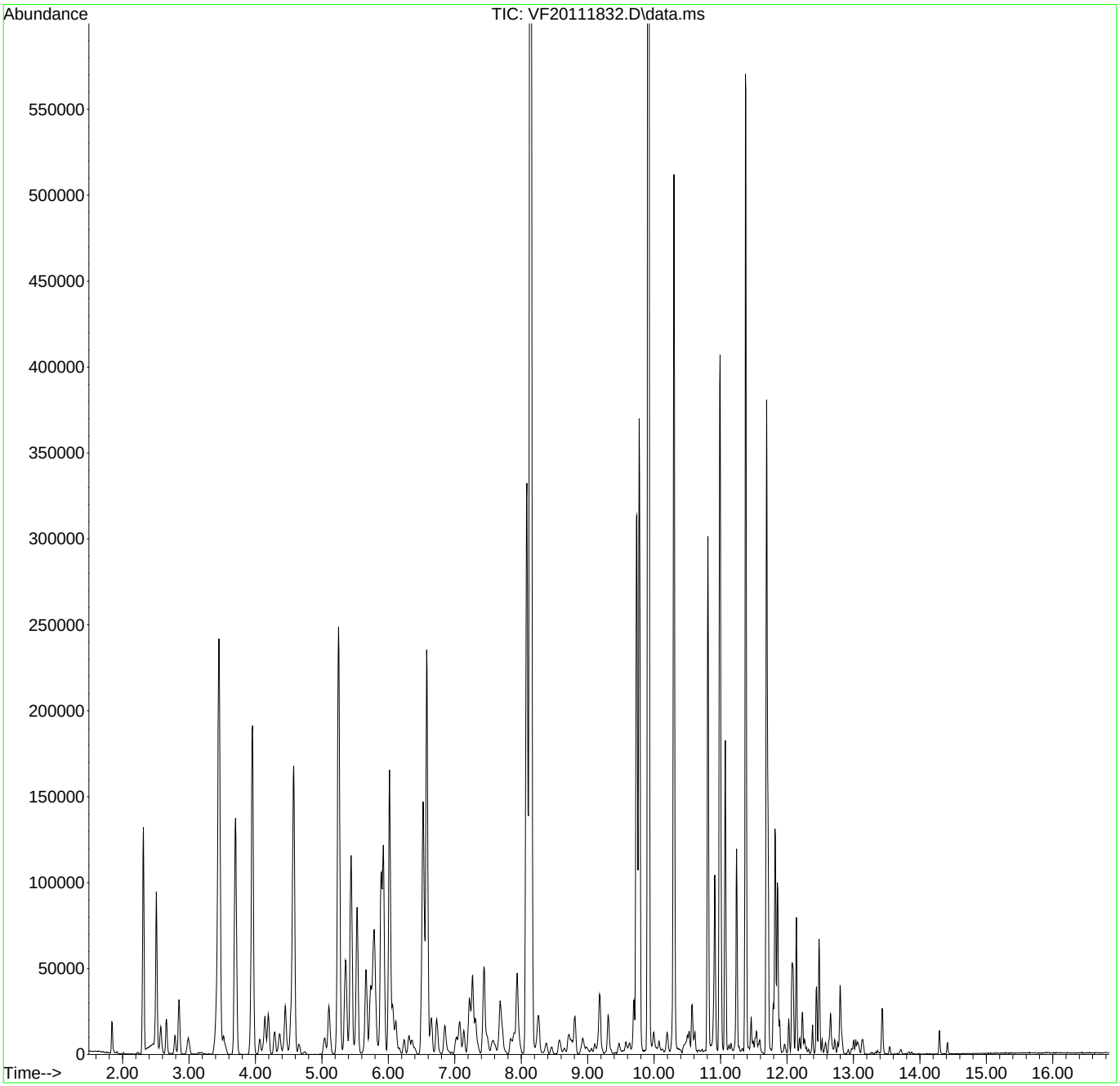
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.017	168	128783	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.577	TIC	474171	42.70	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.809	TIC	412745	45.99	ug/L	0.00
4) Chlorobenzene-d5 (NR)	9.739	TIC	528375	0.00	ug/L	0.00
10) Toluene-d8 (NR)	8.085	TIC	717133	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.691	TIC	649558	0.00	ug/L	0.00
Target Compounds						Qvalue
5) NWTPH-Gx	9.745	TIC	11005006m	2144.75	ug/L	
6) TPHg (C5-C9)	9.745	TIC	12376262m	1947.79	ug/L	
7) TPHg (C6-C10)	9.745	TIC	10892125m	1989.82	ug/L	
8) CA-LUFT (C5-C12)	9.745	TIC	15369366m	1984.07	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111832.D
Acq On : 19 Nov 2020 7:12 am
Operator : TNL
Sample : 0k18062-CALH
Misc : 1X 5mL 2500ppb GX DI+MeOH
ALS Vial : 32 Sample Multiplier: 1

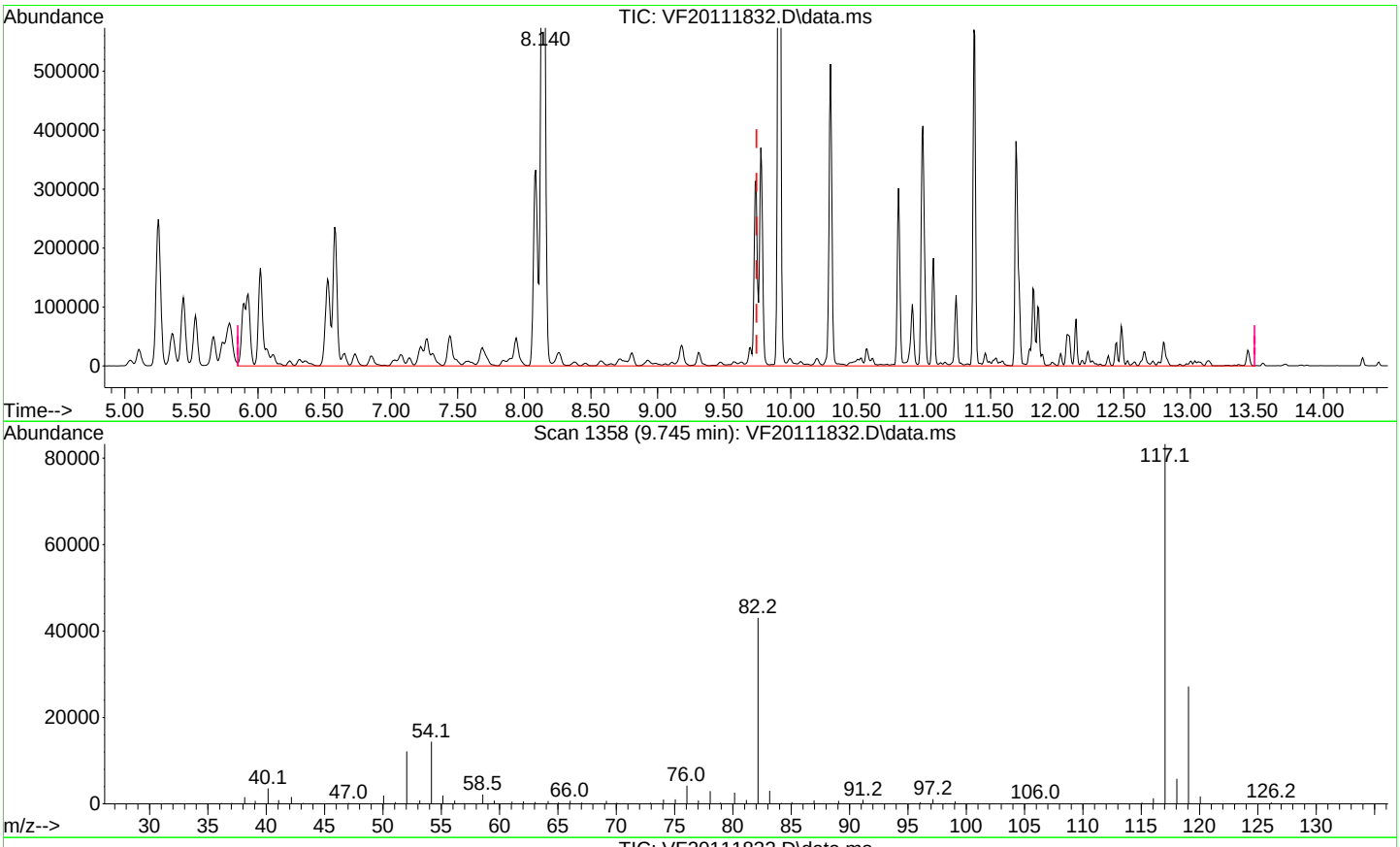
Quant Time: Nov 19 14:33:48 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Aug 13 22:40:04 2020
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111832.D
Acq On : 19 Nov 2020 7:12 am
Operator : TNL
Sample : 0k18062-CALH
Misc : 1X 5mL 2500ppb GX DI+MeOH
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Nov 19 14:33:48 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Aug 13 22:40:04 2020
Response via : Initial Calibration



TIC: VF20111832.D\data.ms

(5) NWTPH-Gx (H)

9.745min (0.000) 2144.75 ug/L m

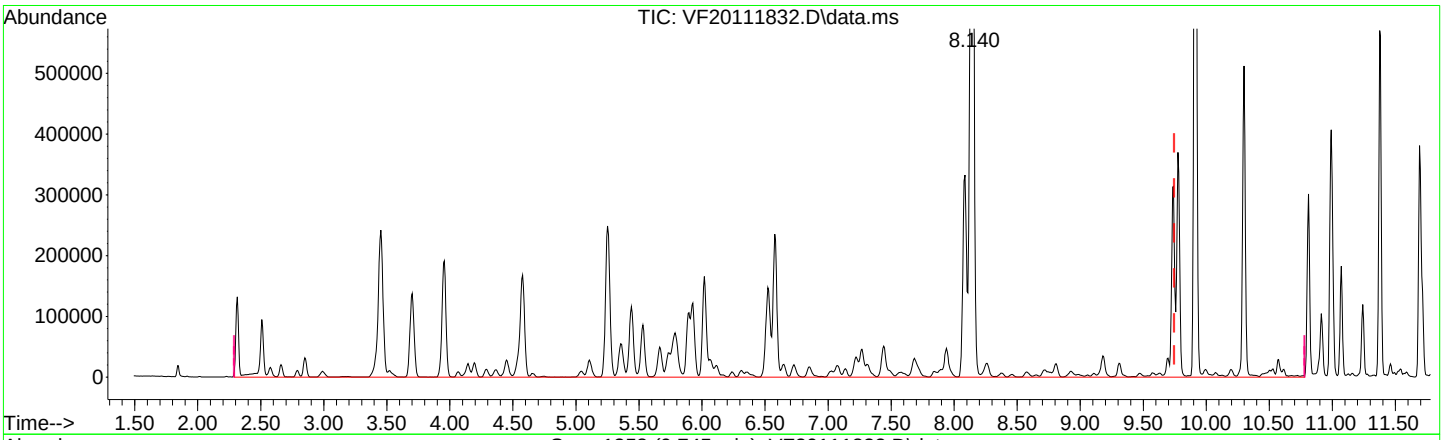
response 11005006

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111832.D
Acq On : 19 Nov 2020 7:12 am
Operator : TNL
Sample : 0k18062-CALH
Misc : 1X 5mL 2500ppb GX DI+MeOH
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Nov 19 14:33:48 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Aug 13 22:40:04 2020
Response via : Initial Calibration



TIC: VF20111832.D\data.ms

(6) TPHg (C5-C9) (H)

9.745min (0.000) 1947.79 ug/L m

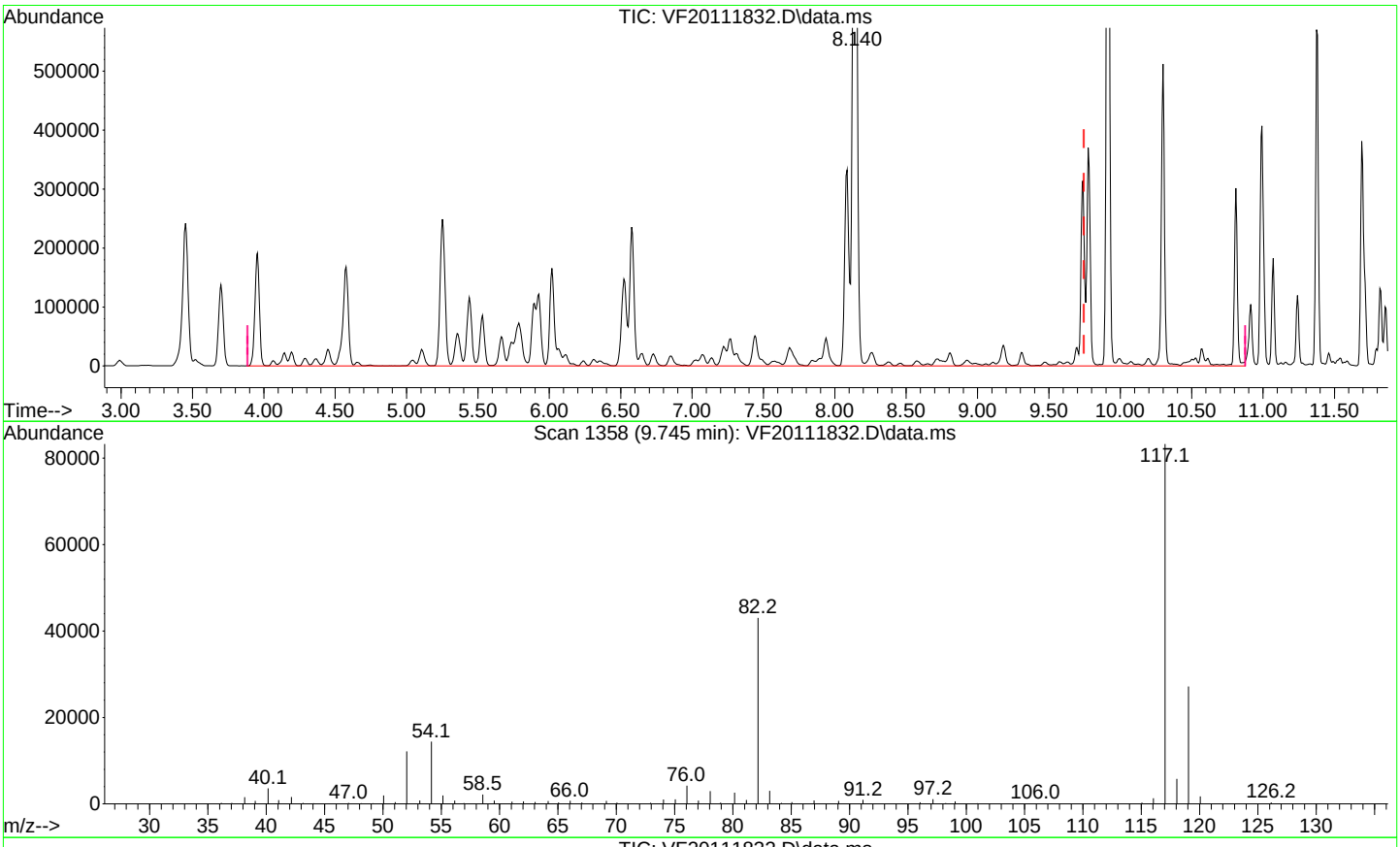
response 12376262

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111832.D
Acq On : 19 Nov 2020 7:12 am
Operator : TNL
Sample : 0k18062-CALH
Misc : 1X 5mL 2500ppb GX DI+MeOH
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Nov 19 14:33:48 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Aug 13 22:40:04 2020
Response via : Initial Calibration



TIC: VF20111832.D\data.ms

(7) TPHg (C6-C10) (H)

9.745min (0.000) 1989.82 ug/L m

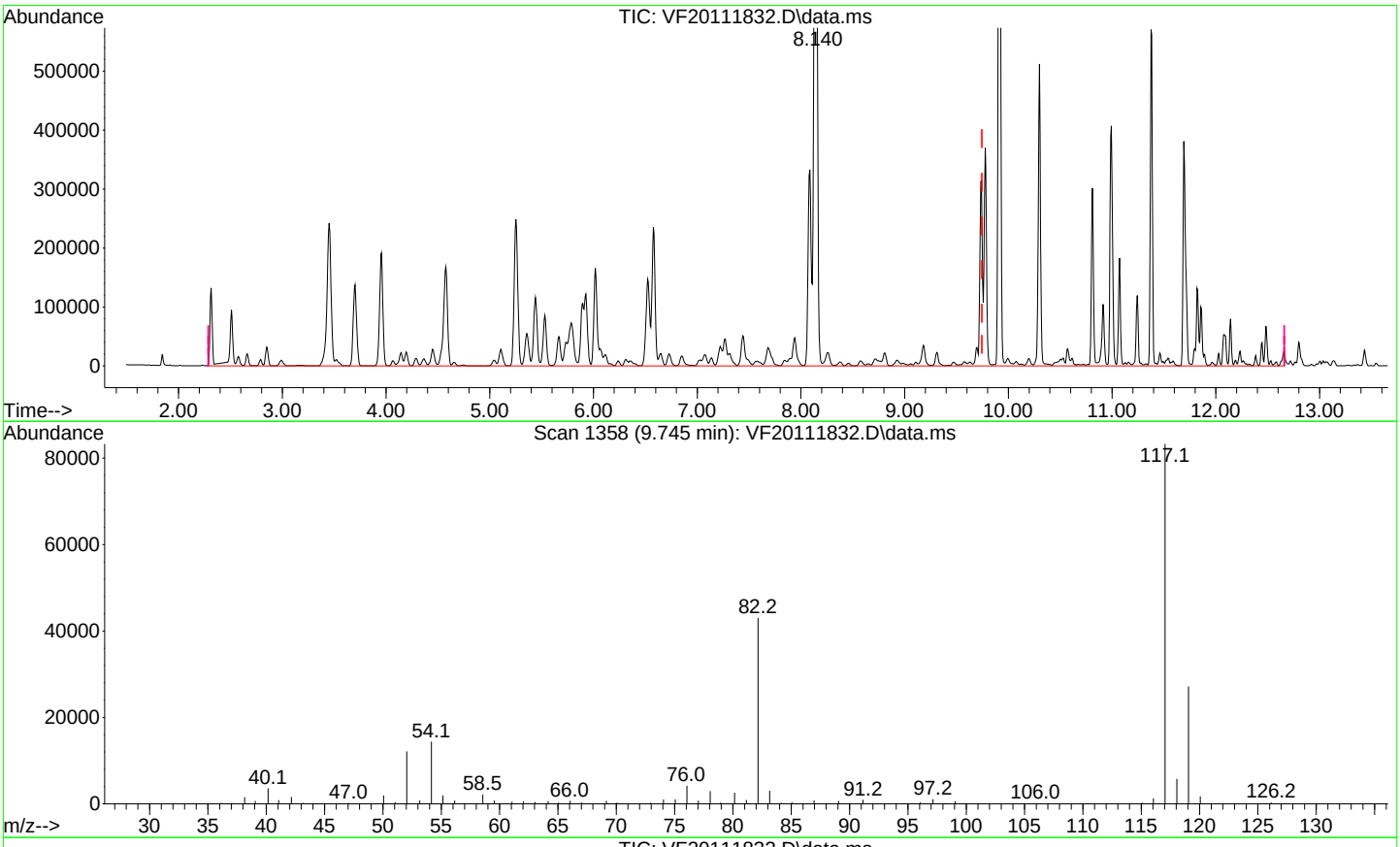
response 10892125

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111832.D
Acq On : 19 Nov 2020 7:12 am
Operator : TNL
Sample : 0k18062-CALH
Misc : 1X 5mL 2500ppb GX DI+MeOH
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Nov 19 14:33:48 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Aug 13 22:40:04 2020
Response via : Initial Calibration



TIC: VF20111832.D\data.ms

(8) CA-LUFT (C5-C12) (H)

9.745min (0.000) 1984.07 ug/L m

response 15369366

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111832.D
Acq On : 19 Nov 2020 7:12 am
Operator : TNL
Sample : 0k18062-CALH
Misc : 1X 5mL 2500ppb GX DI+MeOH
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Nov 19 14:33:48 2020
Quant Method : Y:\METHODS\VF201119G.M 11/20/20 TNL
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Aug 13 22:40:04 2020
Response via : Initial Calibration

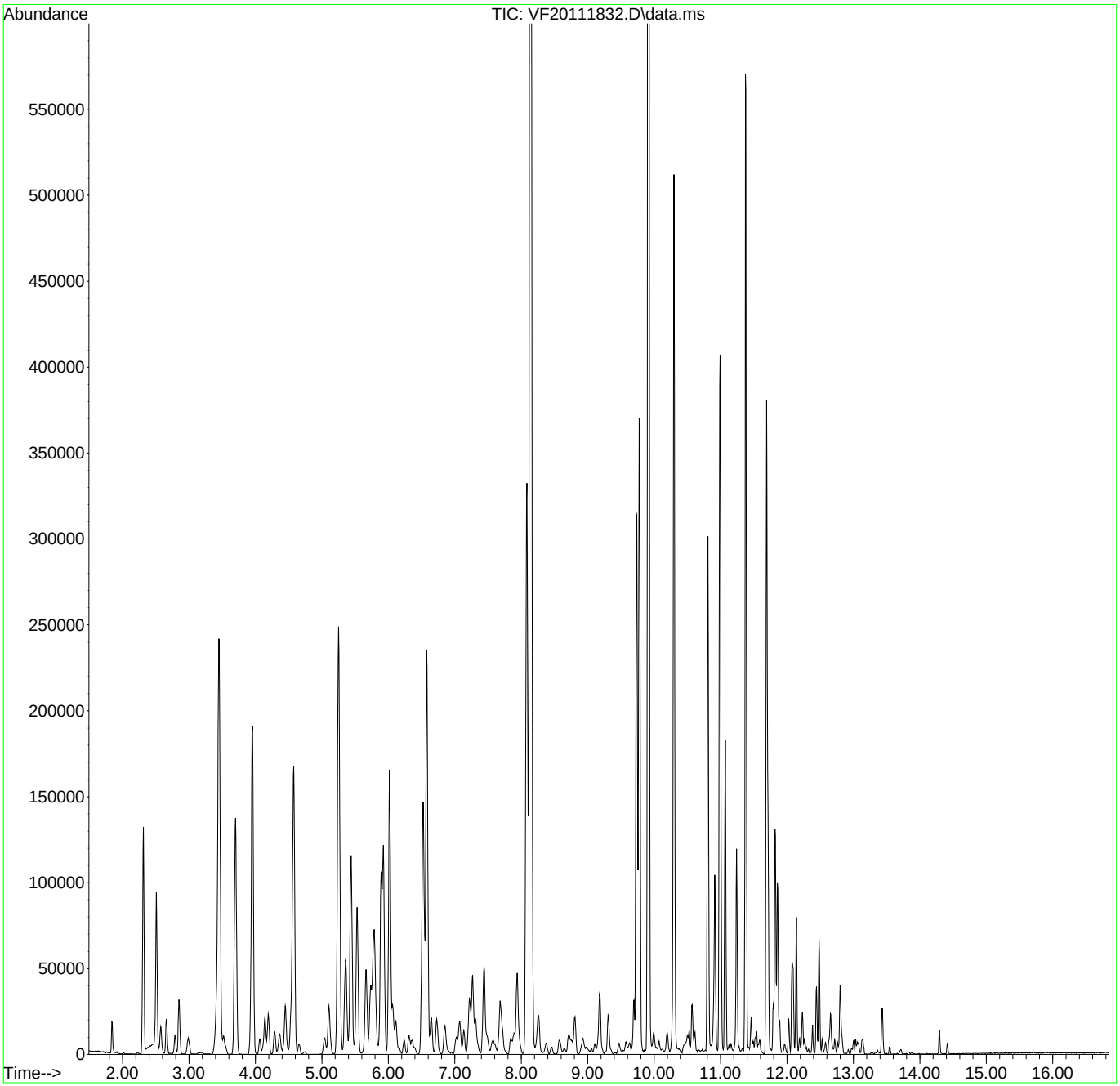
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.017	168	128783	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.577	TIC	474171	42.70	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.809	TIC	412745	45.99	ug/L	0.00
4) Chlorobenzene-d5 (NR)	9.739	TIC	528375	0.00	ug/L	0.00
10) Toluene-d8 (NR)	8.085	TIC	717133	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.691	TIC	649558	0.00	ug/L	0.00
Target Compounds						Qvalue
5) NWTPH-Gx	9.745	TIC	11005006m	2144.75	ug/L	
6) TPHg (C5-C9)	9.745	TIC	12376262m	1947.79	ug/L	
7) TPHg (C6-C10)	9.745	TIC	10892125m	1989.82	ug/L	
8) CA-LUFT (C5-C12)	9.745	TIC	15369366m	1984.07	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111832.D
Acq On : 19 Nov 2020 7:12 am
Operator : TNL
Sample : 0k18062-CALH
Misc : 1X 5mL 2500ppb GX DI+MeOH
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Nov 19 14:33:48 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Aug 13 22:40:04 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111833.D
Acq On : 19 Nov 2020 7:39 am
Operator : TNL
Sample : 0k18062-CALI
Misc : 1X 5mL 5000ppb GX DI+MeOH 11/20/20 TNL
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Nov 19 14:34:28 2020
Quant Method : Y:\METHODS\~~VF201119G.M~~
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Aug 13 22:40:04 2020
Response via : Initial Calibration

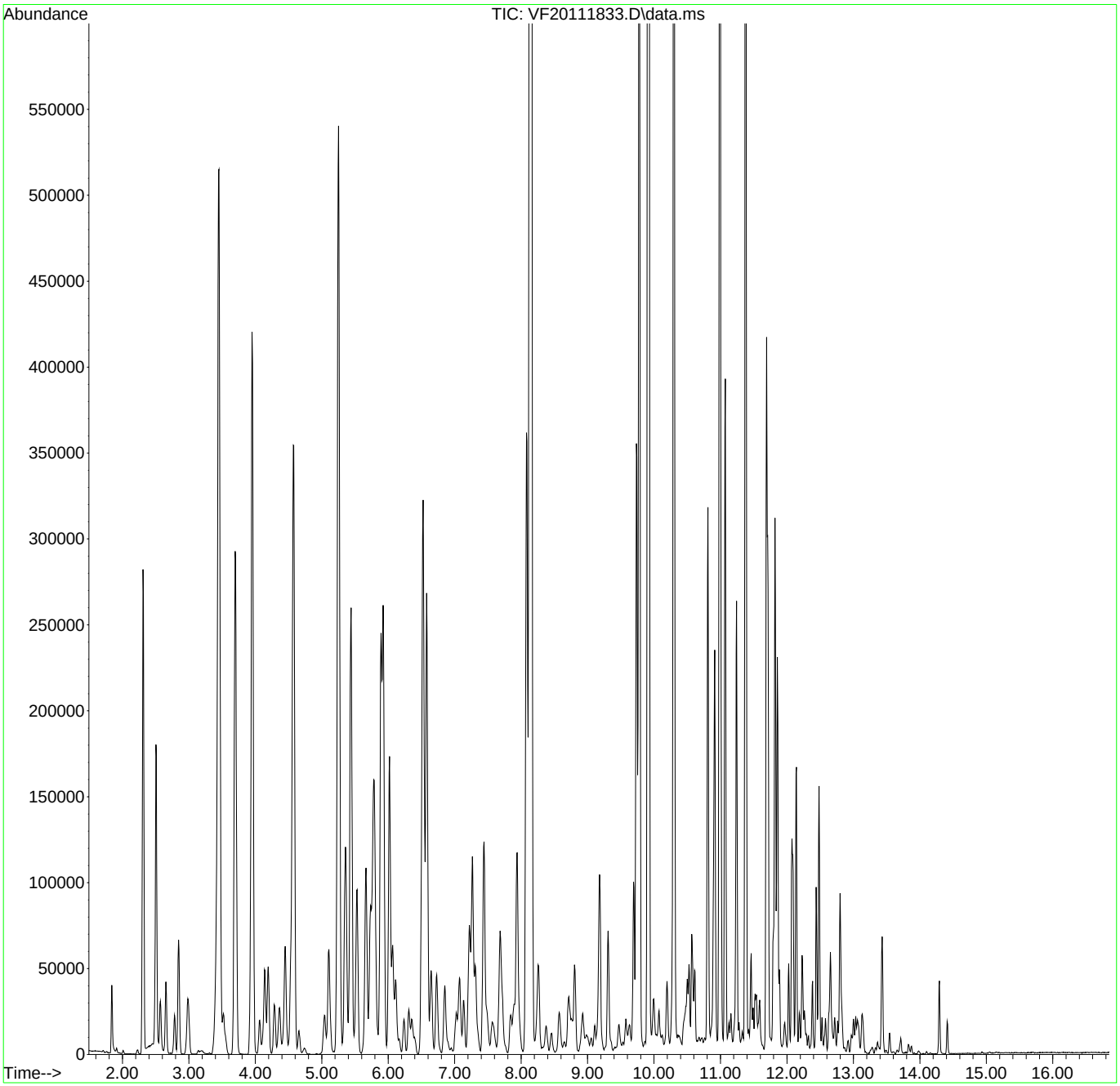
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.019	168	136091	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.578	TIC	549051	46.79	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.811	TIC	426374	44.95	ug/L	0.00
4) Chlorobenzene-d5 (NR)	9.734	TIC	550340	0.00	ug/L	0.00
10) Toluene-d8 (NR)	8.080	TIC	766991	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.692	TIC	876759	0.00	ug/L	0.00
Target Compounds						Qvalue
5) NWTPH-Gx	9.745	TIC	24336023m	4231.45	ug/L	
6) TPHg (C5-C9)	9.745	TIC	26793723m	3883.35	ug/L	
7) TPHg (C6-C10)	9.745	TIC	23788092m	3976.46	ug/L	
8) CA-LUFT (C5-C12)	9.745	TIC	34107788m	3999.30	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111833.D
Acq On : 19 Nov 2020 7:39 am
Operator : TNL
Sample : 0k18062-CALI
Misc : 1X 5mL 5000ppb GX DI+MeOH
ALS Vial : 33 Sample Multiplier: 1

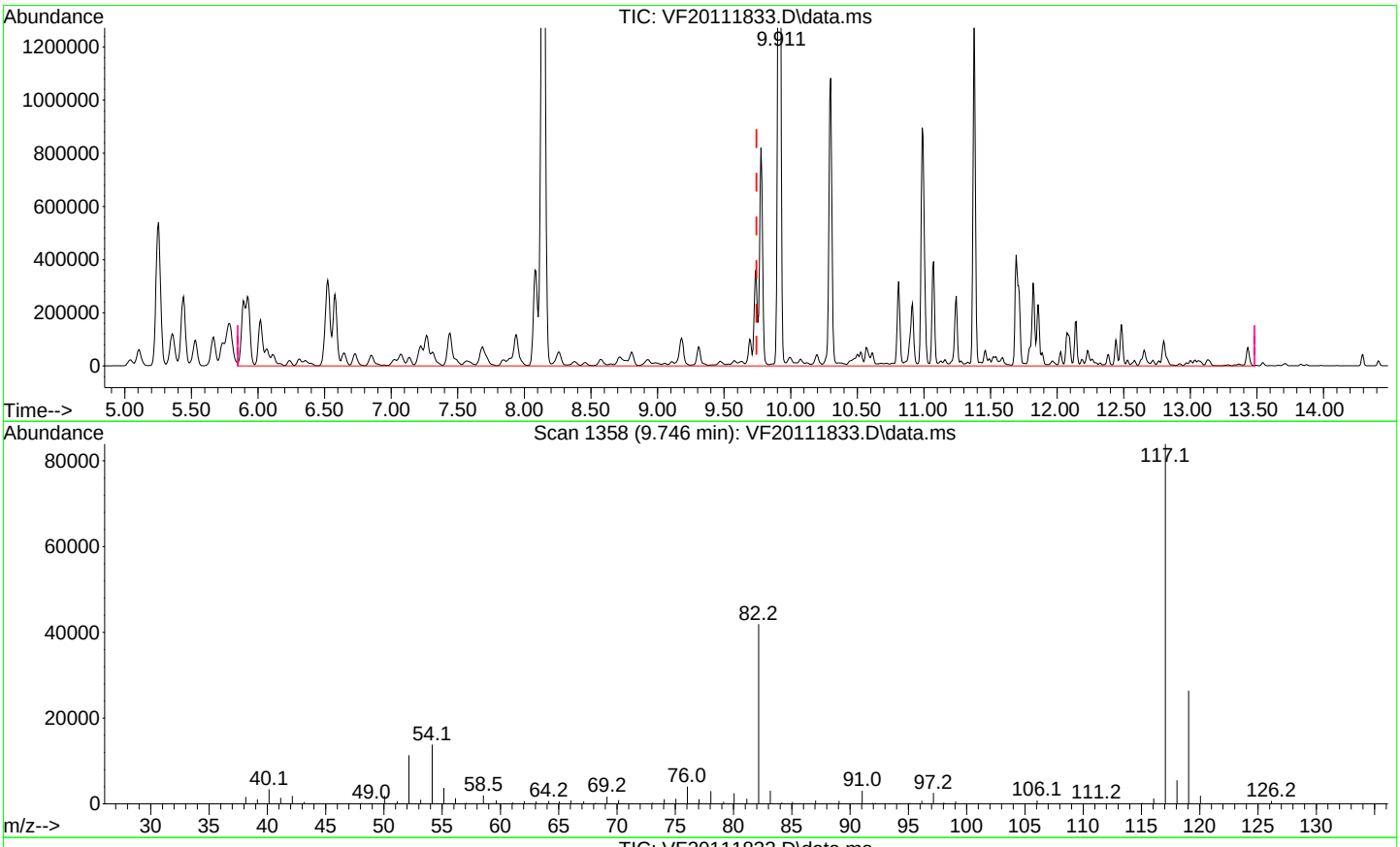
Quant Time: Nov 19 14:34:28 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Aug 13 22:40:04 2020
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111833.D
Acq On : 19 Nov 2020 7:39 am
Operator : TNL
Sample : 0k18062-CALI
Misc : 1X 5mL 5000ppb GX DI+MeOH
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Nov 19 14:34:28 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Aug 13 22:40:04 2020
Response via : Initial Calibration



TIC: VF20111833.D\data.ms

(5) NWTPH-Gx (H)

9.745min (0.000) 4231.45 ug/L m

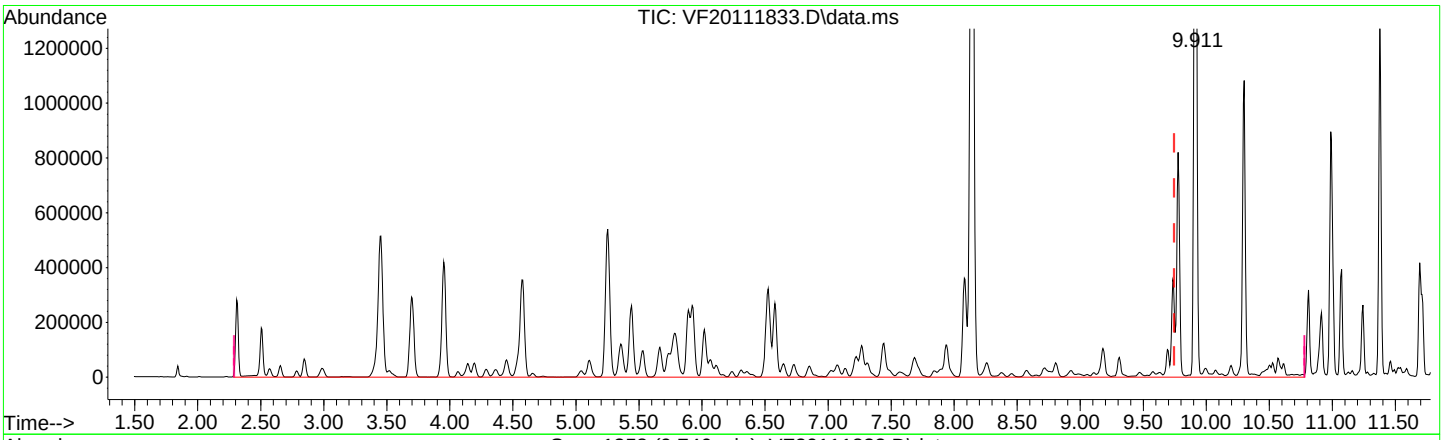
response 24336023

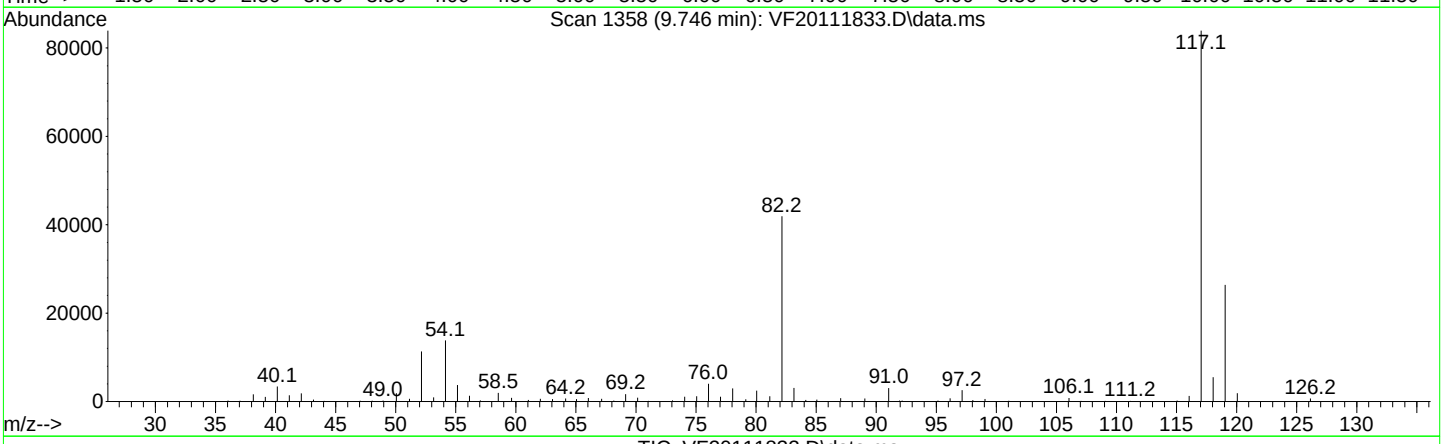
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111833.D
Acq On : 19 Nov 2020 7:39 am
Operator : TNL
Sample : 0k18062-CALI
Misc : 1X 5mL 5000ppb GX DI+MeOH
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Nov 19 14:34:28 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Aug 13 22:40:04 2020
Response via : Initial Calibration





TIC: VF20111833.D\data.ms

(6) TPHg (C5-C9) (H)

9.745min (0.000) 3883.35 ug/L m

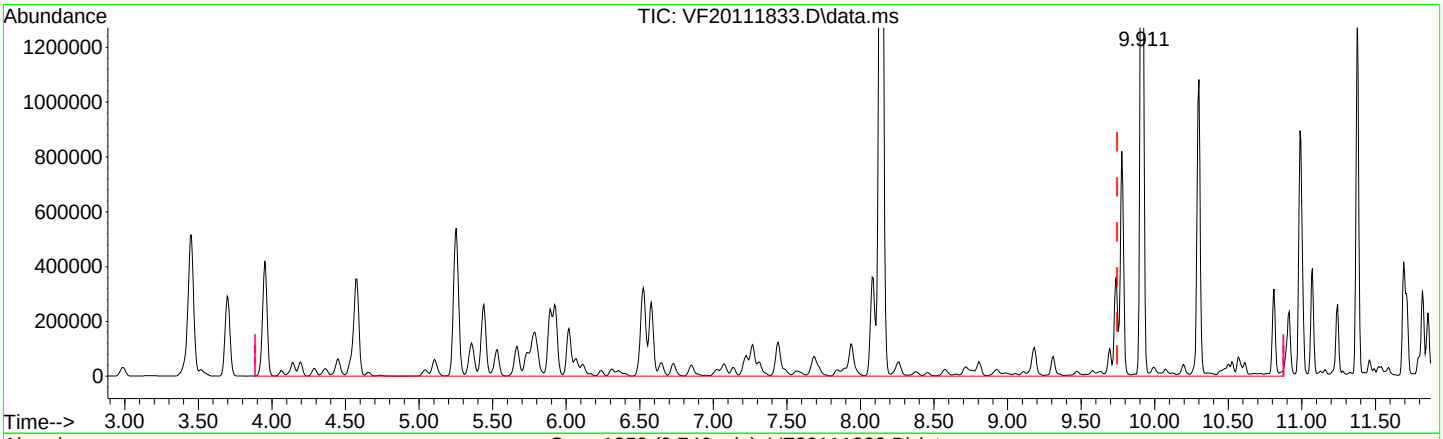
response 26793723

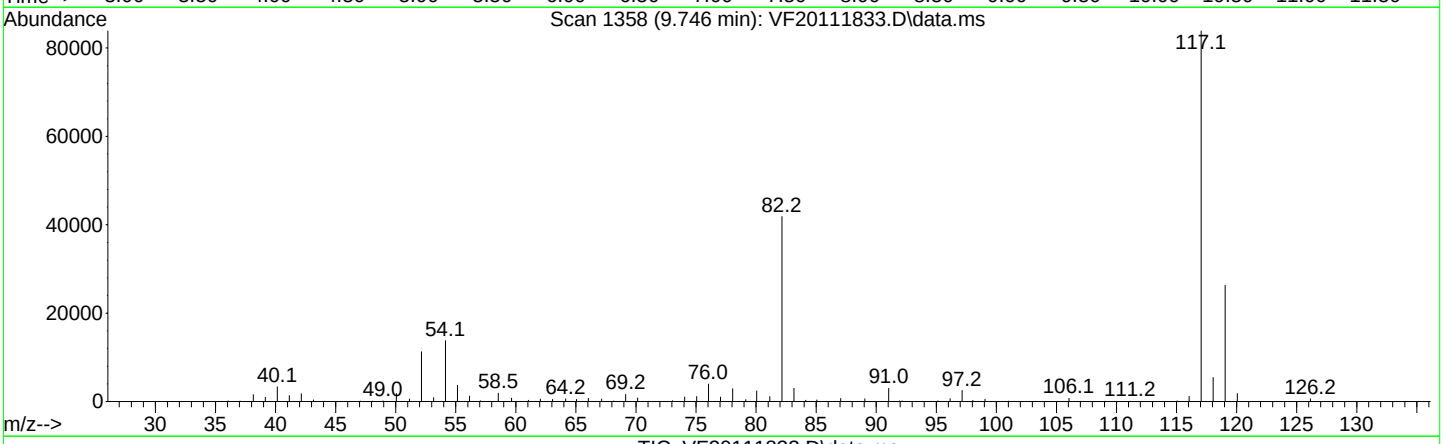
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111833.D
Acq On : 19 Nov 2020 7:39 am
Operator : TNL
Sample : 0k18062-CALI
Misc : 1X 5mL 5000ppb GX DI+MeOH
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Nov 19 14:34:28 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Aug 13 22:40:04 2020
Response via : Initial Calibration





TIC: VF20111833.D\data.ms

(7) TPHg (C6-C10) (H)

9.745min (0.000) 3976.46 ug/L m

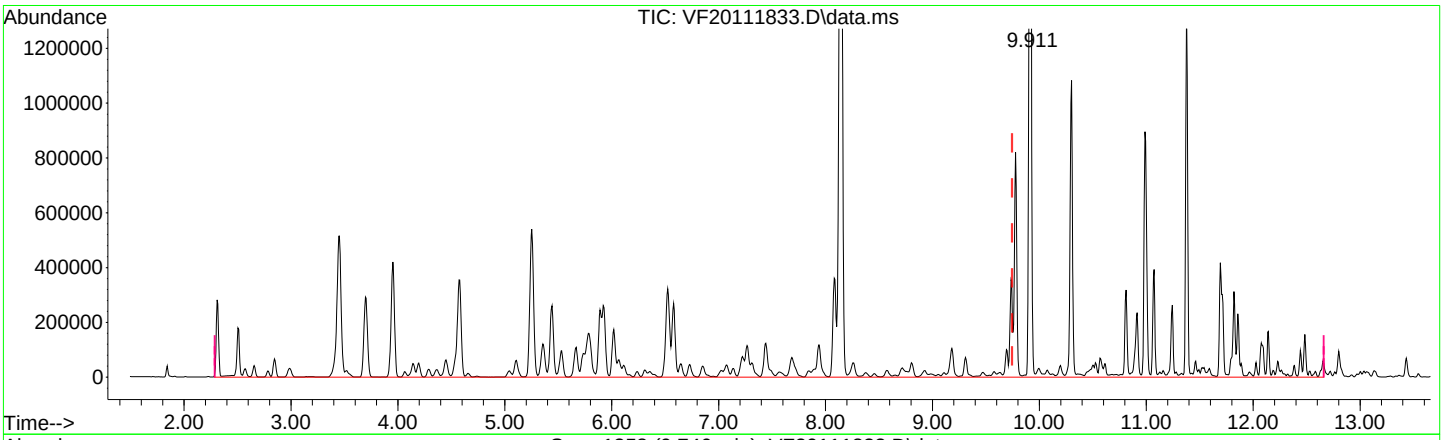
response 23788092

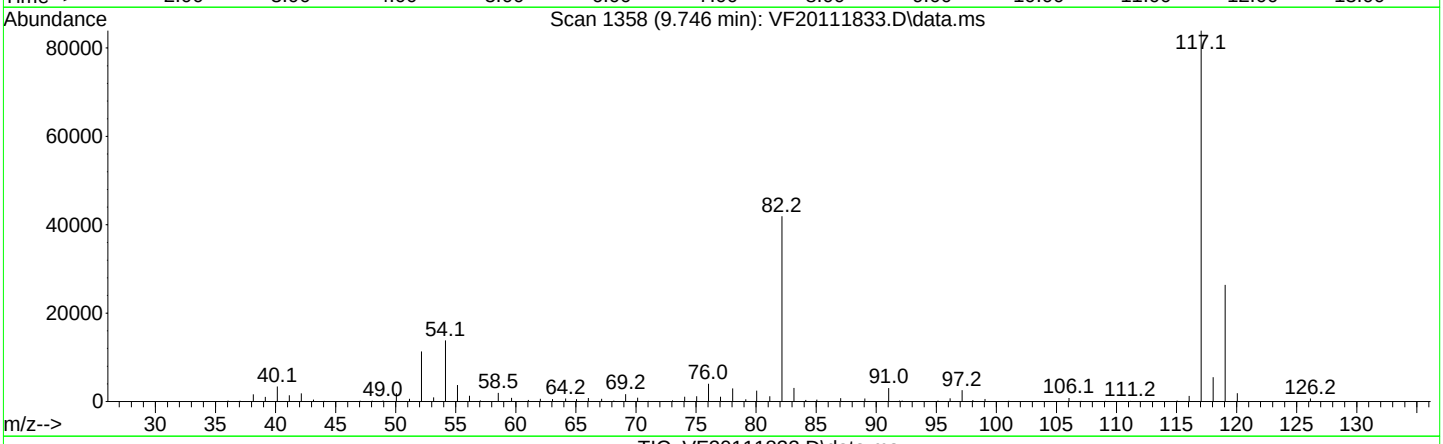
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111833.D
Acq On : 19 Nov 2020 7:39 am
Operator : TNL
Sample : 0k18062-CALI
Misc : 1X 5mL 5000ppb GX DI+MeOH
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Nov 19 14:34:28 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Aug 13 22:40:04 2020
Response via : Initial Calibration





TIC: VF20111833.D\data.ms

(8) CA-LUFT (C5-C12) (H)

9.745min (0.000) 3999.30 ug/L m

response 34107788

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111833.D
Acq On : 19 Nov 2020 7:39 am
Operator : TNL
Sample : 0k18062-CALI
Misc : 1X 5mL 5000ppb GX DI+MeOH
ALS Vial : 33 Sample Multiplier: 1

11/20/20 TNL

Quant Time: Nov 19 14:34:28 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Aug 13 22:40:04 2020
Response via : Initial Calibration

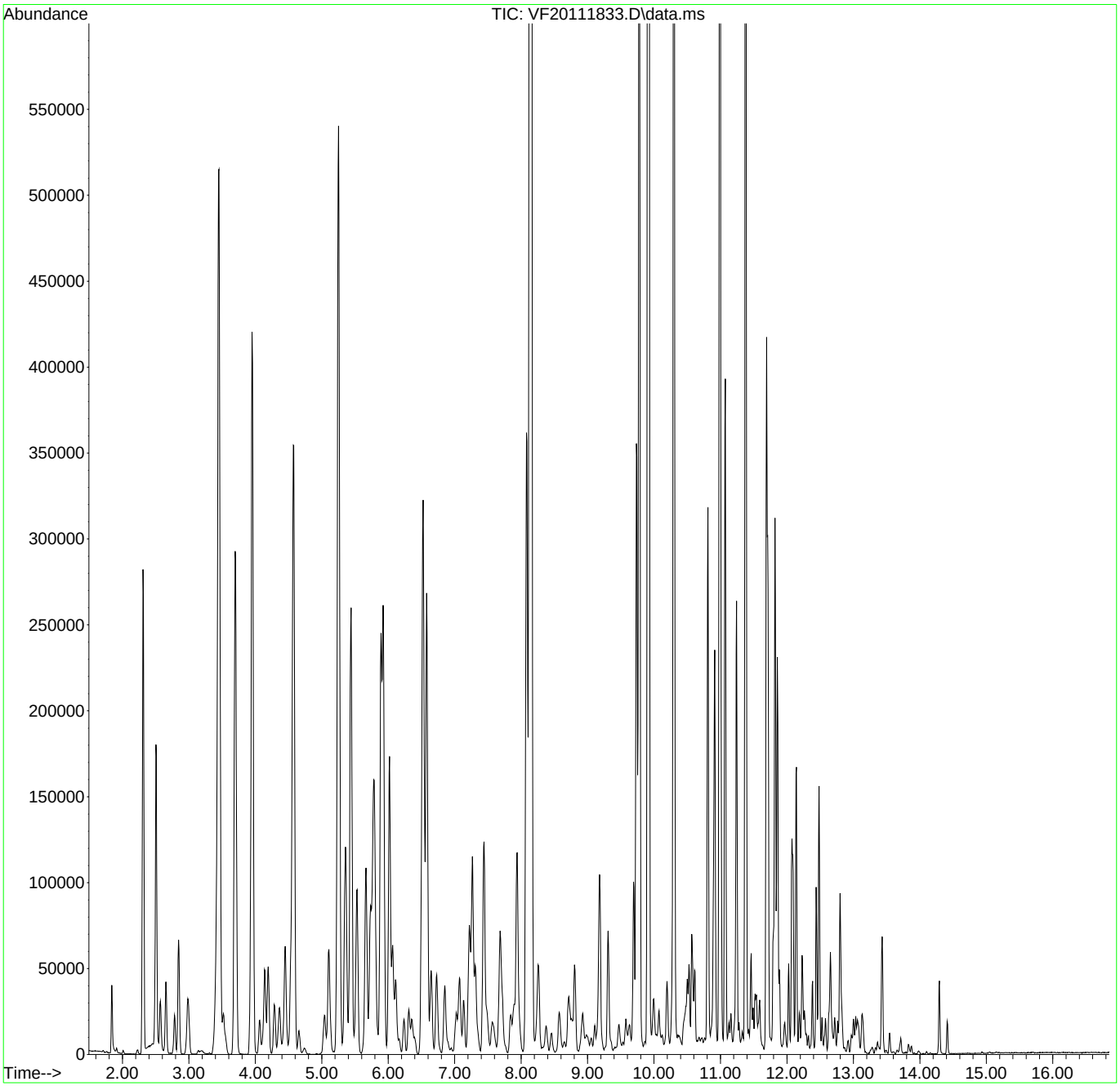
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.019	168	136091	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.578	TIC	549051	46.79	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.811	TIC	426374	44.95	ug/L	0.00
4) Chlorobenzene-d5 (NR)	9.734	TIC	550340	0.00	ug/L	0.00
10) Toluene-d8 (NR)	8.080	TIC	766991	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.692	TIC	876759	0.00	ug/L	0.00
Target Compounds						Qvalue
5) NWTPH-Gx	9.745	TIC	24336023m	4231.45	ug/L	
6) TPHg (C5-C9)	9.745	TIC	26793723m	3883.35	ug/L	
7) TPHg (C6-C10)	9.745	TIC	23788092m	3976.46	ug/L	
8) CA-LUFT (C5-C12)	9.745	TIC	34107788m	3999.30	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111833.D
Acq On : 19 Nov 2020 7:39 am
Operator : TNL
Sample : 0k18062-CALI
Misc : 1X 5mL 5000ppb GX DI+MeOH
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Nov 19 14:34:28 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Aug 13 22:40:04 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111834.D
Acq On : 19 Nov 2020 8:06 am
Operator : TNL
Sample : 0k18062-CALJ
Misc : 1X 5mL 10000ppb GX DI+MeOH
ALS Vial : 34 Sample Multiplier: 1

11/20/20 TNL

Quant Time: Nov 19 14:35:12 2020
Quant Method : Y:\METHODS\~~VF201119G.M~~
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Aug 13 22:40:04 2020
Response via : Initial Calibration

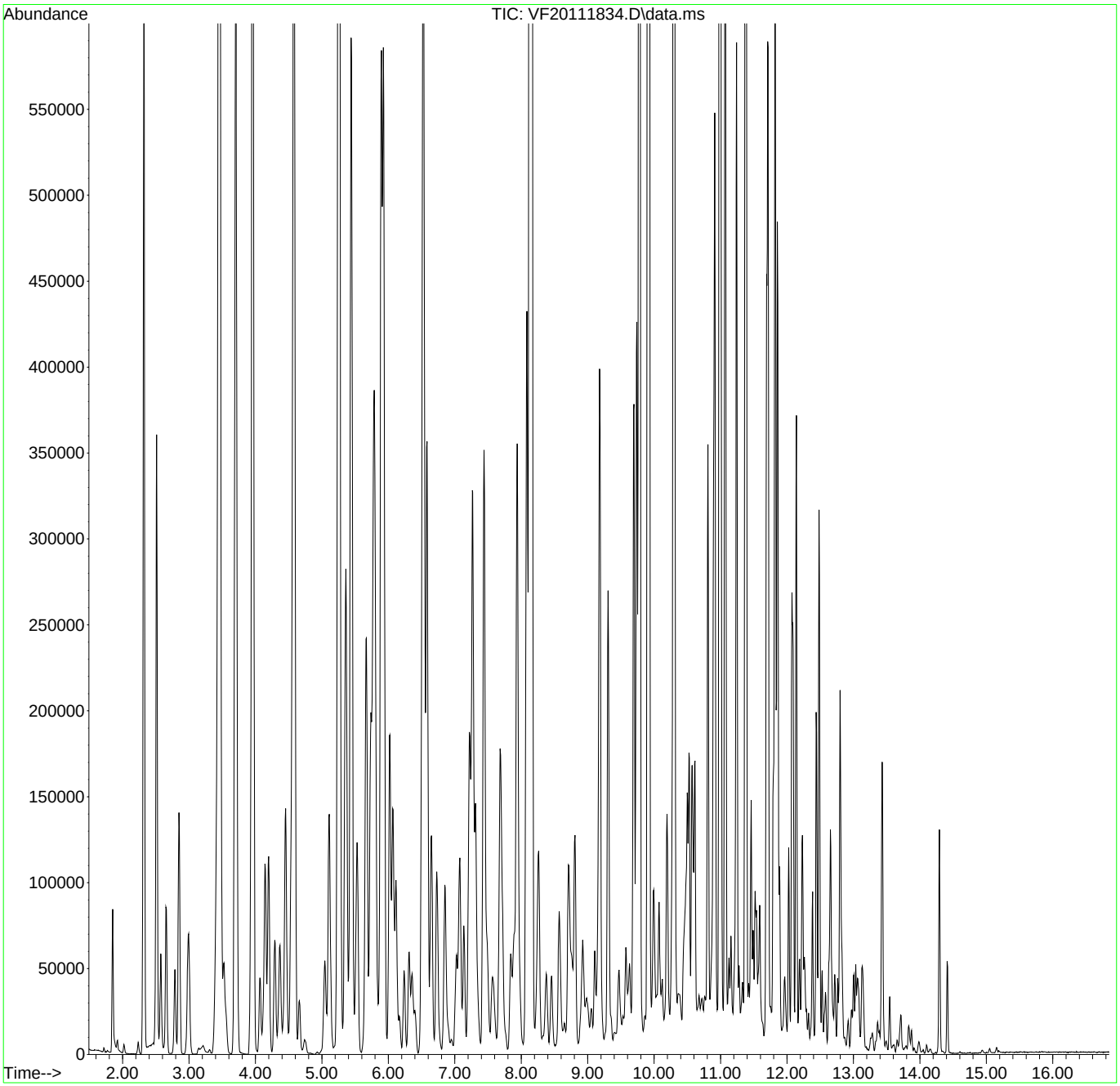
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.024	168	150388	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.583	TIC	720741	55.58	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.810	TIC	435711	41.57	ug/L	0.00
4) Chlorobenzene-d5 (NR)	9.739	TIC	604399	0.00	ug/L	0.00
10) Toluene-d8 (NR)	8.085	TIC	885616	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.710	TIC	1307198	0.00	ug/L	0.02
Target Compounds						Qvalue
5) NWTPH-Gx	9.745	TIC	55999266m	8019.63	ug/L	
6) TPHg (C5-C9)	9.745	TIC	61331895m	7578.07	ug/L	
7) TPHg (C6-C10)	9.745	TIC	54709720m	7733.91	ug/L	
8) CA-LUFT (C5-C12)	9.745	TIC	78770685m	7735.49	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111834.D
Acq On : 19 Nov 2020 8:06 am
Operator : TNL
Sample : 0k18062-CALJ
Misc : 1X 5mL 10000ppb GX DI+MeOH
ALS Vial : 34 Sample Multiplier: 1

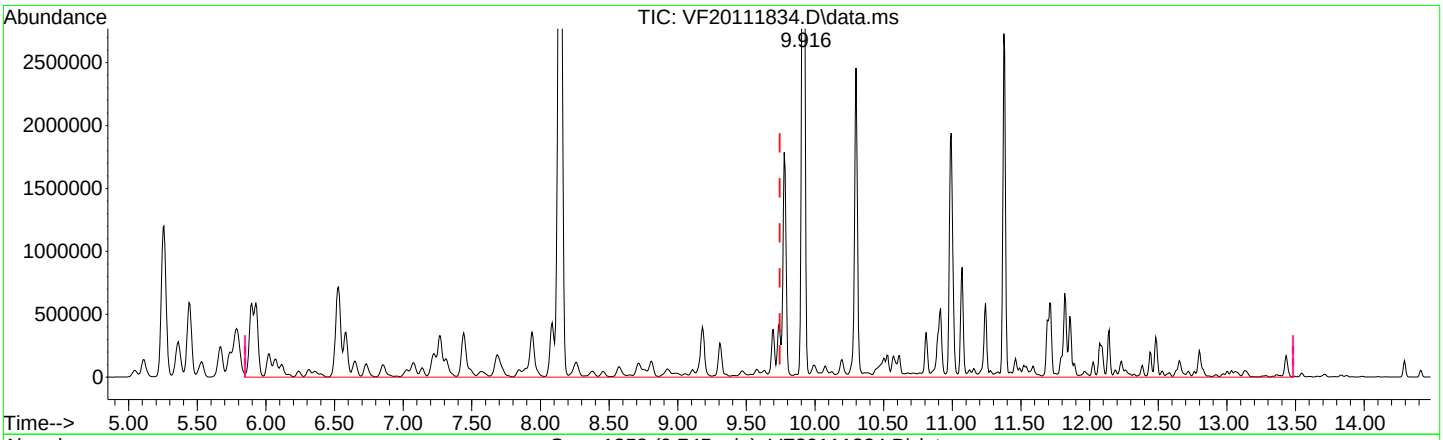
Quant Time: Nov 19 14:35:12 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Aug 13 22:40:04 2020
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111834.D
Acq On : 19 Nov 2020 8:06 am
Operator : TNL
Sample : 0k18062-CALJ
Misc : 1X 5mL 10000ppb GX DI+MeOH
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Nov 19 14:35:12 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Aug 13 22:40:04 2020
Response via : Initial Calibration



TIC: VF20111834.D\data.ms

(5) NWTPH-Gx (H)

9.745min (0.000) 8019.63 ug/L m

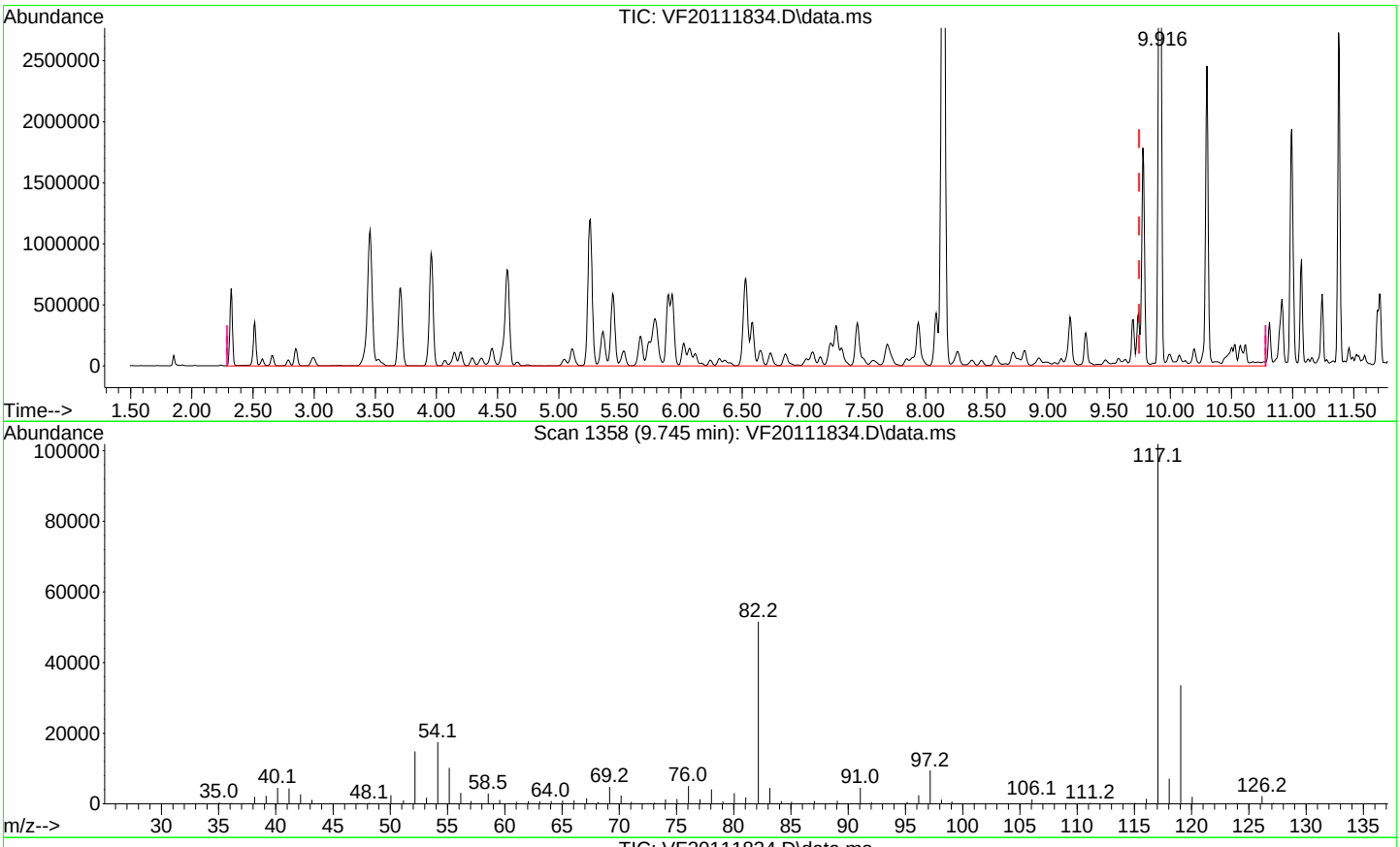
response 55999266

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.02#
0.00	0.00	0.01#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111834.D
Acq On : 19 Nov 2020 8:06 am
Operator : TNL
Sample : 0k18062-CALJ
Misc : 1X 5mL 10000ppb GX DI+MeOH
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Nov 19 14:35:12 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Aug 13 22:40:04 2020
Response via : Initial Calibration



TIC: VF20111834.D\data.ms

(6) TPHg (C5-C9) (H)

9.745min (0.000) 7578.07 ug/L m

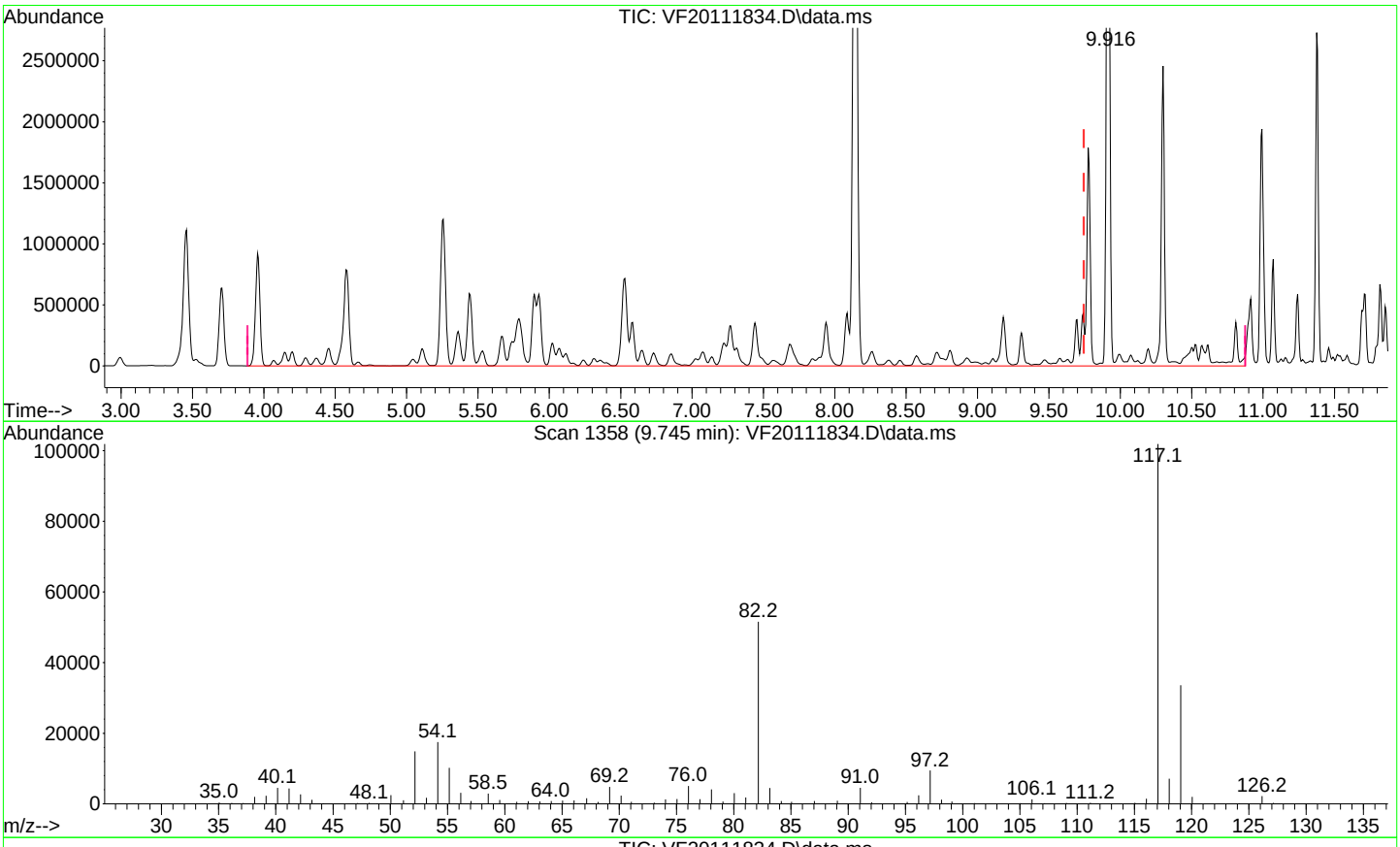
response 61331895

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.02#
0.00	0.00	0.01#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111834.D
Acq On : 19 Nov 2020 8:06 am
Operator : TNL
Sample : 0k18062-CALJ
Misc : 1X 5mL 10000ppb GX DI+MeOH
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Nov 19 14:35:12 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Aug 13 22:40:04 2020
Response via : Initial Calibration



TIC: VF20111834.D\data.ms

(7) TPHg (C6-C10) (H)

9.745min (0.000) 7733.91 ug/L m

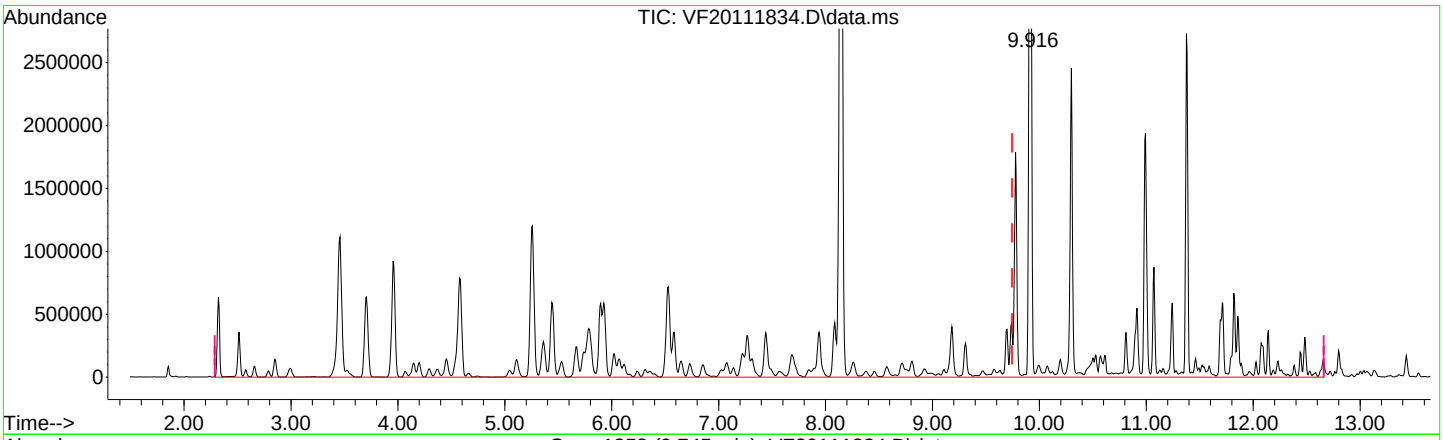
response 54709720

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.02#
0.00	0.00	0.01#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111834.D
Acq On : 19 Nov 2020 8:06 am
Operator : TNL
Sample : 0k18062-CALJ
Misc : 1X 5mL 10000ppb GX DI+MeOH
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Nov 19 14:35:12 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Aug 13 22:40:04 2020
Response via : Initial Calibration



TIC: VF20111834.D\data.ms

(8) CA-LUFT (C5-C12) (H)

9.745min (0.000) 7735.49 ug/L m

response 78770685

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.01#
0.00	0.00	0.01#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111834.D
Acq On : 19 Nov 2020 8:06 am
Operator : TNL
Sample : 0k18062-CALJ
Misc : 1X 5mL 10000ppb GX DI+MeOH
ALS Vial : 34 Sample Multiplier: 1

11/20/20 TNL

Quant Time: Nov 19 14:35:12 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Aug 13 22:40:04 2020
Response via : Initial Calibration

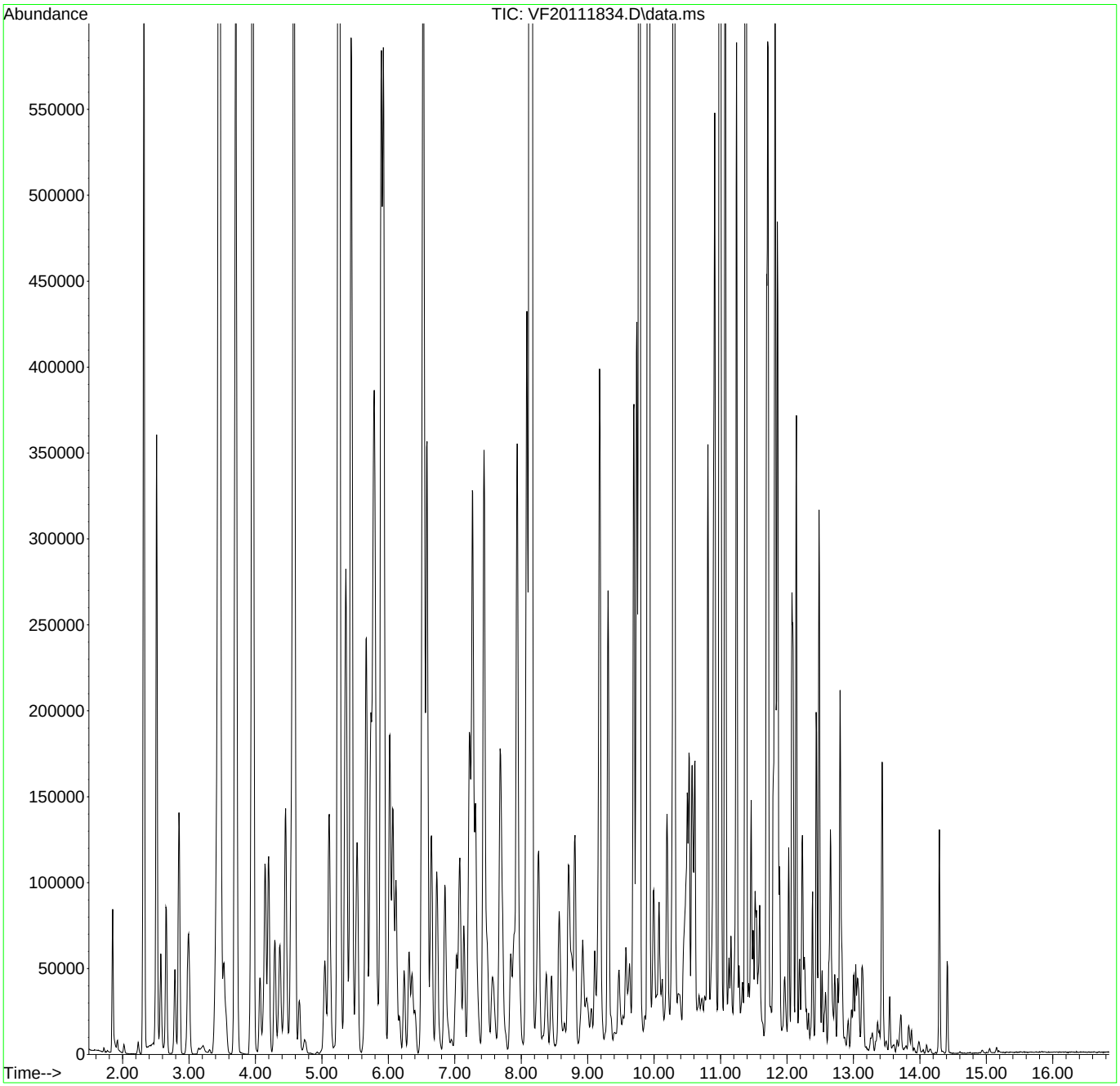
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.024	168	150388	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.583	TIC	720741	55.58	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.810	TIC	435711	41.57	ug/L	0.00
4) Chlorobenzene-d5 (NR)	9.739	TIC	604399	0.00	ug/L	0.00
10) Toluene-d8 (NR)	8.085	TIC	885616	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.710	TIC	1307198	0.00	ug/L	0.02
Target Compounds						Qvalue
5) NWTPH-Gx	9.745	TIC	55999266m	8019.63	ug/L	
6) TPHg (C5-C9)	9.745	TIC	61331895m	7578.07	ug/L	
7) TPHg (C6-C10)	9.745	TIC	54709720m	7733.91	ug/L	
8) CA-LUFT (C5-C12)	9.745	TIC	78770685m	7735.49	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111834.D
Acq On : 19 Nov 2020 8:06 am
Operator : TNL
Sample : 0k18062-CALJ
Misc : 1X 5mL 10000ppb GX DI+MeOH
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Nov 19 14:35:12 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Aug 13 22:40:04 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111835.D
Acq On : 19 Nov 2020 8:33 am
Operator : TNL
Sample : 0k18062-IBLA
Misc : 1X 5mL DI+MeOH
ALS Vial : 35 Sample Multiplier: 1

11/20/20 TNL

Quant Time: Nov 19 17:21:21 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Nov 19 14:37:04 2020
Response via : Initial Calibration

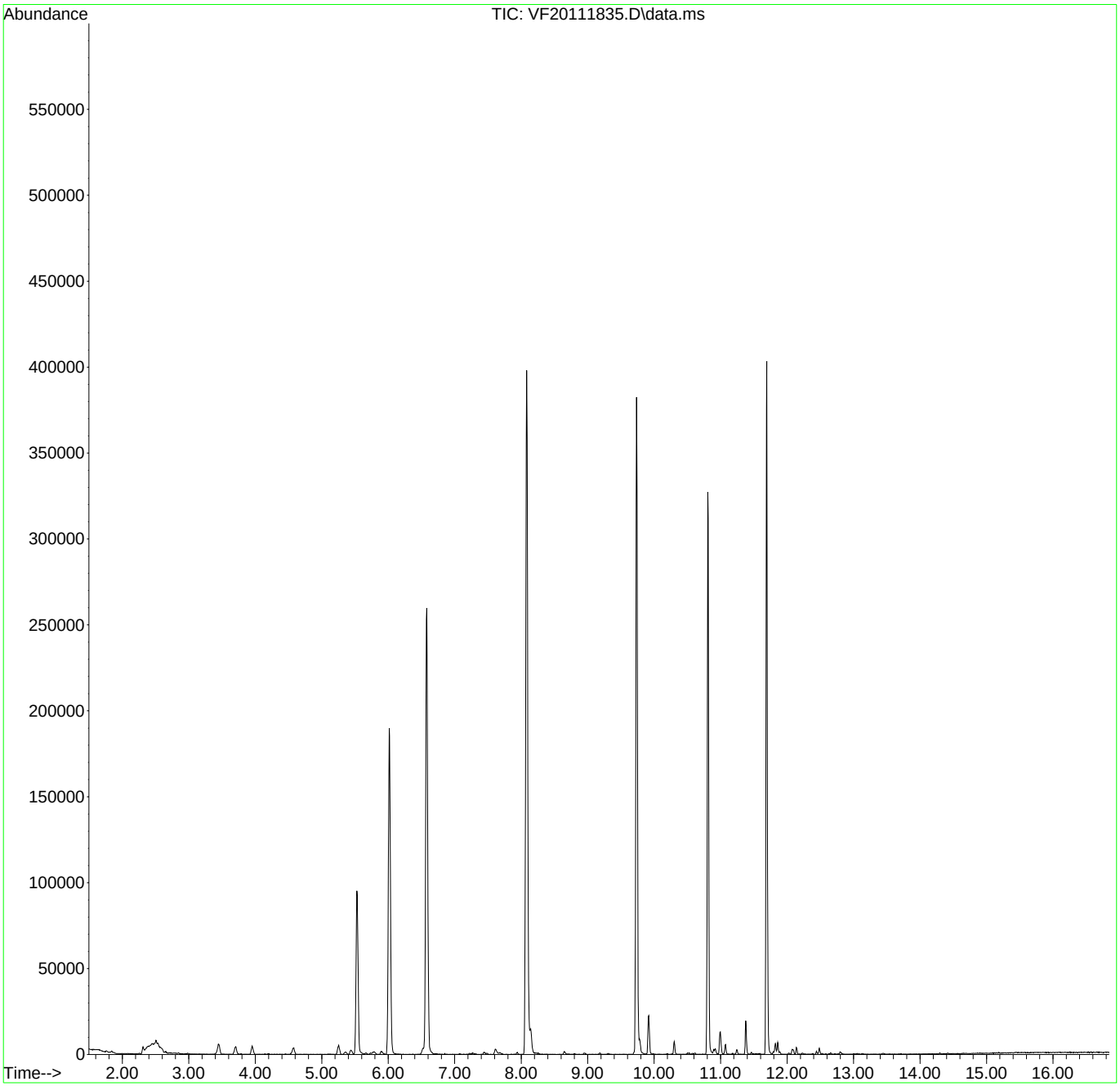
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.021	168	155715	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.580	TIC	550650	48.40	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.807	TIC	462842	48.73	ug/L	0.00
4) Chlorobenzene-d5 (NR)	9.736	TIC	615816	0.00	ug/L	0.00
10) Toluene-d8 (NR)	8.082	TIC	828304	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.695	TIC	535772	0.00	ug/L	0.00
Target Compounds						Qvalue
5) NWTPH-Gx	9.745	TIC	147322m	58.59	ug/L	
6) TPHg (C5-C9)	9.745	TIC	330378m	34.72	ug/L	
7) TPHg (C6-C10)	9.745	TIC	302095m	43.16	ug/L	
8) CA-LUFT (C5-C12)	9.745	TIC	411396m	48.94	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111835.D
Acq On : 19 Nov 2020 8:33 am
Operator : TNL
Sample : 0k18062-IBLA
Misc : 1X 5mL DI+MeOH
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Nov 19 17:21:21 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Nov 19 14:37:04 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111836.D
Acq On : 19 Nov 2020 9:00 am
Operator : TNL
Sample : 0k18062-IBLB
Misc : 1X 5mL DI+MeOH 11/20/20 TNL
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Nov 19 17:21:26 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Nov 19 14:37:04 2020
Response via : Initial Calibration

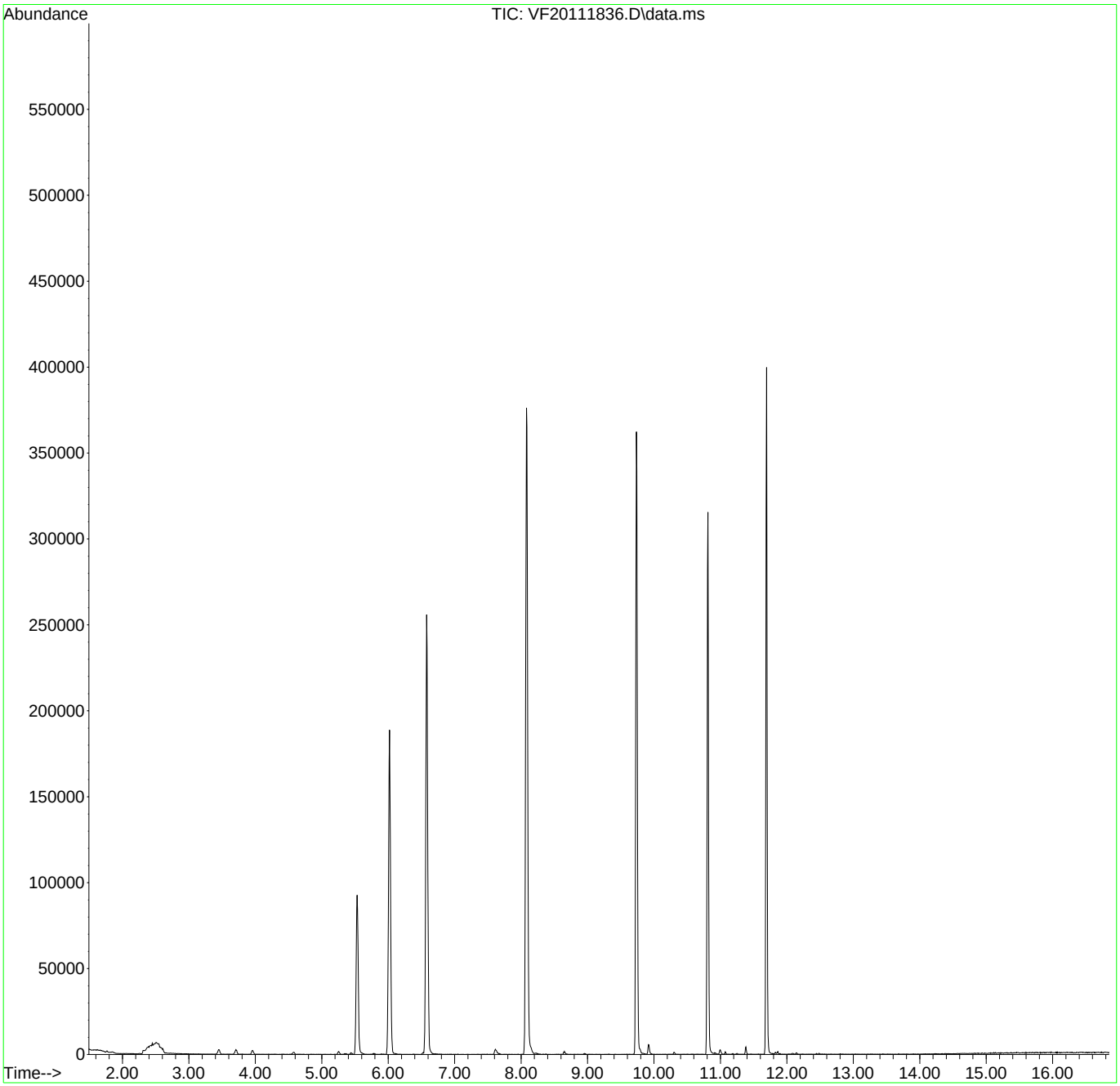
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.019	168	150075	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.579	TIC	523699	47.76	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.811	TIC	441771	48.26	ug/L	0.00
4) Chlorobenzene-d5 (NR)	9.735	TIC	584569	0.00	ug/L	0.00
10) Toluene-d8 (NR)	8.081	TIC	775010	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.693	TIC	509744	0.00	ug/L	0.00
Target Compounds						Qvalue
5) NWTPH-Gx	9.745	TIC	18082m	33.62	ug/L	
6) TPHg (C5-C9)	9.745	TIC	244333m	21.35	ug/L	
7) TPHg (C6-C10)	9.745	TIC	212681m	27.07	ug/L	
8) CA-LUFT (C5-C12)	9.745	TIC	250096m	27.61	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111836.D
Acq On : 19 Nov 2020 9:00 am
Operator : TNL
Sample : 0k18062-IBLB
Misc : 1X 5mL DI+MeOH
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Nov 19 17:21:26 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Nov 19 14:37:04 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111837.D
Acq On : 19 Nov 2020 9:27 am
Operator : TNL
Sample : 0k18062-ICV2
Misc : 1X 5mL 500ppb GX DI+MeOH
ALS Vial : 37 Sample Multiplier: 1

11/20/20 TNL

Quant Time: Nov 19 17:21:29 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Nov 19 14:37:04 2020
Response via : Initial Calibration

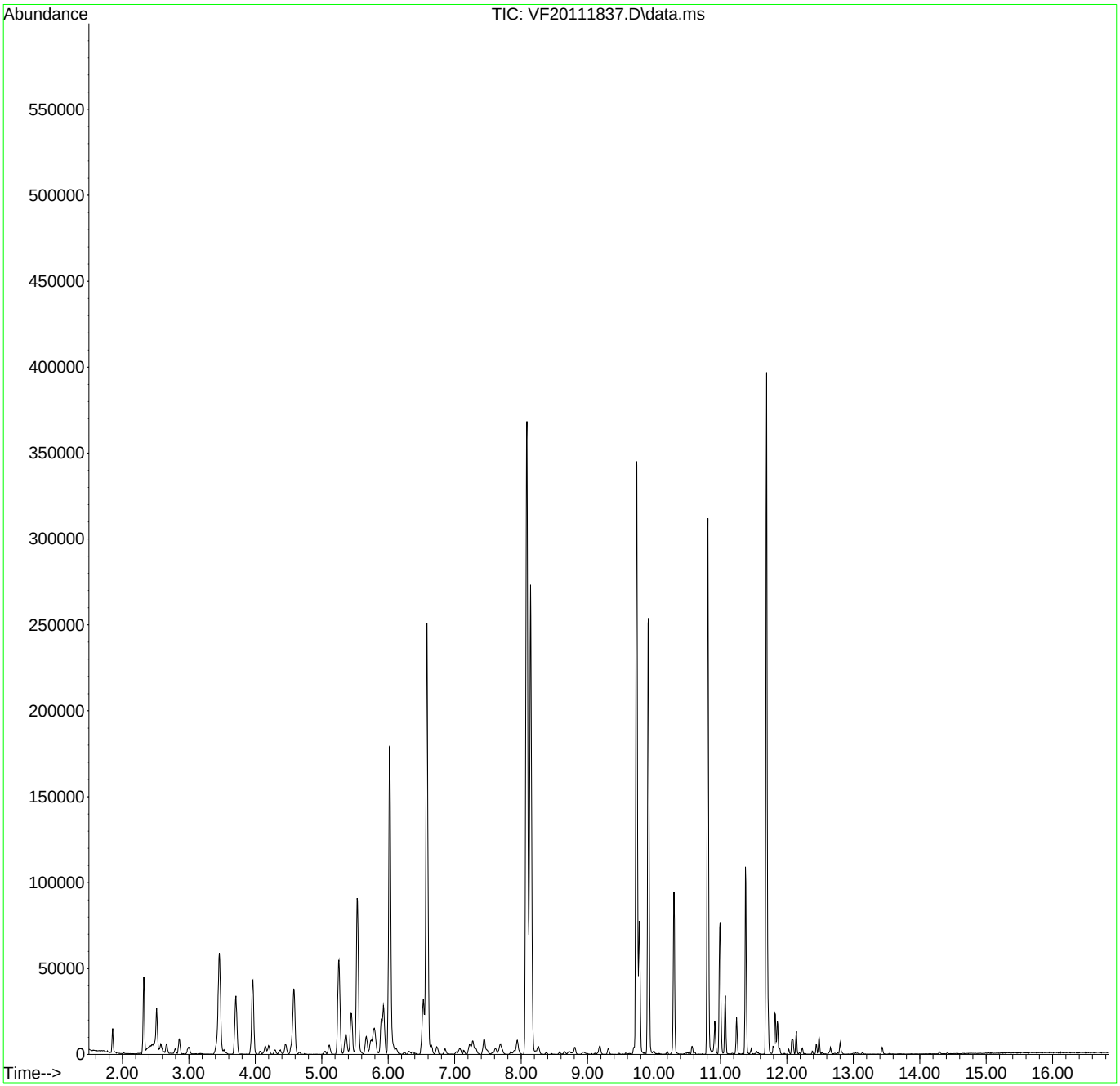
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.025	168	146963	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.579	TIC	522668	48.67	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.811	TIC	440602	49.15	ug/L	0.00
4) Chlorobenzene-d5 (NR)	9.735	TIC	588588	0.00	ug/L	0.00
10) Toluene-d8 (NR)	8.087	TIC	777962	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.693	TIC	541050	0.00	ug/L	0.00
Target Compounds						Qvalue
5) NWTPH-Gx	9.745	TIC	2100534m	459.78	ug/L	
6) TPHg (C5-C9)	9.745	TIC	2698955m	472.56	ug/L	
7) TPHg (C6-C10)	9.745	TIC	2293782m	461.64	ug/L	
8) CA-LUFT (C5-C12)	9.745	TIC	3206380m	465.47	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111837.D
Acq On : 19 Nov 2020 9:27 am
Operator : TNL
Sample : 0k18062-ICV2
Misc : 1X 5mL 500ppb GX DI+MeOH
ALS Vial : 37 Sample Multiplier: 1

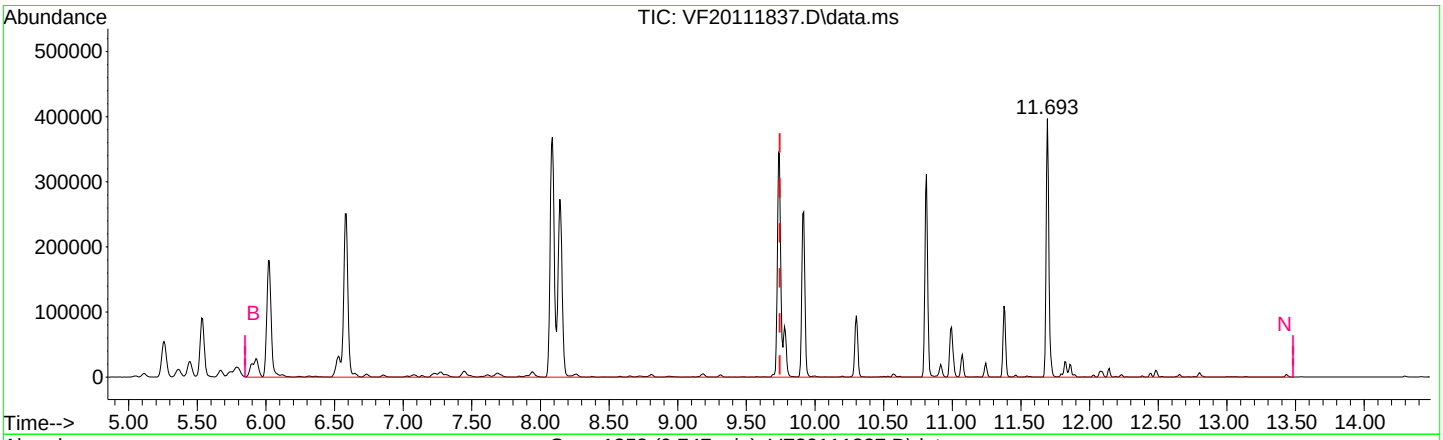
Quant Time: Nov 19 17:21:29 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Nov 19 14:37:04 2020
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111837.D
Acq On : 19 Nov 2020 9:27 am
Operator : TNL
Sample : 0k18062-ICV2
Misc : 1X 5mL 500ppb GX DI+MeOH
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Nov 19 17:21:29 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Nov 19 14:37:04 2020
Response via : Initial Calibration



TIC: VF20111837.D\data.ms

(5) NWTPH-Gx (H)

9.745min (0.000) 459.78 ug/L m

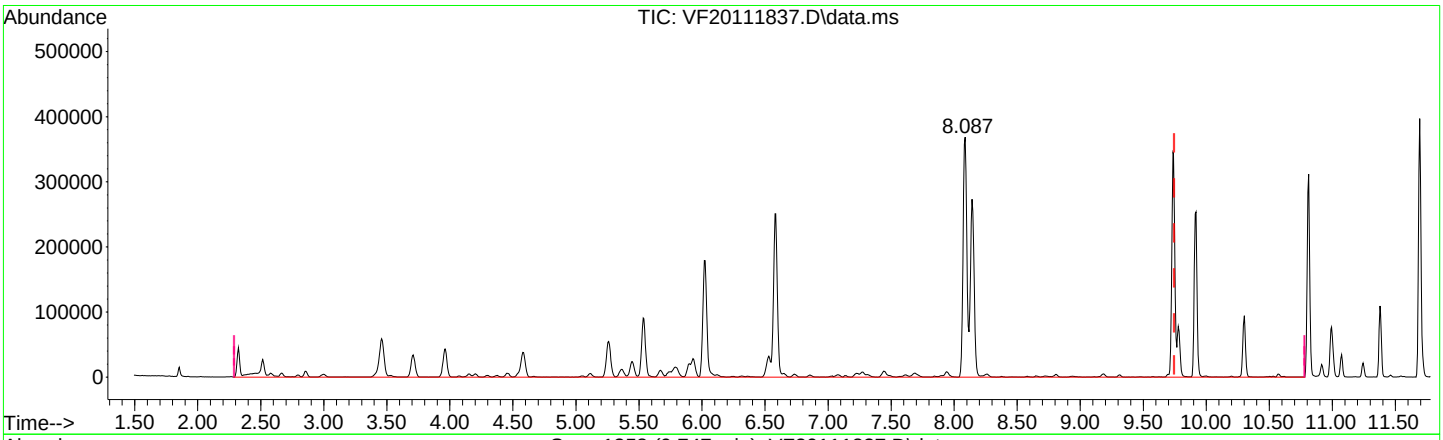
response 2100534

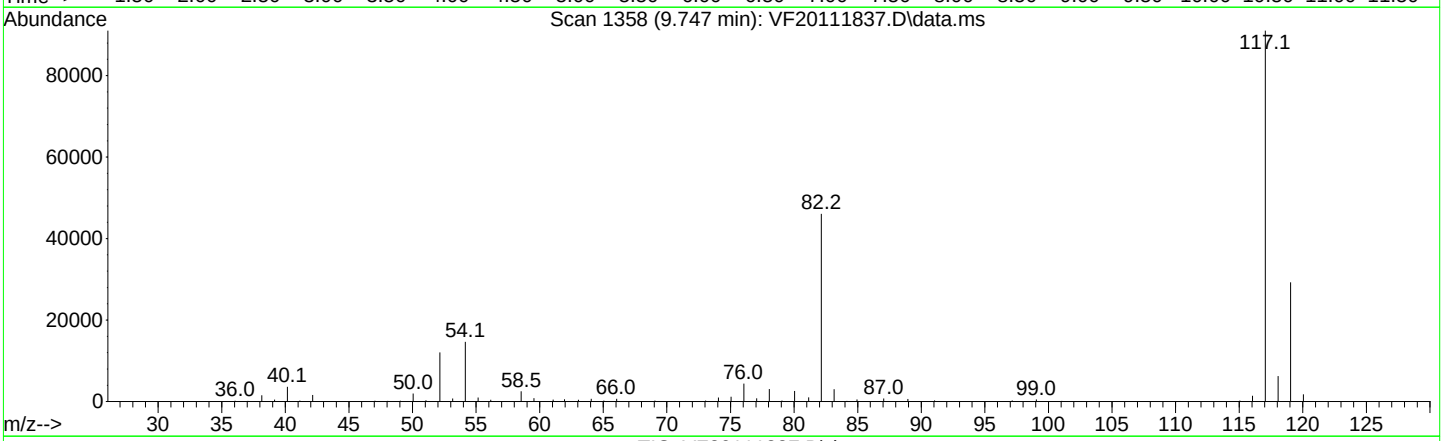
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111837.D
Acq On : 19 Nov 2020 9:27 am
Operator : TNL
Sample : 0k18062-ICV2
Misc : 1X 5mL 500ppb GX DI+MeOH
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Nov 19 17:21:29 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Nov 19 14:37:04 2020
Response via : Initial Calibration





TIC: VF20111837.D\data.ms

(6) TPHg (C5-C9) (H)

9.745min (0.000) 472.56 ug/L m

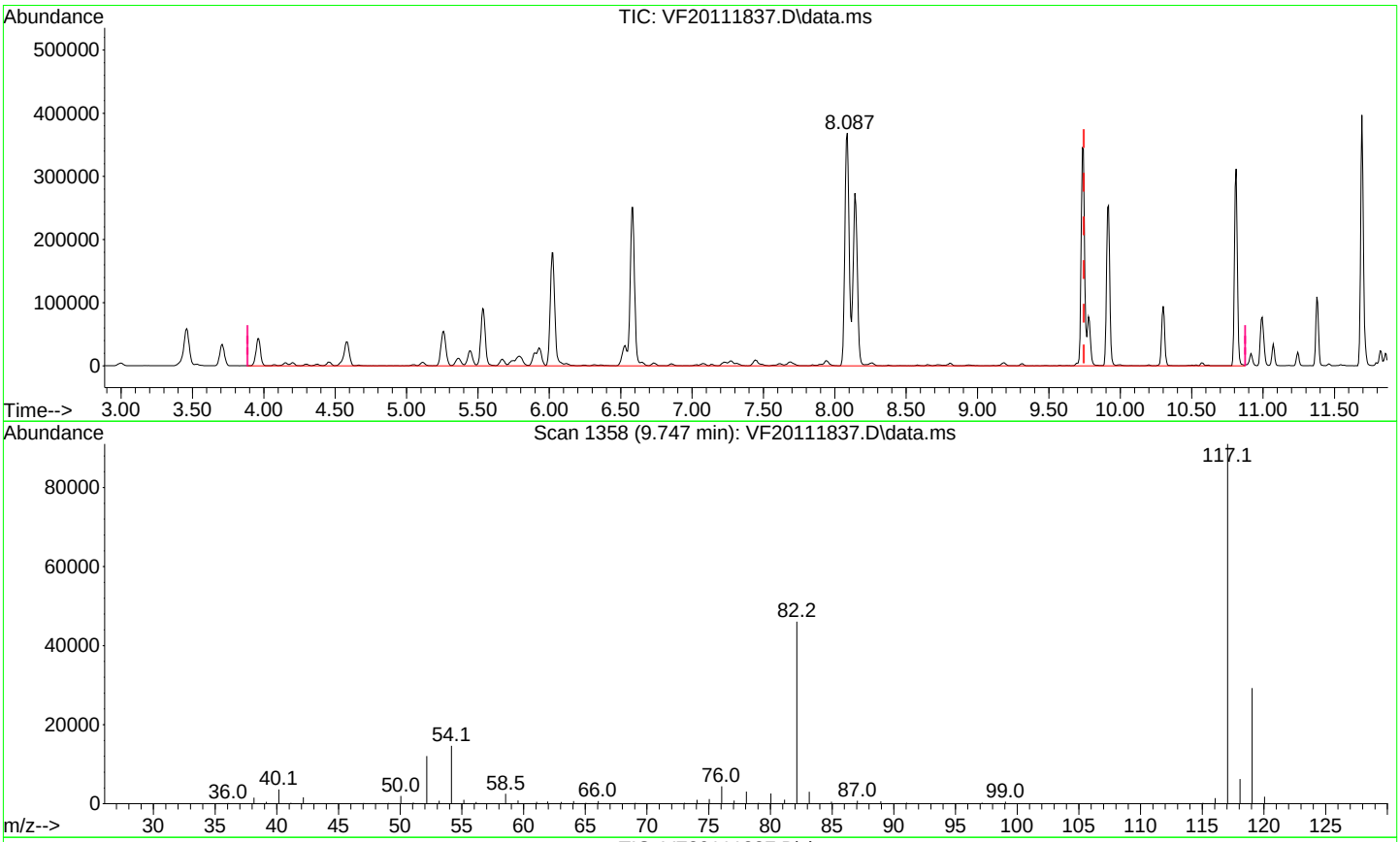
response 2698955

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111837.D
Acq On : 19 Nov 2020 9:27 am
Operator : TNL
Sample : 0k18062-ICV2
Misc : 1X 5mL 500ppb GX DI+MeOH
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Nov 19 17:21:29 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Nov 19 14:37:04 2020
Response via : Initial Calibration



TIC: VF20111837.D\data.ms

(7) TPHg (C6-C10) (H)

9.745min (0.000) 461.64 ug/L m

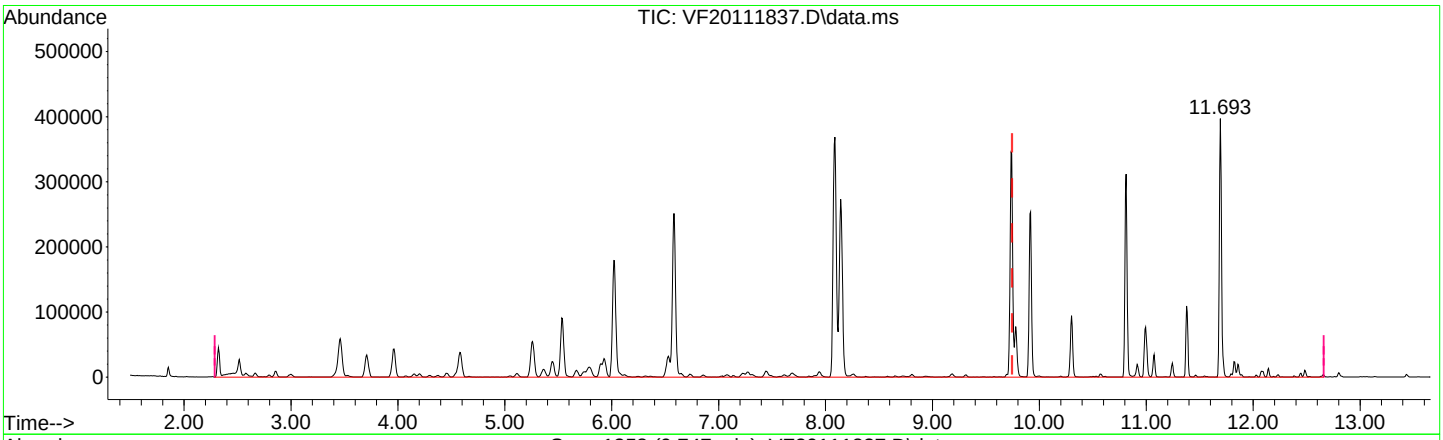
response 2293782

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111837.D
Acq On : 19 Nov 2020 9:27 am
Operator : TNL
Sample : 0k18062-ICV2
Misc : 1X 5mL 500ppb GX DI+MeOH
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Nov 19 17:21:29 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Nov 19 14:37:04 2020
Response via : Initial Calibration



TIC: VF20111837.D\data.ms

(8) CA-LUFT (C5-C12) (H)

9.745min (0.000) 465.47 ug/L m

response 3206380

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111837.D
Acq On : 19 Nov 2020 9:27 am
Operator : TNL
Sample : 0k18062-ICV2
Misc : 1X 5mL 500ppb GX DI+MeOH
ALS Vial : 37 Sample Multiplier: 1

11/20/20 TNL

Quant Time: Nov 19 17:21:29 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Nov 19 14:37:04 2020
Response via : Initial Calibration

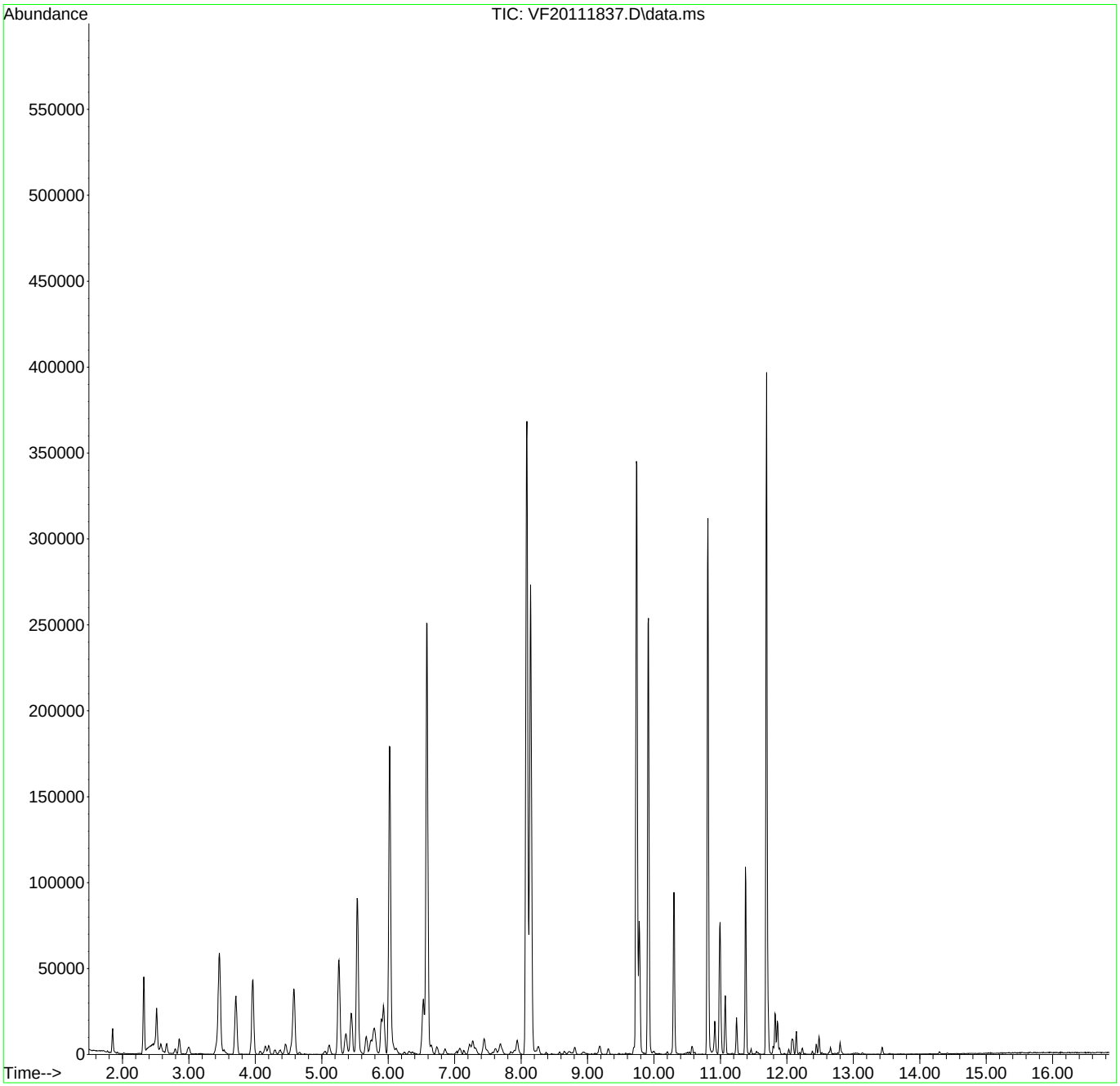
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.025	168	146963	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.579	TIC	522668	48.67	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.811	TIC	440602	49.15	ug/L	0.00
4) Chlorobenzene-d5 (NR)	9.735	TIC	588588	0.00	ug/L	0.00
10) Toluene-d8 (NR)	8.087	TIC	777962	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.693	TIC	541050	0.00	ug/L	0.00
Target Compounds						Qvalue
5) NWTPH-Gx	9.745	TIC	2100534m	459.78	ug/L	
6) TPHg (C5-C9)	9.745	TIC	2698955m	472.56	ug/L	
7) TPHg (C6-C10)	9.745	TIC	2293782m	461.64	ug/L	
8) CA-LUFT (C5-C12)	9.745	TIC	3206380m	465.47	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111837.D
Acq On : 19 Nov 2020 9:27 am
Operator : TNL
Sample : 0k18062-ICV2
Misc : 1X 5mL 500ppb GX DI+MeOH
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Nov 19 17:21:29 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Nov 19 14:37:04 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111838.D
Acq On : 19 Nov 2020 9:54 am
Operator : TNL
Sample : 0k18062-IBLC 11/20/20 TNL
Misc : 1X 5mL DI+MeOH
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Nov 19 17:21:33 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Nov 19 14:37:04 2020
Response via : Initial Calibration

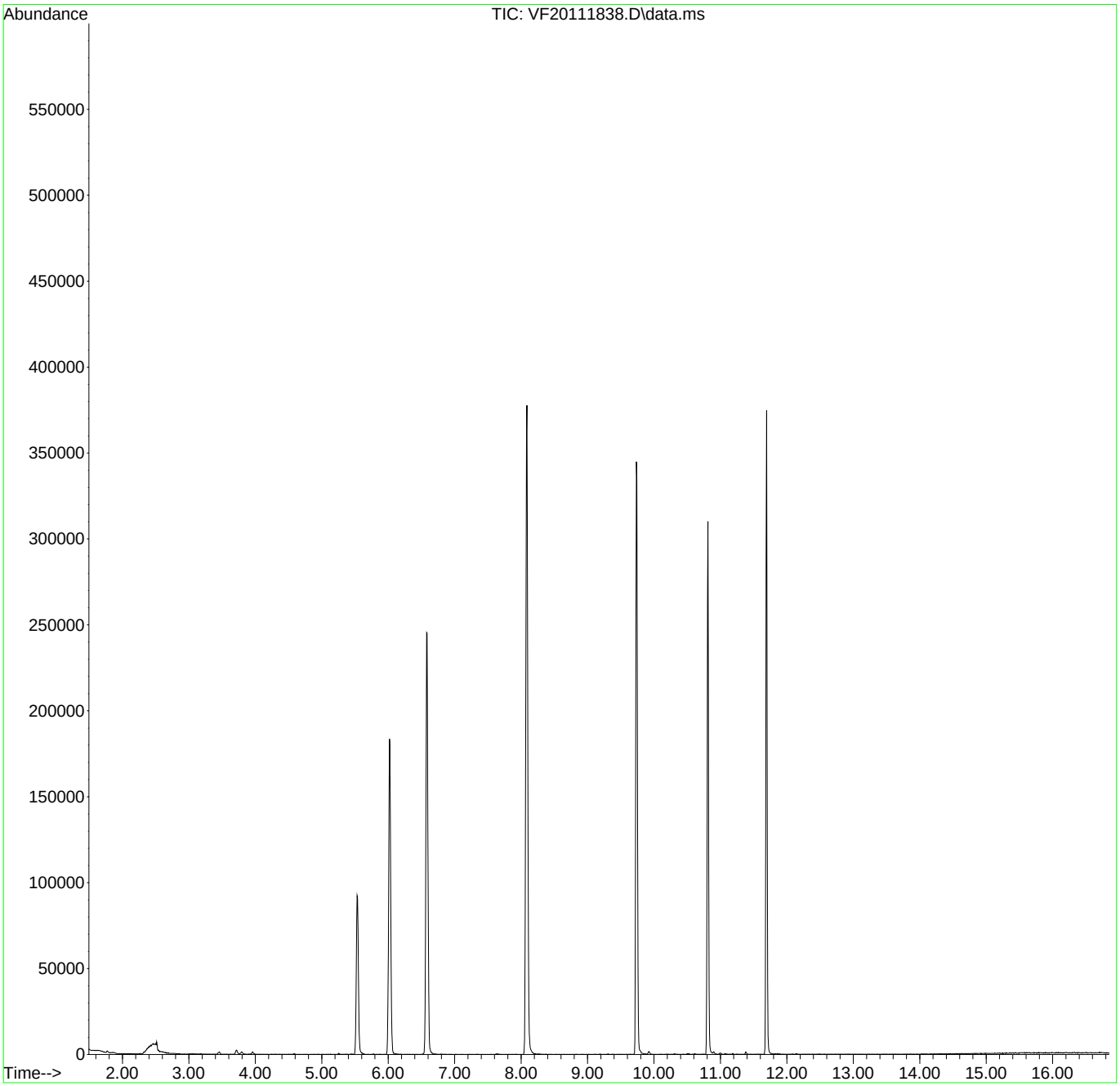
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene (IS)	6.019	168	148042	50.00	ug/L	0.00
System Monitoring Compounds						
2) 1,4-Difluorobenzene (Sur)	6.579	TIC	516580	47.76	ug/L	0.00
3) 4-Bromofluorobenzene (...	10.811	TIC	424420	47.00	ug/L	0.00
4) Chlorobenzene-d5 (NR)	9.735	TIC	569961	0.00	ug/L	0.00
10) Toluene-d8 (NR)	8.087	TIC	762955	0.00	ug/L	0.00
12) 1,4-Dichlorobenzene-d4...	11.693	TIC	479843	0.00	ug/L	0.00
Target Compounds						Qvalue
5) NWTPH-Gx	9.745	TIC	2420m	30.47	ug/L	
6) TPHg (C5-C9)	9.745	TIC	220763m	17.64	ug/L	
7) TPHg (C6-C10)	9.745	TIC	198565m	24.73	ug/L	
8) CA-LUFT (C5-C12)	9.745	TIC	220763m	23.77	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : Y:\DATA\2020-11\0K18062\
Data File : VF20111838.D
Acq On : 19 Nov 2020 9:54 am
Operator : TNL
Sample : 0k18062-IBLC
Misc : 1X 5mL DI+MeOH
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Nov 19 17:21:33 2020
Quant Method : Y:\METHODS\VF201119G.M
Quant Title : NWTPH-Gx by GC/MS
QLast Update : Thu Nov 19 14:37:04 2020
Response via : Initial Calibration



Polychlorinated Biphenyls by EPA 8082A
Benchsheet & Analysis Sequence Data

Batch 1012827
Sequence 1A14017 (A0K0482-03,21,22)

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 1012827 (Sediment)

Prep Method: EPA 3546

#	Lab Number		Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH <2	pH Other	pH >11
	1012827-BLK1		QC	01/13/21 10:20	12	2				100					
	1012827-BS1		QC	01/13/21 10:20	10	2	A21A066		100	100					
	A0K0477-05	A	8082 PCBs - Low Level (2mL FV) +1262/68	01/13/21 10:20	10.3	2				100	USMPDI-012SC-A-04-05-201109				
	1012827-DUP1		QC	01/13/21 10:20	11.01	2		A0K0477-05		100					
	A0K0477-09	A	8082 PCBs - Low Level (2mL FV) +1262/68	01/13/21 10:20	10.31	2				100	USMPDI-012SC-D-06-08-201109				
	A0K0477-10	A	8082 PCBs - Low Level (2mL FV) +1262/68	01/13/21 10:20	10.5	2				100	USMPDI-012SC-D-08-10-201109				
	A0K0477-11	A	8082 PCBs - Low Level (2mL FV) +1262/68	01/13/21 10:20	10.22	2				100	USMPDI-012SC-D-10-12-201109				
	A0K0477-29	A	8082 PCBs - Low Level (2mL FV) +1262/68	01/13/21 10:20	10.29	2				100	USMPDI-057SC-A-05-06-201109				
	A0K0482-01	A	8082 PCBs - Low Level (2mL FV) +1262/68	01/13/21 10:20	10.76	2				100	USMPDI-003SC-A-01-02-201110				
	A0K0482-02	A	8082 PCBs - Low Level (2mL FV) +1262/68	01/13/21 10:20	10.92	2				100	USMPDI-003SC-A-02-03-201110				
	A0K0482-03	A	8082 PCBs - Low Level (2mL FV) +1262/68	01/13/21 10:20	10.34	2				100	USMPDI-003SC-A-03-04-201110	MS/MSD			
	1012827-MS2		QC	01/13/21 10:20	10.22	2	A21A066	A0K0482-03	100	100					
	1012827-MSD2		QC	01/13/21 10:20	10.76	2	A21A066	A0K0482-03	100	100					
	A0K0482-04	A	8082 PCBs - Low Level (2mL FV) +1262/68	01/13/21 10:20	10.62	2				100	USMPDI-003SC-A-04-05-201110				
	A0K0482-05	A	8082 PCBs - Low Level (2mL FV) +1262/68	01/13/21 10:20	10.79	2				100	USMPDI-1003SC-A-01-02-201110				
	A0K0482-10	A	8082 PCBs - Low Level (2mL FV) +1262/68	01/13/21 10:20	10.96	2				100	USMPDI-003SC-B-06-08-201110				
	A0K0482-11	A	8082 PCBs - Low Level (2mL FV) +1262/68	01/13/21 10:20	10.29	2				100	USMPDI-006SC-A-01-02-201110				
	A0K0482-12	A	8082 PCBs - Low Level (2mL FV) +1262/68	01/13/21 10:20	10.97	2				100	USMPDI-006SC-A-02-03-201110				
	A0K0482-13	A	8082 PCBs - Low Level (2mL FV) +1262/68	01/13/21 10:20	10.99	2				100	USMPDI-006SC-A-03-04-201110				
	A0K0482-14	A	8082 PCBs - Low Level (2mL FV) +1262/68	01/13/21 10:20	10.71	2				100	USMPDI-006SC-A-04-05-201110				

Prepared By: Date

Reviewed By: 1/18/21 Date

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 1012827 (Sediment)

Prep Method: EPA 3546

#	Lab Number		Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH <2	pH Other	pH >11
	A0K0482-18	A	8082 PCBs - Low Level (2mL FV) +1262/68	01/13/21 10:20	11	2				100	USMPDI-006SC-D-06-08-201110				
	A0K0482-19	A	8082 PCBs - Low Level (2mL FV) +1262/68	01/13/21 10:20	10.24	2				100	USMPDI-006SC-D-08-10-201110				
	A0K0482-20	A	8082 PCBs - Low Level (2mL FV) +1262/68	01/13/21 10:20	10.58	2				100	USMPDI-006SC-D-10-12-201110				
	A0K0482-21	A	8082 PCBs - Low Level (2mL FV) +1262/68	01/13/21 10:20	10.71	2				100	USMPDI-006SC-D-12-14-201110	MS/MSD			
	1012827-MS1		QC	01/13/21 10:20	10.57	2	A21A066	A0K0482-21	100	200					
	1012827-MSD1		QC	01/13/21 10:20	10.23	2	A21A066	A0K0482-21	100	100					
	A0K0482-22	A	8082 PCBs - Low Level (2mL FV) +1262/68	01/13/21 10:20	10.32	2				100	USMPDI-1006SC-D-10-12-201110				

Standards/Reagents

Reagent(s)

Std ID	Exp. Date	Description
A13L219	11/30/23	Extractions Balance
A20F023	11/29/22	Sodium Sulfate Lot # 196476
A20F071	03/02/25	Copper, Granular Lot# 027040-BL
A20G267	01/13/25	Sulfuric Acid
A20G310	01/18/22	Florisil Lot 024140-CR
A20I319	03/21/21	DCM lot # 201490
A20J185	04/10/26	Glass Wool
A20L016	05/30/21	n-Hexane Lot# 206352

Analyte Spike(s)

Std ID	Exp. Date	Description
A21A066	07/07/21	8082 PCB Matrix Spike

Surrogate(s)

Std ID	Exp. Date	Description
A20L337	06/11/21	8082 PCB Surrogate Spike

Method 3546 digestion time and temperture achieved.
Initial:

Witness:_____

Prepared By: _____ Date _____

Reviewed By: _____ Date _____

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 1012827 (Sediment)

Prep Method: EPA 3546

#	Lab Number		Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH <2	pH Other	pH >11
1	1012827-BLK1		QC	01/13/21 10:20	~~10~~ 12	2 ✓				100					
2	1012827-BS1		QC	01/13/21 10:20	10	2 ✓	A21A066		100	100					
3	A0K0477-05	A	8082 PCBs - Low Level (2mL FV) +1262/68	01/13/21 10:20	~~10~~ 10.30	2 ✓				100	USMPDI-012SC-A-04-05-201109	Soil			
4	1012827-DUP1		QC	01/13/21 10:20	~~10~~ 11.01	2 ✓		A0K0477-05		100		☆			
5	A0K0477-09	A	8082 PCBs - Low Level (2mL FV) +1262/68	01/13/21 10:20	~~10~~ 10.31	2 ✓				100	USMPDI-012SC-D-06-08-201109	Soil			
6	A0K0477-10	A	8082 PCBs - Low Level (2mL FV) +1262/68	01/13/21 10:20	~~10~~ 10.50	2 ✓				100	USMPDI-012SC-D-08-10-201109	Soil			
7	A0K0477-11	A	8082 PCBs - Low Level (2mL FV) +1262/68	01/13/21 10:20	~~10~~ 10.22	2 ✓				100	USMPDI-012SC-D-10-12-201109	Soil			
8	A0K0477-29	A	8082 PCBs - Low Level (2mL FV) +1262/68	01/13/21 10:20	~~10~~ 10.29	2 ✓				100	USMPDI-057SC-A-05-06-201109	Soil			
9	A0K0482-01	A	8082 PCBs - Low Level (2mL FV) +1262/68	01/13/21 10:20	~~10~~ 10.76	2 ✓				100	USMPDI-003SC-A-01-02-201110	Soil			
10	A0K0482-02	A	8082 PCBs - Low Level (2mL FV) +1262/68	01/13/21 10:20	~~10~~ 10.92	2 ✓				100	USMPDI-003SC-A-02-03-201110	Soil			
11	A0K0482-03	A	8082 PCBs - Low Level (2mL FV) +1262/68	01/13/21 10:20	~~10~~ 10.34	2 ✓				100	USMPDI-003SC-A-03-04-201110	MS/MSD Soil			
12	1012827-MS2		QC	01/13/21 10:20	~~10~~ 10.22	2 ✓	A21A066	A0K0482-03	100	100					
13	1012827-MSD2		QC	01/13/21 10:20	~~10~~ 10.76	2 ✓	A21A066	A0K0482-03	100	100					
14	A0K0482-04	A	8082 PCBs - Low Level (2mL FV) +1262/68	01/13/21 10:20	~~10~~ 10.62	2 ✓				100	USMPDI-003SC-A-04-05-201110	Soil			
15	A0K0482-05	A	8082 PCBs - Low Level (2mL FV) +1262/68	01/13/21 10:20	~~10~~ 10.79	2 ✓				100	USMPDI-1003SC-A-01-02-201110	Soil			
16	A0K0482-10	A	8082 PCBs - Low Level (2mL FV) +1262/68	01/13/21 10:20	~~10~~ 10.96	2 ✓				100	USMPDI-003SC-B-06-08-201110	Soil			
17	A0K0482-11	A	8082 PCBs - Low Level (2mL FV) +1262/68	01/13/21 10:20	~~10~~ 10.29	2 ✓				100	USMPDI-006SC-A-01-02-201110	MUD, S			
18	A0K0482-12	A	8082 PCBs - Low Level (2mL FV) +1262/68	01/13/21 10:20	~~10~~ 10.97	2 ✓				100	USMPDI-006SC-A-02-03-201110	Soil			
19	A0K0482-13	A	8082 PCBs - Low Level (2mL FV) +1262/68	01/13/21 10:20	~~10~~ 10.99	2 ✓				100	USMPDI-006SC-A-03-04-201110	Soil			
20	A0K0482-14	A	8082 PCBs - Low Level (2mL FV) +1262/68	01/13/21 10:20	~~10~~ 10.71	2 ✓				100	USMPDI-006SC-A-04-05-201110	Soil			

MEB 1/13/21
Prepared By: Date

CAS 01/13/21
Reviewed By: Date

SLC 01/13/2021
CAS 01/13/21 (Clean up)

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 1012827 (Sediment)

Prep Method: EPA 3546

#	Lab Number		Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH <2	pH Other	pH >11
21	A0K0482-18	A	8082 PCBs - Low Level (2mL FV) +1262/68	01/13/21 10:20	~~10~~ 11.00	2 ✓				100	USMPDI-006SC-D-06-08-201110	SOIL			
22	A0K0482-19	A	8082 PCBs - Low Level (2mL FV) +1262/68	01/13/21 10:20	~~10~~ 10.24	2 ✓				100	USMPDI-006SC-D-08-10-201110	ROCKS, SOIL			
23	A0K0482-20	A	8082 PCBs - Low Level (2mL FV) +1262/68	01/13/21 10:20	~~10~~ 10.58	2 ✓				100	USMPDI-006SC-D-10-12-201110	SOIL			
24	A0K0482-21	A	8082 PCBs - Low Level (2mL FV) +1262/68	01/13/21 10:20	~~10~~ 10.71	2 ✓				100	USMPDI-006SC-D-12-14-201110	MS/MSD SOIL			
25	1012827-MS1		QC	01/13/21 10:20	~~10~~ 10.57	2 ✓	A21A066	A0K0482-21	100	~~100~~ 200 11/11/21		DS			
26	1012827-MSD1		QC	01/13/21 10:20	~~10~~ 10.23	2 ✓	A21A066	A0K0482-21	100	100					
27	A0K0482-22	A	8082 PCBs - Low Level (2mL FV) +1262/68	01/13/21 10:20	~~10~~ 10.32	2 ✓				100	USMPDI-1006SC-D-10-12-201110	SOIL			

Standards/Reagents

Reagent(s)

Std ID	Exp. Date	Description
A13L219	11/30/23	Extractions Balance
A20F023	11/29/22	Sodium Sulfate Lot # 196476
A20F071	03/02/25	Copper, Granular Lot# 027040-BL
A20G267	01/13/21	Sulfuric Acid
A20G310	01/18/22	Florisil Lot 024140-CR
A20I319	03/21/21	DCM lot # 201490
A20J185	04/10/26	Glass Wool
A20L016	05/30/21	n-Hexane Lot# 206352

Analyte Spike(s)

Std ID	Exp. Date	Description
A21A066	07/07/21	8082 PCB Matrix Spike

Surrogate(s)

Std ID	Exp. Date	Description
A20L337	06/11/21	8082 PCB Surrogate Spike

MEB

MEB

DS = Possibly surrogated twice

☆ = Na_2SO_4 fell into turbovap tube. Poured/filtered into new turbovap tube through new, rinsed drying funnel.

S = staining on turbo vap tube

Method 3546 digestion time and temperture achieved.
Initial: [signature]

Witness: SEA 01/13/2021

MEB 1/13/21
Prepared By: Date

Reviewed By: Date

ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence:	1A14017	Instrument:	DUALECD9R
Date:	**01/14/21 06:28**	Calibration:	**A0I1705**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	1A14017-CCV1	Sediment	QC	QC				A21A150
2	1A14017-CCB1	Sediment	QC	QC				A20L446
3	A0K0482-21	Sediment	8082 PCBs - Low Level (2mL FV) +12	Anchor QEA, LLC	01/14/21	1012827		
4	1A14017-IBL1	Sediment	QC	QC				
5	1012827-MS1	Sediment	QC	QC		1012827		
6	1A14017-IBL2	Sediment	QC	QC				
7	1012827-MSD1	Sediment	QC	QC		1012827		
8	1A14017-IBL3	Sediment	QC	QC				
9	A0K0482-22	Sediment	8082 PCBs - Low Level (2mL FV) +12	Anchor QEA, LLC	01/14/21	1012827		
10	1A14017-IBL4	Sediment	QC	QC				
11	A0K0482-03	Sediment	8082 PCBs - Low Level (2mL FV) +12	Anchor QEA, LLC	01/14/21	1012827		
12	1A14017-IBL5	Sediment	QC	QC				
13	1012827-MS2	Sediment	QC	QC		1012827		
14	1A14017-IBL6	Sediment	QC	QC				
15	1012827-MSD2	Sediment	QC	QC		1012827		
16	1A14017-IBL7	Sediment	QC	QC				
17	1A14017-CCV2	Sediment	QC	QC				A21A150
18	1A14017-CCB2	Sediment	QC	QC				A20L446

Comments:

Data Entered By/Date: KAK 1/14/21

Data Reviewed By/Date: MKZ 1/15/2021

1/14/2021 3:09:16PM

TOTAL AROCLOR AVERAGE RESULTS

The average result for the 1016 and 1260 selected peaks are reported here to facilitate data entry and review. Averages are done on all individual peaks and must be for matrix spikes if all peaks are not used in the average.

1A14017-CCV1

Aroclor 1016

Peak	Initial Res
1016 (1)	406.02
1016 (2)	426.72
1016 (3)	412.12
1016 (4)	433.92
1016 (5)	428.06
1016 (6)	441.38
Average:	**424.70**

Aroclor 1260

Peak	Initial Res
1260 (1)	476.77
1260 (2)	491.60
1260 (3)	510.37
1260 (4)	533.95
1260 (5)	540.96
1260 (6)	515.17
Average:	**511.47**

1012827-MS1

Aroclor 1016

Peak	Initial Res
1016 (1)	794.42
1016 (2)	891.40
1016 (3)	795.90
1016 (4)	870.10
1016 (5)	857.73
1016 (6)	891.10
Average:	**850.11**

Aroclor 1260

Peak	Initial Res
1260 (1)	1,005.27
1260 (2)	1,025.92
1260 (3)	1,056.91
1260 (4)	1,203.32
1260 (5)	1,140.24
1260 (6)	1,087.93
Average:	**1,086.60**

TOTAL AROCLOR AVERAGE RESULTS

The average result for the 1016 and 1260 selected peaks are reported here to facilitate data entry and review. Averages are done on all individual peaks and must be for matrix spikes if all peaks are not used in the average.

1012827-MSD1

Aroclor 1016

Peak	Initial Res
1016 (1)	817.22
1016 (2)	922.28
1016 (3)	820.88
1016 (4)	887.14
1016 (5)	884.06
1016 (6)	920.98
Average:	**875.43**

Aroclor 1260

Peak	Initial Res
1260 (1)	978.95
1260 (2)	1,105.89
1260 (3)	1,088.47
1260 (4)	1,181.37
1260 (5)	1,117.31
1260 (6)	1,083.41
Average:	**1,092.57**

1012827-MS2

Aroclor 1016

Peak	Initial Res
1016 (1)	685.12
1016 (2)	790.01
1016 (3)	705.98
1016 (4)	768.66
1016 (5)	781.68
1016 (6)	775.68
Average:	**751.19**

Aroclor 1260

Peak	Initial Res
1260 (1)	869.31
1260 (2)	957.01
1260 (3)	996.62
1260 (4)	1,072.02
1260 (5)	1,044.63
1260 (6)	1,016.40
Average:	**992.67**

TOTAL AROCLOR AVERAGE RESULTS

The average result for the 1016 and 1260 selected peaks are reported here to facilitate data entry and review. Averages are done on all individual peaks and must be for matrix spikes if all peaks are not used in the average.

1012827-MSD2

Aroclor 1016

Peak	Initial Res
1016 (1)	702.67
1016 (2)	809.96
1016 (3)	724.02
1016 (4)	785.71
1016 (5)	761.79
1016 (6)	781.23
Average:	**760.90**

Aroclor 1260

Peak	Initial Res
1260 (1)	912.15
1260 (2)	956.54
1260 (3)	1,016.61
1260 (4)	1,102.97
1260 (5)	1,045.33
1260 (6)	1,022.18
Average:	**1,009.30**

1A14017-CCV2

Aroclor 1016

Peak	Initial Res
1016 (1)	401.32
1016 (2)	436.20
1016 (3)	408.13
1016 (4)	436.52
1016 (5)	430.34
1016 (6)	446.65
Average:	**426.53**

Aroclor 1260

Peak	Initial Res
1260 (1)	489.31
1260 (2)	503.06
1260 (3)	519.83
1260 (4)	583.19
1260 (5)	543.50
1260 (6)	508.38
Average:	**524.55**

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_03.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 07:39
Operator : KAK
Sample : 1A14017-CCV1
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 12:54:05 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	5.757	362996189	227.011	ng/ml
64) S	DCBP (S)	10.831	183095284	257.874	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.436	23026489	406.023	ng/ml
3)	Aroclor 1016 (2)	6.930	38737430	426.716	ng/ml
4)	Aroclor 1016 (3)	7.059	17754772	412.119	ng/ml
5)	Aroclor 1016 (4)	7.144	20236376	433.923	ng/ml
6)	Aroclor 1016 (5)	7.189	21711067	428.060	ng/ml
7)	Aroclor 1016 (6)	7.316	22009756	441.380	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.934	1635496	148.660	ng/ml
10)	Aroclor 1221 (2)	6.010	2949423	265.569	ng/ml
11)	Aroclor 1221 (3)	6.097	12799856	350.207	ng/ml
12)	Aroclor 1221 (4)	6.612	13097112	1655.544	ng/ml
13)	Aroclor 1221 (5)	6.930	38737430	6440.940	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	6.097	12799856	419.767	ng/ml
16)	Aroclor 1232 (2)	6.436	23026489	1139.673	ng/ml
17)	Aroclor 1232 (3)	6.930	38737430	1154.705	ng/ml
18)	Aroclor 1232 (4)	7.144	20236376	1450.986	ng/ml
19)	Aroclor 1232 (5)	7.189	21711067	1364.688	ng/ml
20)	Aroclor 1232 (6)	7.316	22009756	1354.074	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.436	23026489	613.783	ng/ml
23)	Aroclor 1242 (2)	6.930	38737430	643.877	ng/ml
24)	Aroclor 1242 (3)	7.059	17754772	611.285	ng/ml
25)	Aroclor 1242 (4)	7.144	20236376	709.658	ng/ml

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_03.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 07:39
Operator : KAK
Sample : 1A14017-CCV1
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 12:54:05 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
26)	Aroclor 1242 (5)	7.189	21711067	657.407	ng/ml
27)	Aroclor 1242 (6)	7.316	22009756	658.732	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.902	34745258	911.049	ng/ml
30)	Aroclor 1248 (2)	7.144	20236376	371.863	ng/ml
31)	Aroclor 1248 (3)	7.189	21711067	437.614	ng/ml
32)	Aroclor 1248 (4)	7.316	22009756	380.104	ng/ml
33)	Aroclor 1248 (5)	7.683	5125553	70.462	ng/ml
34)	Aroclor 1248 (6)	7.843	18672866	313.008	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.660	16159418	227.029	ng/ml
37)	Aroclor 1254 (2)	7.843	18672866	171.491	ng/ml
38)	Aroclor 1254 (3)	8.157	10655177	95.546	ng/ml
39)	Aroclor 1254 (4)	8.397	7193883	87.985	ng/ml
40)	Aroclor 1254 (5)	8.736	57697690	668.562	ng/ml
41)	Aroclor 1254 (6)	8.955	8354851	346.156	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.293	45833216	476.769	ng/ml
44)	Aroclor 1260 (2)	8.501	56460671	491.600	ng/ml
45)	Aroclor 1260 (3)	8.736	57697690	510.369	ng/ml
46)	Aroclor 1260 (4)	9.237	87712792	533.948	ng/ml
47)	Aroclor 1260 (5)	9.513	52554345	540.959	ng/ml
48)	Aroclor 1260 (6)	10.118	19951314	515.166	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	8.501	56460671	705.372	ng/ml
51)	Aroclor 1262 (2)	8.805	42146996	370.049	ng/ml
52)	Aroclor 1262 (3)	8.985	41896853	474.289	ng/ml
53)	Aroclor 1262 (4)	9.237	87712792	514.355	ng/ml
54)	Aroclor 1262 (5)	9.513	52554345	499.145	ng/ml
55)	Aroclor 1262 (6)	10.118	19951314	438.399	ng/ml

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_03.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 07:39
Operator : KAK
Sample : 1A14017-CCV1
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 12:54:05 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	9.029	3362132	69.505	ng/ml
58)	Aroclor 1268 (2)	9.513	52554345	278.130	ng/ml
59)	Aroclor 1268 (3)	9.581	20328910	134.543	ng/ml
60)	Aroclor 1268 (4)	9.813	4181030	31.351	ng/ml
61)	Aroclor 1268 (5)	10.118	19951314	402.212	ng/ml
62)	Aroclor 1268 (6)	10.494	11181227	32.618	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

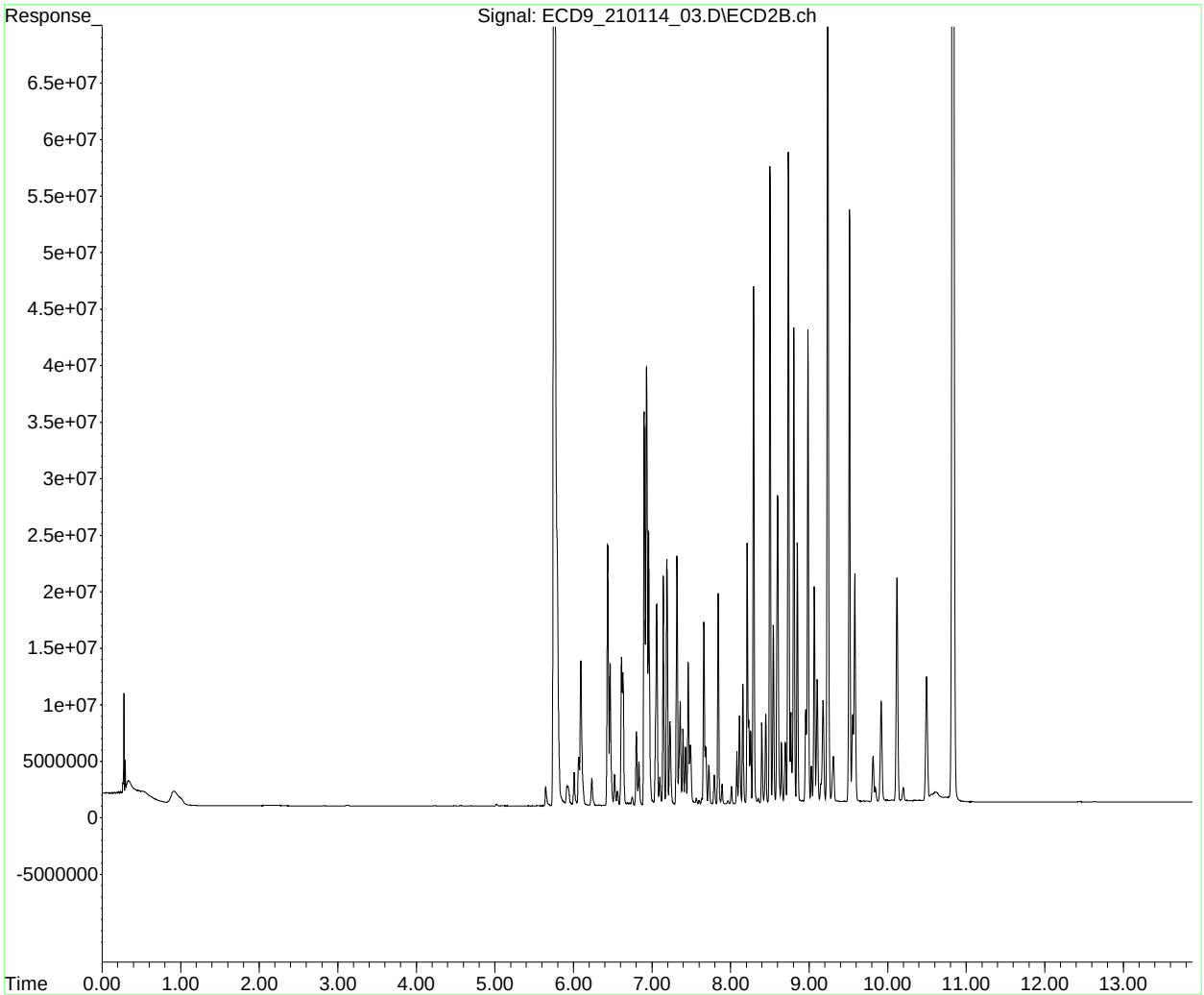
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_03.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 07:39
Operator : KAK
Sample : 1A14017-CCV1
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 12:54:05 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_03.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 07:39
Operator : KAK
Sample : 1A14017-CCV1
Misc :
ALS Vial : 52 Sample Multiplier: 1

KAK 1/14/21

Integration File: events.e
Quant Time: Jan 14 12:54:05 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units	
	System Monitoring Compounds					
1) S	TCMX (S)	5.757	362996189	227.011	ng/ml	
64) S	DCBP (S)	10.831	183095284	257.874	ng/ml	
	Target Compounds					
2)	Aroclor 1016 (1)	6.436	23026489	406.023	ng/ml	
3)	Aroclor 1016 (2)	6.930	38737430	426.716	ng/ml	
4)	Aroclor 1016 (3)	7.059	17754772	412.119	ng/ml	
5)	Aroclor 1016 (4)	7.144	20236376	433.923	ng/ml	✓
6)	Aroclor 1016 (5)	7.189	21711067	428.060	ng/ml	
7)	Aroclor 1016 (6)	7.316	22009756	441.380	ng/ml	
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml	
9)	Aroclor 1221 (1)	5.934	1635496	148.660	ng/ml	
10)	Aroclor 1221 (2)	6.010	2949423	265.569	ng/ml	
11)	Aroclor 1221 (3)	6.097	12799856	350.207	ng/ml	
12)	Aroclor 1221 (4)	6.612	13097112	1655.544	ng/ml	
13)	Aroclor 1221 (5)	6.930	38737430	6440.940	ng/ml	
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml	
15)	Aroclor 1232 (1)	6.097	12799856	419.767	ng/ml	
16)	Aroclor 1232 (2)	6.436	23026489	1139.673	ng/ml	
17)	Aroclor 1232 (3)	6.930	38737430	1154.705	ng/ml	
18)	Aroclor 1232 (4)	7.144	20236376	1450.986	ng/ml	
19)	Aroclor 1232 (5)	7.189	21711067	1364.688	ng/ml	
20)	Aroclor 1232 (6)	7.316	22009756	1354.074	ng/ml	
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml	
22)	Aroclor 1242 (1)	6.436	23026489	613.783	ng/ml	
23)	Aroclor 1242 (2)	6.930	38737430	643.877	ng/ml	
24)	Aroclor 1242 (3)	7.059	17754772	611.285	ng/ml	
25)	Aroclor 1242 (4)	7.144	20236376	709.658	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_03.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 07:39
Operator : KAK
Sample : 1A14017-CCV1
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 12:54:05 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units	
26)	Aroclor 1242 (5)	7.189	21711067	657.407	ng/ml	
27)	Aroclor 1242 (6)	7.316	22009756	658.732	ng/ml	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml	
29)	Aroclor 1248 (1)	6.902	34745258	911.049	ng/ml	
30)	Aroclor 1248 (2)	7.144	20236376	371.863	ng/ml	
31)	Aroclor 1248 (3)	7.189	21711067	437.614	ng/ml	
32)	Aroclor 1248 (4)	7.316	22009756	380.104	ng/ml	
33)	Aroclor 1248 (5)	7.683	5125553	70.462	ng/ml	
34)	Aroclor 1248 (6)	7.843	18672866	313.008	ng/ml	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml	
36)	Aroclor 1254 (1)	7.660	16159418	227.029	ng/ml	
37)	Aroclor 1254 (2)	7.843	18672866	171.491	ng/ml	
38)	Aroclor 1254 (3)	8.157	10655177	95.546	ng/ml	
39)	Aroclor 1254 (4)	8.397	7193883	87.985	ng/ml	
40)	Aroclor 1254 (5)	8.736	57697690	668.562	ng/ml	
41)	Aroclor 1254 (6)	8.955	8354851	346.156	ng/ml	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml	
43)	Aroclor 1260 (1)	8.293	45833216	476.769	ng/ml	
44)	Aroclor 1260 (2)	8.501	56460671	491.600	ng/ml	
45)	Aroclor 1260 (3)	8.736	57697690	510.369	ng/ml	
46)	Aroclor 1260 (4)	9.237	87712792	533.948	ng/ml	✓
47)	Aroclor 1260 (5)	9.513	52554345	540.959	ng/ml	
48)	Aroclor 1260 (6)	10.118	19951314	515.166	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	8.501	56460671	705.372	ng/ml	
51)	Aroclor 1262 (2)	8.805	42146996	370.049	ng/ml	
52)	Aroclor 1262 (3)	8.985	41896853	474.289	ng/ml	
53)	Aroclor 1262 (4)	9.237	87712792	514.355	ng/ml	
54)	Aroclor 1262 (5)	9.513	52554345	499.145	ng/ml	
55)	Aroclor 1262 (6)	10.118	19951314	438.399	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_03.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 07:39
Operator : KAK
Sample : 1A14017-CCV1
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 12:54:05 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	9.029	3362132	69.505	ng/ml
58)	Aroclor 1268 (2)	9.513	52554345	278.130	ng/ml
59)	Aroclor 1268 (3)	9.581	20328910	134.543	ng/ml
60)	Aroclor 1268 (4)	9.813	4181030	31.351	ng/ml
61)	Aroclor 1268 (5)	10.118	19951314	402.212	ng/ml
62)	Aroclor 1268 (6)	10.494	11181227	32.618	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

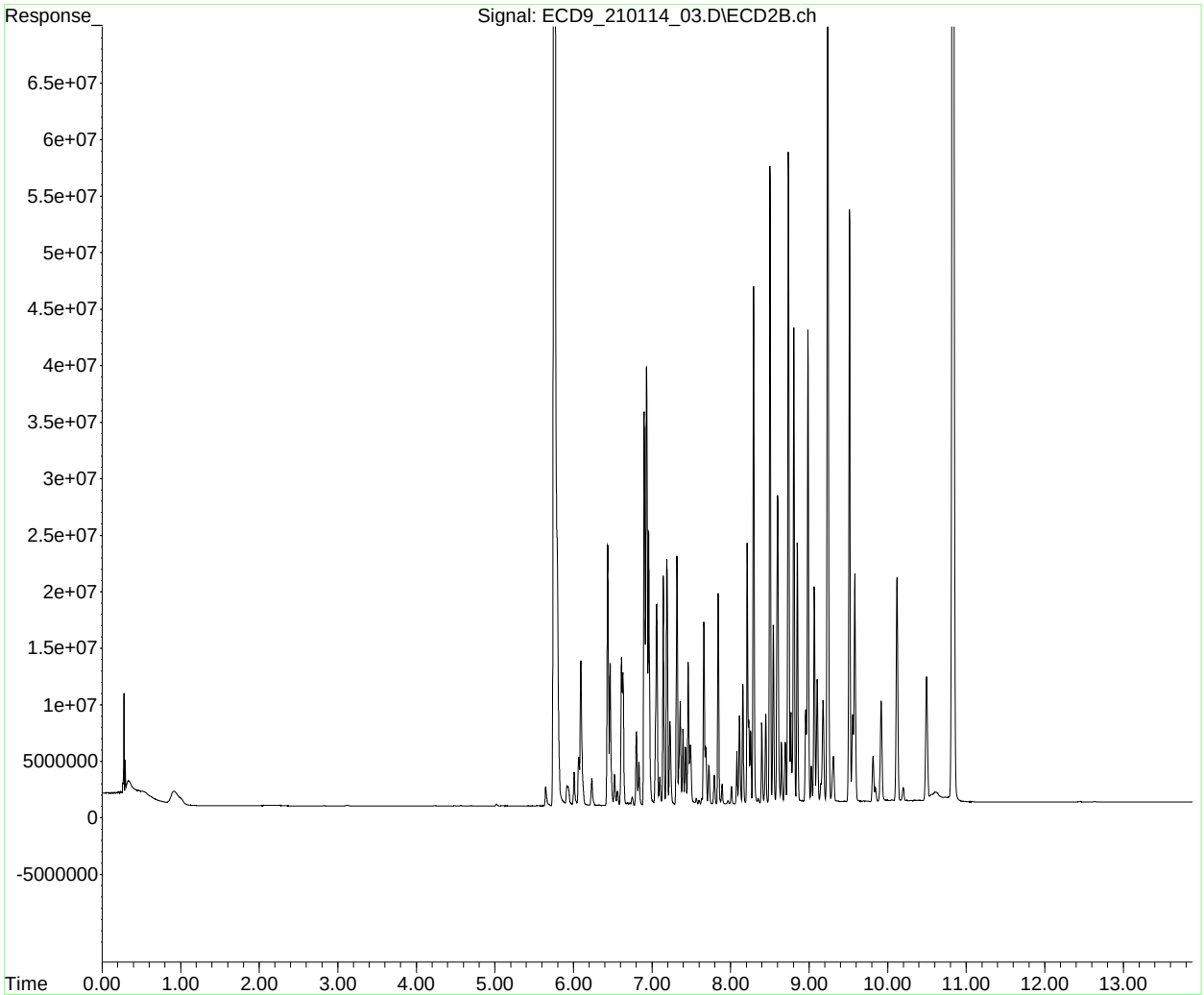
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_03.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 07:39
Operator : KAK
Sample : 1A14017-CCV1
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 12:54:05 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_05.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 07:59
Operator : KAK
Sample : 1A14017-CCB1
Misc :
ALS Vial : 53 Sample Multiplier: 1

KAK 1/14/21

Clean

Integration File: events.e
Quant Time: Jan 14 13:46:24 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	5.757	142056155	88.839	ng/ml
64) S	DCBP (S)	10.831	75065682	105.724	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.440	6742	0.119	ng/ml
3)	Aroclor 1016 (2)	6.924	25996	0.286	ng/ml
4)	Aroclor 1016 (3)	7.062	7133	0.166	ng/ml
5)	Aroclor 1016 (4)	7.165	5705	0.122	ng/ml
6)	Aroclor 1016 (5)	7.197	5251	0.104	ng/ml
7)	Aroclor 1016 (6)	7.317	3562	0.071	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.950	64980	5.906	ng/ml
10)	Aroclor 1221 (2)	6.016	41180	3.708	ng/ml
11)	Aroclor 1221 (3)	6.068	1891170	51.743	ng/ml
12)	Aroclor 1221 (4)	6.621	6639	0.839	ng/ml
13)	Aroclor 1221 (5)	6.924	25996	4.322	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	6.068	1891170	62.020	ng/ml
16)	Aroclor 1232 (2)	6.440	6742	0.334	ng/ml
17)	Aroclor 1232 (3)	6.924	25996	0.775	ng/ml
18)	Aroclor 1232 (4)	7.165	5705	0.409	ng/ml
19)	Aroclor 1232 (5)	7.197	5251	0.330	ng/ml
20)	Aroclor 1232 (6)	7.317	3562	0.219	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.440	6742	0.180	ng/ml
23)	Aroclor 1242 (2)	6.924	25996	0.432	ng/ml
24)	Aroclor 1242 (3)	7.062	7133	0.246	ng/ml
25)	Aroclor 1242 (4)	7.165	5705	0.200	ng/ml

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_05.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 07:59
Operator : KAK
Sample : 1A14017-CCB1
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 13:46:24 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
26)	Aroclor 1242 (5)	7.197	5251	0.159 ng/ml
27)	Aroclor 1242 (6)	7.317	3562	0.107 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.886	4471	0.117 ng/ml
30)	Aroclor 1248 (2)	7.125	5268	0.097 ng/ml
31)	Aroclor 1248 (3)	7.185	6982	0.141 ng/ml
32)	Aroclor 1248 (4)	7.317	3562	0.062 ng/ml
33)	Aroclor 1248 (5)	7.690	9157	0.126 ng/ml
34)	Aroclor 1248 (6)	7.843	21808	0.366 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.658	7961	0.112 ng/ml
37)	Aroclor 1254 (2)	7.843	21808	0.200 ng/ml
38)	Aroclor 1254 (3)	8.161	32289	0.290 ng/ml
39)	Aroclor 1254 (4)	8.403	40997	0.501 ng/ml
40)	Aroclor 1254 (5)	8.746	71001	0.823 ng/ml
41)	Aroclor 1254 (6)	8.945	77160	3.197 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	8.296	35545	0.370 ng/ml
44)	Aroclor 1260 (2)	8.490	69137	0.602 ng/ml
45)	Aroclor 1260 (3)	8.746	71001	0.628 ng/ml
46)	Aroclor 1260 (4)	9.238	79456	0.484 ng/ml
47)	Aroclor 1260 (5)	9.514	94632	0.974 ng/ml
48)	Aroclor 1260 (6)	10.120	160051	4.133 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	8.490	69137	0.864 ng/ml
51)	Aroclor 1262 (2)	8.804	66776	0.586 ng/ml
52)	Aroclor 1262 (3)	8.986	87563	0.991 ng/ml
53)	Aroclor 1262 (4)	9.238	79456	0.466 ng/ml
54)	Aroclor 1262 (5)	9.514	94632	0.899 ng/ml
55)	Aroclor 1262 (6)	10.120	160051	3.517 ng/ml

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_05.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 07:59
Operator : KAK
Sample : 1A14017-CCB1
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 13:46:24 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	9.032	79480	1.643	ng/ml
58)	Aroclor 1268 (2)	9.514	94632	0.501	ng/ml
59)	Aroclor 1268 (3)	9.586	90260	0.597	ng/ml
60)	Aroclor 1268 (4)	9.812	1612392	12.090	ng/ml
61)	Aroclor 1268 (5)	10.120	160051	3.227	ng/ml
62)	Aroclor 1268 (6)	10.493	3170938	9.250	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

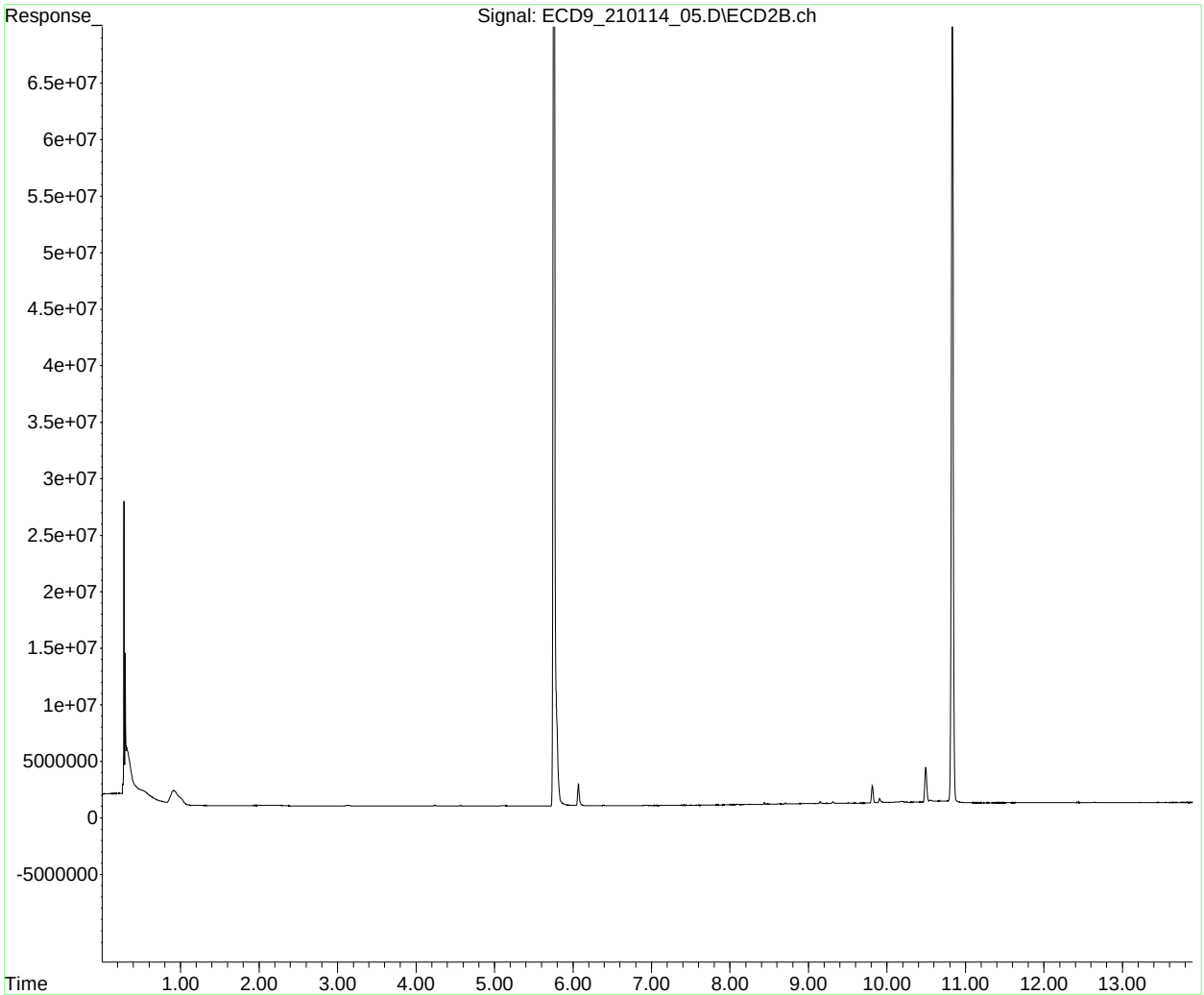
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_05.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 07:59
Operator : KAK
Sample : 1A14017-CCB1
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 13:46:24 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_07.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 08:17
Operator : KAK
Sample : A0K0482-21
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 13:46:50 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	5.757	301141501	188.328	ng/ml
64) S	DCBP (S)	10.830	200300769	282.106	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.435	36075	0.636	ng/ml
3)	Aroclor 1016 (2)	6.930	87620	0.965	ng/ml
4)	Aroclor 1016 (3)	7.058	38599	0.896	ng/ml
5)	Aroclor 1016 (4)	7.144	44968	0.964	ng/ml
6)	Aroclor 1016 (5)	7.189	53815	1.061	ng/ml
7)	Aroclor 1016 (6)	7.318	57605	1.155	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.953	86804	7.890	ng/ml
10)	Aroclor 1221 (2)	5.996	65538	5.901	ng/ml
11)	Aroclor 1221 (3)	6.068	3816755	104.427	ng/ml
12)	Aroclor 1221 (4)	6.618	20422	2.582	ng/ml
13)	Aroclor 1221 (5)	6.930	87620	14.569	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	6.068	3816755	125.169	ng/ml
16)	Aroclor 1232 (2)	6.435	36075	1.786	ng/ml
17)	Aroclor 1232 (3)	6.930	87620	2.612	ng/ml
18)	Aroclor 1232 (4)	7.144	44968	3.224	ng/ml
19)	Aroclor 1232 (5)	7.189	53815	3.383	ng/ml
20)	Aroclor 1232 (6)	7.318	57605	3.544	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.435	36075	0.962	ng/ml
23)	Aroclor 1242 (2)	6.930	87620	1.456	ng/ml
24)	Aroclor 1242 (3)	7.058	38599	1.329	ng/ml
25)	Aroclor 1242 (4)	7.144	44968	1.577	ng/ml

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_07.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 08:17
Operator : KAK
Sample : A0K0482-21
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 13:46:50 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
26)	Aroclor 1242 (5)	7.189	53815	1.630 ng/ml
27)	Aroclor 1242 (6)	7.318	57605	1.724 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.902	63197	1.657 ng/ml
30)	Aroclor 1248 (2)	7.144	44968	0.826 ng/ml
31)	Aroclor 1248 (3)	7.189	53815	1.085 ng/ml
32)	Aroclor 1248 (4)	7.318	57605	0.995 ng/ml
33)	Aroclor 1248 (5)	7.683	179044	2.461 ng/ml
34)	Aroclor 1248 (6)	7.841	178699	2.995 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.666	111872	1.572 ng/ml
37)	Aroclor 1254 (2)	7.841	178699	1.641 ng/ml
38)	Aroclor 1254 (3)	8.156	118692	1.064 ng/ml
39)	Aroclor 1254 (4)	8.397	136021	1.664 ng/ml
40)	Aroclor 1254 (5)	8.736	94171	1.091 ng/ml
41)	Aroclor 1254 (6)	8.933	75879	3.144 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	8.292	69094	0.719 ng/ml
44)	Aroclor 1260 (2)	8.499	122402	1.066 ng/ml
45)	Aroclor 1260 (3)	8.736	94171	0.833 ng/ml
46)	Aroclor 1260 (4)	9.235	117305	0.714 ng/ml
47)	Aroclor 1260 (5)	9.512	134645	1.386 ng/ml
48)	Aroclor 1260 (6)	10.113	221717	5.725 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	8.499	122402	1.529 ng/ml
51)	Aroclor 1262 (2)	8.804	88889	0.780 ng/ml
52)	Aroclor 1262 (3)	8.983	100083	1.133 ng/ml
53)	Aroclor 1262 (4)	9.235	117305	0.688 ng/ml
54)	Aroclor 1262 (5)	9.512	134645	1.279 ng/ml
55)	Aroclor 1262 (6)	10.113	221717	4.872 ng/ml

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_07.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 08:17
Operator : KAK
Sample : A0K0482-21
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 13:46:50 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	9.031	88944	1.839	ng/ml
58)	Aroclor 1268 (2)	9.512	134645	0.713	ng/ml
59)	Aroclor 1268 (3)	9.580	116222	0.769	ng/ml
60)	Aroclor 1268 (4)	9.811	3445794	25.838	ng/ml
61)	Aroclor 1268 (5)	10.113	221717	4.470	ng/ml
62)	Aroclor 1268 (6)	10.492	7589248	22.139	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

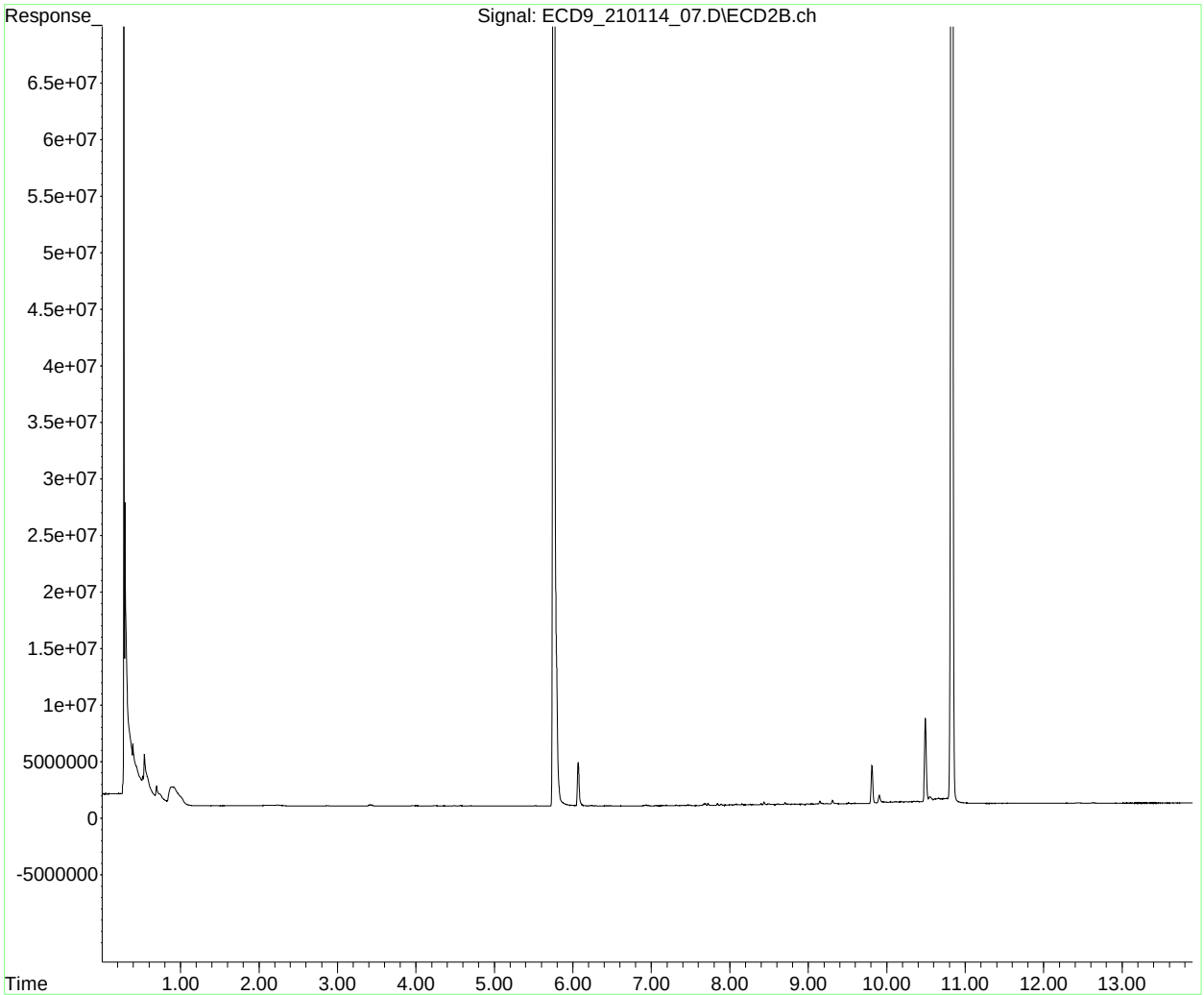
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_07.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 08:17
Operator : KAK
Sample : A0K0482-21
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 13:46:50 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_07.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 08:17
Operator : KAK
Sample : A0K0482-21
Misc :
ALS Vial : 54 Sample Multiplier: 1

KAK 1/14/21

Integration File: events.e
Quant Time: Jan 14 13:46:50 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	5.757	301141501	188.328	ng/ml
64) S	DCBP (S)	10.830	200300769	282.106	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.435	36075	0.636	ng/ml
3)	Aroclor 1016 (2)	6.930	87620	0.965	ng/ml
4)	Aroclor 1016 (3)	7.058	38599	0.896	ng/ml
5)	Aroclor 1016 (4)	7.144	44968	0.964	ng/ml
6)	Aroclor 1016 (5)	7.189	53815	1.061	ng/ml
7)	Aroclor 1016 (6)	7.318	57605	1.155	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.953	86804	7.890	ng/ml
10)	Aroclor 1221 (2)	5.996	65538	5.901	ng/ml
11)	Aroclor 1221 (3)	6.068	3816755	104.427	ng/ml
12)	Aroclor 1221 (4)	6.618	20422	2.582	ng/ml
13)	Aroclor 1221 (5)	6.930	87620	14.569	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	6.068	3816755	125.169	ng/ml
16)	Aroclor 1232 (2)	6.435	36075	1.786	ng/ml
17)	Aroclor 1232 (3)	6.930	87620	2.612	ng/ml
18)	Aroclor 1232 (4)	7.144	44968	3.224	ng/ml
19)	Aroclor 1232 (5)	7.189	53815	3.383	ng/ml
20)	Aroclor 1232 (6)	7.318	57605	3.544	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.435	36075	0.962	ng/ml
23)	Aroclor 1242 (2)	6.930	87620	1.456	ng/ml
24)	Aroclor 1242 (3)	7.058	38599	1.329	ng/ml
25)	Aroclor 1242 (4)	7.144	44968	1.577	ng/ml

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_07.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 08:17
Operator : KAK
Sample : A0K0482-21
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 13:46:50 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
26)	Aroclor 1242 (5)	7.189	53815	1.630 ng/ml
27)	Aroclor 1242 (6)	7.318	57605	1.724 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.902	63197	1.657 ng/ml
30)	Aroclor 1248 (2)	7.144	44968	0.826 ng/ml
31)	Aroclor 1248 (3)	7.189	53815	1.085 ng/ml
32)	Aroclor 1248 (4)	7.318	57605	0.995 ng/ml
33)	Aroclor 1248 (5)	7.683	179044	2.461 ng/ml
34)	Aroclor 1248 (6)	7.841	178699	2.995 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.666	111872	1.572 ng/ml
37)	Aroclor 1254 (2)	7.841	178699	1.641 ng/ml
38)	Aroclor 1254 (3)	8.156	118692	1.064 ng/ml
39)	Aroclor 1254 (4)	8.397	136021	1.664 ng/ml
40)	Aroclor 1254 (5)	8.736	94171	1.091 ng/ml
41)	Aroclor 1254 (6)	8.933	75879	3.144 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	8.292	69094	0.719 ng/ml
44)	Aroclor 1260 (2)	8.499	122402	1.066 ng/ml
45)	Aroclor 1260 (3)	8.736	94171	0.833 ng/ml
46)	Aroclor 1260 (4)	9.235	117305	0.714 ng/ml
47)	Aroclor 1260 (5)	9.512	134645	1.386 ng/ml
48)	Aroclor 1260 (6)	10.113	221717	5.725 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	8.499	122402	1.529 ng/ml
51)	Aroclor 1262 (2)	8.804	88889	0.780 ng/ml
52)	Aroclor 1262 (3)	8.983	100083	1.133 ng/ml
53)	Aroclor 1262 (4)	9.235	117305	0.688 ng/ml
54)	Aroclor 1262 (5)	9.512	134645	1.279 ng/ml
55)	Aroclor 1262 (6)	10.113	221717	4.872 ng/ml

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_07.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 08:17
Operator : KAK
Sample : A0K0482-21
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 13:46:50 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	9.031	88944	1.839	ng/ml
58)	Aroclor 1268 (2)	9.512	134645	0.713	ng/ml
59)	Aroclor 1268 (3)	9.580	116222	0.769	ng/ml
60)	Aroclor 1268 (4)	9.811	3445794	25.838	ng/ml
61)	Aroclor 1268 (5)	10.113	221717	4.470	ng/ml
62)	Aroclor 1268 (6)	10.492	7589248	22.139	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

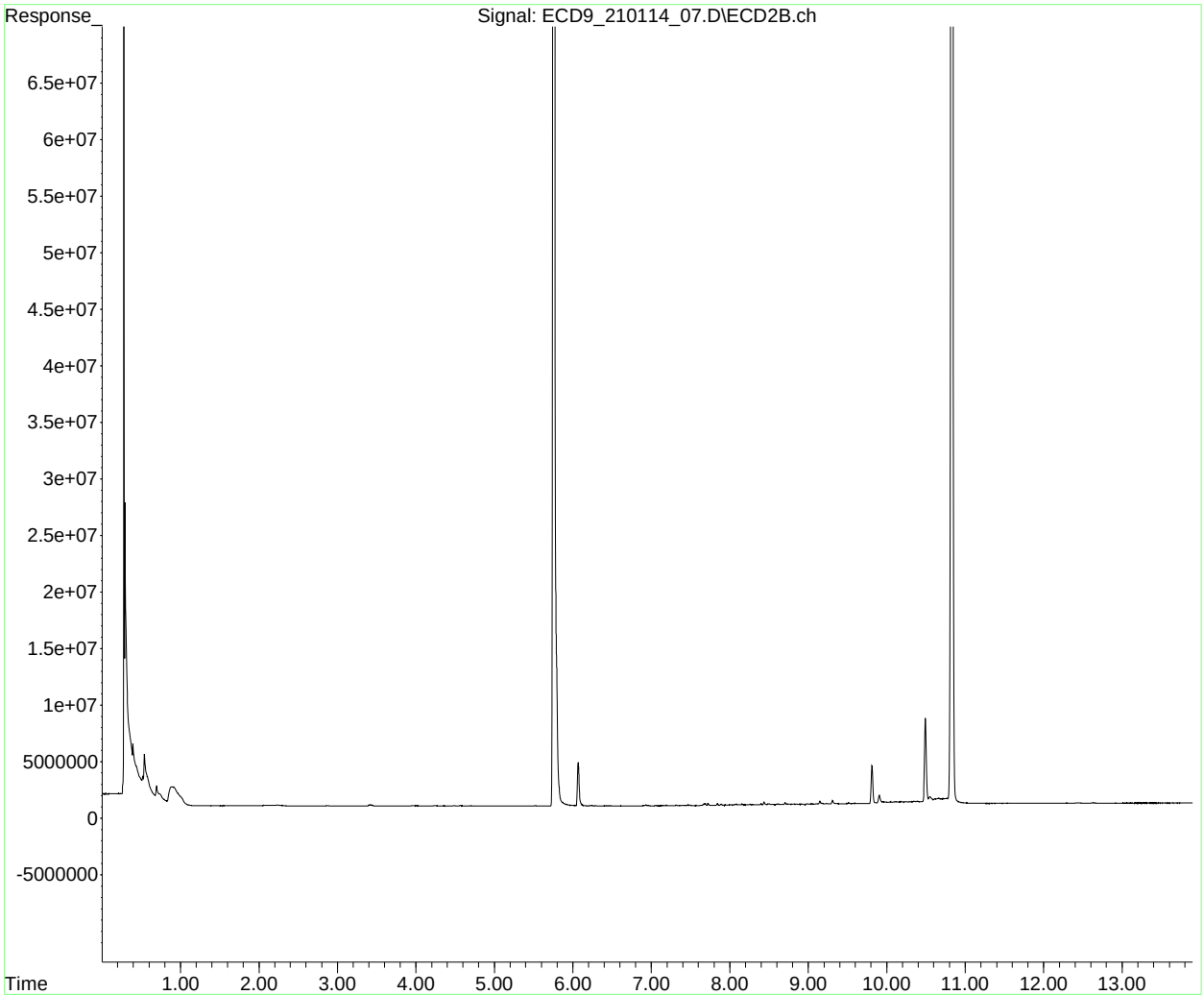
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_07.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 08:17
Operator : KAK
Sample : A0K0482-21
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 13:46:50 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_11.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 08:52
Operator : KAK
Sample : 1012827-MS1
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 13:48:31 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	5.757	651659909	407.536	ng/ml
64) S	DCBP (S)	10.828	390463309	549.934	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.435	45053050	794.415	ng/ml
3)	Aroclor 1016 (2)	6.930	80921868	891.403	ng/ml
4)	Aroclor 1016 (3)	7.057	34288582	795.898	ng/ml
5)	Aroclor 1016 (4)	7.143	40577703	870.096	ng/ml
6)	Aroclor 1016 (5)	7.189	43503615	857.727	ng/ml
7)	Aroclor 1016 (6)	7.315	44435103	891.095	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.921	3163917	287.587	ng/ml
10)	Aroclor 1221 (2)	6.009	5056452	455.288	ng/ml
11)	Aroclor 1221 (3)	6.098	24477427	669.708	ng/ml
12)	Aroclor 1221 (4)	6.612	23102913	2920.329	ng/ml
13)	Aroclor 1221 (5)	6.930	80921868	13455.021	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	6.098	24477427	802.729	ng/ml
16)	Aroclor 1232 (2)	6.435	45053050	2229.855	ng/ml
17)	Aroclor 1232 (3)	6.930	80921868	2412.161	ng/ml
18)	Aroclor 1232 (4)	7.143	40577703	2909.498	ng/ml
19)	Aroclor 1232 (5)	7.189	43503615	2734.497	ng/ml
20)	Aroclor 1232 (6)	7.315	44435103	2733.715	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.435	45053050	1200.913	ng/ml
23)	Aroclor 1242 (2)	6.930	80921868	1345.049	ng/ml
24)	Aroclor 1242 (3)	7.057	34288582	1180.532	ng/ml
25)	Aroclor 1242 (4)	7.143	40577703	1422.996	ng/ml

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_11.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 08:52
Operator : KAK
Sample : 1012827-MS1
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 13:48:31 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
26)	Aroclor 1242 (5)	7.189	43503615	1317.280	ng/ml
27)	Aroclor 1242 (6)	7.315	44435103	1329.901	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.901	70566967	1850.324	ng/ml
30)	Aroclor 1248 (2)	7.143	40577703	745.655	ng/ml
31)	Aroclor 1248 (3)	7.189	43503615	876.870	ng/ml
32)	Aroclor 1248 (4)	7.315	44435103	767.386	ng/ml
33)	Aroclor 1248 (5)	7.683	10024407	137.808	ng/ml
34)	Aroclor 1248 (6)	7.842	37811404	633.822	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.660	32065533	450.499	ng/ml
37)	Aroclor 1254 (2)	7.842	37811404	347.259	ng/ml
38)	Aroclor 1254 (3)	8.156	20777239	186.311	ng/ml
39)	Aroclor 1254 (4)	8.396	14041682	171.738	ng/ml
40)	Aroclor 1254 (5)	8.734	119484570	1384.507	ng/ml
41)	Aroclor 1254 (6)	8.953	17546380	726.978	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.292	96639784	1005.272	ng/ml
44)	Aroclor 1260 (2)	8.499	117827296	1025.915	ng/ml
45)	Aroclor 1260 (3)	8.734	119484570	1056.910	ng/ml
46)	Aroclor 1260 (4)	9.235	197671645	1203.319	ng/ml
47)	Aroclor 1260 (5)	9.511	110774804	1140.242	ng/ml
48)	Aroclor 1260 (6)	10.115	42133386	1087.933	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	8.499	117827296	1472.036	ng/ml
51)	Aroclor 1262 (2)	8.803	92220630	809.694	ng/ml
52)	Aroclor 1262 (3)	8.984	88892748	1006.301	ng/ml
53)	Aroclor 1262 (4)	9.235	197671645	1159.162	ng/ml
54)	Aroclor 1262 (5)	9.511	110774804	1052.104	ng/ml
55)	Aroclor 1262 (6)	10.115	42133386	925.815	ng/ml

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_11.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 08:52
Operator : KAK
Sample : 1012827-MS1
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 13:48:31 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	9.027	6392879	132.159	ng/ml
58)	Aroclor 1268 (2)	9.511	110774804	586.247	ng/ml
59)	Aroclor 1268 (3)	9.579	44140175	292.134	ng/ml
60)	Aroclor 1268 (4)	9.810	7986947	59.890	ng/ml
61)	Aroclor 1268 (5)	10.115	42133386	849.395	ng/ml
62)	Aroclor 1268 (6)	10.491	22321357	65.115	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

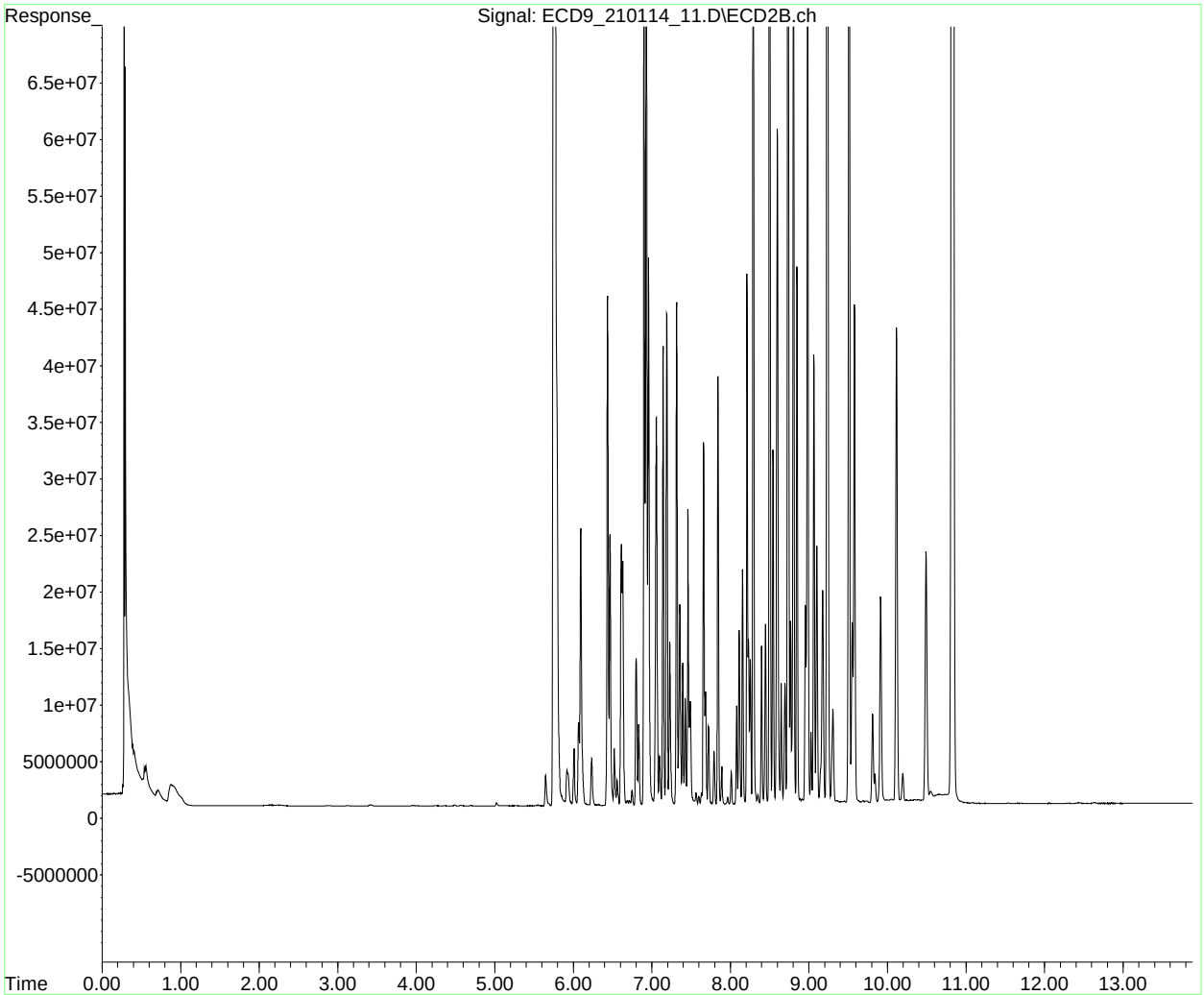
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_11.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 08:52
Operator : KAK
Sample : 1012827-MS1
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 13:48:31 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_11.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 08:52
Operator : KAK
Sample : 1012827-MS1
Misc :
ALS Vial : 55 Sample Multiplier: 1

KAK 1/14/21

Integration File: events.e
Quant Time: Jan 14 13:48:31 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds						
1) S	TCMX (S)	5.757	651659909	407.536	ng/ml	
64) S	DCBP (S)	10.828	390463309	549.934	ng/ml	
				Double Surr.		
Target Compounds						
2)	Aroclor 1016 (1)	6.435	45053050	794.415	ng/ml	
3)	Aroclor 1016 (2)	6.930	80921868	891.403	ng/ml	
4)	Aroclor 1016 (3)	7.057	34288582	795.898	ng/ml	✓
5)	Aroclor 1016 (4)	7.143	40577703	870.096	ng/ml	
6)	Aroclor 1016 (5)	7.189	43503615	857.727	ng/ml	
7)	Aroclor 1016 (6)	7.315	44435103	891.095	ng/ml	
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml	
9)	Aroclor 1221 (1)	5.921	3163917	287.587	ng/ml	
10)	Aroclor 1221 (2)	6.009	5056452	455.288	ng/ml	
11)	Aroclor 1221 (3)	6.098	24477427	669.708	ng/ml	
12)	Aroclor 1221 (4)	6.612	23102913	2920.329	ng/ml	
13)	Aroclor 1221 (5)	6.930	80921868	13455.021	ng/ml	
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml	
15)	Aroclor 1232 (1)	6.098	24477427	802.729	ng/ml	
16)	Aroclor 1232 (2)	6.435	45053050	2229.855	ng/ml	
17)	Aroclor 1232 (3)	6.930	80921868	2412.161	ng/ml	
18)	Aroclor 1232 (4)	7.143	40577703	2909.498	ng/ml	
19)	Aroclor 1232 (5)	7.189	43503615	2734.497	ng/ml	
20)	Aroclor 1232 (6)	7.315	44435103	2733.715	ng/ml	
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml	
22)	Aroclor 1242 (1)	6.435	45053050	1200.913	ng/ml	
23)	Aroclor 1242 (2)	6.930	80921868	1345.049	ng/ml	
24)	Aroclor 1242 (3)	7.057	34288582	1180.532	ng/ml	
25)	Aroclor 1242 (4)	7.143	40577703	1422.996	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_11.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 08:52
Operator : KAK
Sample : 1012827-MS1
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 13:48:31 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units	
26)	Aroclor 1242 (5)	7.189	43503615	1317.280	ng/ml	
27)	Aroclor 1242 (6)	7.315	44435103	1329.901	ng/ml	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml	
29)	Aroclor 1248 (1)	6.901	70566967	1850.324	ng/ml	
30)	Aroclor 1248 (2)	7.143	40577703	745.655	ng/ml	
31)	Aroclor 1248 (3)	7.189	43503615	876.870	ng/ml	
32)	Aroclor 1248 (4)	7.315	44435103	767.386	ng/ml	
33)	Aroclor 1248 (5)	7.683	10024407	137.808	ng/ml	
34)	Aroclor 1248 (6)	7.842	37811404	633.822	ng/ml	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml	
36)	Aroclor 1254 (1)	7.660	32065533	450.499	ng/ml	
37)	Aroclor 1254 (2)	7.842	37811404	347.259	ng/ml	
38)	Aroclor 1254 (3)	8.156	20777239	186.311	ng/ml	
39)	Aroclor 1254 (4)	8.396	14041682	171.738	ng/ml	
40)	Aroclor 1254 (5)	8.734	119484570	1384.507	ng/ml	
41)	Aroclor 1254 (6)	8.953	17546380	726.978	ng/ml	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml	
43)	Aroclor 1260 (1)	8.292	96639784	1005.272	ng/ml	
44)	Aroclor 1260 (2)	8.499	117827296	1025.915	ng/ml	
45)	Aroclor 1260 (3)	8.734	119484570	1056.910	ng/ml	
46)	Aroclor 1260 (4)	9.235	197671645	1203.319	ng/ml	✓
47)	Aroclor 1260 (5)	9.511	110774804	1140.242	ng/ml	
48)	Aroclor 1260 (6)	10.115	42133386	1087.933	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	8.499	117827296	1472.036	ng/ml	
51)	Aroclor 1262 (2)	8.803	92220630	809.694	ng/ml	
52)	Aroclor 1262 (3)	8.984	88892748	1006.301	ng/ml	
53)	Aroclor 1262 (4)	9.235	197671645	1159.162	ng/ml	
54)	Aroclor 1262 (5)	9.511	110774804	1052.104	ng/ml	
55)	Aroclor 1262 (6)	10.115	42133386	925.815	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_11.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 08:52
Operator : KAK
Sample : 1012827-MS1
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 13:48:31 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	9.027	6392879	132.159	ng/ml
58)	Aroclor 1268 (2)	9.511	110774804	586.247	ng/ml
59)	Aroclor 1268 (3)	9.579	44140175	292.134	ng/ml
60)	Aroclor 1268 (4)	9.810	7986947	59.890	ng/ml
61)	Aroclor 1268 (5)	10.115	42133386	849.395	ng/ml
62)	Aroclor 1268 (6)	10.491	22321357	65.115	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

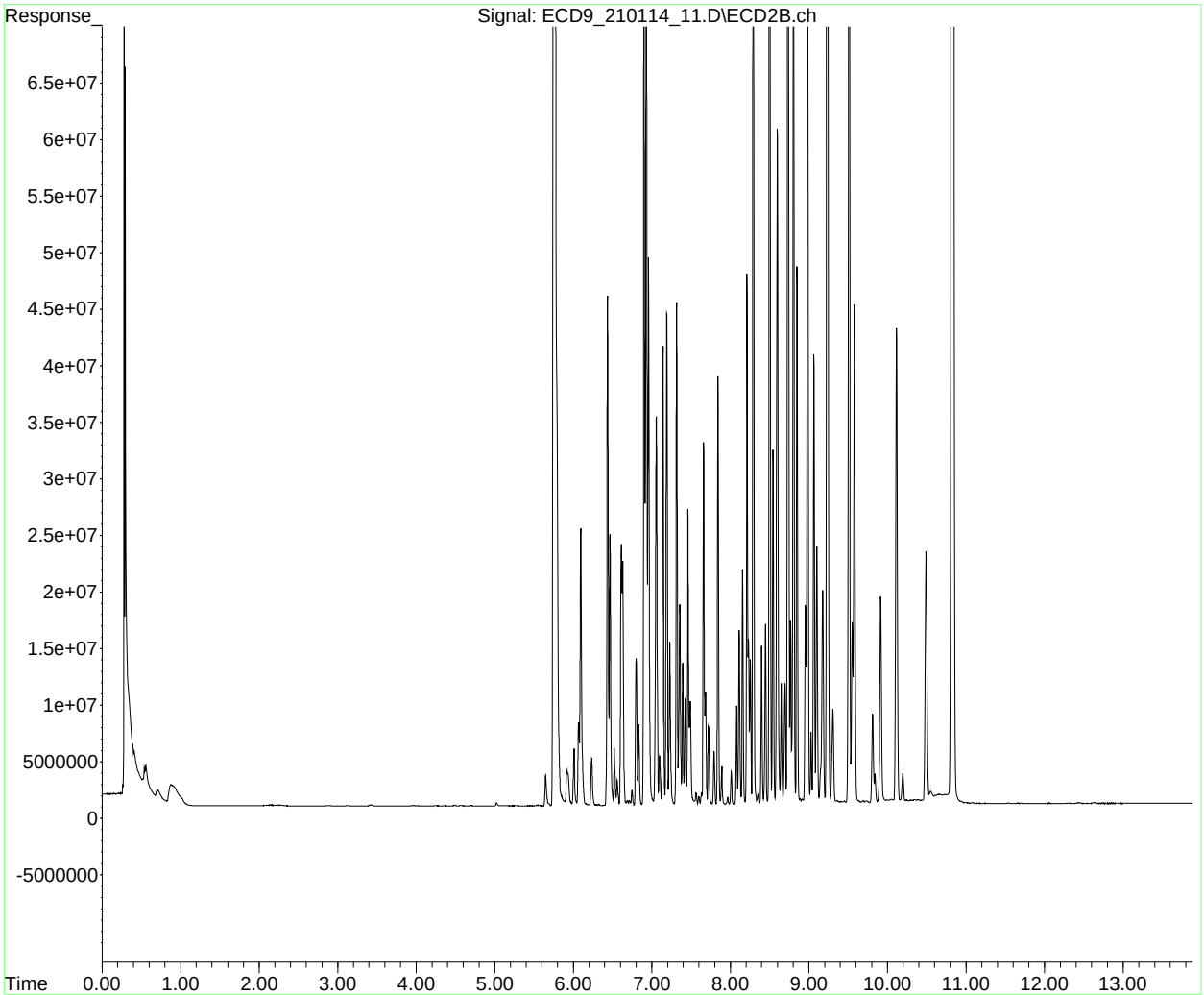
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_11.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 08:52
Operator : KAK
Sample : 1012827-MS1
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 13:48:31 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_15.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 09:28
Operator : KAK
Sample : 1012827-MSD1
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 13:49:40 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	5.758	337312044	210.949	ng/ml
64) S	DCBP (S)	10.829	189260271	266.557	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.436	46346501	817.222	ng/ml
3)	Aroclor 1016 (2)	6.929	83725197	922.284	ng/ml
4)	Aroclor 1016 (3)	7.058	35364747	820.877	ng/ml
5)	Aroclor 1016 (4)	7.143	41372763	887.144	ng/ml
6)	Aroclor 1016 (5)	7.189	44839002	884.056	ng/ml
7)	Aroclor 1016 (6)	7.316	45925518	920.984	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.936	2812770	255.669	ng/ml
10)	Aroclor 1221 (2)	6.010	5047481	454.480	ng/ml
11)	Aroclor 1221 (3)	6.098	24636464	674.059	ng/ml
12)	Aroclor 1221 (4)	6.612	24668629	3118.244	ng/ml
13)	Aroclor 1221 (5)	6.929	83725197	13921.135	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	6.098	24636464	807.945	ng/ml
16)	Aroclor 1232 (2)	6.436	46346501	2293.873	ng/ml
17)	Aroclor 1232 (3)	6.929	83725197	2495.724	ng/ml
18)	Aroclor 1232 (4)	7.143	41372763	2966.505	ng/ml
19)	Aroclor 1232 (5)	7.189	44839002	2818.435	ng/ml
20)	Aroclor 1232 (6)	7.316	45925518	2825.408	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.436	46346501	1235.390	ng/ml
23)	Aroclor 1242 (2)	6.929	83725197	1391.645	ng/ml
24)	Aroclor 1242 (3)	7.058	35364747	1217.584	ng/ml
25)	Aroclor 1242 (4)	7.143	41372763	1450.878	ng/ml

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_15.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 09:28
Operator : KAK
Sample : 1012827-MSD1
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 13:49:40 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
26)	Aroclor 1242 (5)	7.189	44839002	1357.716	ng/ml
27)	Aroclor 1242 (6)	7.316	45925518	1374.508	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.901	71938193	1886.279	ng/ml
30)	Aroclor 1248 (2)	7.143	41372763	760.265	ng/ml
31)	Aroclor 1248 (3)	7.189	44839002	903.786	ng/ml
32)	Aroclor 1248 (4)	7.316	45925518	793.125	ng/ml
33)	Aroclor 1248 (5)	7.682	9806108	134.807	ng/ml
34)	Aroclor 1248 (6)	7.842	37622917	630.662	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.660	31740864	445.937	ng/ml
37)	Aroclor 1254 (2)	7.842	37622917	345.528	ng/ml
38)	Aroclor 1254 (3)	8.156	21287487	190.886	ng/ml
39)	Aroclor 1254 (4)	8.397	14921068	182.493	ng/ml
40)	Aroclor 1254 (5)	8.734	123052879	1425.854	ng/ml
41)	Aroclor 1254 (6)	8.953	17312016	717.268	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.293	94109696	978.953	ng/ml
44)	Aroclor 1260 (2)	8.500	127012667	1105.892	ng/ml
45)	Aroclor 1260 (3)	8.734	123052879	1088.474	ng/ml
46)	Aroclor 1260 (4)	9.235	194065522	1181.367	ng/ml
47)	Aroclor 1260 (5)	9.512	108547303	1117.313	ng/ml
48)	Aroclor 1260 (6)	10.116	41958170	1083.408	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	8.500	127012667	1586.790	ng/ml
51)	Aroclor 1262 (2)	8.804	87396172	767.335	ng/ml
52)	Aroclor 1262 (3)	8.984	86143704	975.181	ng/ml
53)	Aroclor 1262 (4)	9.235	194065522	1138.016	ng/ml
54)	Aroclor 1262 (5)	9.512	108547303	1030.948	ng/ml
55)	Aroclor 1262 (6)	10.116	41958170	921.965	ng/ml

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_15.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 09:28
Operator : KAK
Sample : 1012827-MSD1
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 13:49:40 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	9.027	6263724	129.489	ng/ml
58)	Aroclor 1268 (2)	9.512	108547303	574.459	ng/ml
59)	Aroclor 1268 (3)	9.580	44246503	292.837	ng/ml
60)	Aroclor 1268 (4)	9.810	4948887	37.109	ng/ml
61)	Aroclor 1268 (5)	10.116	41958170	845.862	ng/ml
62)	Aroclor 1268 (6)	10.492	15529356	45.302	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

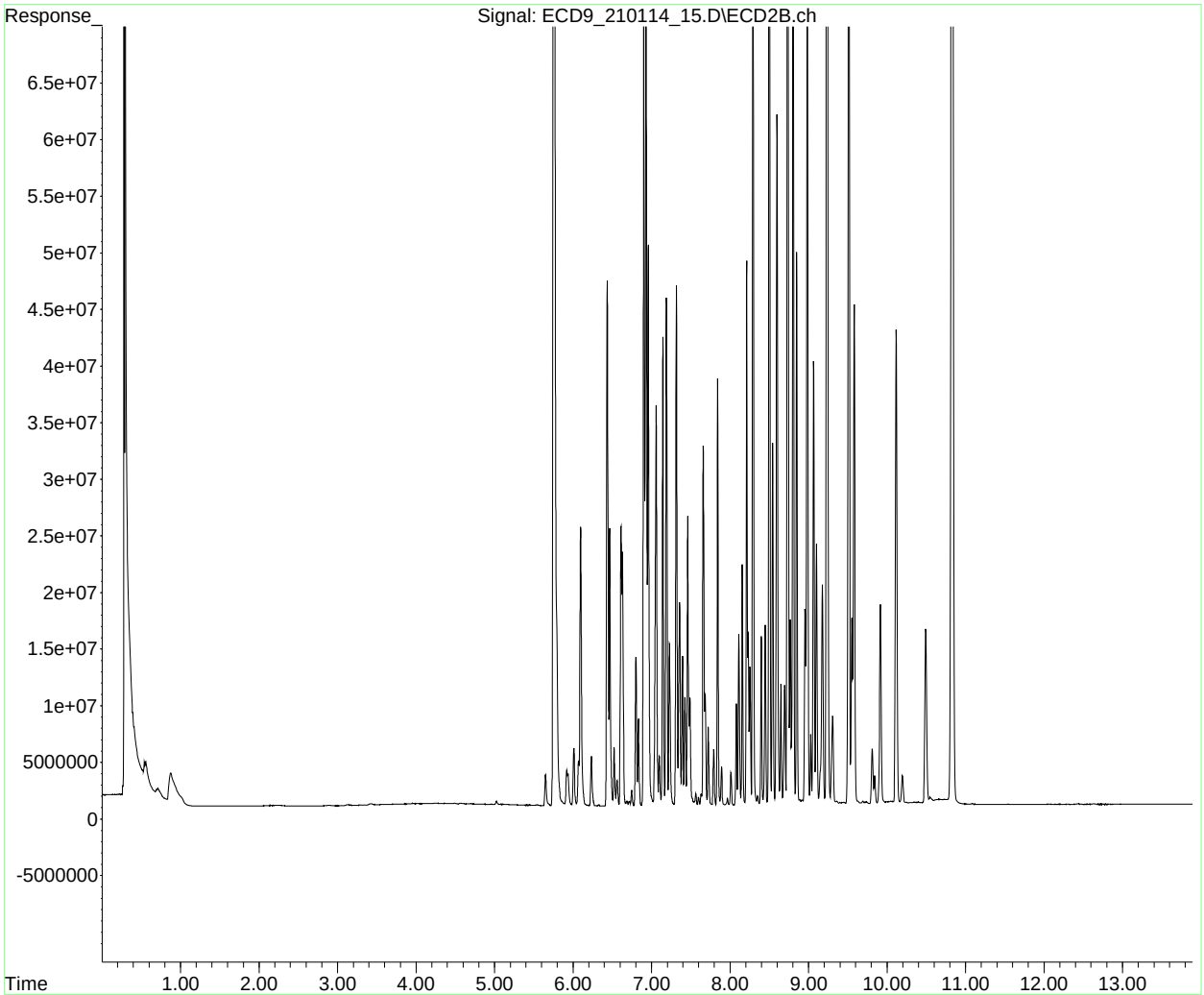
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_15.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 09:28
Operator : KAK
Sample : 1012827-MSD1
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 13:49:40 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_15.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 09:28
Operator : KAK
Sample : 1012827-MSD1
Misc :
ALS Vial : 56 Sample Multiplier: 1

KAK 1/14/21

Integration File: events.e
Quant Time: Jan 14 13:49:40 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units	
	System Monitoring Compounds					
1) S	TCMX (S)	5.758	337312044	210.949	ng/ml	
64) S	DCBP (S)	10.829	189260271	266.557	ng/ml	
	Target Compounds					
2)	Aroclor 1016 (1)	6.436	46346501	817.222	ng/ml	
3)	Aroclor 1016 (2)	6.929	83725197	922.284	ng/ml	
4)	Aroclor 1016 (3)	7.058	35364747	820.877	ng/ml	✓
5)	Aroclor 1016 (4)	7.143	41372763	887.144	ng/ml	
6)	Aroclor 1016 (5)	7.189	44839002	884.056	ng/ml	
7)	Aroclor 1016 (6)	7.316	45925518	920.984	ng/ml	
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml	
9)	Aroclor 1221 (1)	5.936	2812770	255.669	ng/ml	
10)	Aroclor 1221 (2)	6.010	5047481	454.480	ng/ml	
11)	Aroclor 1221 (3)	6.098	24636464	674.059	ng/ml	
12)	Aroclor 1221 (4)	6.612	24668629	3118.244	ng/ml	
13)	Aroclor 1221 (5)	6.929	83725197	13921.135	ng/ml	
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml	
15)	Aroclor 1232 (1)	6.098	24636464	807.945	ng/ml	
16)	Aroclor 1232 (2)	6.436	46346501	2293.873	ng/ml	
17)	Aroclor 1232 (3)	6.929	83725197	2495.724	ng/ml	
18)	Aroclor 1232 (4)	7.143	41372763	2966.505	ng/ml	
19)	Aroclor 1232 (5)	7.189	44839002	2818.435	ng/ml	
20)	Aroclor 1232 (6)	7.316	45925518	2825.408	ng/ml	
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml	
22)	Aroclor 1242 (1)	6.436	46346501	1235.390	ng/ml	
23)	Aroclor 1242 (2)	6.929	83725197	1391.645	ng/ml	
24)	Aroclor 1242 (3)	7.058	35364747	1217.584	ng/ml	
25)	Aroclor 1242 (4)	7.143	41372763	1450.878	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_15.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 09:28
Operator : KAK
Sample : 1012827-MSD1
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 13:49:40 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units	
26)	Aroclor 1242 (5)	7.189	44839002	1357.716	ng/ml	
27)	Aroclor 1242 (6)	7.316	45925518	1374.508	ng/ml	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml	
29)	Aroclor 1248 (1)	6.901	71938193	1886.279	ng/ml	
30)	Aroclor 1248 (2)	7.143	41372763	760.265	ng/ml	
31)	Aroclor 1248 (3)	7.189	44839002	903.786	ng/ml	
32)	Aroclor 1248 (4)	7.316	45925518	793.125	ng/ml	
33)	Aroclor 1248 (5)	7.682	9806108	134.807	ng/ml	
34)	Aroclor 1248 (6)	7.842	37622917	630.662	ng/ml	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml	
36)	Aroclor 1254 (1)	7.660	31740864	445.937	ng/ml	
37)	Aroclor 1254 (2)	7.842	37622917	345.528	ng/ml	
38)	Aroclor 1254 (3)	8.156	21287487	190.886	ng/ml	
39)	Aroclor 1254 (4)	8.397	14921068	182.493	ng/ml	
40)	Aroclor 1254 (5)	8.734	123052879	1425.854	ng/ml	
41)	Aroclor 1254 (6)	8.953	17312016	717.268	ng/ml	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml	
43)	Aroclor 1260 (1)	8.293	94109696	978.953	ng/ml	
44)	Aroclor 1260 (2)	8.500	127012667	1105.892	ng/ml	
45)	Aroclor 1260 (3)	8.734	123052879	1088.474	ng/ml	
46)	Aroclor 1260 (4)	9.235	194065522	1181.367	ng/ml	✓
47)	Aroclor 1260 (5)	9.512	108547303	1117.313	ng/ml	
48)	Aroclor 1260 (6)	10.116	41958170	1083.408	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	8.500	127012667	1586.790	ng/ml	
51)	Aroclor 1262 (2)	8.804	87396172	767.335	ng/ml	
52)	Aroclor 1262 (3)	8.984	86143704	975.181	ng/ml	
53)	Aroclor 1262 (4)	9.235	194065522	1138.016	ng/ml	
54)	Aroclor 1262 (5)	9.512	108547303	1030.948	ng/ml	
55)	Aroclor 1262 (6)	10.116	41958170	921.965	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_15.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 09:28
Operator : KAK
Sample : 1012827-MSD1
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 13:49:40 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	9.027	6263724	129.489	ng/ml
58)	Aroclor 1268 (2)	9.512	108547303	574.459	ng/ml
59)	Aroclor 1268 (3)	9.580	44246503	292.837	ng/ml
60)	Aroclor 1268 (4)	9.810	4948887	37.109	ng/ml
61)	Aroclor 1268 (5)	10.116	41958170	845.862	ng/ml
62)	Aroclor 1268 (6)	10.492	15529356	45.302	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

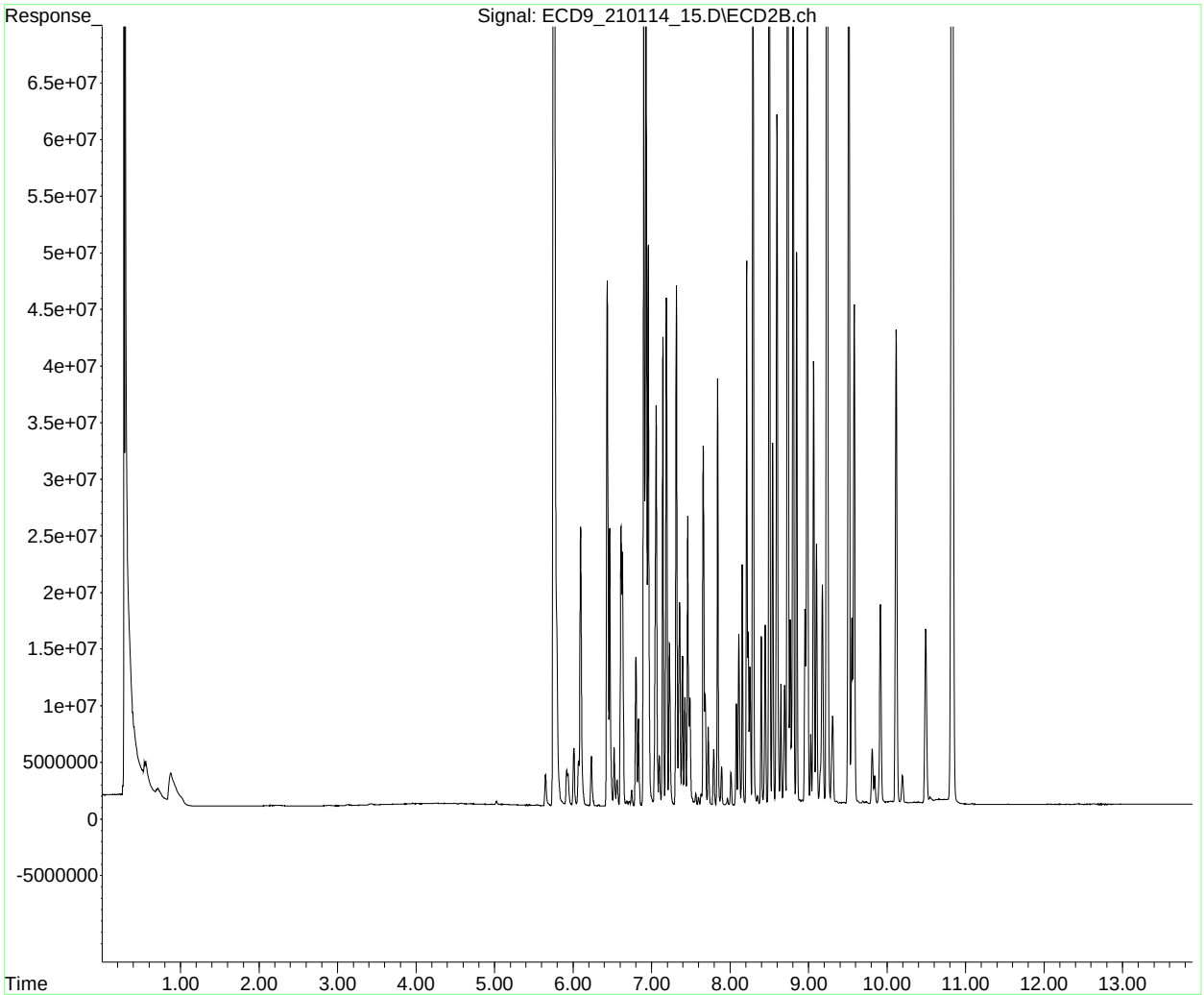
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_15.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 09:28
Operator : KAK
Sample : 1012827-MSD1
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 13:49:40 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_19.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 10:03
Operator : KAK
Sample : A0K0482-22
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 13:51:51 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	5.758	323176231	202.109	ng/ml
64) S	DCBP (S)	10.829	194422277	273.827	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.436	34321	0.605	ng/ml
3)	Aroclor 1016 (2)	6.931	77458	0.853	ng/ml
4)	Aroclor 1016 (3)	7.058	36986	0.859	ng/ml
5)	Aroclor 1016 (4)	7.145	38969	0.836	ng/ml
6)	Aroclor 1016 (5)	7.189	42956	0.847	ng/ml
7)	Aroclor 1016 (6)	7.318	46938	0.941	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.929	125302	11.389	ng/ml
10)	Aroclor 1221 (2)	6.010	63850	5.749	ng/ml
11)	Aroclor 1221 (3)	6.069	3841942	105.116	ng/ml
12)	Aroclor 1221 (4)	6.618	19957	2.523	ng/ml
13)	Aroclor 1221 (5)	6.931	77458	12.879	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	6.069	3841942	125.995	ng/ml
16)	Aroclor 1232 (2)	6.436	34321	1.699	ng/ml
17)	Aroclor 1232 (3)	6.931	77458	2.309	ng/ml
18)	Aroclor 1232 (4)	7.145	38969	2.794	ng/ml
19)	Aroclor 1232 (5)	7.189	42956	2.700	ng/ml
20)	Aroclor 1232 (6)	7.318	46938	2.888	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.436	34321	0.915	ng/ml
23)	Aroclor 1242 (2)	6.931	77458	1.287	ng/ml
24)	Aroclor 1242 (3)	7.058	36986	1.273	ng/ml
25)	Aroclor 1242 (4)	7.145	38969	1.367	ng/ml

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_19.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 10:03
Operator : KAK
Sample : A0K0482-22
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 13:51:51 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
26)	Aroclor 1242 (5)	7.189	42956	1.301 ng/ml
27)	Aroclor 1242 (6)	7.318	46938	1.405 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.903	59282	1.554 ng/ml
30)	Aroclor 1248 (2)	7.145	38969	0.716 ng/ml
31)	Aroclor 1248 (3)	7.189	42956	0.866 ng/ml
32)	Aroclor 1248 (4)	7.318	46938	0.811 ng/ml
33)	Aroclor 1248 (5)	7.684	117950	1.621 ng/ml
34)	Aroclor 1248 (6)	7.842	117339	1.967 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.668	83398	1.172 ng/ml
37)	Aroclor 1254 (2)	7.842	117339	1.078 ng/ml
38)	Aroclor 1254 (3)	8.157	87097	0.781 ng/ml
39)	Aroclor 1254 (4)	8.397	98762	1.208 ng/ml
40)	Aroclor 1254 (5)	8.743	90446	1.048 ng/ml
41)	Aroclor 1254 (6)	8.956	81940	3.395 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	8.291	63745	0.663 ng/ml
44)	Aroclor 1260 (2)	8.497	112577	0.980 ng/ml
45)	Aroclor 1260 (3)	8.743	90446	0.800 ng/ml
46)	Aroclor 1260 (4)	9.235	114946	0.700 ng/ml
47)	Aroclor 1260 (5)	9.511	152466	1.569 ng/ml
48)	Aroclor 1260 (6)	10.113	240202	6.202 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	8.497	112577	1.406 ng/ml
51)	Aroclor 1262 (2)	8.803	86783	0.762 ng/ml
52)	Aroclor 1262 (3)	8.984	104951	1.188 ng/ml
53)	Aroclor 1262 (4)	9.235	114946	0.674 ng/ml
54)	Aroclor 1262 (5)	9.511	152466	1.448 ng/ml
55)	Aroclor 1262 (6)	10.113	240202	5.278 ng/ml

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_19.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 10:03
Operator : KAK
Sample : A0K0482-22
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 13:51:51 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	9.027	100903	2.086	ng/ml
58)	Aroclor 1268 (2)	9.511	152466	0.807	ng/ml
59)	Aroclor 1268 (3)	9.581	139713	0.925	ng/ml
60)	Aroclor 1268 (4)	9.811	3567143	26.748	ng/ml
61)	Aroclor 1268 (5)	10.113	240202	4.842	ng/ml
62)	Aroclor 1268 (6)	10.491	7658640	22.342	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

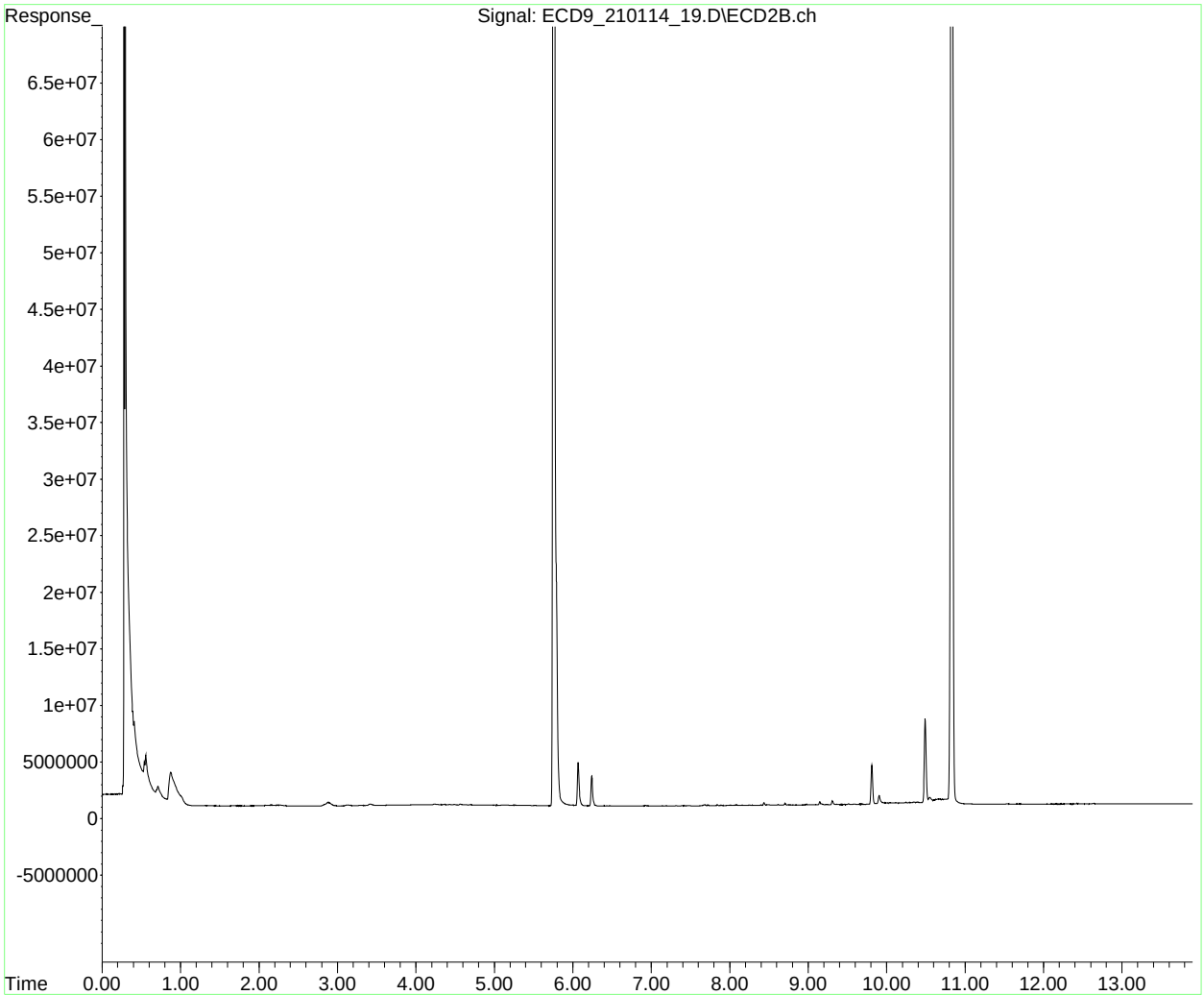
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_19.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 10:03
Operator : KAK
Sample : A0K0482-22
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 13:51:51 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_19.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 10:03
Operator : KAK
Sample : A0K0482-22
Misc :
ALS Vial : 57 Sample Multiplier: 1

KAK 1/14/21

Integration File: events.e
Quant Time: Jan 14 13:51:51 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	5.758	323176231	202.109	ng/ml
64) S	DCBP (S)	10.829	194422277	273.827	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.436	34321	0.605	ng/ml
3)	Aroclor 1016 (2)	6.931	77458	0.853	ng/ml
4)	Aroclor 1016 (3)	7.058	36986	0.859	ng/ml
5)	Aroclor 1016 (4)	7.145	38969	0.836	ng/ml
6)	Aroclor 1016 (5)	7.189	42956	0.847	ng/ml
7)	Aroclor 1016 (6)	7.318	46938	0.941	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.929	125302	11.389	ng/ml
10)	Aroclor 1221 (2)	6.010	63850	5.749	ng/ml
11)	Aroclor 1221 (3)	6.069	3841942	105.116	ng/ml
12)	Aroclor 1221 (4)	6.618	19957	2.523	ng/ml
13)	Aroclor 1221 (5)	6.931	77458	12.879	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	6.069	3841942	125.995	ng/ml
16)	Aroclor 1232 (2)	6.436	34321	1.699	ng/ml
17)	Aroclor 1232 (3)	6.931	77458	2.309	ng/ml
18)	Aroclor 1232 (4)	7.145	38969	2.794	ng/ml
19)	Aroclor 1232 (5)	7.189	42956	2.700	ng/ml
20)	Aroclor 1232 (6)	7.318	46938	2.888	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.436	34321	0.915	ng/ml
23)	Aroclor 1242 (2)	6.931	77458	1.287	ng/ml
24)	Aroclor 1242 (3)	7.058	36986	1.273	ng/ml
25)	Aroclor 1242 (4)	7.145	38969	1.367	ng/ml

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_19.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 10:03
Operator : KAK
Sample : A0K0482-22
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 13:51:51 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
26)	Aroclor 1242 (5)	7.189	42956	1.301 ng/ml
27)	Aroclor 1242 (6)	7.318	46938	1.405 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.903	59282	1.554 ng/ml
30)	Aroclor 1248 (2)	7.145	38969	0.716 ng/ml
31)	Aroclor 1248 (3)	7.189	42956	0.866 ng/ml
32)	Aroclor 1248 (4)	7.318	46938	0.811 ng/ml
33)	Aroclor 1248 (5)	7.684	117950	1.621 ng/ml
34)	Aroclor 1248 (6)	7.842	117339	1.967 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.668	83398	1.172 ng/ml
37)	Aroclor 1254 (2)	7.842	117339	1.078 ng/ml
38)	Aroclor 1254 (3)	8.157	87097	0.781 ng/ml
39)	Aroclor 1254 (4)	8.397	98762	1.208 ng/ml
40)	Aroclor 1254 (5)	8.743	90446	1.048 ng/ml
41)	Aroclor 1254 (6)	8.956	81940	3.395 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	8.291	63745	0.663 ng/ml
44)	Aroclor 1260 (2)	8.497	112577	0.980 ng/ml
45)	Aroclor 1260 (3)	8.743	90446	0.800 ng/ml
46)	Aroclor 1260 (4)	9.235	114946	0.700 ng/ml
47)	Aroclor 1260 (5)	9.511	152466	1.569 ng/ml
48)	Aroclor 1260 (6)	10.113	240202	6.202 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	8.497	112577	1.406 ng/ml
51)	Aroclor 1262 (2)	8.803	86783	0.762 ng/ml
52)	Aroclor 1262 (3)	8.984	104951	1.188 ng/ml
53)	Aroclor 1262 (4)	9.235	114946	0.674 ng/ml
54)	Aroclor 1262 (5)	9.511	152466	1.448 ng/ml
55)	Aroclor 1262 (6)	10.113	240202	5.278 ng/ml

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_19.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 10:03
Operator : KAK
Sample : A0K0482-22
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 13:51:51 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	9.027	100903	2.086	ng/ml
58)	Aroclor 1268 (2)	9.511	152466	0.807	ng/ml
59)	Aroclor 1268 (3)	9.581	139713	0.925	ng/ml
60)	Aroclor 1268 (4)	9.811	3567143	26.748	ng/ml
61)	Aroclor 1268 (5)	10.113	240202	4.842	ng/ml
62)	Aroclor 1268 (6)	10.491	7658640	22.342	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

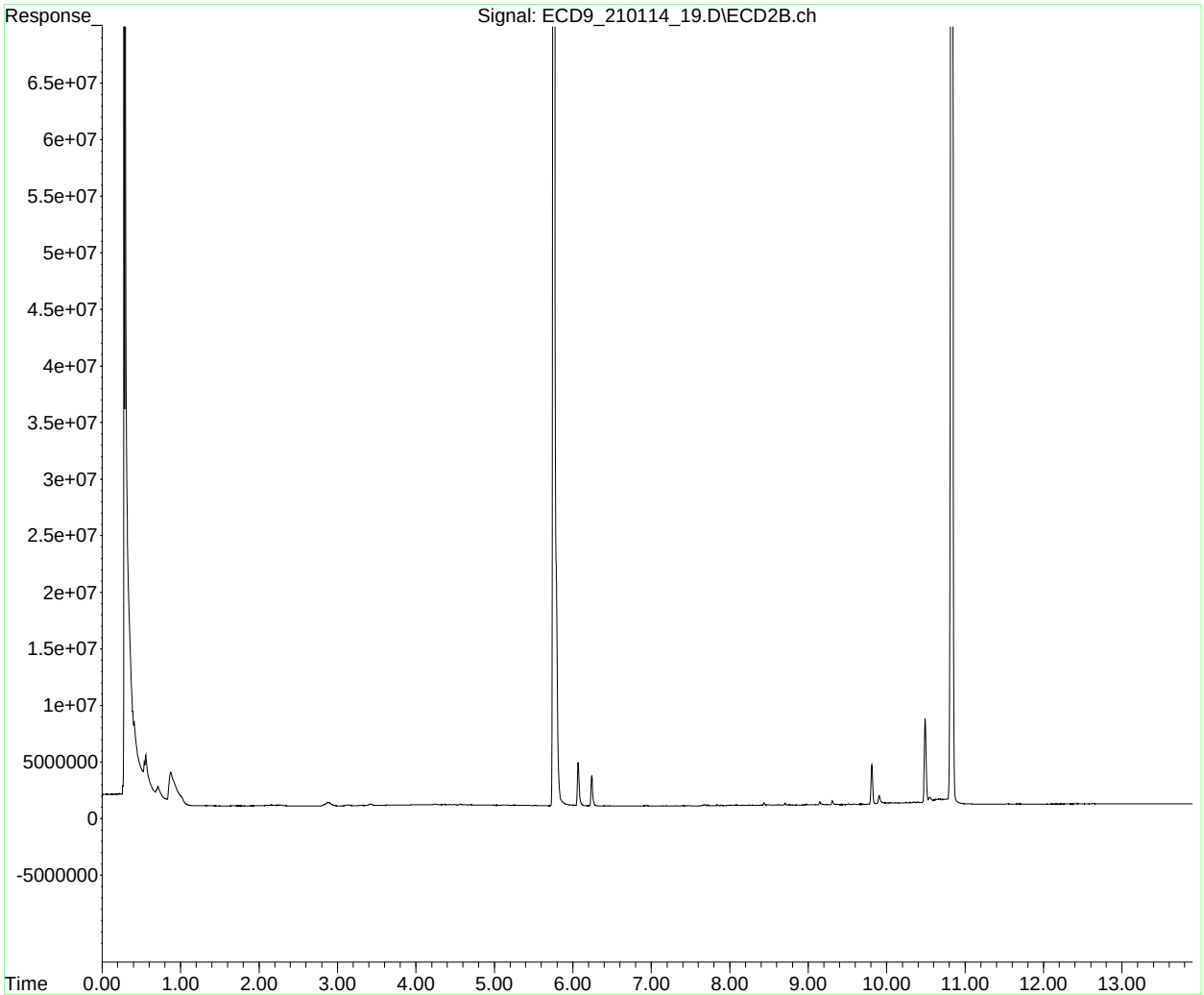
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_19.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 10:03
Operator : KAK
Sample : A0K0482-22
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 13:51:51 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_23.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 10:39
Operator : KAK
Sample : A0K0482-03
Misc :
ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 13:57:56 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	5.758	290621280	181.749	ng/ml
64) S	DCBP (S)	10.829	186801205	263.093	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.435	27254	0.481	ng/ml
3)	Aroclor 1016 (2)	6.930	75328	0.830	ng/ml
4)	Aroclor 1016 (3)	7.059	31809	0.738	ng/ml
5)	Aroclor 1016 (4)	7.144	44422	0.953	ng/ml
6)	Aroclor 1016 (5)	7.190	46672	0.920	ng/ml
7)	Aroclor 1016 (6)	7.316	46029	0.923	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.946	87748	7.976	ng/ml
10)	Aroclor 1221 (2)	5.984	68174	6.138	ng/ml
11)	Aroclor 1221 (3)	6.068	3411526	93.340	ng/ml
12)	Aroclor 1221 (4)	6.616	18930	2.393	ng/ml
13)	Aroclor 1221 (5)	6.930	75328	12.525	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	6.068	3411526	111.880	ng/ml
16)	Aroclor 1232 (2)	6.435	27254	1.349	ng/ml
17)	Aroclor 1232 (3)	6.930	75328	2.245	ng/ml
18)	Aroclor 1232 (4)	7.144	44422	3.185	ng/ml
19)	Aroclor 1232 (5)	7.190	46672	2.934	ng/ml
20)	Aroclor 1232 (6)	7.316	46029	2.832	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.435	27254	0.726	ng/ml
23)	Aroclor 1242 (2)	6.930	75328	1.252	ng/ml
24)	Aroclor 1242 (3)	7.059	31809	1.095	ng/ml
25)	Aroclor 1242 (4)	7.144	44422	1.558	ng/ml

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_23.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 10:39
Operator : KAK
Sample : A0K0482-03
Misc :
ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 13:57:56 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
26)	Aroclor 1242 (5)	7.190	46672	1.413 ng/ml
27)	Aroclor 1242 (6)	7.316	46029	1.378 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.902	53938	1.414 ng/ml
30)	Aroclor 1248 (2)	7.144	44422	0.816 ng/ml
31)	Aroclor 1248 (3)	7.190	46672	0.941 ng/ml
32)	Aroclor 1248 (4)	7.316	46029	0.795 ng/ml
33)	Aroclor 1248 (5)	7.684	115235	1.584 ng/ml
34)	Aroclor 1248 (6)	7.841	152648	2.559 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.664	90619	1.273 ng/ml
37)	Aroclor 1254 (2)	7.841	152648	1.402 ng/ml
38)	Aroclor 1254 (3)	8.154	102772	0.922 ng/ml
39)	Aroclor 1254 (4)	8.397	115744	1.416 ng/ml
40)	Aroclor 1254 (5)	8.733	140738	1.631 ng/ml
41)	Aroclor 1254 (6)	8.932	87380	3.620 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	8.292	103105	1.073 ng/ml
44)	Aroclor 1260 (2)	8.499	156965	1.367 ng/ml
45)	Aroclor 1260 (3)	8.733	140738	1.245 ng/ml
46)	Aroclor 1260 (4)	9.234	151503	0.922 ng/ml
47)	Aroclor 1260 (5)	9.511	172140	1.772 ng/ml
48)	Aroclor 1260 (6)	10.115	246494	6.365 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	8.499	156965	1.961 ng/ml
51)	Aroclor 1262 (2)	8.803	111745	0.981 ng/ml
52)	Aroclor 1262 (3)	8.984	138757	1.571 ng/ml
53)	Aroclor 1262 (4)	9.234	151503	0.888 ng/ml
54)	Aroclor 1262 (5)	9.511	172140	1.635 ng/ml
55)	Aroclor 1262 (6)	10.115	246494	5.416 ng/ml

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_23.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 10:39
Operator : KAK
Sample : A0K0482-03
Misc :
ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 13:57:56 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	9.029	107175	2.216	ng/ml
58)	Aroclor 1268 (2)	9.511	172140	0.911	ng/ml
59)	Aroclor 1268 (3)	9.584	151022	1.000	ng/ml
60)	Aroclor 1268 (4)	9.810	3356280	25.167	ng/ml
61)	Aroclor 1268 (5)	10.115	246494	4.969	ng/ml
62)	Aroclor 1268 (6)	10.491	6948246	20.269	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

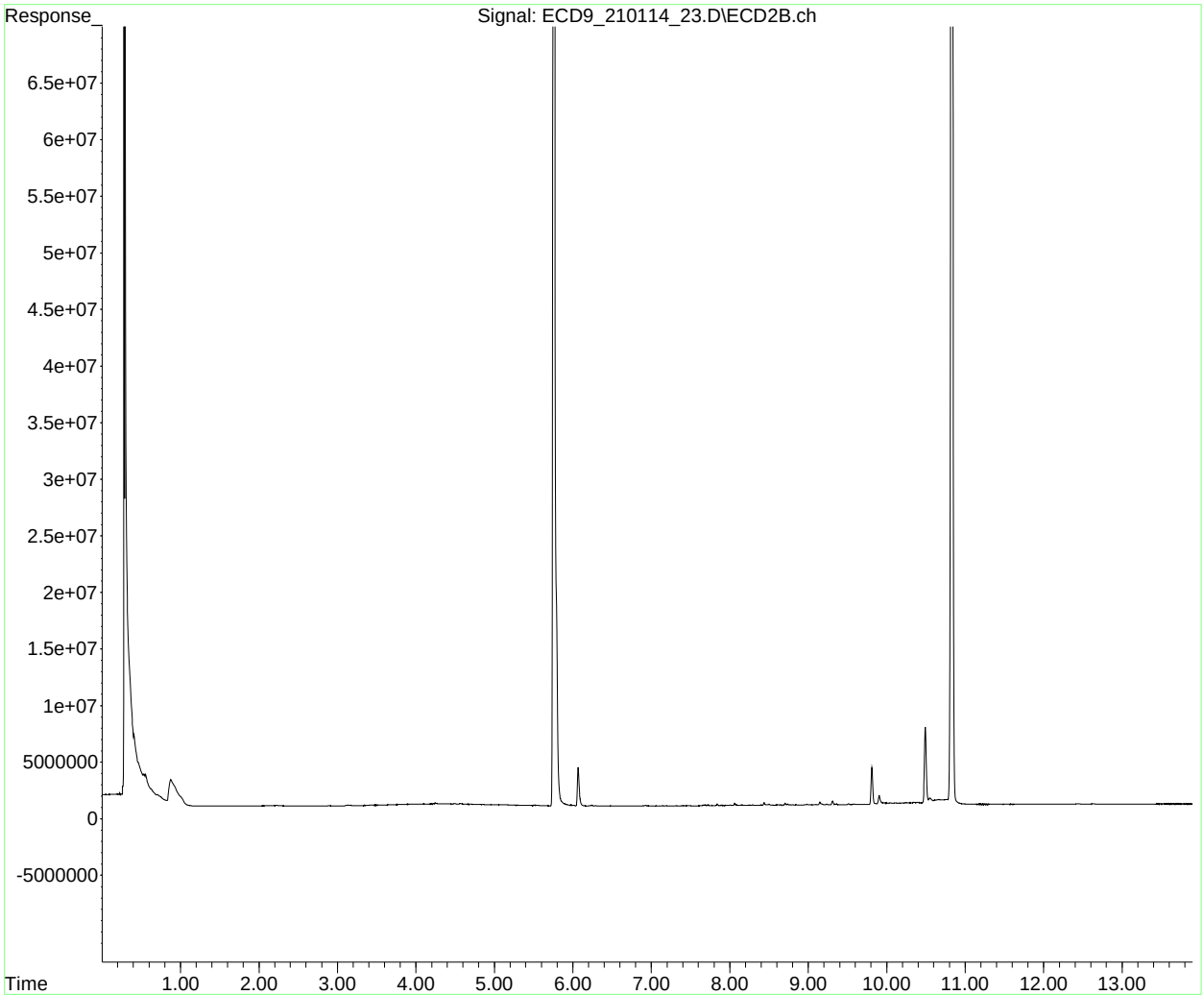
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_23.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 10:39
Operator : KAK
Sample : A0K0482-03
Misc :
ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 13:57:56 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_23.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 10:39
Operator : KAK
Sample : A0K0482-03
Misc :
ALS Vial : 58 Sample Multiplier: 1

KAK 1/14/21

Integration File: events.e
Quant Time: Jan 14 13:57:56 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	5.758	290621280	181.749	ng/ml
64) S	DCBP (S)	10.829	186801205	263.093	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.435	27254	0.481	ng/ml
3)	Aroclor 1016 (2)	6.930	75328	0.830	ng/ml
4)	Aroclor 1016 (3)	7.059	31809	0.738	ng/ml
5)	Aroclor 1016 (4)	7.144	44422	0.953	ng/ml
6)	Aroclor 1016 (5)	7.190	46672	0.920	ng/ml
7)	Aroclor 1016 (6)	7.316	46029	0.923	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.946	87748	7.976	ng/ml
10)	Aroclor 1221 (2)	5.984	68174	6.138	ng/ml
11)	Aroclor 1221 (3)	6.068	3411526	93.340	ng/ml
12)	Aroclor 1221 (4)	6.616	18930	2.393	ng/ml
13)	Aroclor 1221 (5)	6.930	75328	12.525	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	6.068	3411526	111.880	ng/ml
16)	Aroclor 1232 (2)	6.435	27254	1.349	ng/ml
17)	Aroclor 1232 (3)	6.930	75328	2.245	ng/ml
18)	Aroclor 1232 (4)	7.144	44422	3.185	ng/ml
19)	Aroclor 1232 (5)	7.190	46672	2.934	ng/ml
20)	Aroclor 1232 (6)	7.316	46029	2.832	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.435	27254	0.726	ng/ml
23)	Aroclor 1242 (2)	6.930	75328	1.252	ng/ml
24)	Aroclor 1242 (3)	7.059	31809	1.095	ng/ml
25)	Aroclor 1242 (4)	7.144	44422	1.558	ng/ml

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_23.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 10:39
Operator : KAK
Sample : A0K0482-03
Misc :
ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 13:57:56 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
26)	Aroclor 1242 (5)	7.190	46672	1.413 ng/ml
27)	Aroclor 1242 (6)	7.316	46029	1.378 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.902	53938	1.414 ng/ml
30)	Aroclor 1248 (2)	7.144	44422	0.816 ng/ml
31)	Aroclor 1248 (3)	7.190	46672	0.941 ng/ml
32)	Aroclor 1248 (4)	7.316	46029	0.795 ng/ml
33)	Aroclor 1248 (5)	7.684	115235	1.584 ng/ml
34)	Aroclor 1248 (6)	7.841	152648	2.559 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.664	90619	1.273 ng/ml
37)	Aroclor 1254 (2)	7.841	152648	1.402 ng/ml
38)	Aroclor 1254 (3)	8.154	102772	0.922 ng/ml
39)	Aroclor 1254 (4)	8.397	115744	1.416 ng/ml
40)	Aroclor 1254 (5)	8.733	140738	1.631 ng/ml
41)	Aroclor 1254 (6)	8.932	87380	3.620 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	8.292	103105	1.073 ng/ml
44)	Aroclor 1260 (2)	8.499	156965	1.367 ng/ml
45)	Aroclor 1260 (3)	8.733	140738	1.245 ng/ml
46)	Aroclor 1260 (4)	9.234	151503	0.922 ng/ml
47)	Aroclor 1260 (5)	9.511	172140	1.772 ng/ml
48)	Aroclor 1260 (6)	10.115	246494	6.365 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	8.499	156965	1.961 ng/ml
51)	Aroclor 1262 (2)	8.803	111745	0.981 ng/ml
52)	Aroclor 1262 (3)	8.984	138757	1.571 ng/ml
53)	Aroclor 1262 (4)	9.234	151503	0.888 ng/ml
54)	Aroclor 1262 (5)	9.511	172140	1.635 ng/ml
55)	Aroclor 1262 (6)	10.115	246494	5.416 ng/ml

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_23.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 10:39
Operator : KAK
Sample : A0K0482-03
Misc :
ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 13:57:56 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	9.029	107175	2.216	ng/ml
58)	Aroclor 1268 (2)	9.511	172140	0.911	ng/ml
59)	Aroclor 1268 (3)	9.584	151022	1.000	ng/ml
60)	Aroclor 1268 (4)	9.810	3356280	25.167	ng/ml
61)	Aroclor 1268 (5)	10.115	246494	4.969	ng/ml
62)	Aroclor 1268 (6)	10.491	6948246	20.269	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

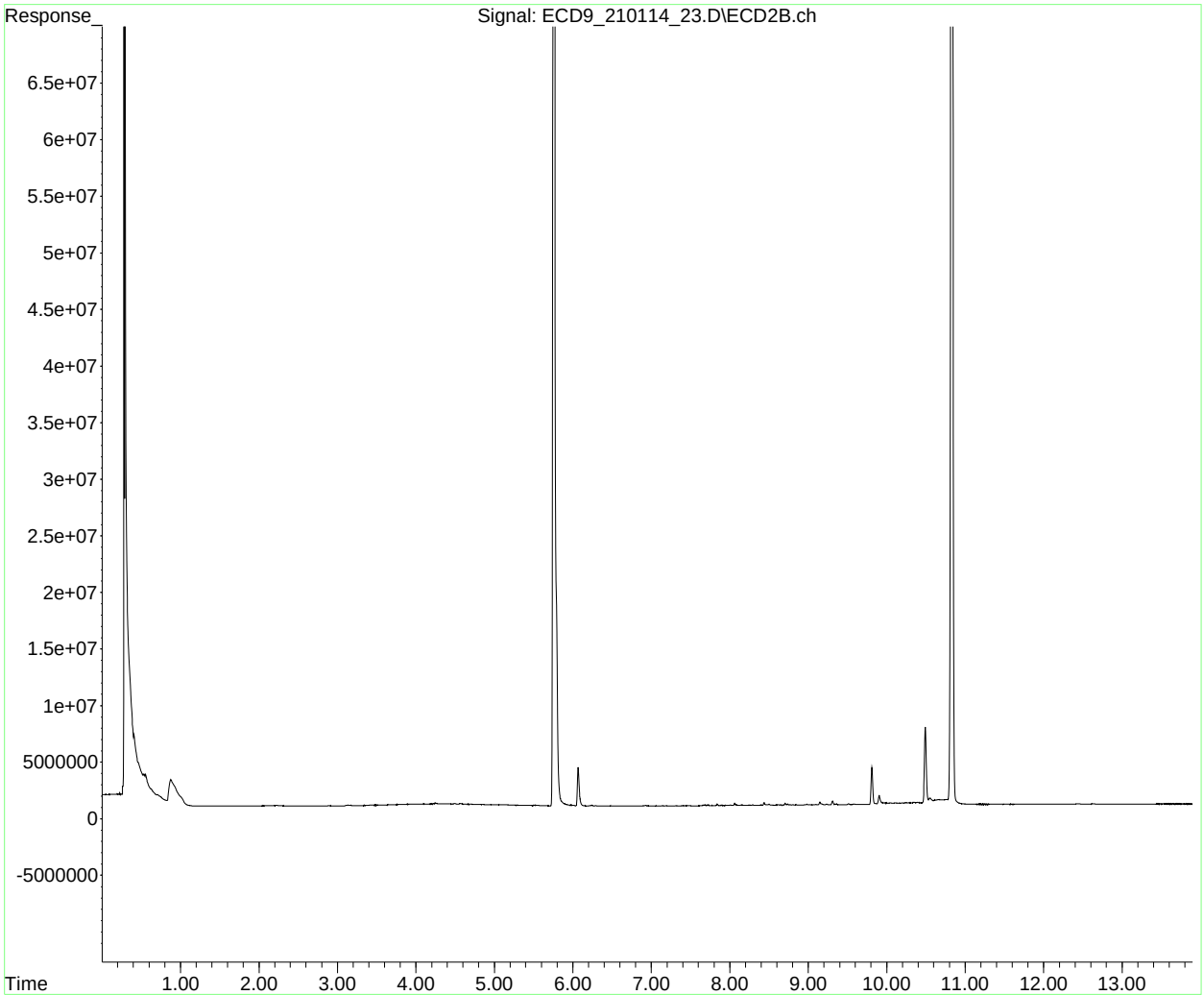
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_23.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 10:39
Operator : KAK
Sample : A0K0482-03
Misc :
ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 13:57:56 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_27.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 11:15
Operator : KAK
Sample : 1012827-MS2
Misc :
ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 13:59:16 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	5.756	285215239	178.368	ng/ml
64) S	DCBP (S)	10.828	178196779	250.975	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.436	38854436	685.116	ng/ml
3)	Aroclor 1016 (2)	6.929	71717037	790.006	ng/ml
4)	Aroclor 1016 (3)	7.057	30414978	705.984	ng/ml
5)	Aroclor 1016 (4)	7.143	35847080	768.658	ng/ml
6)	Aroclor 1016 (5)	7.189	39646698	781.683	ng/ml
7)	Aroclor 1016 (6)	7.314	38680085	775.685	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.934	2500101	227.249	ng/ml
10)	Aroclor 1221 (2)	6.010	4390616	395.335	ng/ml
11)	Aroclor 1221 (3)	6.097	20532850	561.784	ng/ml
12)	Aroclor 1221 (4)	6.611	20513931	2593.068	ng/ml
13)	Aroclor 1221 (5)	6.929	71717037	11924.517	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	6.097	20532850	673.368	ng/ml
16)	Aroclor 1232 (2)	6.436	38854436	1923.061	ng/ml
17)	Aroclor 1232 (3)	6.929	71717037	2137.778	ng/ml
18)	Aroclor 1232 (4)	7.143	35847080	2570.303	ng/ml
19)	Aroclor 1232 (5)	7.189	39646698	2492.064	ng/ml
20)	Aroclor 1232 (6)	7.314	38680085	2379.658	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.436	38854436	1035.685	ng/ml
23)	Aroclor 1242 (2)	6.929	71717037	1192.051	ng/ml
24)	Aroclor 1242 (3)	7.057	30414978	1047.167	ng/ml
25)	Aroclor 1242 (4)	7.143	35847080	1257.101	ng/ml

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_27.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 11:15
Operator : KAK
Sample : 1012827-MS2
Misc :
ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 13:59:16 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
26)	Aroclor 1242 (5)	7.189	39646698	1200.494	ng/ml
27)	Aroclor 1242 (6)	7.314	38680085	1157.659	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.901	62526010	1639.484	ng/ml
30)	Aroclor 1248 (2)	7.143	35847080	658.725	ng/ml
31)	Aroclor 1248 (3)	7.189	39646698	799.129	ng/ml
32)	Aroclor 1248 (4)	7.314	38680085	667.998	ng/ml
33)	Aroclor 1248 (5)	7.682	8712718	119.776	ng/ml
34)	Aroclor 1248 (6)	7.842	34007490	570.058	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.659	27892921	391.876	ng/ml
37)	Aroclor 1254 (2)	7.842	34007490	312.324	ng/ml
38)	Aroclor 1254 (3)	8.155	18664602	167.367	ng/ml
39)	Aroclor 1254 (4)	8.396	12975172	158.694	ng/ml
40)	Aroclor 1254 (5)	8.733	112669238	1305.535	ng/ml
41)	Aroclor 1254 (6)	8.952	15321150	634.783	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.292	83569375	869.310	ng/ml
44)	Aroclor 1260 (2)	8.499	109913791	957.013	ng/ml
45)	Aroclor 1260 (3)	8.733	112669238	996.625	ng/ml
46)	Aroclor 1260 (4)	9.234	176103178	1072.022	ng/ml
47)	Aroclor 1260 (5)	9.510	101486160	1044.630	ng/ml
48)	Aroclor 1260 (6)	10.115	39363226	1016.404	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	8.499	109913791	1373.171	ng/ml
51)	Aroclor 1262 (2)	8.803	81475398	715.351	ng/ml
52)	Aroclor 1262 (3)	8.983	77163808	873.525	ng/ml
53)	Aroclor 1262 (4)	9.234	176103178	1032.683	ng/ml
54)	Aroclor 1262 (5)	9.510	101486160	963.884	ng/ml
55)	Aroclor 1262 (6)	10.115	39363226	864.945	ng/ml

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_27.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 11:15
Operator : KAK
Sample : 1012827-MS2
Misc :
ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 13:59:16 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	9.027	5586100	115.481	ng/ml
58)	Aroclor 1268 (2)	9.510	101486160	537.089	ng/ml
59)	Aroclor 1268 (3)	9.579	39457634	261.143	ng/ml
60)	Aroclor 1268 (4)	9.810	4676805	35.069	ng/ml
61)	Aroclor 1268 (5)	10.115	39363226	793.549	ng/ml
62)	Aroclor 1268 (6)	10.492	14179679	41.365	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

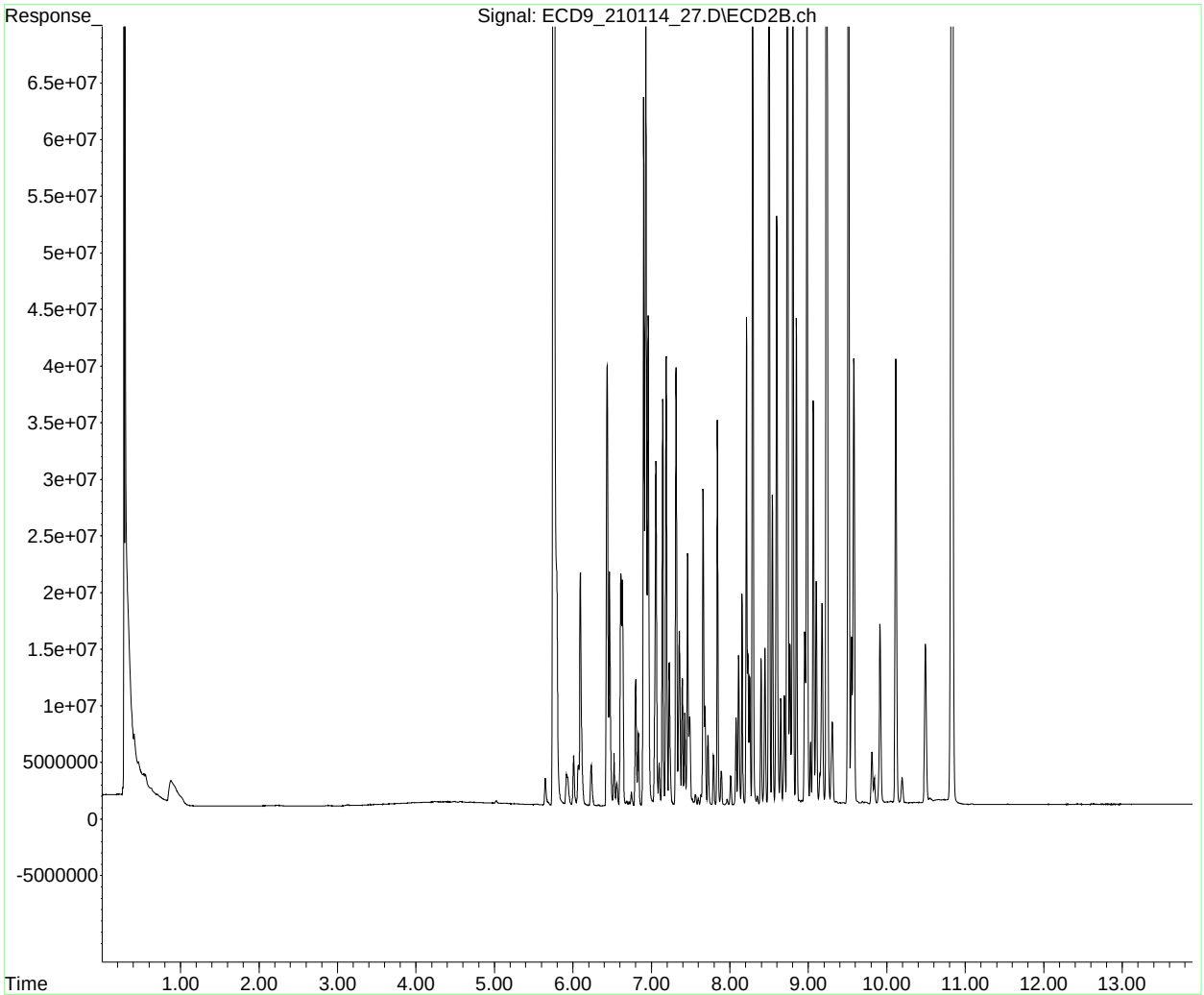
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_27.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 11:15
Operator : KAK
Sample : 1012827-MS2
Misc :
ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 13:59:16 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_27.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 11:15
Operator : KAK
Sample : 1012827-MS2
Misc :
ALS Vial : 59 Sample Multiplier: 1

KAK 1/14/21

Integration File: events.e
Quant Time: Jan 14 13:59:16 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units	
	System Monitoring Compounds					
1) S	TCMX (S)	5.756	285215239	178.368	ng/ml	
64) S	DCBP (S)	10.828	178196779	250.975	ng/ml	
	Target Compounds					
2)	Aroclor 1016 (1)	6.436	38854436	685.116	ng/ml	
3)	Aroclor 1016 (2)	6.929	71717037	790.006	ng/ml	
4)	Aroclor 1016 (3)	7.057	30414978	705.984	ng/ml	
5)	Aroclor 1016 (4)	7.143	35847080	768.658	ng/ml	✓
6)	Aroclor 1016 (5)	7.189	39646698	781.683	ng/ml	
7)	Aroclor 1016 (6)	7.314	38680085	775.685	ng/ml	
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml	
9)	Aroclor 1221 (1)	5.934	2500101	227.249	ng/ml	
10)	Aroclor 1221 (2)	6.010	4390616	395.335	ng/ml	
11)	Aroclor 1221 (3)	6.097	20532850	561.784	ng/ml	
12)	Aroclor 1221 (4)	6.611	20513931	2593.068	ng/ml	
13)	Aroclor 1221 (5)	6.929	71717037	11924.517	ng/ml	
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml	
15)	Aroclor 1232 (1)	6.097	20532850	673.368	ng/ml	
16)	Aroclor 1232 (2)	6.436	38854436	1923.061	ng/ml	
17)	Aroclor 1232 (3)	6.929	71717037	2137.778	ng/ml	
18)	Aroclor 1232 (4)	7.143	35847080	2570.303	ng/ml	
19)	Aroclor 1232 (5)	7.189	39646698	2492.064	ng/ml	
20)	Aroclor 1232 (6)	7.314	38680085	2379.658	ng/ml	
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml	
22)	Aroclor 1242 (1)	6.436	38854436	1035.685	ng/ml	
23)	Aroclor 1242 (2)	6.929	71717037	1192.051	ng/ml	
24)	Aroclor 1242 (3)	7.057	30414978	1047.167	ng/ml	
25)	Aroclor 1242 (4)	7.143	35847080	1257.101	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_27.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 11:15
Operator : KAK
Sample : 1012827-MS2
Misc :
ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 13:59:16 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units	
26)	Aroclor 1242 (5)	7.189	39646698	1200.494	ng/ml	
27)	Aroclor 1242 (6)	7.314	38680085	1157.659	ng/ml	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml	
29)	Aroclor 1248 (1)	6.901	62526010	1639.484	ng/ml	
30)	Aroclor 1248 (2)	7.143	35847080	658.725	ng/ml	
31)	Aroclor 1248 (3)	7.189	39646698	799.129	ng/ml	
32)	Aroclor 1248 (4)	7.314	38680085	667.998	ng/ml	
33)	Aroclor 1248 (5)	7.682	8712718	119.776	ng/ml	
34)	Aroclor 1248 (6)	7.842	34007490	570.058	ng/ml	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml	
36)	Aroclor 1254 (1)	7.659	27892921	391.876	ng/ml	
37)	Aroclor 1254 (2)	7.842	34007490	312.324	ng/ml	
38)	Aroclor 1254 (3)	8.155	18664602	167.367	ng/ml	
39)	Aroclor 1254 (4)	8.396	12975172	158.694	ng/ml	
40)	Aroclor 1254 (5)	8.733	112669238	1305.535	ng/ml	
41)	Aroclor 1254 (6)	8.952	15321150	634.783	ng/ml	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml	
43)	Aroclor 1260 (1)	8.292	83569375	869.310	ng/ml	
44)	Aroclor 1260 (2)	8.499	109913791	957.013	ng/ml	
45)	Aroclor 1260 (3)	8.733	112669238	996.625	ng/ml	✓
46)	Aroclor 1260 (4)	9.234	176103178	1072.022	ng/ml	
47)	Aroclor 1260 (5)	9.510	101486160	1044.630	ng/ml	
48)	Aroclor 1260 (6)	10.115	39363226	1016.404	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	8.499	109913791	1373.171	ng/ml	
51)	Aroclor 1262 (2)	8.803	81475398	715.351	ng/ml	
52)	Aroclor 1262 (3)	8.983	77163808	873.525	ng/ml	
53)	Aroclor 1262 (4)	9.234	176103178	1032.683	ng/ml	
54)	Aroclor 1262 (5)	9.510	101486160	963.884	ng/ml	
55)	Aroclor 1262 (6)	10.115	39363226	864.945	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_27.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 11:15
Operator : KAK
Sample : 1012827-MS2
Misc :
ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 13:59:16 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	9.027	5586100	115.481	ng/ml
58)	Aroclor 1268 (2)	9.510	101486160	537.089	ng/ml
59)	Aroclor 1268 (3)	9.579	39457634	261.143	ng/ml
60)	Aroclor 1268 (4)	9.810	4676805	35.069	ng/ml
61)	Aroclor 1268 (5)	10.115	39363226	793.549	ng/ml
62)	Aroclor 1268 (6)	10.492	14179679	41.365	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

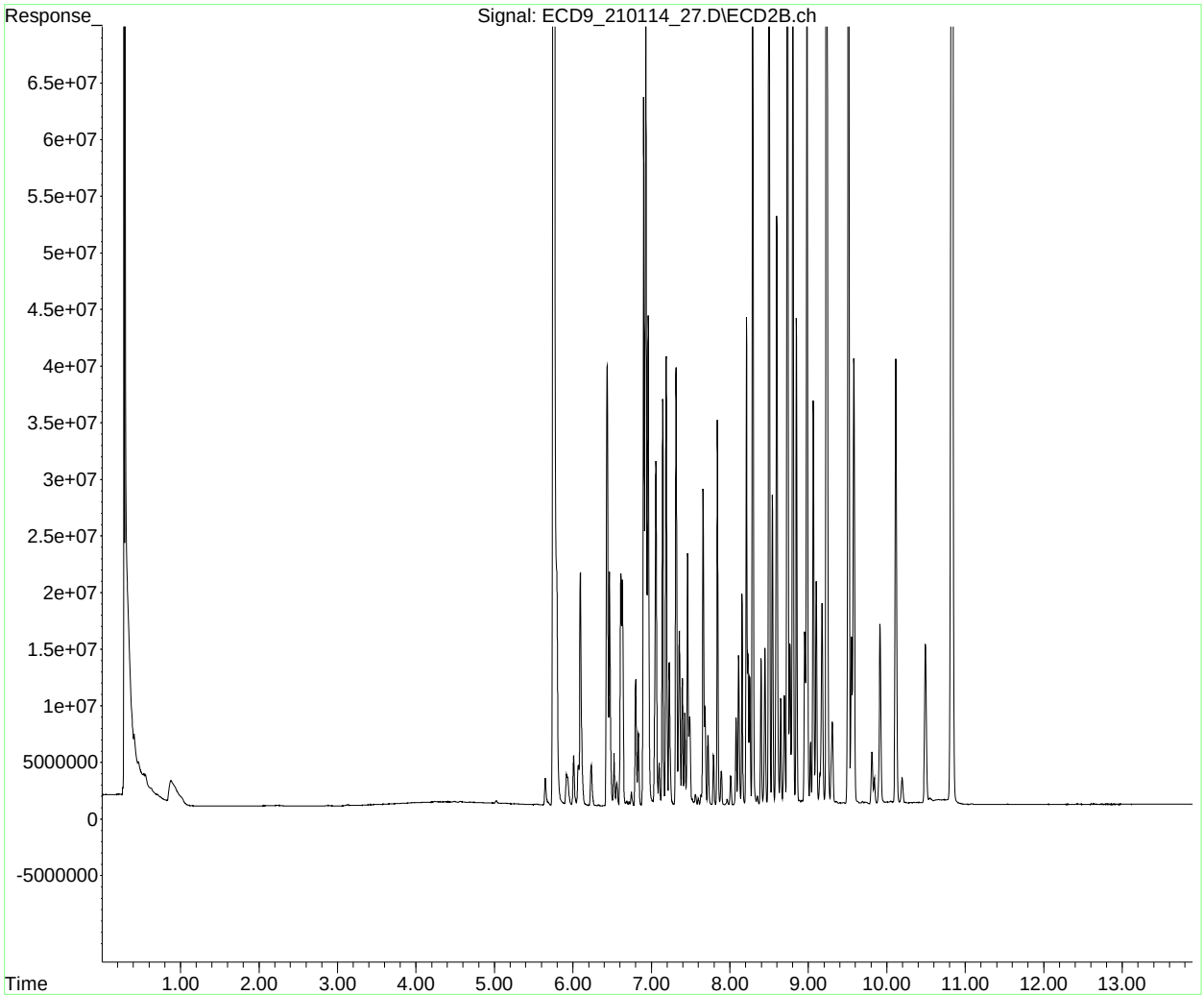
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_27.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 11:15
Operator : KAK
Sample : 1012827-MS2
Misc :
ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 13:59:16 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_31.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 11:50
Operator : KAK
Sample : 1012827-MSD2
Misc :
ALS Vial : 60 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 14:00:51 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	5.756	279622039	174.871	ng/ml
64) S	DCBP (S)	10.830	180144770	253.718	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.435	39850112	702.672	ng/ml
3)	Aroclor 1016 (2)	6.929	73528786	809.964	ng/ml
4)	Aroclor 1016 (3)	7.058	31192176	724.025	ng/ml
5)	Aroclor 1016 (4)	7.143	36642486	785.714	ng/ml
6)	Aroclor 1016 (5)	7.189	38637793	761.791	ng/ml
7)	Aroclor 1016 (6)	7.315	38956784	781.234	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.935	2522334	229.269	ng/ml
10)	Aroclor 1221 (2)	6.009	4346877	391.397	ng/ml
11)	Aroclor 1221 (3)	6.097	21060839	576.230	ng/ml
12)	Aroclor 1221 (4)	6.612	20942623	2647.257	ng/ml
13)	Aroclor 1221 (5)	6.929	73528786	12225.760	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	6.097	21060839	690.683	ng/ml
16)	Aroclor 1232 (2)	6.435	39850112	1972.341	ng/ml
17)	Aroclor 1232 (3)	6.929	73528786	2191.784	ng/ml
18)	Aroclor 1232 (4)	7.143	36642486	2627.335	ng/ml
19)	Aroclor 1232 (5)	7.189	38637793	2428.647	ng/ml
20)	Aroclor 1232 (6)	7.315	38956784	2396.681	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.435	39850112	1062.226	ng/ml
23)	Aroclor 1242 (2)	6.929	73528786	1222.165	ng/ml
24)	Aroclor 1242 (3)	7.058	31192176	1073.925	ng/ml
25)	Aroclor 1242 (4)	7.143	36642486	1284.994	ng/ml

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_31.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 11:50
Operator : KAK
Sample : 1012827-MSD2
Misc :
ALS Vial : 60 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 14:00:51 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
26)	Aroclor 1242 (5)	7.189	38637793	1169.944	ng/ml
27)	Aroclor 1242 (6)	7.315	38956784	1165.940	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.901	65688313	1722.402	ng/ml
30)	Aroclor 1248 (2)	7.143	36642486	673.341	ng/ml
31)	Aroclor 1248 (3)	7.189	38637793	778.793	ng/ml
32)	Aroclor 1248 (4)	7.315	38956784	672.776	ng/ml
33)	Aroclor 1248 (5)	7.682	8620914	118.514	ng/ml
34)	Aroclor 1248 (6)	7.842	34766586	582.782	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.660	28320092	397.878	ng/ml
37)	Aroclor 1254 (2)	7.842	34766586	319.295	ng/ml
38)	Aroclor 1254 (3)	8.155	18215441	163.339	ng/ml
39)	Aroclor 1254 (4)	8.396	13173673	161.121	ng/ml
40)	Aroclor 1254 (5)	8.734	114928629	1331.716	ng/ml
41)	Aroclor 1254 (6)	8.953	15920598	659.619	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.292	87688154	912.155	ng/ml
44)	Aroclor 1260 (2)	8.499	109860067	956.545	ng/ml
45)	Aroclor 1260 (3)	8.734	114928629	1016.610	ng/ml
46)	Aroclor 1260 (4)	9.235	181187316	1102.971	ng/ml
47)	Aroclor 1260 (5)	9.511	101553652	1045.325	ng/ml
48)	Aroclor 1260 (6)	10.115	39587063	1022.184	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	8.499	109860067	1372.500	ng/ml
51)	Aroclor 1262 (2)	8.804	83678815	734.697	ng/ml
52)	Aroclor 1262 (3)	8.983	80384077	909.979	ng/ml
53)	Aroclor 1262 (4)	9.235	181187316	1062.497	ng/ml
54)	Aroclor 1262 (5)	9.511	101553652	964.525	ng/ml
55)	Aroclor 1262 (6)	10.115	39587063	869.864	ng/ml

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_31.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 11:50
Operator : KAK
Sample : 1012827-MSD2
Misc :
ALS Vial : 60 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 14:00:51 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	9.027	5880882	121.575	ng/ml
58)	Aroclor 1268 (2)	9.511	101553652	537.446	ng/ml
59)	Aroclor 1268 (3)	9.580	39651721	262.428	ng/ml
60)	Aroclor 1268 (4)	9.811	4712896	35.340	ng/ml
61)	Aroclor 1268 (5)	10.115	39587063	798.062	ng/ml
62)	Aroclor 1268 (6)	10.493	14154676	41.292	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

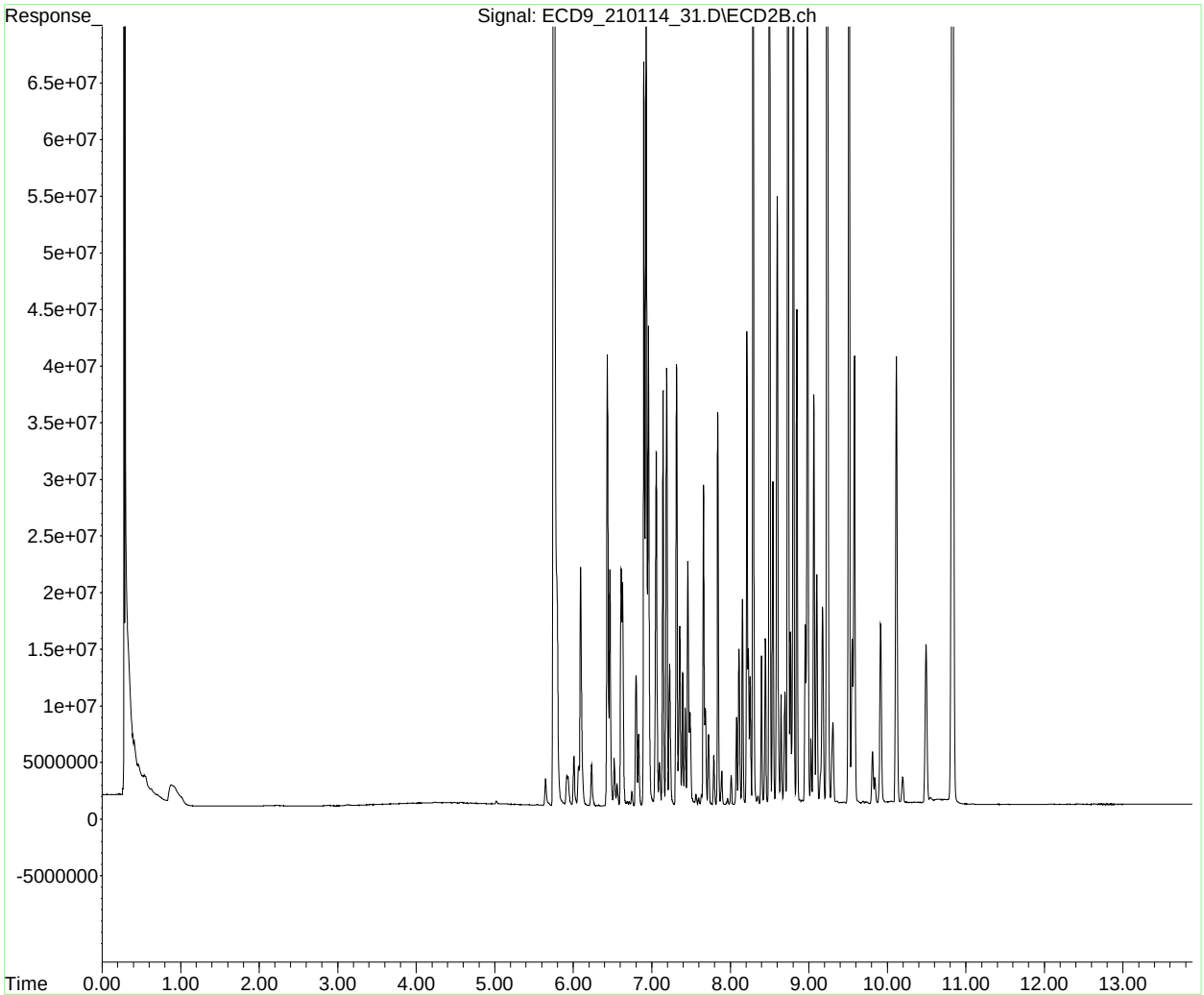
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_31.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 11:50
Operator : KAK
Sample : 1012827-MSD2
Misc :
ALS Vial : 60 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 14:00:51 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_31.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 11:50
Operator : KAK
Sample : 1012827-MSD2
Misc :
ALS Vial : 60 Sample Multiplier: 1

KAK 1/14/21

Integration File: events.e
Quant Time: Jan 14 14:00:51 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units	
	System Monitoring Compounds					
1) S	TCMX (S)	5.756	279622039	174.871	ng/ml	
64) S	DCBP (S)	10.830	180144770	253.718	ng/ml	
	Target Compounds					
2)	Aroclor 1016 (1)	6.435	39850112	702.672	ng/ml	
3)	Aroclor 1016 (2)	6.929	73528786	809.964	ng/ml	
4)	Aroclor 1016 (3)	7.058	31192176	724.025	ng/ml	
5)	Aroclor 1016 (4)	7.143	36642486	785.714	ng/ml	✓
6)	Aroclor 1016 (5)	7.189	38637793	761.791	ng/ml	
7)	Aroclor 1016 (6)	7.315	38956784	781.234	ng/ml	
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml	
9)	Aroclor 1221 (1)	5.935	2522334	229.269	ng/ml	
10)	Aroclor 1221 (2)	6.009	4346877	391.397	ng/ml	
11)	Aroclor 1221 (3)	6.097	21060839	576.230	ng/ml	
12)	Aroclor 1221 (4)	6.612	20942623	2647.257	ng/ml	
13)	Aroclor 1221 (5)	6.929	73528786	12225.760	ng/ml	
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml	
15)	Aroclor 1232 (1)	6.097	21060839	690.683	ng/ml	
16)	Aroclor 1232 (2)	6.435	39850112	1972.341	ng/ml	
17)	Aroclor 1232 (3)	6.929	73528786	2191.784	ng/ml	
18)	Aroclor 1232 (4)	7.143	36642486	2627.335	ng/ml	
19)	Aroclor 1232 (5)	7.189	38637793	2428.647	ng/ml	
20)	Aroclor 1232 (6)	7.315	38956784	2396.681	ng/ml	
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml	
22)	Aroclor 1242 (1)	6.435	39850112	1062.226	ng/ml	
23)	Aroclor 1242 (2)	6.929	73528786	1222.165	ng/ml	
24)	Aroclor 1242 (3)	7.058	31192176	1073.925	ng/ml	
25)	Aroclor 1242 (4)	7.143	36642486	1284.994	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_31.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 11:50
Operator : KAK
Sample : 1012827-MSD2
Misc :
ALS Vial : 60 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 14:00:51 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units	
26)	Aroclor 1242 (5)	7.189	38637793	1169.944	ng/ml	
27)	Aroclor 1242 (6)	7.315	38956784	1165.940	ng/ml	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml	
29)	Aroclor 1248 (1)	6.901	65688313	1722.402	ng/ml	
30)	Aroclor 1248 (2)	7.143	36642486	673.341	ng/ml	
31)	Aroclor 1248 (3)	7.189	38637793	778.793	ng/ml	
32)	Aroclor 1248 (4)	7.315	38956784	672.776	ng/ml	
33)	Aroclor 1248 (5)	7.682	8620914	118.514	ng/ml	
34)	Aroclor 1248 (6)	7.842	34766586	582.782	ng/ml	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml	
36)	Aroclor 1254 (1)	7.660	28320092	397.878	ng/ml	
37)	Aroclor 1254 (2)	7.842	34766586	319.295	ng/ml	
38)	Aroclor 1254 (3)	8.155	18215441	163.339	ng/ml	
39)	Aroclor 1254 (4)	8.396	13173673	161.121	ng/ml	
40)	Aroclor 1254 (5)	8.734	114928629	1331.716	ng/ml	
41)	Aroclor 1254 (6)	8.953	15920598	659.619	ng/ml	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml	
43)	Aroclor 1260 (1)	8.292	87688154	912.155	ng/ml	
44)	Aroclor 1260 (2)	8.499	109860067	956.545	ng/ml	
45)	Aroclor 1260 (3)	8.734	114928629	1016.610	ng/ml	
46)	Aroclor 1260 (4)	9.235	181187316	1102.971	ng/ml	
47)	Aroclor 1260 (5)	9.511	101553652	1045.325	ng/ml	✓
48)	Aroclor 1260 (6)	10.115	39587063	1022.184	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	8.499	109860067	1372.500	ng/ml	
51)	Aroclor 1262 (2)	8.804	83678815	734.697	ng/ml	
52)	Aroclor 1262 (3)	8.983	80384077	909.979	ng/ml	
53)	Aroclor 1262 (4)	9.235	181187316	1062.497	ng/ml	
54)	Aroclor 1262 (5)	9.511	101553652	964.525	ng/ml	
55)	Aroclor 1262 (6)	10.115	39587063	869.864	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_31.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 11:50
Operator : KAK
Sample : 1012827-MSD2
Misc :
ALS Vial : 60 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 14:00:51 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	9.027	5880882	121.575	ng/ml
58)	Aroclor 1268 (2)	9.511	101553652	537.446	ng/ml
59)	Aroclor 1268 (3)	9.580	39651721	262.428	ng/ml
60)	Aroclor 1268 (4)	9.811	4712896	35.340	ng/ml
61)	Aroclor 1268 (5)	10.115	39587063	798.062	ng/ml
62)	Aroclor 1268 (6)	10.493	14154676	41.292	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

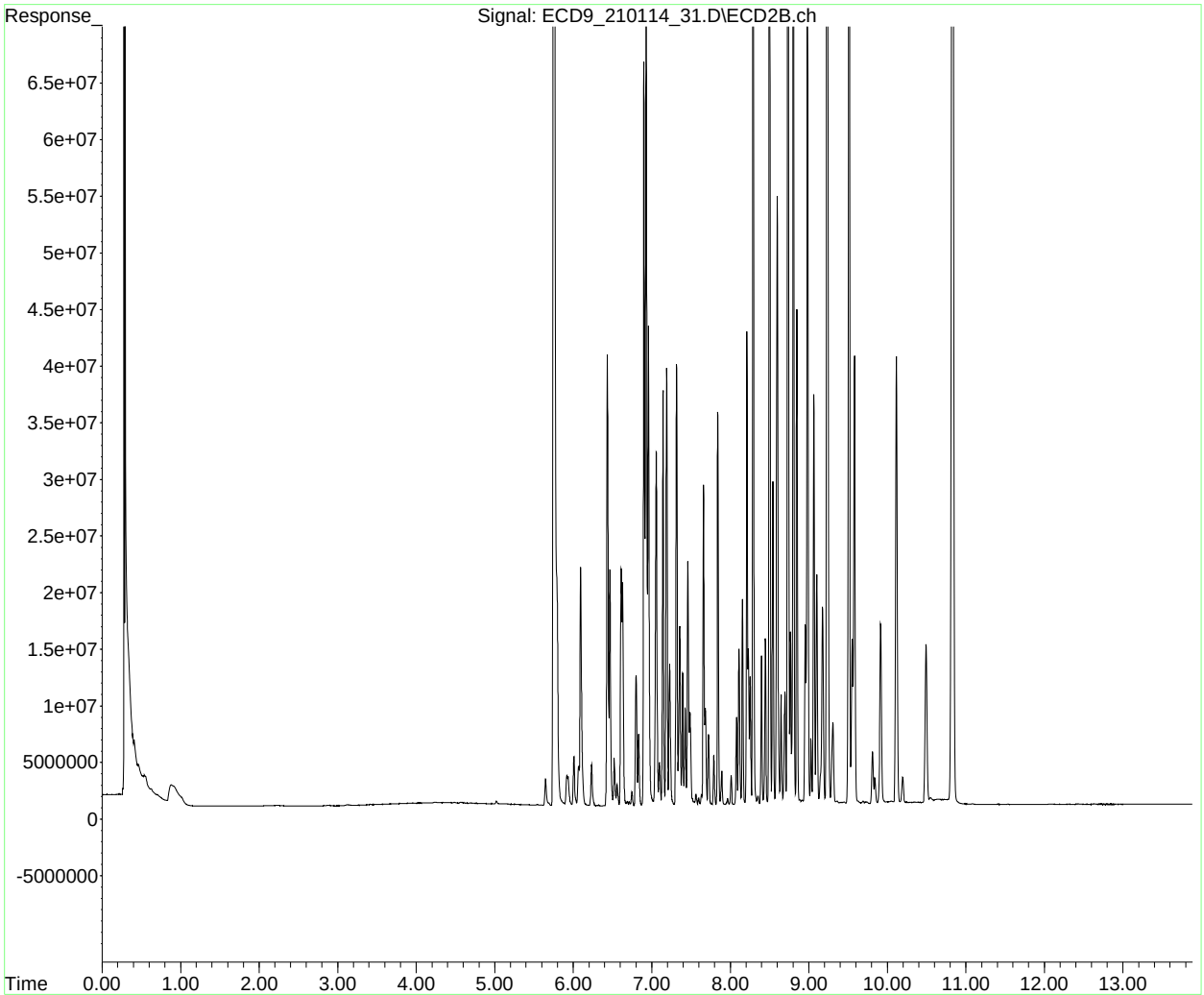
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_31.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 11:50
Operator : KAK
Sample : 1012827-MSD2
Misc :
ALS Vial : 60 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 14:00:51 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_35.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 12:26
Operator : KAK
Sample : 1A14017-CCV2
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 12:54:35 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	5.757	343984254	215.121	ng/ml
64) S	DCBP (S)	10.830	189870102	267.416	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.436	22759912	401.323	ng/ml
3)	Aroclor 1016 (2)	6.930	39598425	436.201	ng/ml
4)	Aroclor 1016 (3)	7.059	17583116	408.135	ng/ml
5)	Aroclor 1016 (4)	7.144	20357521	436.520	ng/ml
6)	Aroclor 1016 (5)	7.190	21826668	430.339	ng/ml
7)	Aroclor 1016 (6)	7.316	22272296	446.645	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.934	1673630	152.126	ng/ml
10)	Aroclor 1221 (2)	6.010	2838438	255.576	ng/ml
11)	Aroclor 1221 (3)	6.098	12714774	347.879	ng/ml
12)	Aroclor 1221 (4)	6.612	12748700	1611.502	ng/ml
13)	Aroclor 1221 (5)	6.930	39598425	6584.100	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	6.098	12714774	416.977	ng/ml
16)	Aroclor 1232 (2)	6.436	22759912	1126.479	ng/ml
17)	Aroclor 1232 (3)	6.930	39598425	1180.370	ng/ml
18)	Aroclor 1232 (4)	7.144	20357521	1459.673	ng/ml
19)	Aroclor 1232 (5)	7.190	21826668	1371.954	ng/ml
20)	Aroclor 1232 (6)	7.316	22272296	1370.226	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.436	22759912	606.677	ng/ml
23)	Aroclor 1242 (2)	6.930	39598425	658.188	ng/ml
24)	Aroclor 1242 (3)	7.059	17583116	605.375	ng/ml
25)	Aroclor 1242 (4)	7.144	20357521	713.906	ng/ml

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_35.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 12:26
Operator : KAK
Sample : 1A14017-CCV2
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 12:54:35 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
26)	Aroclor 1242 (5)	7.190	21826668	660.907	ng/ml
27)	Aroclor 1242 (6)	7.316	22272296	666.589	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.902	34561170	906.222	ng/ml
30)	Aroclor 1248 (2)	7.144	20357521	374.089	ng/ml
31)	Aroclor 1248 (3)	7.190	21826668	439.944	ng/ml
32)	Aroclor 1248 (4)	7.316	22272296	384.638	ng/ml
33)	Aroclor 1248 (5)	7.683	4982795	68.500	ng/ml
34)	Aroclor 1248 (6)	7.842	18589080	311.603	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.660	15833807	222.454	ng/ml
37)	Aroclor 1254 (2)	7.842	18589080	170.722	ng/ml
38)	Aroclor 1254 (3)	8.156	10951428	98.202	ng/ml
39)	Aroclor 1254 (4)	8.397	7427431	90.842	ng/ml
40)	Aroclor 1254 (5)	8.735	58766833	680.951	ng/ml
41)	Aroclor 1254 (6)	8.953	8557300	354.544	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.293	47038499	489.307	ng/ml
44)	Aroclor 1260 (2)	8.499	57777044	503.061	ng/ml
45)	Aroclor 1260 (3)	8.735	58766833	519.827	ng/ml
46)	Aroclor 1260 (4)	9.236	95801182	583.186	ng/ml
47)	Aroclor 1260 (5)	9.512	52801198	543.500	ng/ml
48)	Aroclor 1260 (6)	10.116	19688608	508.383	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	8.499	57777044	721.818	ng/ml
51)	Aroclor 1262 (2)	8.804	44012176	386.425	ng/ml
52)	Aroclor 1262 (3)	8.985	42246272	478.244	ng/ml
53)	Aroclor 1262 (4)	9.236	95801182	561.786	ng/ml
54)	Aroclor 1262 (5)	9.512	52801198	501.489	ng/ml
55)	Aroclor 1262 (6)	10.116	19688608	432.626	ng/ml

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_35.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 12:26
Operator : KAK
Sample : 1A14017-CCV2
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 12:54:35 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	9.028	3306447	68.354	ng/ml
58)	Aroclor 1268 (2)	9.512	52801198	279.437	ng/ml
59)	Aroclor 1268 (3)	9.579	20572768	136.157	ng/ml
60)	Aroclor 1268 (4)	9.811	4349023	32.611	ng/ml
61)	Aroclor 1268 (5)	10.116	19688608	396.916	ng/ml
62)	Aroclor 1268 (6)	10.492	11209969	32.702	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

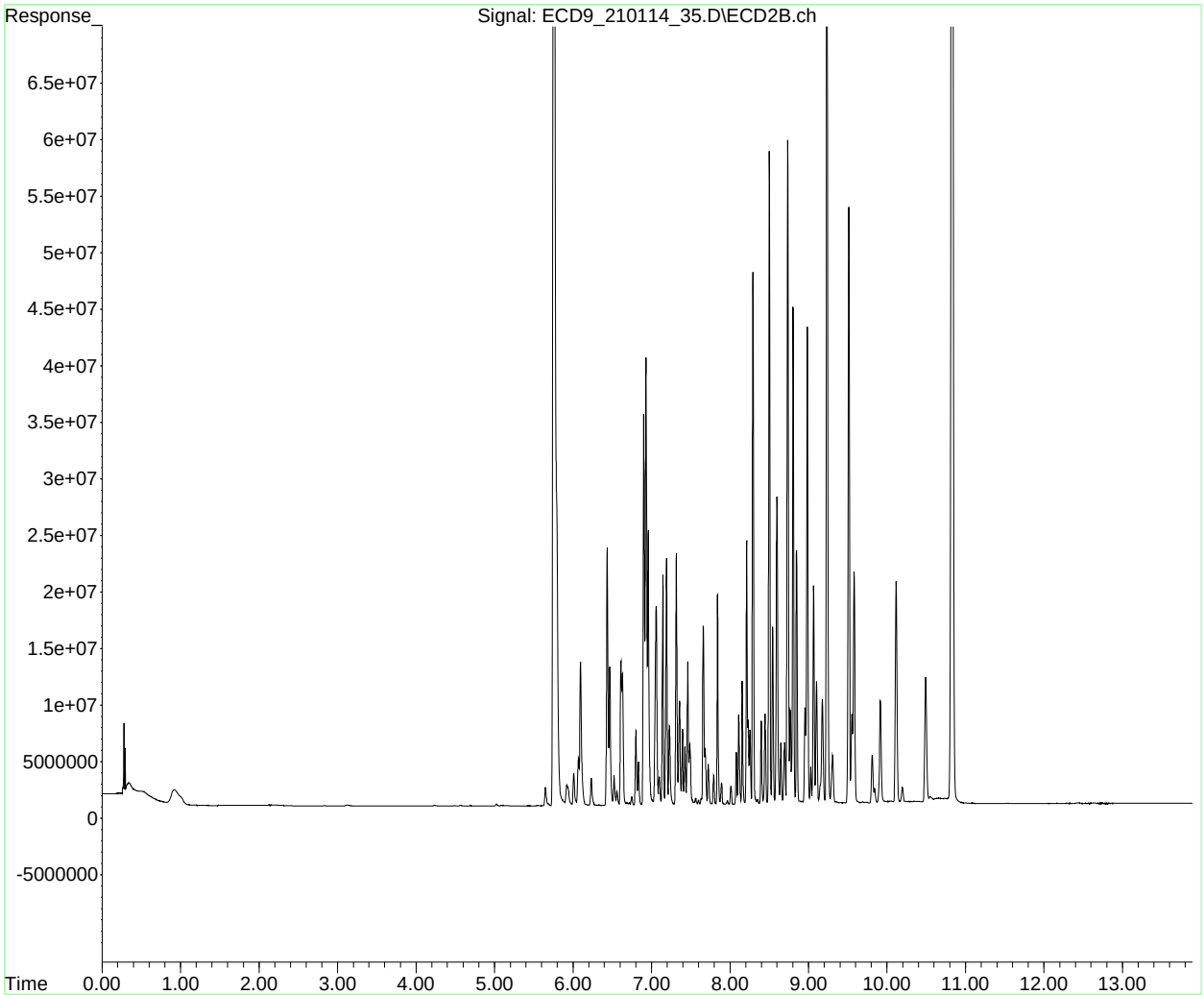
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_35.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 12:26
Operator : KAK
Sample : 1A14017-CCV2
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 12:54:35 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_35.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 12:26
Operator : KAK
Sample : 1A14017-CCV2
Misc :
ALS Vial : 52 Sample Multiplier: 1

KAK 1/14/21

Integration File: events.e
Quant Time: Jan 14 12:54:35 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units	
	System Monitoring Compounds					
1) S	TCMX (S)	5.757	343984254	215.121	ng/ml	
64) S	DCBP (S)	10.830	189870102	267.416	ng/ml	
	Target Compounds					
2)	Aroclor 1016 (1)	6.436	22759912	401.323	ng/ml	
3)	Aroclor 1016 (2)	6.930	39598425	436.201	ng/ml	
4)	Aroclor 1016 (3)	7.059	17583116	408.135	ng/ml	
5)	Aroclor 1016 (4)	7.144	20357521	436.520	ng/ml	✓
6)	Aroclor 1016 (5)	7.190	21826668	430.339	ng/ml	
7)	Aroclor 1016 (6)	7.316	22272296	446.645	ng/ml	
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml	
9)	Aroclor 1221 (1)	5.934	1673630	152.126	ng/ml	
10)	Aroclor 1221 (2)	6.010	2838438	255.576	ng/ml	
11)	Aroclor 1221 (3)	6.098	12714774	347.879	ng/ml	
12)	Aroclor 1221 (4)	6.612	12748700	1611.502	ng/ml	
13)	Aroclor 1221 (5)	6.930	39598425	6584.100	ng/ml	
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml	
15)	Aroclor 1232 (1)	6.098	12714774	416.977	ng/ml	
16)	Aroclor 1232 (2)	6.436	22759912	1126.479	ng/ml	
17)	Aroclor 1232 (3)	6.930	39598425	1180.370	ng/ml	
18)	Aroclor 1232 (4)	7.144	20357521	1459.673	ng/ml	
19)	Aroclor 1232 (5)	7.190	21826668	1371.954	ng/ml	
20)	Aroclor 1232 (6)	7.316	22272296	1370.226	ng/ml	
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml	
22)	Aroclor 1242 (1)	6.436	22759912	606.677	ng/ml	
23)	Aroclor 1242 (2)	6.930	39598425	658.188	ng/ml	
24)	Aroclor 1242 (3)	7.059	17583116	605.375	ng/ml	
25)	Aroclor 1242 (4)	7.144	20357521	713.906	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_35.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 12:26
Operator : KAK
Sample : 1A14017-CCV2
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 12:54:35 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units	
26)	Aroclor 1242 (5)	7.190	21826668	660.907	ng/ml	
27)	Aroclor 1242 (6)	7.316	22272296	666.589	ng/ml	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml	
29)	Aroclor 1248 (1)	6.902	34561170	906.222	ng/ml	
30)	Aroclor 1248 (2)	7.144	20357521	374.089	ng/ml	
31)	Aroclor 1248 (3)	7.190	21826668	439.944	ng/ml	
32)	Aroclor 1248 (4)	7.316	22272296	384.638	ng/ml	
33)	Aroclor 1248 (5)	7.683	4982795	68.500	ng/ml	
34)	Aroclor 1248 (6)	7.842	18589080	311.603	ng/ml	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml	
36)	Aroclor 1254 (1)	7.660	15833807	222.454	ng/ml	
37)	Aroclor 1254 (2)	7.842	18589080	170.722	ng/ml	
38)	Aroclor 1254 (3)	8.156	10951428	98.202	ng/ml	
39)	Aroclor 1254 (4)	8.397	7427431	90.842	ng/ml	
40)	Aroclor 1254 (5)	8.735	58766833	680.951	ng/ml	
41)	Aroclor 1254 (6)	8.953	8557300	354.544	ng/ml	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml	
43)	Aroclor 1260 (1)	8.293	47038499	489.307	ng/ml	
44)	Aroclor 1260 (2)	8.499	57777044	503.061	ng/ml	
45)	Aroclor 1260 (3)	8.735	58766833	519.827	ng/ml	✓
46)	Aroclor 1260 (4)	9.236	95801182	583.186	ng/ml	
47)	Aroclor 1260 (5)	9.512	52801198	543.500	ng/ml	
48)	Aroclor 1260 (6)	10.116	19688608	508.383	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	8.499	57777044	721.818	ng/ml	
51)	Aroclor 1262 (2)	8.804	44012176	386.425	ng/ml	
52)	Aroclor 1262 (3)	8.985	42246272	478.244	ng/ml	
53)	Aroclor 1262 (4)	9.236	95801182	561.786	ng/ml	
54)	Aroclor 1262 (5)	9.512	52801198	501.489	ng/ml	
55)	Aroclor 1262 (6)	10.116	19688608	432.626	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_35.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 12:26
Operator : KAK
Sample : 1A14017-CCV2
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 12:54:35 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	9.028	3306447	68.354	ng/ml
58)	Aroclor 1268 (2)	9.512	52801198	279.437	ng/ml
59)	Aroclor 1268 (3)	9.579	20572768	136.157	ng/ml
60)	Aroclor 1268 (4)	9.811	4349023	32.611	ng/ml
61)	Aroclor 1268 (5)	10.116	19688608	396.916	ng/ml
62)	Aroclor 1268 (6)	10.492	11209969	32.702	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

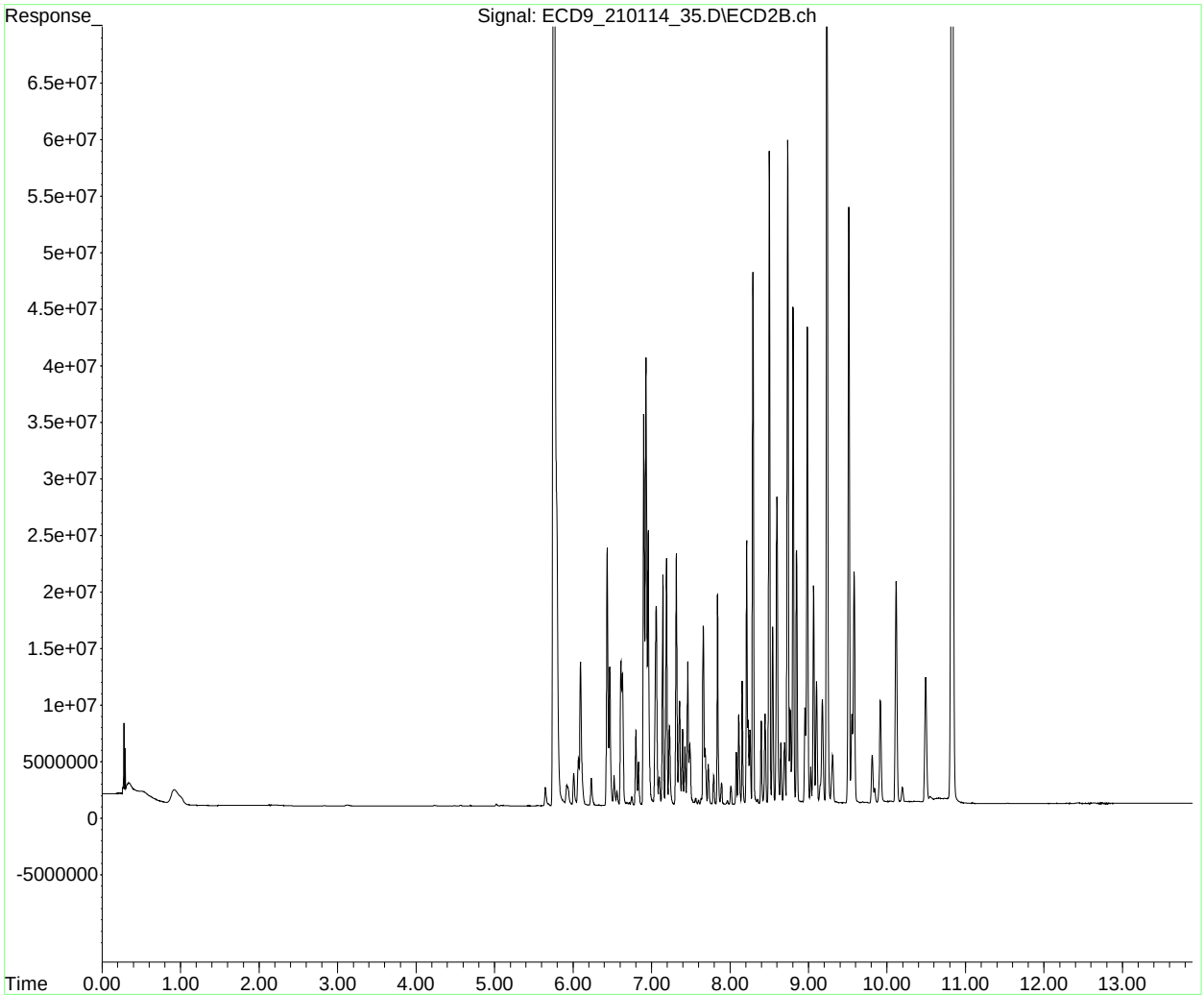
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_35.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 12:26
Operator : KAK
Sample : 1A14017-CCV2
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 12:54:35 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_37.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 12:44
Operator : KAK
Sample : 1A14017-CCB2
Misc :
ALS Vial : 53 Sample Multiplier: 1

KAK 1/14/21

Clean

Integration File: events.e
Quant Time: Jan 14 14:03:17 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	5.756	140732979	88.012	ng/ml
64) S	DCBP (S)	10.830	75003739	105.636	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.443	14034	0.247	ng/ml
3)	Aroclor 1016 (2)	6.926	39336	0.433	ng/ml
4)	Aroclor 1016 (3)	7.059	6471	0.150	ng/ml
5)	Aroclor 1016 (4)	7.142	5569	0.119	ng/ml
6)	Aroclor 1016 (5)	7.192	7715	0.152	ng/ml
7)	Aroclor 1016 (6)	7.324	6191	0.124	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.951	73631	6.693	ng/ml
10)	Aroclor 1221 (2)	6.012	48796	4.394	ng/ml
11)	Aroclor 1221 (3)	6.067	1744110	47.719	ng/ml
12)	Aroclor 1221 (4)	6.616	6464	0.817	ng/ml
13)	Aroclor 1221 (5)	6.926	39336	6.540	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	6.067	1744110	57.198	ng/ml
16)	Aroclor 1232 (2)	6.443	14034	0.695	ng/ml
17)	Aroclor 1232 (3)	6.926	39336	1.173	ng/ml
18)	Aroclor 1232 (4)	7.142	5569	0.399	ng/ml
19)	Aroclor 1232 (5)	7.192	7715	0.485	ng/ml
20)	Aroclor 1232 (6)	7.324	6191	0.381	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.443	14034	0.374	ng/ml
23)	Aroclor 1242 (2)	6.926	39336	0.654	ng/ml
24)	Aroclor 1242 (3)	7.059	6471	0.223	ng/ml
25)	Aroclor 1242 (4)	7.142	5569	0.195	ng/ml

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_37.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 12:44
Operator : KAK
Sample : 1A14017-CCB2
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 14:03:17 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
26)	Aroclor 1242 (5)	7.192	7715	0.234 ng/ml
27)	Aroclor 1242 (6)	7.324	6191	0.185 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.882	6437	0.169 ng/ml
30)	Aroclor 1248 (2)	7.142	5569	0.102 ng/ml
31)	Aroclor 1248 (3)	7.192	7715	0.156 ng/ml
32)	Aroclor 1248 (4)	7.314	6675	0.115 ng/ml
33)	Aroclor 1248 (5)	7.685	11351	0.156 ng/ml
34)	Aroclor 1248 (6)	7.837	32178	0.539 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.662	12408	0.174 ng/ml
37)	Aroclor 1254 (2)	7.837	32178	0.296 ng/ml
38)	Aroclor 1254 (3)	8.156	29633	0.266 ng/ml
39)	Aroclor 1254 (4)	8.397	32169	0.393 ng/ml
40)	Aroclor 1254 (5)	8.734	53387	0.619 ng/ml
41)	Aroclor 1254 (6)	8.945	49888	2.067 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	8.289	31289	0.325 ng/ml
44)	Aroclor 1260 (2)	8.496	58312	0.508 ng/ml
45)	Aroclor 1260 (3)	8.734	53387	0.472 ng/ml
46)	Aroclor 1260 (4)	9.234	61908	0.377 ng/ml
47)	Aroclor 1260 (5)	9.516	77747	0.800 ng/ml
48)	Aroclor 1260 (6)	10.118	143868	3.715 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	8.496	58312	0.729 ng/ml
51)	Aroclor 1262 (2)	8.806	48917	0.429 ng/ml
52)	Aroclor 1262 (3)	8.985	65644	0.743 ng/ml
53)	Aroclor 1262 (4)	9.234	61908	0.363 ng/ml
54)	Aroclor 1262 (5)	9.516	77747	0.738 ng/ml
55)	Aroclor 1262 (6)	10.118	143868	3.161 ng/ml

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_37.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 12:44
Operator : KAK
Sample : 1A14017-CCB2
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 14:03:17 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	9.031	56882	1.176	ng/ml
58)	Aroclor 1268 (2)	9.516	77747	0.411	ng/ml
59)	Aroclor 1268 (3)	9.581	68428	0.453	ng/ml
60)	Aroclor 1268 (4)	9.811	1745595	13.089	ng/ml
61)	Aroclor 1268 (5)	10.118	143868	2.900	ng/ml
62)	Aroclor 1268 (6)	10.493	3382038	9.866	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

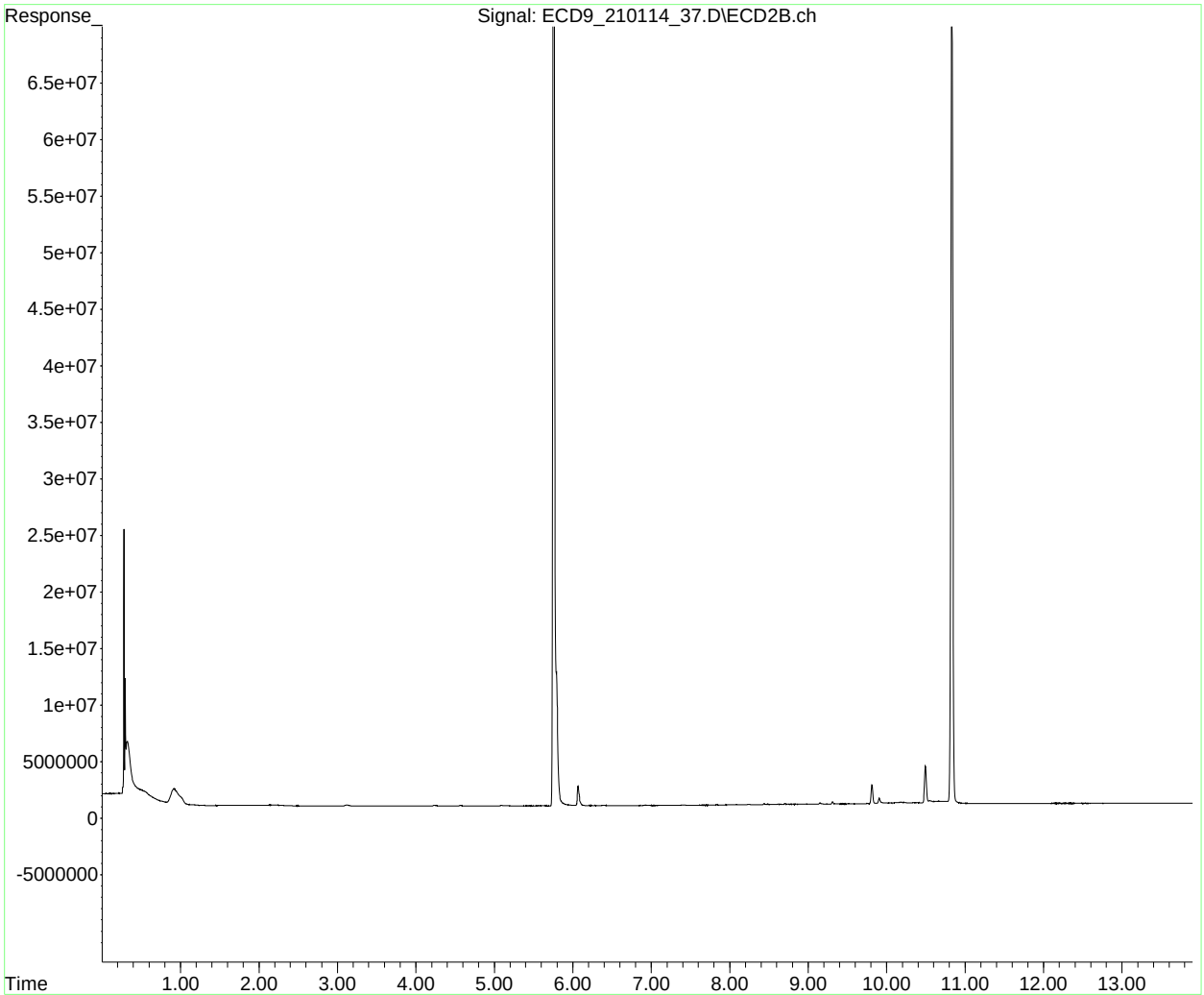
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A14017\
Data File : ECD9_210114_37.D
Signal(s) : ECD2B.ch
Acq On : 14 Jan 2021 12:44
Operator : KAK
Sample : 1A14017-CCB2
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 14 14:03:17 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT2.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Polychlorinated Biphenyls by EPA 8082A
Benchsheet & Analysis Sequence Data

Sequence 1A15008 (A0K0482-01,02,04,05,10,11)

ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: 1A15008 Instrument: DUALECD9F

Date: **01/15/21 06:27** Calibration: **A0K0502**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	1A15008-CCV1	Sediment	QC	QC				A21A150
2	1A15008-CCB1	Sediment	QC	QC				A20L446
3	A0K0482-01	Sediment	8082 PCBs - Low Level (2mL FV) +12	Anchor QEA, LLC	01/14/21	1012827		
4	1A15008-IBL1	Sediment	QC	QC				
5	A0K0482-02	Sediment	8082 PCBs - Low Level (2mL FV) +12	Anchor QEA, LLC	01/14/21	1012827		
6	1A15008-IBL2	Sediment	QC	QC				
7	A0K0482-04	Sediment	8082 PCBs - Low Level (2mL FV) +12	Anchor QEA, LLC	01/14/21	1012827		
8	1A15008-IBL3	Sediment	QC	QC				
9	A0K0482-05	Sediment	8082 PCBs - Low Level (2mL FV) +12	Anchor QEA, LLC	01/14/21	1012827		
10	1A15008-IBL4	Sediment	QC	QC				
11	A0K0482-10	Sediment	8082 PCBs - Low Level (2mL FV) +12	Anchor QEA, LLC	01/14/21	1012827		
12	1A15008-IBL5	Sediment	QC	QC				
13	A0K0482-11	Sediment	8082 PCBs - Low Level (2mL FV) +12	Anchor QEA, LLC	01/14/21	1012827		
14	1A15008-IBL6	Sediment	QC	QC				
15	1A15008-CCV2	Sediment	QC	QC				A21A150
16	1A15008-CCB2	Sediment	QC	QC				A20L446

Comments:

Data Entered By/Date: KAK 1/15/21

Data Reviewed By/Date: MKZ 1/18/21

1/15/2021 3:49:40PM

TOTAL AROCLOR AVERAGE RESULTS

The average result for the 1016 and 1260 selected peaks are reported here to facilitate data entry and review. Averages are done on all individual peaks and must be for matrix spikes if all peaks are not used in the average.

1A15008-CCV1

Aroclor 1016

Peak	Initial Res
1016 (1)	444.95
1016 (2)	498.14
1016 (3)	439.64
1016 (4)	429.24
1016 (5)	449.71
1016 (6)	445.11
Average:	**451.13**

Aroclor 1260

Peak	Initial Res
1260 (1)	450.04
1260 (2)	454.84
1260 (3)	453.05
1260 (4)	474.99
1260 (5)	469.32
1260 (6)	458.62
Average:	**460.14**

1A15008-CCV2

Aroclor 1016

Peak	Initial Res
1016 (1)	446.35
1016 (2)	494.61
1016 (3)	451.10
1016 (4)	433.17
1016 (5)	449.61
1016 (6)	446.13
Average:	**453.50**

Aroclor 1260

Peak	Initial Res
1260 (1)	445.48
1260 (2)	457.00
1260 (3)	444.04
1260 (4)	476.27
1260 (5)	472.61
1260 (6)	450.75
Average:	**457.69**

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15008\
Data File : ECD9_210115_04.D
Signal(s) : ECD1A.ch
Acq On : 15 Jan 2021 08:33
Operator : KAK
Sample : 1A15008-CCV1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 15 13:57:46 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	4.842	349144424	221.394	ng/ml
64) S	DCBP (S)	9.680	278485679	215.584	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.769	29499903	444.945	ng/ml
3)	Aroclor 1016 (2)	6.185	57012613	498.142	ng/ml
4)	Aroclor 1016 (3)	6.267	29545666	439.639	ng/ml
5)	Aroclor 1016 (4)	6.427	24281803	429.243	ng/ml
6)	Aroclor 1016 (5)	6.651	30141717	449.712	ng/ml
7)	Aroclor 1016 (6)	6.778	20444554	445.108	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.202	6531717	340.707	ng/ml
10)	Aroclor 1221 (2)	5.324	3253830	256.054	ng/ml
11)	Aroclor 1221 (3)	5.405	15047046	371.216	ng/ml
12)	Aroclor 1221 (4)	5.877	2682234	399.904	ng/ml
13)	Aroclor 1221 (5)	6.185	57012613	7604.085	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	5.405	15047046	435.761	ng/ml
16)	Aroclor 1232 (2)	6.185	57012613	1308.455	ng/ml
17)	Aroclor 1232 (3)	6.267	29545666	1190.057	ng/ml
18)	Aroclor 1232 (4)	6.427	24281803	1431.746	ng/ml
19)	Aroclor 1232 (5)	6.651	30141717	1328.558	ng/ml
20)	Aroclor 1232 (6)	6.778	20444554	1158.535	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	5.769	29499903	655.879	ng/ml
23)	Aroclor 1242 (2)	6.185	57012613	726.046	ng/ml
24)	Aroclor 1242 (3)	6.267	29545666	642.409	ng/ml
25)	Aroclor 1242 (4)	6.427	24281803	697.786	ng/ml

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15008\
Data File : ECD9_210115_04.D
Signal(s) : ECD1A.ch
Acq On : 15 Jan 2021 08:33
Operator : KAK
Sample : 1A15008-CCV1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 15 13:57:46 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
26)	Aroclor 1242 (5)	6.651	30141717	673.861	ng/ml
27)	Aroclor 1242 (6)	6.778	20444554	557.987	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.185	57012613	1207.422	ng/ml
30)	Aroclor 1248 (2)	6.427	24281803	382.800	ng/ml
31)	Aroclor 1248 (3)	6.651	30141717	385.206	ng/ml
32)	Aroclor 1248 (4)	6.947	5580151	63.772	ng/ml
33)	Aroclor 1248 (5)	6.982	20427221	225.469	ng/ml
34)	Aroclor 1248 (6)	7.475	40066089	894.551	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	6.982	20427221	233.369	ng/ml
37)	Aroclor 1254 (2)	7.093	20478467	201.467	ng/ml
38)	Aroclor 1254 (3)	7.475	40066089	256.767	ng/ml
39)	Aroclor 1254 (4)	7.635	5841865	57.172	ng/ml
40)	Aroclor 1254 (5)	8.021	52063090	505.713	ng/ml
41)	Aroclor 1254 (6)	8.316	6052417	182.781	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	7.589	54176290	450.036	ng/ml
44)	Aroclor 1260 (2)	7.723	67405919	454.838	ng/ml
45)	Aroclor 1260 (3)	8.287	50319928	453.050	ng/ml
46)	Aroclor 1260 (4)	8.458	119447142	474.987	ng/ml
47)	Aroclor 1260 (5)	8.762	76781647	469.324	ng/ml
48)	Aroclor 1260 (6)	9.164	30827721	458.616	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	7.723	67405919	648.841	ng/ml
51)	Aroclor 1262 (2)	8.052	50661261	343.121	ng/ml
52)	Aroclor 1262 (3)	8.287	50319928	403.393	ng/ml
53)	Aroclor 1262 (4)	8.458	119447142	457.054	ng/ml
54)	Aroclor 1262 (5)	8.762	76781647	486.614	ng/ml
55)	Aroclor 1262 (6)	9.164	30827721	372.237	ng/ml

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15008\
Data File : ECD9_210115_04.D
Signal(s) : ECD1A.ch
Acq On : 15 Jan 2021 08:33
Operator : KAK
Sample : 1A15008-CCV1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 15 13:57:46 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	8.287	50319928	745.118	ng/ml
58)	Aroclor 1268 (2)	8.708	27703643	93.350	ng/ml
59)	Aroclor 1268 (3)	8.762	76781647	316.677	ng/ml
60)	Aroclor 1268 (4)	8.942	6456433	28.380	ng/ml
61)	Aroclor 1268 (5)	9.164	30827721	333.997	ng/ml
62)	Aroclor 1268 (6)	9.434	16872201	27.381	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

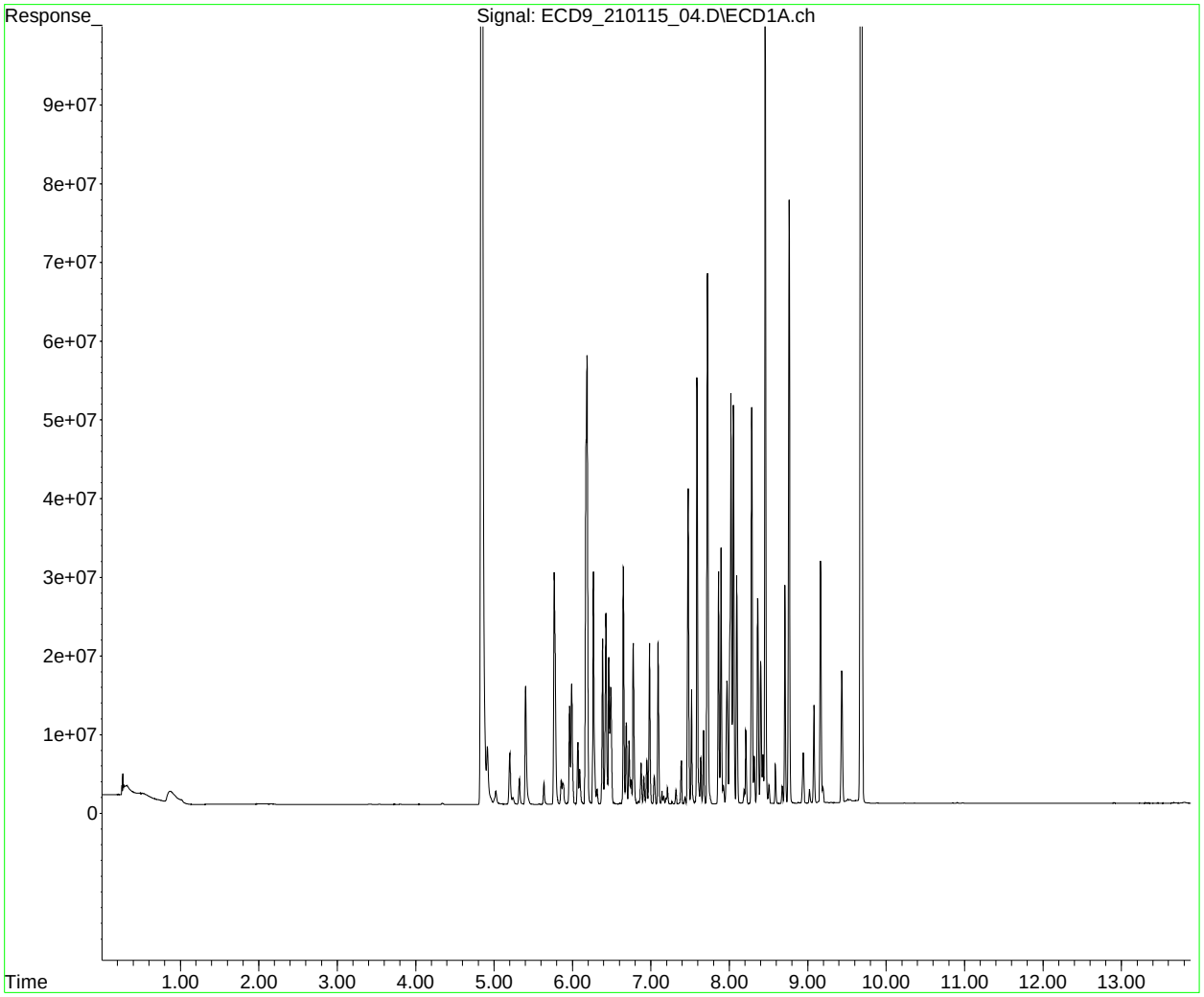
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15008\
Data File : ECD9_210115_04.D
Signal(s) : ECD1A.ch
Acq On : 15 Jan 2021 08:33
Operator : KAK
Sample : 1A15008-CCV1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 15 13:57:46 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A15008\
Data File : ECD9_210115_04.D
Signal(s) : ECD1A.ch
Acq On : 15 Jan 2021 08:33
Operator : KAK
Sample : 1A15008-CCV1
Misc :
ALS Vial : 2 Sample Multiplier: 1

KAK 1/15/21

Integration File: PCB1.e
Quant Time: Jan 15 13:57:46 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units	
	System Monitoring Compounds					
1) S	TCMX (S)	4.842	349144424	221.394	ng/ml	
64) S	DCBP (S)	9.680	278485679	215.584	ng/ml	
	Target Compounds					
2)	Aroclor 1016 (1)	5.769	29499903	444.945	ng/ml	
3)	Aroclor 1016 (2)	6.185	57012613	498.142	ng/ml	
4)	Aroclor 1016 (3)	6.267	29545666	439.639	ng/ml	
5)	Aroclor 1016 (4)	6.427	24281803	429.243	ng/ml	✓
6)	Aroclor 1016 (5)	6.651	30141717	449.712	ng/ml	
7)	Aroclor 1016 (6)	6.778	20444554	445.108	ng/ml	
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml	
9)	Aroclor 1221 (1)	5.202	6531717	340.707	ng/ml	
10)	Aroclor 1221 (2)	5.324	3253830	256.054	ng/ml	
11)	Aroclor 1221 (3)	5.405	15047046	371.216	ng/ml	
12)	Aroclor 1221 (4)	5.877	2682234	399.904	ng/ml	
13)	Aroclor 1221 (5)	6.185	57012613	7604.085	ng/ml	
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml	
15)	Aroclor 1232 (1)	5.405	15047046	435.761	ng/ml	
16)	Aroclor 1232 (2)	6.185	57012613	1308.455	ng/ml	
17)	Aroclor 1232 (3)	6.267	29545666	1190.057	ng/ml	
18)	Aroclor 1232 (4)	6.427	24281803	1431.746	ng/ml	
19)	Aroclor 1232 (5)	6.651	30141717	1328.558	ng/ml	
20)	Aroclor 1232 (6)	6.778	20444554	1158.535	ng/ml	
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml	
22)	Aroclor 1242 (1)	5.769	29499903	655.879	ng/ml	
23)	Aroclor 1242 (2)	6.185	57012613	726.046	ng/ml	
24)	Aroclor 1242 (3)	6.267	29545666	642.409	ng/ml	
25)	Aroclor 1242 (4)	6.427	24281803	697.786	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A15008\
Data File : ECD9_210115_04.D
Signal(s) : ECD1A.ch
Acq On : 15 Jan 2021 08:33
Operator : KAK
Sample : 1A15008-CCV1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 15 13:57:46 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units	
26)	Aroclor 1242 (5)	6.651	30141717	673.861	ng/ml	
27)	Aroclor 1242 (6)	6.778	20444554	557.987	ng/ml	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml	
29)	Aroclor 1248 (1)	6.185	57012613	1207.422	ng/ml	
30)	Aroclor 1248 (2)	6.427	24281803	382.800	ng/ml	
31)	Aroclor 1248 (3)	6.651	30141717	385.206	ng/ml	
32)	Aroclor 1248 (4)	6.947	5580151	63.772	ng/ml	
33)	Aroclor 1248 (5)	6.982	20427221	225.469	ng/ml	
34)	Aroclor 1248 (6)	7.475	40066089	894.551	ng/ml	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml	
36)	Aroclor 1254 (1)	6.982	20427221	233.369	ng/ml	
37)	Aroclor 1254 (2)	7.093	20478467	201.467	ng/ml	
38)	Aroclor 1254 (3)	7.475	40066089	256.767	ng/ml	
39)	Aroclor 1254 (4)	7.635	5841865	57.172	ng/ml	
40)	Aroclor 1254 (5)	8.021	52063090	505.713	ng/ml	
41)	Aroclor 1254 (6)	8.316	6052417	182.781	ng/ml	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml	
43)	Aroclor 1260 (1)	7.589	54176290	450.036	ng/ml	
44)	Aroclor 1260 (2)	7.723	67405919	454.838	ng/ml	
45)	Aroclor 1260 (3)	8.287	50319928	453.050	ng/ml	
46)	Aroclor 1260 (4)	8.458	119447142	474.987	ng/ml	✓
47)	Aroclor 1260 (5)	8.762	76781647	469.324	ng/ml	
48)	Aroclor 1260 (6)	9.164	30827721	458.616	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	7.723	67405919	648.841	ng/ml	
51)	Aroclor 1262 (2)	8.052	50661261	343.121	ng/ml	
52)	Aroclor 1262 (3)	8.287	50319928	403.393	ng/ml	
53)	Aroclor 1262 (4)	8.458	119447142	457.054	ng/ml	
54)	Aroclor 1262 (5)	8.762	76781647	486.614	ng/ml	
55)	Aroclor 1262 (6)	9.164	30827721	372.237	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A15008\
Data File : ECD9_210115_04.D
Signal(s) : ECD1A.ch
Acq On : 15 Jan 2021 08:33
Operator : KAK
Sample : 1A15008-CCV1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 15 13:57:46 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	8.287	50319928	745.118	ng/ml
58)	Aroclor 1268 (2)	8.708	27703643	93.350	ng/ml
59)	Aroclor 1268 (3)	8.762	76781647	316.677	ng/ml
60)	Aroclor 1268 (4)	8.942	6456433	28.380	ng/ml
61)	Aroclor 1268 (5)	9.164	30827721	333.997	ng/ml
62)	Aroclor 1268 (6)	9.434	16872201	27.381	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

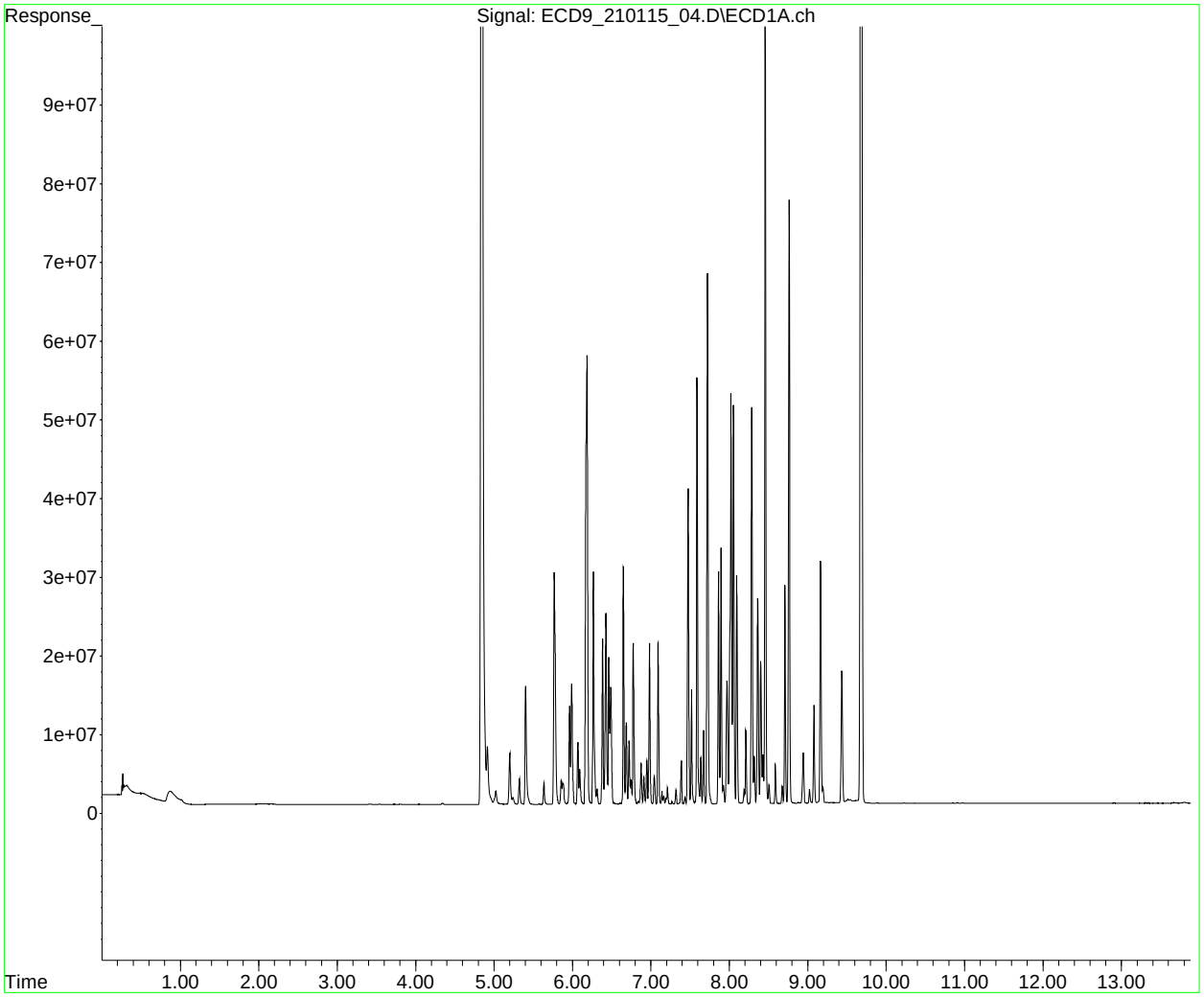
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A15008\
Data File : ECD9_210115_04.D
Signal(s) : ECD1A.ch
Acq On : 15 Jan 2021 08:33
Operator : KAK
Sample : 1A15008-CCV1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 15 13:57:46 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15008\
Data File : ECD9_210115_06.D
Signal(s) : ECD1A.ch
Acq On : 15 Jan 2021 08:51
Operator : KAK
Sample : 1A15008-CCB1
Misc :
ALS Vial : 3 Sample Multiplier: 1

KAK 1/15/21

Clean

Integration File: PCB1.e
Quant Time: Jan 15 13:58:44 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
1) S	TCMX (S)	4.840	136937890	86.833 ng/ml
64) S	DCBP (S)	9.677	117155595	90.694 ng/ml
	Target Compounds			
2)	Aroclor 1016 (1)	5.773	8765	0.132 ng/ml
3)	Aroclor 1016 (2)	6.185	12941	0.113 ng/ml
4)	Aroclor 1016 (3)	6.265	6525	0.097 ng/ml
5)	Aroclor 1016 (4)	6.432	15769	0.279 ng/ml
6)	Aroclor 1016 (5)	6.654	6398	0.095 ng/ml
7)	Aroclor 1016 (6)	6.779	12963	0.282 ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9)	Aroclor 1221 (1)	5.198	1847759	96.383 ng/ml
10)	Aroclor 1221 (2)	5.325	16357	1.287 ng/ml
11)	Aroclor 1221 (3)	5.403	12514	0.309 ng/ml
12)	Aroclor 1221 (4)	5.883	8867	1.322 ng/ml
13)	Aroclor 1221 (5)	6.185	12941	1.726 ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15)	Aroclor 1232 (1)	5.403	12514	0.362 ng/ml
16)	Aroclor 1232 (2)	6.185	12941	0.297 ng/ml
17)	Aroclor 1232 (3)	6.265	6525	0.263 ng/ml
18)	Aroclor 1232 (4)	6.432	15769	0.930 ng/ml
19)	Aroclor 1232 (5)	6.654	6398	0.282 ng/ml
20)	Aroclor 1232 (6)	6.779	12963	0.735 ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22)	Aroclor 1242 (1)	5.773	8765	0.195 ng/ml
23)	Aroclor 1242 (2)	6.185	12941	0.165 ng/ml
24)	Aroclor 1242 (3)	6.265	6525	0.142 ng/ml
25)	Aroclor 1242 (4)	6.432	15769	0.453 ng/ml

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15008\
Data File : ECD9_210115_06.D
Signal(s) : ECD1A.ch
Acq On : 15 Jan 2021 08:51
Operator : KAK
Sample : 1A15008-CCB1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 15 13:58:44 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
26)	Aroclor 1242 (5)	6.654	6398	0.143 ng/ml
27)	Aroclor 1242 (6)	6.779	12963	0.354 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.185	12941	0.274 ng/ml
30)	Aroclor 1248 (2)	6.432	15769	0.249 ng/ml
31)	Aroclor 1248 (3)	6.654	6398	0.082 ng/ml
32)	Aroclor 1248 (4)	6.950	4694	0.054 ng/ml
33)	Aroclor 1248 (5)	6.991	11527	0.127 ng/ml
34)	Aroclor 1248 (6)	7.476	11998	0.268 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	6.991	11527	0.132 ng/ml
37)	Aroclor 1254 (2)	7.091	9480	0.093 ng/ml
38)	Aroclor 1254 (3)	7.476	11998	0.077 ng/ml
39)	Aroclor 1254 (4)	7.635	8402	0.082 ng/ml
40)	Aroclor 1254 (5)	8.030	85166	0.827 ng/ml
41)	Aroclor 1254 (6)	8.316	11900	0.359 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	7.586	11403	0.095 ng/ml
44)	Aroclor 1260 (2)	7.717	14473	0.098 ng/ml
45)	Aroclor 1260 (3)	8.280	21837	0.197 ng/ml
46)	Aroclor 1260 (4)	8.451	178638	0.710 ng/ml
47)	Aroclor 1260 (5)	8.762	50201	0.307 ng/ml
48)	Aroclor 1260 (6)	9.161	49722	0.740 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	7.717	14473	0.139 ng/ml
51)	Aroclor 1262 (2)	8.065	10541	0.071 ng/ml
52)	Aroclor 1262 (3)	8.280	21837	0.175 ng/ml
53)	Aroclor 1262 (4)	8.451	178638	0.684 ng/ml
54)	Aroclor 1262 (5)	8.762	50201	0.318 ng/ml
55)	Aroclor 1262 (6)	9.161	49722	0.600 ng/ml

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15008\
Data File : ECD9_210115_06.D
Signal(s) : ECD1A.ch
Acq On : 15 Jan 2021 08:51
Operator : KAK
Sample : 1A15008-CCB1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 15 13:58:44 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	8.280	21837	0.323	ng/ml
58)	Aroclor 1268 (2)	8.707	58498	0.197	ng/ml
59)	Aroclor 1268 (3)	8.762	50201	0.207	ng/ml
60)	Aroclor 1268 (4)	8.940	2274726	9.999	ng/ml
61)	Aroclor 1268 (5)	9.161	49722	0.539	ng/ml
62)	Aroclor 1268 (6)	9.430	4598174	7.462	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

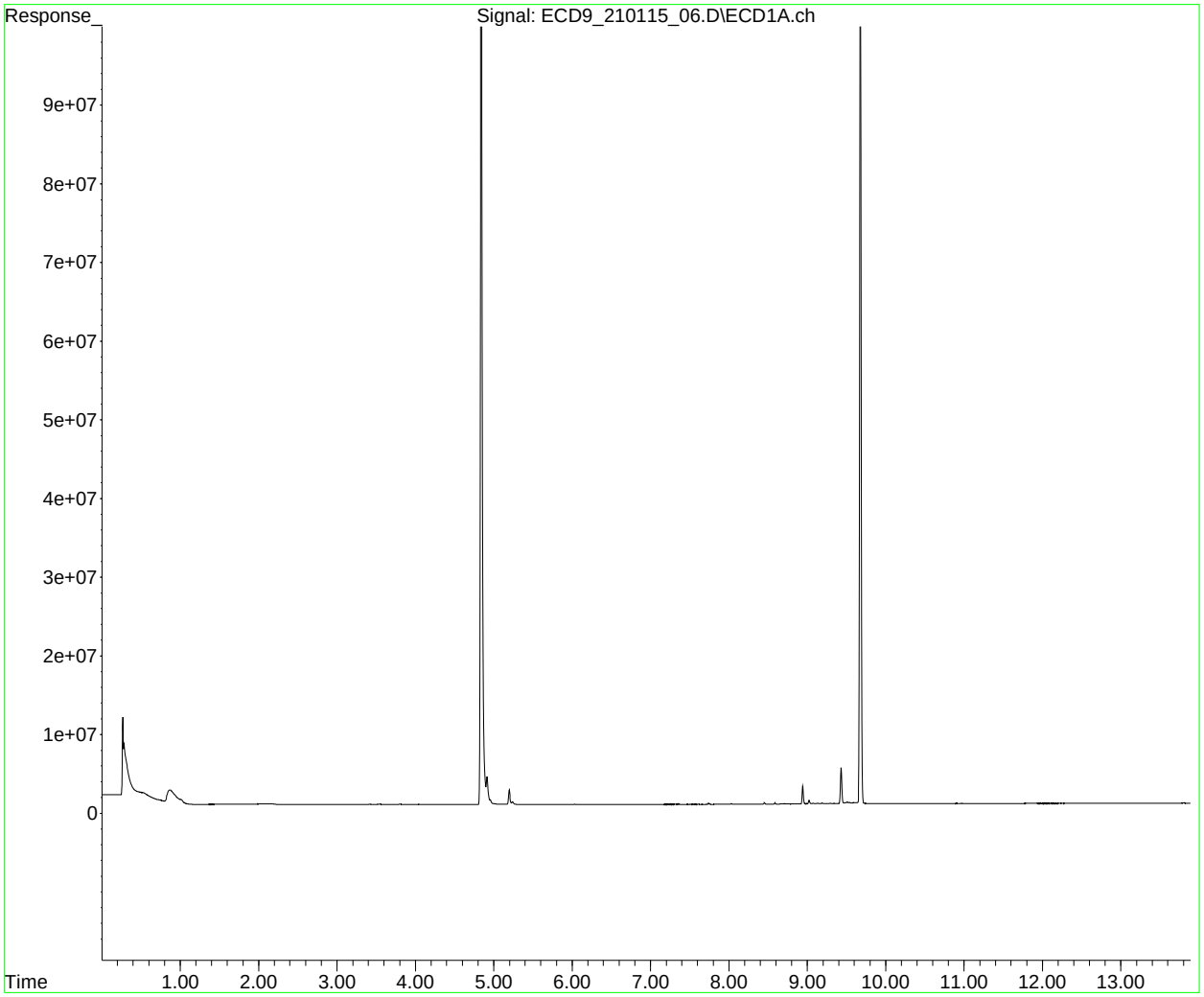
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15008\
Data File : ECD9_210115_06.D
Signal(s) : ECD1A.ch
Acq On : 15 Jan 2021 08:51
Operator : KAK
Sample : 1A15008-CCB1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 15 13:58:44 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15008\
Data File : ECD9_210115_08.D
Signal(s) : ECD1A.ch
Acq On : 15 Jan 2021 09:11
Operator : KAK
Sample : A0K0482-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 15 13:59:25 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	4.843	273465396	173.406	ng/ml
64) S	DCBP (S)	9.679	274672173	212.632	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.767	46905	0.707	ng/ml
3)	Aroclor 1016 (2)	6.185	131287	1.147	ng/ml
4)	Aroclor 1016 (3)	6.267	81447	1.212	ng/ml
5)	Aroclor 1016 (4)	6.427	136851	2.419	ng/ml
6)	Aroclor 1016 (5)	6.654	184555	2.754	ng/ml
7)	Aroclor 1016 (6)	6.778	95617	2.082	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.200	3432380	179.040	ng/ml
10)	Aroclor 1221 (2)	5.355	5500	0.433	ng/ml
11)	Aroclor 1221 (3)	5.412	68590	1.692	ng/ml
12)	Aroclor 1221 (4)	5.884	35459	5.287	ng/ml
13)	Aroclor 1221 (5)	6.185	131287	17.510	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	5.412	68590	1.986	ng/ml
16)	Aroclor 1232 (2)	6.185	131287	3.013	ng/ml
17)	Aroclor 1232 (3)	6.267	81447	3.281	ng/ml
18)	Aroclor 1232 (4)	6.427	136851	8.069	ng/ml
19)	Aroclor 1232 (5)	6.654	184555	8.135	ng/ml
20)	Aroclor 1232 (6)	6.778	95617	5.418	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	5.767	46905	1.043	ng/ml
23)	Aroclor 1242 (2)	6.185	131287	1.672	ng/ml
24)	Aroclor 1242 (3)	6.267	81447	1.771	ng/ml
25)	Aroclor 1242 (4)	6.427	136851	3.933	ng/ml

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15008\
Data File : ECD9_210115_08.D
Signal(s) : ECD1A.ch
Acq On : 15 Jan 2021 09:11
Operator : KAK
Sample : A0K0482-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 15 13:59:25 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
26)	Aroclor 1242 (5)	6.654	184555	4.126 ng/ml
27)	Aroclor 1242 (6)	6.778	95617	2.610 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.185	131287	2.780 ng/ml
30)	Aroclor 1248 (2)	6.427	136851	2.157 ng/ml
31)	Aroclor 1248 (3)	6.654	184555	2.359 ng/ml
32)	Aroclor 1248 (4)	6.946	211536	2.418 ng/ml
33)	Aroclor 1248 (5)	6.984	335882	3.707 ng/ml
34)	Aroclor 1248 (6)	7.469	379427	8.471 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	6.984	335882	3.837 ng/ml
37)	Aroclor 1254 (2)	7.095	285586	2.810 ng/ml
38)	Aroclor 1254 (3)	7.469	379427	2.432 ng/ml
39)	Aroclor 1254 (4)	7.635	275290	2.694 ng/ml
40)	Aroclor 1254 (5)	8.021	357314	3.471 ng/ml
41)	Aroclor 1254 (6)	8.315	78007	2.356 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	7.588	338643	2.813 ng/ml
44)	Aroclor 1260 (2)	7.723	456374	3.079 ng/ml
45)	Aroclor 1260 (3)	8.286	185052	1.666 ng/ml
46)	Aroclor 1260 (4)	8.455	567923	2.258 ng/ml
47)	Aroclor 1260 (5)	8.761	336074	2.054 ng/ml
48)	Aroclor 1260 (6)	9.163	166714	2.480 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	7.723	456374	4.393 ng/ml
51)	Aroclor 1262 (2)	8.051	227972	1.544 ng/ml
52)	Aroclor 1262 (3)	8.286	185052	1.483 ng/ml
53)	Aroclor 1262 (4)	8.455	567923	2.173 ng/ml
54)	Aroclor 1262 (5)	8.761	336074	2.130 ng/ml
55)	Aroclor 1262 (6)	9.163	166714	2.013 ng/ml

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15008\
Data File : ECD9_210115_08.D
Signal(s) : ECD1A.ch
Acq On : 15 Jan 2021 09:11
Operator : KAK
Sample : A0K0482-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 15 13:59:25 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	8.286	185052	2.740	ng/ml
58)	Aroclor 1268 (2)	8.709	153804	0.518	ng/ml
59)	Aroclor 1268 (3)	8.761	336074	1.386	ng/ml
60)	Aroclor 1268 (4)	8.942	4370689	19.212	ng/ml
61)	Aroclor 1268 (5)	9.163	166714	1.806	ng/ml
62)	Aroclor 1268 (6)	9.432	10192661	16.541	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

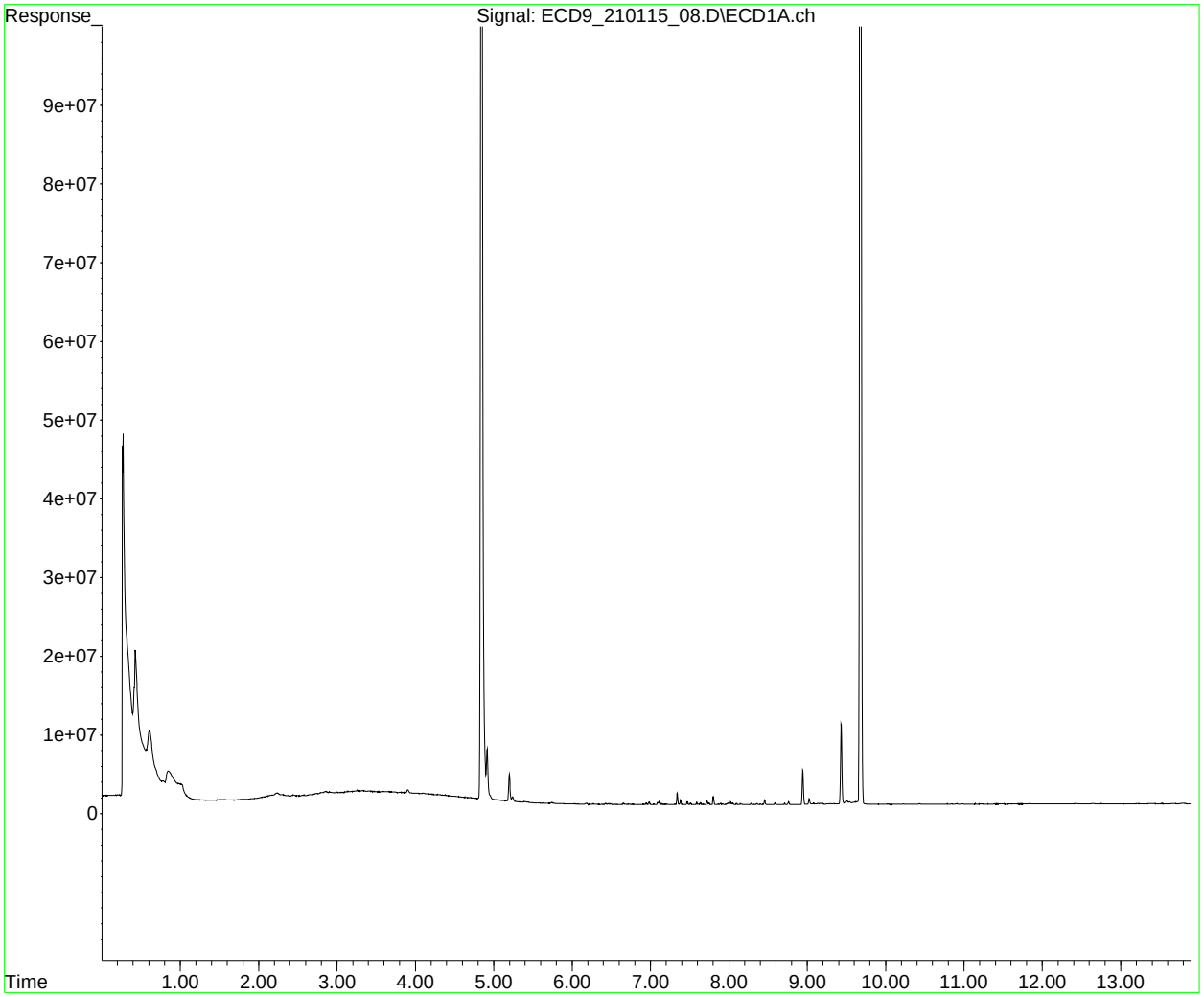
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

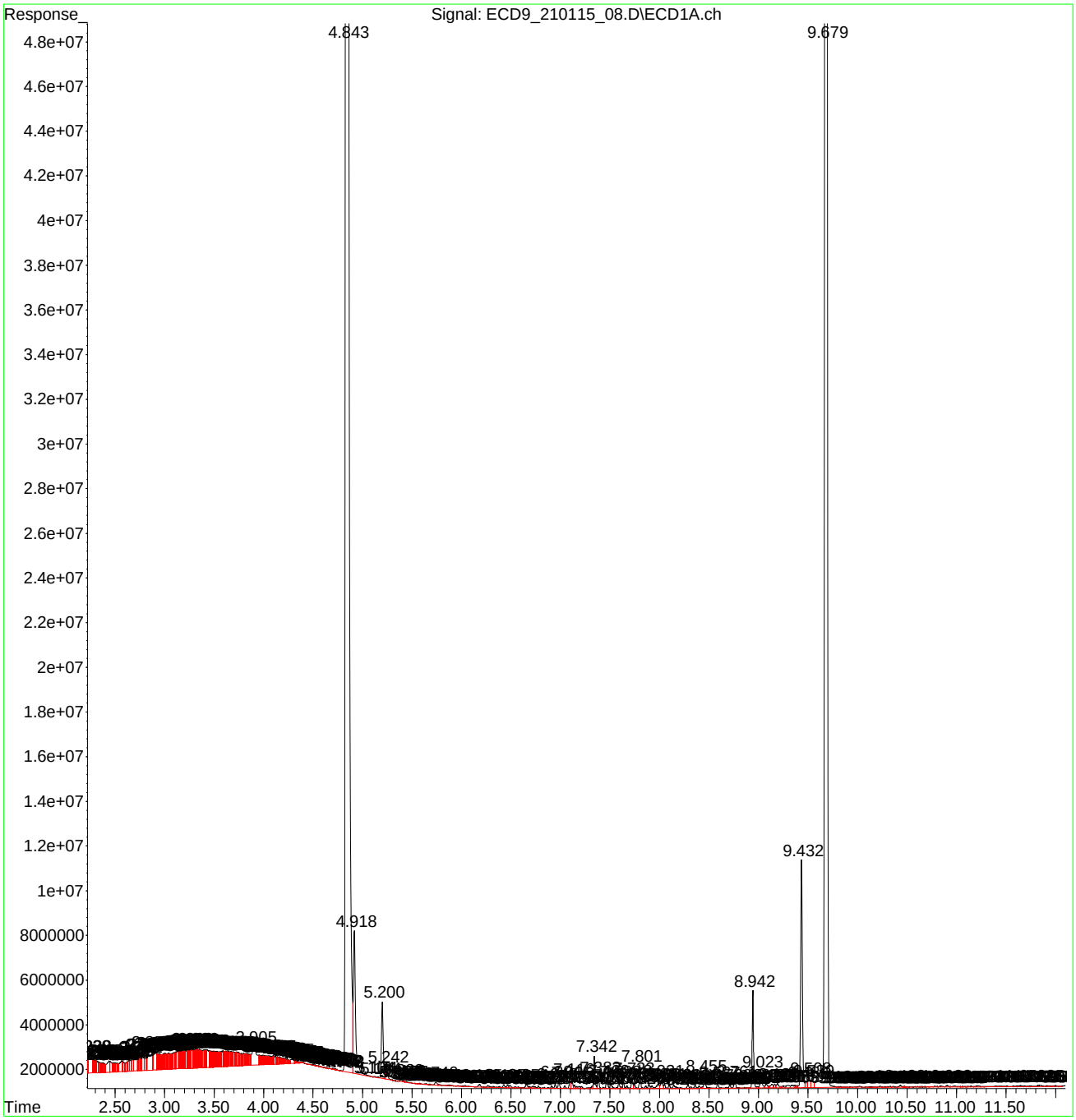
Data Path : W:\1\data\1A15008\
Data File : ECD9_210115_08.D
Signal(s) : ECD1A.ch
Acq On : 15 Jan 2021 09:11
Operator : KAK
Sample : A0K0482-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 15 13:59:25 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



File   :W:\1\data\1A15008\ECD9_210115_08.D
Operator   : KAK
Acquired   : 15 Jan 2021 09:11   using AcqMethod ECD9_ACQ_PCBS_200831.M
Instrument :   DUALECD9
Sample Name: A0K0482-01
Misc Info :
Vial Number: 4



Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A15008\
Data File : ECD9_210115_08.D
Signal(s) : ECD1A.ch
Acq On : 15 Jan 2021 09:11
Operator : KAK
Sample : A0K0482-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

KAK 1/15/21

Integration File: PCB1.e
Quant Time: Jan 15 14:03:25 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3_MI2
... .M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	4.843	273991566	173.739	ng/ml
64) S	DCBP (S)	9.679	274662739	212.625	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.767	90042	1.358	ng/ml
3)	Aroclor 1016 (2)	6.185	133124	1.163	ng/ml
4)	Aroclor 1016 (3)	6.267	81447	1.212	ng/ml
5)	Aroclor 1016 (4)	6.427	136851	2.419	ng/ml
6)	Aroclor 1016 (5)	6.654	184555	2.754	ng/ml
7)	Aroclor 1016 (6)	6.778	95617	2.082	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.200	3712775	193.666	ng/ml
10)	Aroclor 1221 (2)	5.355	183421	14.434	ng/ml
11)	Aroclor 1221 (3)	5.412	216809	5.349	ng/ml
12)	Aroclor 1221 (4)	5.884	60814	9.067	ng/ml
13)	Aroclor 1221 (5)	6.185	133124	17.756	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	5.412	216809	6.279	ng/ml
16)	Aroclor 1232 (2)	6.185	133124	3.055	ng/ml
17)	Aroclor 1232 (3)	6.267	81447	3.281	ng/ml
18)	Aroclor 1232 (4)	6.427	136851	8.069	ng/ml
19)	Aroclor 1232 (5)	6.654	184555	8.135	ng/ml
20)	Aroclor 1232 (6)	6.778	95617	5.418	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	5.767	90042	2.002	ng/ml
23)	Aroclor 1242 (2)	6.185	133124	1.695	ng/ml
24)	Aroclor 1242 (3)	6.267	81447	1.771	ng/ml

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A15008\
Data File : ECD9_210115_08.D
Signal(s) : ECD1A.ch
Acq On : 15 Jan 2021 09:11
Operator : KAK
Sample : A0K0482-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 15 14:03:25 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3_MI2
... .M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
25)	Aroclor 1242 (4)	6.427	136851	3.933 ng/ml
26)	Aroclor 1242 (5)	6.654	184555	4.126 ng/ml
27)	Aroclor 1242 (6)	6.778	95617	2.610 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.185	133124	2.819 ng/ml
30)	Aroclor 1248 (2)	6.427	136851	2.157 ng/ml
31)	Aroclor 1248 (3)	6.654	184555	2.359 ng/ml
32)	Aroclor 1248 (4)	6.946	211536	2.418 ng/ml
33)	Aroclor 1248 (5)	6.984	335882	3.707 ng/ml
34)	Aroclor 1248 (6)	7.469	379427	8.471 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	6.984	335882	3.837 ng/ml
37)	Aroclor 1254 (2)	7.095	285586	2.810 ng/ml
38)	Aroclor 1254 (3)	7.469	379427	2.432 ng/ml
39)	Aroclor 1254 (4)	7.635	275290	2.694 ng/ml
40)	Aroclor 1254 (5)	8.021	357314	3.471 ng/ml
41)	Aroclor 1254 (6)	8.315	78004	2.356 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	7.588	338643	2.813 ng/ml
44)	Aroclor 1260 (2)	7.723	456374	3.079 ng/ml
45)	Aroclor 1260 (3)	8.286	185050	1.666 ng/ml
46)	Aroclor 1260 (4)	8.455	567914	2.258 ng/ml
47)	Aroclor 1260 (5)	8.761	334931	2.047 ng/ml
48)	Aroclor 1260 (6)	9.163	134422	2.000 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	7.723	456374	4.393 ng/ml
51)	Aroclor 1262 (2)	8.051	227972	1.544 ng/ml
52)	Aroclor 1262 (3)	8.286	185050	1.483 ng/ml
53)	Aroclor 1262 (4)	8.455	567914	2.173 ng/ml

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A15008\
Data File : ECD9_210115_08.D
Signal(s) : ECD1A.ch
Acq On : 15 Jan 2021 09:11
Operator : KAK
Sample : A0K0482-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 15 14:03:25 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3_MI2
... .M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
54)	Aroclor 1262 (5)	8.761	334931	2.123	ng/ml
55)	Aroclor 1262 (6)	9.163	134422	1.623	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	8.286	185050	2.740	ng/ml
58)	Aroclor 1268 (2)	8.709	153020	0.516	ng/ml
59)	Aroclor 1268 (3)	8.761	334931	1.381	ng/ml
60)	Aroclor 1268 (4)	8.942	4350057	19.121	ng/ml
61)	Aroclor 1268 (5)	9.163	134422	1.456	ng/ml
62)	Aroclor 1268 (6)	9.432	10172290	16.508	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

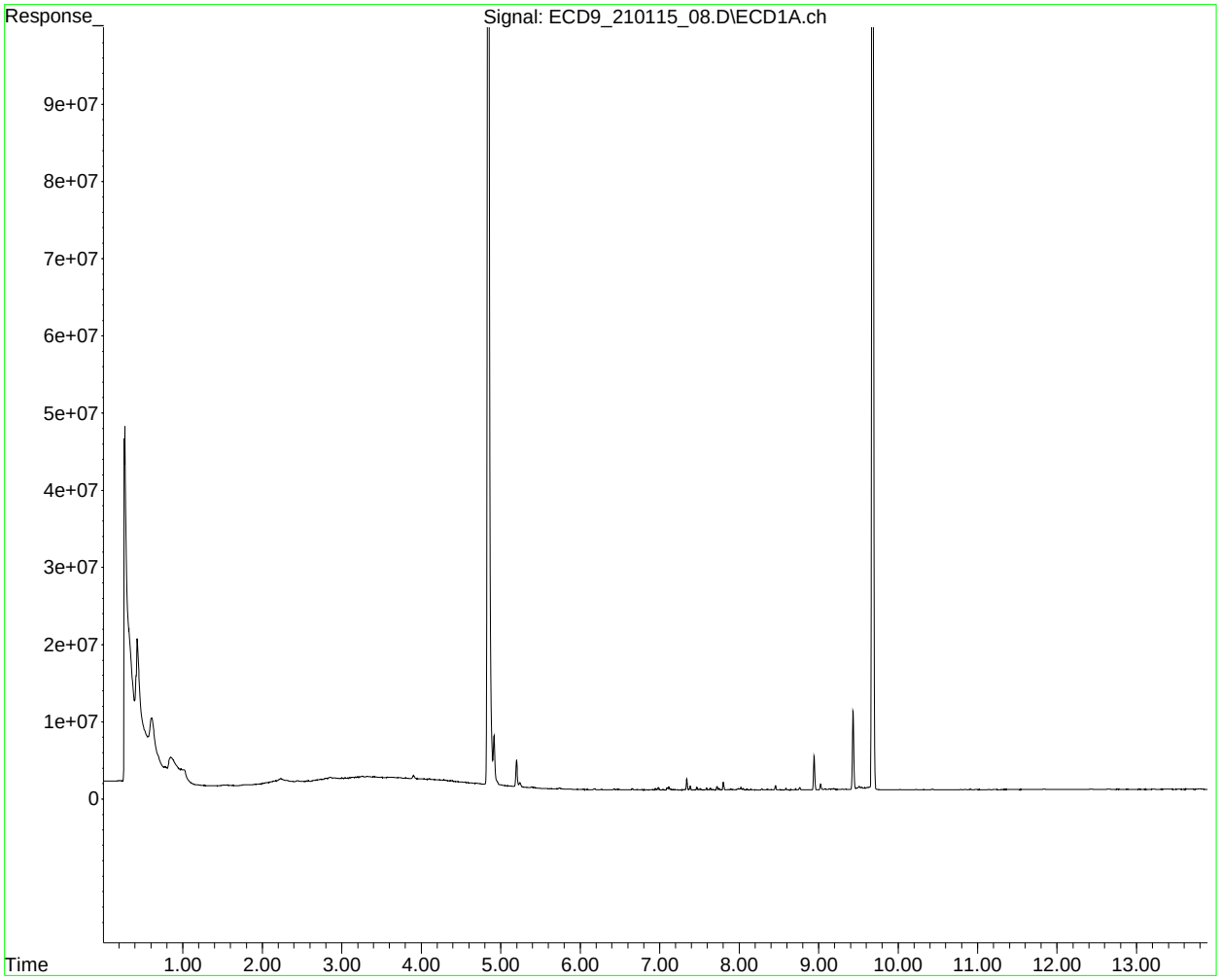
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

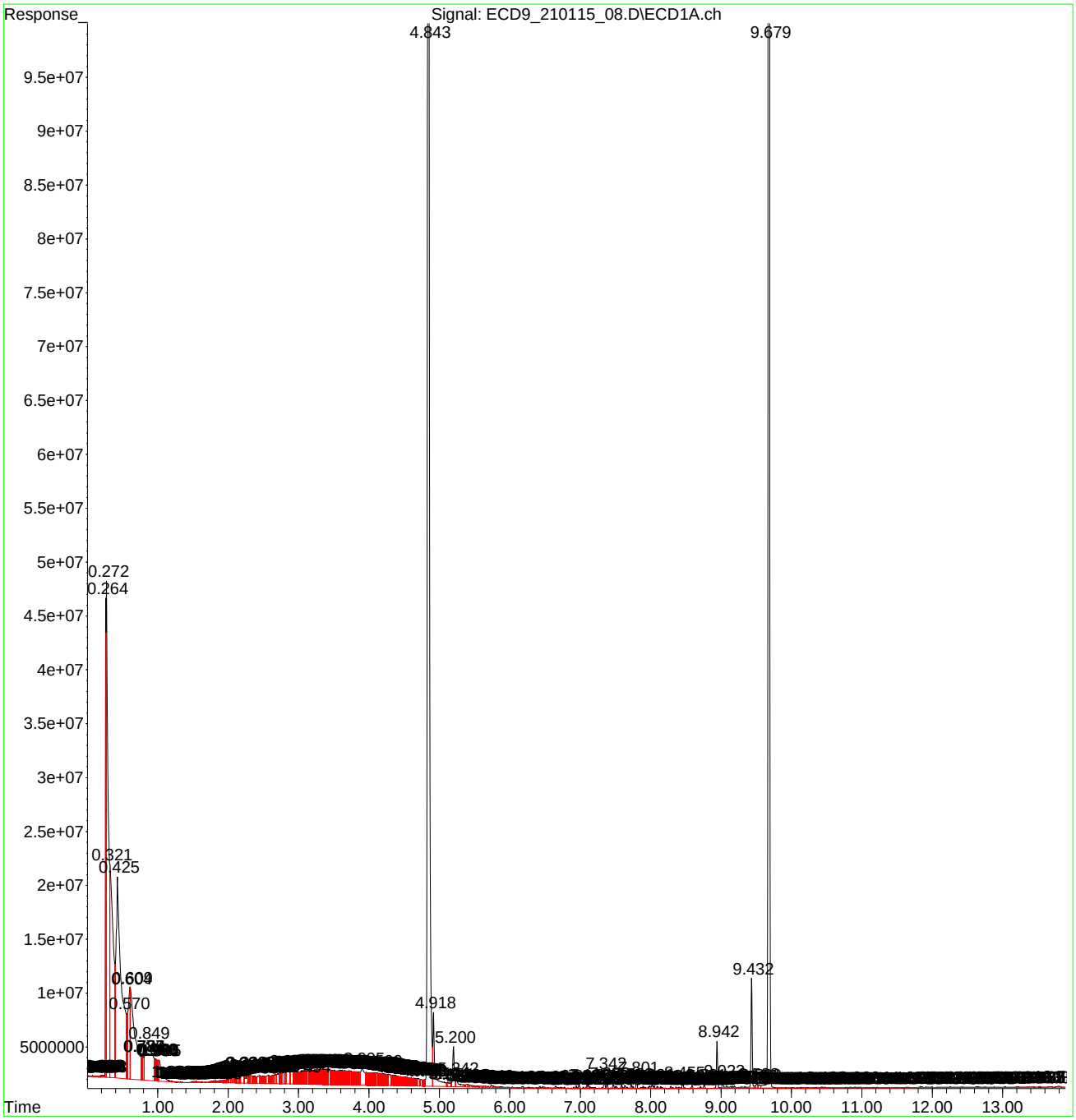
Data Path : W:\1\data\1A15008\
Data File : ECD9_210115_08.D
Signal(s) : ECD1A.ch
Acq On : 15 Jan 2021 09:11
Operator : KAK
Sample : A0K0482-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 15 14:03:25 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3_MI2
... .M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



File :W:\1\data\1A15008\ECD9_210115_08.D
Operator : KAK
Acquired : 15 Jan 2021 09:11 using AcqMethod ECD9_ACQ_PCBS_200831.M
Instrument : DUALECD9
Sample Name: A0K0482-01
Misc Info :
Vial Number: 4



Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15008\
Data File : ECD9_210115_12.D
Signal(s) : ECD1A.ch
Acq On : 15 Jan 2021 09:47
Operator : KAK
Sample : A0K0482-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 15 14:09:57 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
1) S	TCMX (S)	4.840	280055555	177.584 ng/ml
64) S	DCBP (S)	9.674	290699794	225.039 ng/ml
	Target Compounds			
2)	Aroclor 1016 (1)	5.750	43823	0.661 ng/ml
3)	Aroclor 1016 (2)	6.183	42273	0.369 ng/ml
4)	Aroclor 1016 (3)	6.261	15738	0.234 ng/ml
5)	Aroclor 1016 (4)	6.426	27679	0.489 ng/ml
6)	Aroclor 1016 (5)	6.648	26369	0.393 ng/ml
7)	Aroclor 1016 (6)	6.777	35345	0.770 ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9)	Aroclor 1221 (1)	5.197	3562393	185.822 ng/ml
10)	Aroclor 1221 (2)	5.319	16140	1.270 ng/ml
11)	Aroclor 1221 (3)	5.405	46928	1.158 ng/ml
12)	Aroclor 1221 (4)	5.879	10117	1.508 ng/ml
13)	Aroclor 1221 (5)	6.183	42273	5.638 ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15)	Aroclor 1232 (1)	5.405	46928	1.359 ng/ml
16)	Aroclor 1232 (2)	6.183	42273	0.970 ng/ml
17)	Aroclor 1232 (3)	6.261	15738	0.634 ng/ml
18)	Aroclor 1232 (4)	6.426	27679	1.632 ng/ml
19)	Aroclor 1232 (5)	6.648	26369	1.162 ng/ml
20)	Aroclor 1232 (6)	6.777	35345	2.003 ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22)	Aroclor 1242 (1)	5.750	43823	0.974 ng/ml
23)	Aroclor 1242 (2)	6.183	42273	0.538 ng/ml
24)	Aroclor 1242 (3)	6.261	15738	0.342 ng/ml
25)	Aroclor 1242 (4)	6.426	27679	0.795 ng/ml

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15008\
Data File : ECD9_210115_12.D
Signal(s) : ECD1A.ch
Acq On : 15 Jan 2021 09:47
Operator : KAK
Sample : A0K0482-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 15 14:09:57 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
26)	Aroclor 1242 (5)	6.648	26369	0.590 ng/ml
27)	Aroclor 1242 (6)	6.777	35345	0.965 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.183	42273	0.895 ng/ml
30)	Aroclor 1248 (2)	6.426	27679	0.436 ng/ml
31)	Aroclor 1248 (3)	6.648	26369	0.337 ng/ml
32)	Aroclor 1248 (4)	6.944	38129	0.436 ng/ml
33)	Aroclor 1248 (5)	6.981	54225	0.599 ng/ml
34)	Aroclor 1248 (6)	7.467	51847	1.158 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	6.981	54225	0.619 ng/ml
37)	Aroclor 1254 (2)	7.097	86840	0.854 ng/ml
38)	Aroclor 1254 (3)	7.467	51847	0.332 ng/ml
39)	Aroclor 1254 (4)	7.633	34645	0.339 ng/ml
40)	Aroclor 1254 (5)	8.028	156625	1.521 ng/ml
41)	Aroclor 1254 (6)	8.316	14499	0.438 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	7.586	47698	0.396 ng/ml
44)	Aroclor 1260 (2)	7.721	63154	0.426 ng/ml
45)	Aroclor 1260 (3)	8.280	44482	0.400 ng/ml
46)	Aroclor 1260 (4)	8.450	340847	1.355 ng/ml
47)	Aroclor 1260 (5)	8.756	99068	0.606 ng/ml
48)	Aroclor 1260 (6)	9.160	89297	1.328 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	7.721	63154	0.608 ng/ml
51)	Aroclor 1262 (2)	8.028	156625	1.061 ng/ml
52)	Aroclor 1262 (3)	8.280	44482	0.357 ng/ml
53)	Aroclor 1262 (4)	8.450	340847	1.304 ng/ml
54)	Aroclor 1262 (5)	8.756	99068	0.628 ng/ml
55)	Aroclor 1262 (6)	9.160	89297	1.078 ng/ml

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15008\
Data File : ECD9_210115_12.D
Signal(s) : ECD1A.ch
Acq On : 15 Jan 2021 09:47
Operator : KAK
Sample : A0K0482-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 15 14:09:57 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	8.280	44482	0.659	ng/ml
58)	Aroclor 1268 (2)	8.706	69686	0.235	ng/ml
59)	Aroclor 1268 (3)	8.756	99068	0.409	ng/ml
60)	Aroclor 1268 (4)	8.939	4926203	21.653	ng/ml
61)	Aroclor 1268 (5)	9.160	89297	0.967	ng/ml
62)	Aroclor 1268 (6)	9.428	10792676	17.515	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

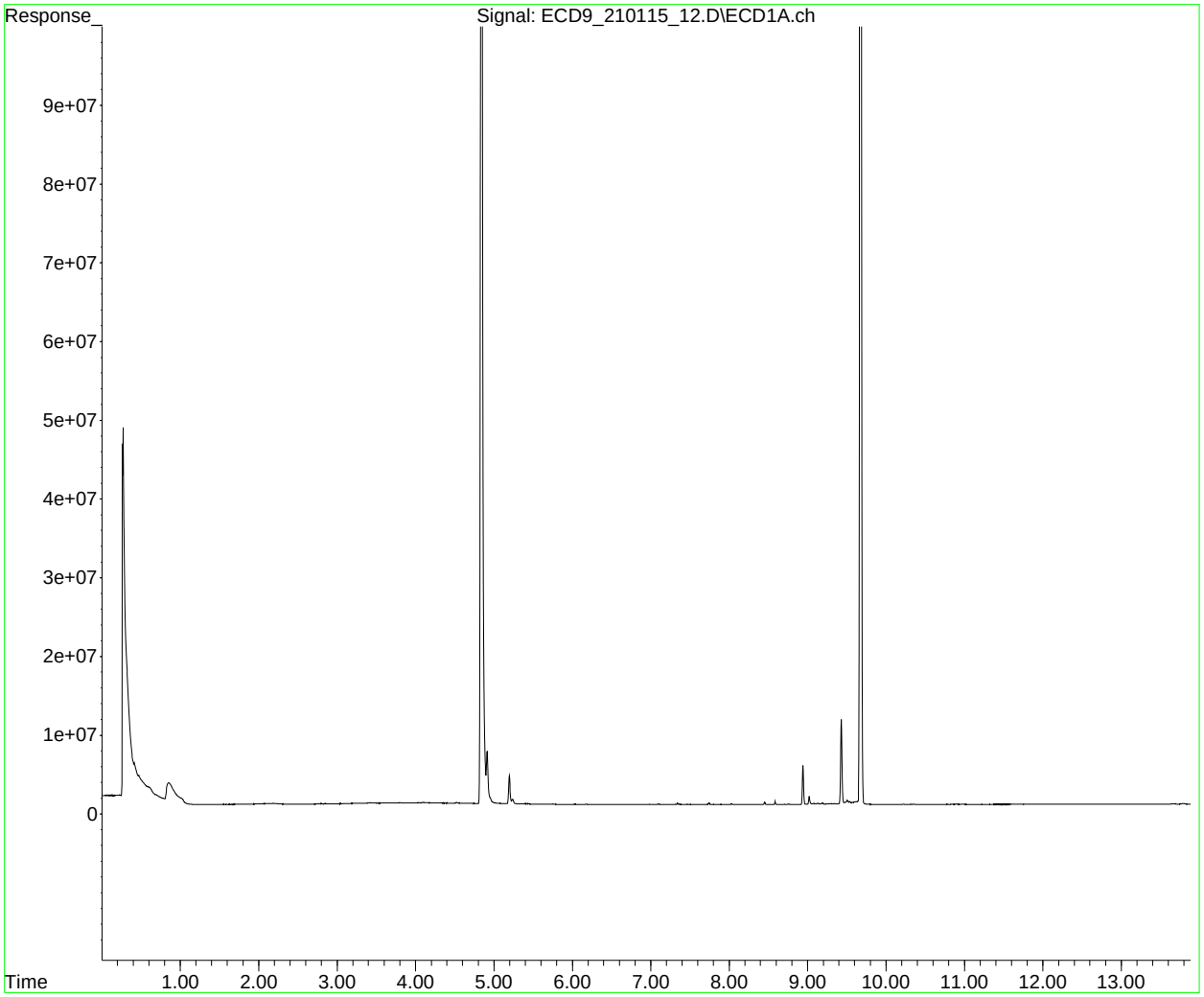
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15008\
Data File : ECD9_210115_12.D
Signal(s) : ECD1A.ch
Acq On : 15 Jan 2021 09:47
Operator : KAK
Sample : A0K0482-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 15 14:09:57 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A15008\
Data File : ECD9_210115_12.D
Signal(s) : ECD1A.ch
Acq On : 15 Jan 2021 09:47
Operator : KAK
Sample : A0K0482-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

KAK 1/15/21

Integration File: PCB1.e
Quant Time: Jan 15 14:09:57 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
1) S	TCMX (S)	4.840	280055555	177.584 ng/ml
64) S	DCBP (S)	9.674	290699794	225.039 ng/ml
	Target Compounds			
2)	Aroclor 1016 (1)	5.750	43823	0.661 ng/ml
3)	Aroclor 1016 (2)	6.183	42273	0.369 ng/ml
4)	Aroclor 1016 (3)	6.261	15738	0.234 ng/ml
5)	Aroclor 1016 (4)	6.426	27679	0.489 ng/ml
6)	Aroclor 1016 (5)	6.648	26369	0.393 ng/ml
7)	Aroclor 1016 (6)	6.777	35345	0.770 ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9)	Aroclor 1221 (1)	5.197	3562393	185.822 ng/ml
10)	Aroclor 1221 (2)	5.319	16140	1.270 ng/ml
11)	Aroclor 1221 (3)	5.405	46928	1.158 ng/ml
12)	Aroclor 1221 (4)	5.879	10117	1.508 ng/ml
13)	Aroclor 1221 (5)	6.183	42273	5.638 ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15)	Aroclor 1232 (1)	5.405	46928	1.359 ng/ml
16)	Aroclor 1232 (2)	6.183	42273	0.970 ng/ml
17)	Aroclor 1232 (3)	6.261	15738	0.634 ng/ml
18)	Aroclor 1232 (4)	6.426	27679	1.632 ng/ml
19)	Aroclor 1232 (5)	6.648	26369	1.162 ng/ml
20)	Aroclor 1232 (6)	6.777	35345	2.003 ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22)	Aroclor 1242 (1)	5.750	43823	0.974 ng/ml
23)	Aroclor 1242 (2)	6.183	42273	0.538 ng/ml
24)	Aroclor 1242 (3)	6.261	15738	0.342 ng/ml
25)	Aroclor 1242 (4)	6.426	27679	0.795 ng/ml

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A15008\
Data File : ECD9_210115_12.D
Signal(s) : ECD1A.ch
Acq On : 15 Jan 2021 09:47
Operator : KAK
Sample : A0K0482-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 15 14:09:57 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
26)	Aroclor 1242 (5)	6.648	26369	0.590 ng/ml
27)	Aroclor 1242 (6)	6.777	35345	0.965 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.183	42273	0.895 ng/ml
30)	Aroclor 1248 (2)	6.426	27679	0.436 ng/ml
31)	Aroclor 1248 (3)	6.648	26369	0.337 ng/ml
32)	Aroclor 1248 (4)	6.944	38129	0.436 ng/ml
33)	Aroclor 1248 (5)	6.981	54225	0.599 ng/ml
34)	Aroclor 1248 (6)	7.467	51847	1.158 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	6.981	54225	0.619 ng/ml
37)	Aroclor 1254 (2)	7.097	86840	0.854 ng/ml
38)	Aroclor 1254 (3)	7.467	51847	0.332 ng/ml
39)	Aroclor 1254 (4)	7.633	34645	0.339 ng/ml
40)	Aroclor 1254 (5)	8.028	156625	1.521 ng/ml
41)	Aroclor 1254 (6)	8.316	14499	0.438 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	7.586	47698	0.396 ng/ml
44)	Aroclor 1260 (2)	7.721	63154	0.426 ng/ml
45)	Aroclor 1260 (3)	8.280	44482	0.400 ng/ml
46)	Aroclor 1260 (4)	8.450	340847	1.355 ng/ml
47)	Aroclor 1260 (5)	8.756	99068	0.606 ng/ml
48)	Aroclor 1260 (6)	9.160	89297	1.328 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	7.721	63154	0.608 ng/ml
51)	Aroclor 1262 (2)	8.028	156625	1.061 ng/ml
52)	Aroclor 1262 (3)	8.280	44482	0.357 ng/ml
53)	Aroclor 1262 (4)	8.450	340847	1.304 ng/ml
54)	Aroclor 1262 (5)	8.756	99068	0.628 ng/ml
55)	Aroclor 1262 (6)	9.160	89297	1.078 ng/ml

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A15008\
Data File : ECD9_210115_12.D
Signal(s) : ECD1A.ch
Acq On : 15 Jan 2021 09:47
Operator : KAK
Sample : A0K0482-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 15 14:09:57 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	8.280	44482	0.659	ng/ml
58)	Aroclor 1268 (2)	8.706	69686	0.235	ng/ml
59)	Aroclor 1268 (3)	8.756	99068	0.409	ng/ml
60)	Aroclor 1268 (4)	8.939	4926203	21.653	ng/ml
61)	Aroclor 1268 (5)	9.160	89297	0.967	ng/ml
62)	Aroclor 1268 (6)	9.428	10792676	17.515	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

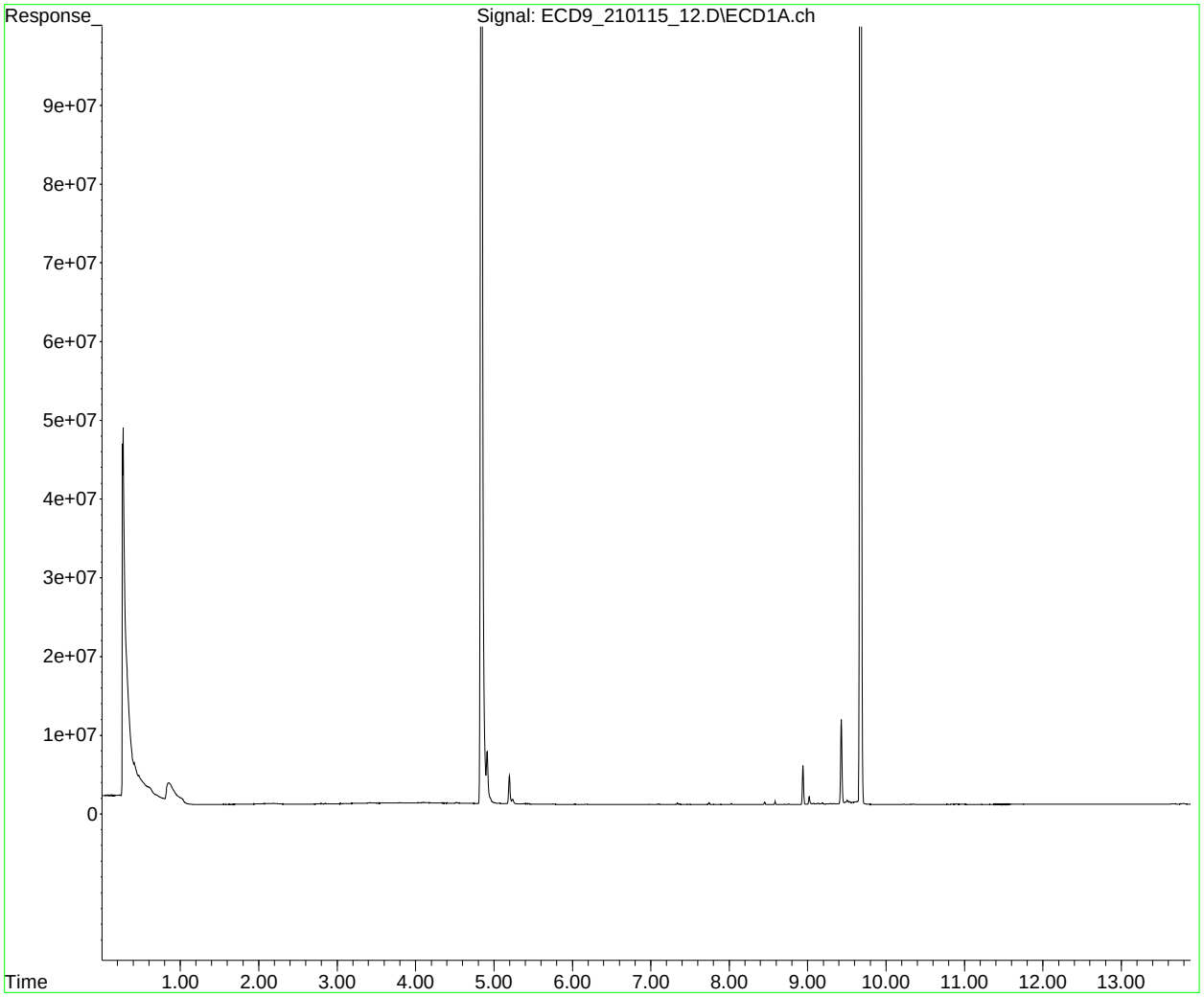
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A15008\
Data File : ECD9_210115_12.D
Signal(s) : ECD1A.ch
Acq On : 15 Jan 2021 09:47
Operator : KAK
Sample : A0K0482-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 15 14:09:57 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15008\
Data File : ECD9_210115_16.D
Signal(s) : ECD1A.ch
Acq On : 15 Jan 2021 10:26
Operator : KAK
Sample : A0K0482-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 15 14:10:48 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	4.840	277494671	175.961	ng/ml
64) S	DCBP (S)	9.676	277873146	215.110	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.750	95692	1.443	ng/ml
3)	Aroclor 1016 (2)	6.182	117664	1.028	ng/ml
4)	Aroclor 1016 (3)	6.264	68846	1.024	ng/ml
5)	Aroclor 1016 (4)	6.424	101667	1.797	ng/ml
6)	Aroclor 1016 (5)	6.649	96288	1.437	ng/ml
7)	Aroclor 1016 (6)	6.775	72868	1.586	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.197	3592692	187.402	ng/ml
10)	Aroclor 1221 (2)	5.322	54798	4.312	ng/ml
11)	Aroclor 1221 (3)	5.388	223976	5.526	ng/ml
12)	Aroclor 1221 (4)	5.872	20842	3.107	ng/ml
13)	Aroclor 1221 (5)	6.182	117664	15.693	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	5.388	223976	6.486	ng/ml
16)	Aroclor 1232 (2)	6.182	117664	2.700	ng/ml
17)	Aroclor 1232 (3)	6.264	68846	2.773	ng/ml
18)	Aroclor 1232 (4)	6.424	101667	5.995	ng/ml
19)	Aroclor 1232 (5)	6.649	96288	4.244	ng/ml
20)	Aroclor 1232 (6)	6.775	72868	4.129	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	5.750	95692	2.128	ng/ml
23)	Aroclor 1242 (2)	6.182	117664	1.498	ng/ml
24)	Aroclor 1242 (3)	6.264	68846	1.497	ng/ml
25)	Aroclor 1242 (4)	6.424	101667	2.922	ng/ml

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15008\
Data File : ECD9_210115_16.D
Signal(s) : ECD1A.ch
Acq On : 15 Jan 2021 10:26
Operator : KAK
Sample : A0K0482-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 15 14:10:48 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
26)	Aroclor 1242 (5)	6.649	96288	2.153 ng/ml
27)	Aroclor 1242 (6)	6.775	72868	1.989 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.182	117664	2.492 ng/ml
30)	Aroclor 1248 (2)	6.424	101667	1.603 ng/ml
31)	Aroclor 1248 (3)	6.649	96288	1.231 ng/ml
32)	Aroclor 1248 (4)	6.940	302800	3.461 ng/ml
33)	Aroclor 1248 (5)	6.981	176649	1.950 ng/ml
34)	Aroclor 1248 (6)	7.470	202639	4.524 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	6.981	176649	2.018 ng/ml
37)	Aroclor 1254 (2)	7.093	162245	1.596 ng/ml
38)	Aroclor 1254 (3)	7.470	202639	1.299 ng/ml
39)	Aroclor 1254 (4)	7.633	135246	1.324 ng/ml
40)	Aroclor 1254 (5)	8.021	177766	1.727 ng/ml
41)	Aroclor 1254 (6)	8.313	56303	1.700 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	7.586	183148	1.521 ng/ml
44)	Aroclor 1260 (2)	7.721	238005	1.606 ng/ml
45)	Aroclor 1260 (3)	8.281	102598	0.924 ng/ml
46)	Aroclor 1260 (4)	8.451	396342	1.576 ng/ml
47)	Aroclor 1260 (5)	8.758	181112	1.107 ng/ml
48)	Aroclor 1260 (6)	9.159	109699	1.632 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	7.721	238005	2.291 ng/ml
51)	Aroclor 1262 (2)	8.052	181620	1.230 ng/ml
52)	Aroclor 1262 (3)	8.281	102598	0.822 ng/ml
53)	Aroclor 1262 (4)	8.451	396342	1.517 ng/ml
54)	Aroclor 1262 (5)	8.758	181112	1.148 ng/ml
55)	Aroclor 1262 (6)	9.159	109699	1.325 ng/ml

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15008\
Data File : ECD9_210115_16.D
Signal(s) : ECD1A.ch
Acq On : 15 Jan 2021 10:26
Operator : KAK
Sample : A0K0482-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 15 14:10:48 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	8.281	102598	1.519	ng/ml
58)	Aroclor 1268 (2)	8.706	102101	0.344	ng/ml
59)	Aroclor 1268 (3)	8.758	181112	0.747	ng/ml
60)	Aroclor 1268 (4)	8.939	4782974	21.024	ng/ml
61)	Aroclor 1268 (5)	9.159	109699	1.189	ng/ml
62)	Aroclor 1268 (6)	9.429	10275592	16.676	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

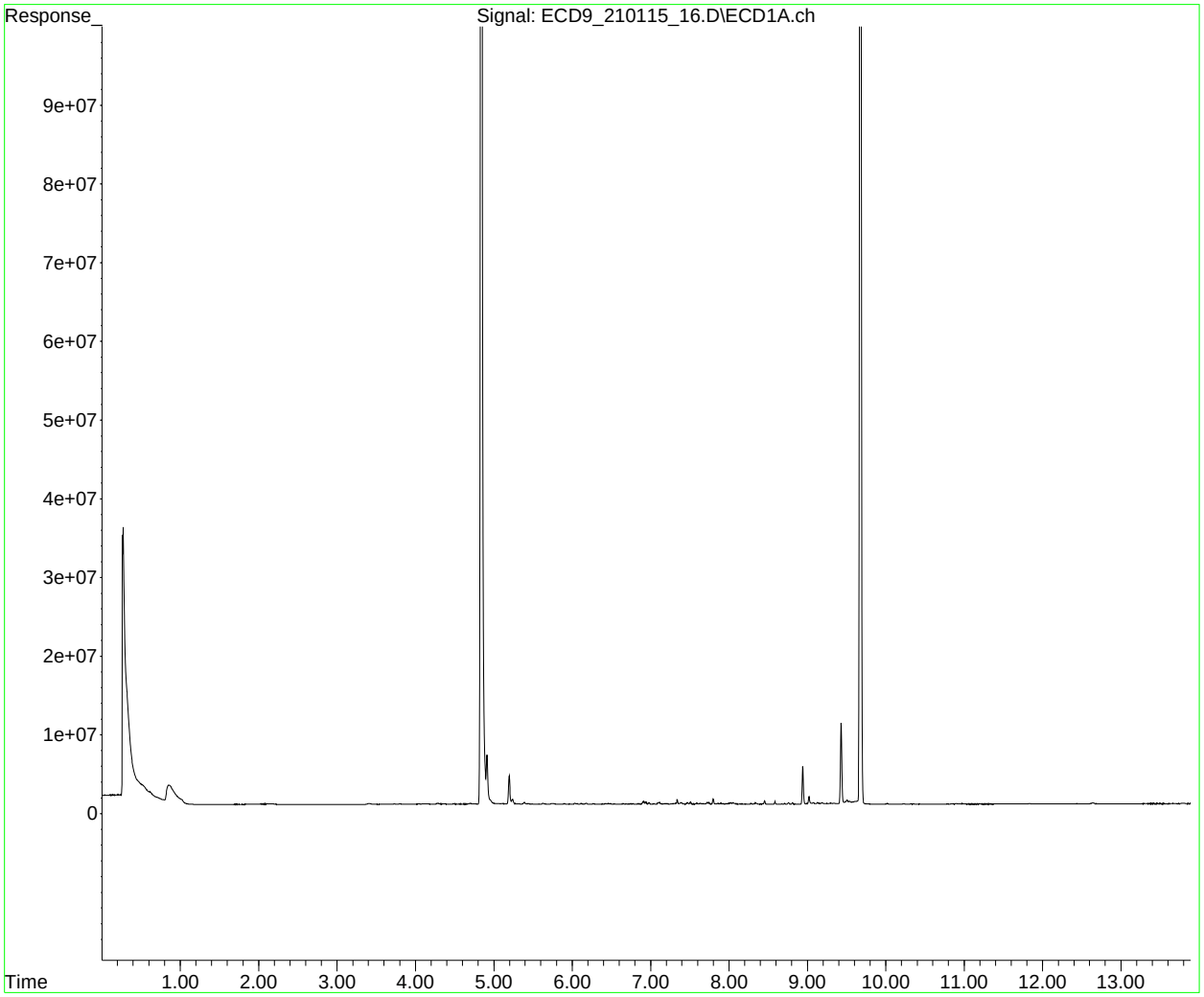
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15008\
Data File : ECD9_210115_16.D
Signal(s) : ECD1A.ch
Acq On : 15 Jan 2021 10:26
Operator : KAK
Sample : A0K0482-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 15 14:10:48 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A15008\
Data File : ECD9_210115_16.D
Signal(s) : ECD1A.ch
Acq On : 15 Jan 2021 10:26
Operator : KAK
Sample : A0K0482-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

KAK 1/15/21

Integration File: PCB1.e
Quant Time: Jan 15 14:10:48 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	4.840	277494671	175.961	ng/ml
64) S	DCBP (S)	9.676	277873146	215.110	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.750	95692	1.443	ng/ml
3)	Aroclor 1016 (2)	6.182	117664	1.028	ng/ml
4)	Aroclor 1016 (3)	6.264	68846	1.024	ng/ml
5)	Aroclor 1016 (4)	6.424	101667	1.797	ng/ml
6)	Aroclor 1016 (5)	6.649	96288	1.437	ng/ml
7)	Aroclor 1016 (6)	6.775	72868	1.586	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.197	3592692	187.402	ng/ml
10)	Aroclor 1221 (2)	5.322	54798	4.312	ng/ml
11)	Aroclor 1221 (3)	5.388	223976	5.526	ng/ml
12)	Aroclor 1221 (4)	5.872	20842	3.107	ng/ml
13)	Aroclor 1221 (5)	6.182	117664	15.693	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	5.388	223976	6.486	ng/ml
16)	Aroclor 1232 (2)	6.182	117664	2.700	ng/ml
17)	Aroclor 1232 (3)	6.264	68846	2.773	ng/ml
18)	Aroclor 1232 (4)	6.424	101667	5.995	ng/ml
19)	Aroclor 1232 (5)	6.649	96288	4.244	ng/ml
20)	Aroclor 1232 (6)	6.775	72868	4.129	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	5.750	95692	2.128	ng/ml
23)	Aroclor 1242 (2)	6.182	117664	1.498	ng/ml
24)	Aroclor 1242 (3)	6.264	68846	1.497	ng/ml
25)	Aroclor 1242 (4)	6.424	101667	2.922	ng/ml

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A15008\
Data File : ECD9_210115_16.D
Signal(s) : ECD1A.ch
Acq On : 15 Jan 2021 10:26
Operator : KAK
Sample : A0K0482-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 15 14:10:48 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
26)	Aroclor 1242 (5)	6.649	96288	2.153 ng/ml
27)	Aroclor 1242 (6)	6.775	72868	1.989 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.182	117664	2.492 ng/ml
30)	Aroclor 1248 (2)	6.424	101667	1.603 ng/ml
31)	Aroclor 1248 (3)	6.649	96288	1.231 ng/ml
32)	Aroclor 1248 (4)	6.940	302800	3.461 ng/ml
33)	Aroclor 1248 (5)	6.981	176649	1.950 ng/ml
34)	Aroclor 1248 (6)	7.470	202639	4.524 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	6.981	176649	2.018 ng/ml
37)	Aroclor 1254 (2)	7.093	162245	1.596 ng/ml
38)	Aroclor 1254 (3)	7.470	202639	1.299 ng/ml
39)	Aroclor 1254 (4)	7.633	135246	1.324 ng/ml
40)	Aroclor 1254 (5)	8.021	177766	1.727 ng/ml
41)	Aroclor 1254 (6)	8.313	56303	1.700 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	7.586	183148	1.521 ng/ml
44)	Aroclor 1260 (2)	7.721	238005	1.606 ng/ml
45)	Aroclor 1260 (3)	8.281	102598	0.924 ng/ml
46)	Aroclor 1260 (4)	8.451	396342	1.576 ng/ml
47)	Aroclor 1260 (5)	8.758	181112	1.107 ng/ml
48)	Aroclor 1260 (6)	9.159	109699	1.632 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	7.721	238005	2.291 ng/ml
51)	Aroclor 1262 (2)	8.052	181620	1.230 ng/ml
52)	Aroclor 1262 (3)	8.281	102598	0.822 ng/ml
53)	Aroclor 1262 (4)	8.451	396342	1.517 ng/ml
54)	Aroclor 1262 (5)	8.758	181112	1.148 ng/ml
55)	Aroclor 1262 (6)	9.159	109699	1.325 ng/ml

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A15008\
Data File : ECD9_210115_16.D
Signal(s) : ECD1A.ch
Acq On : 15 Jan 2021 10:26
Operator : KAK
Sample : A0K0482-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 15 14:10:48 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	8.281	102598	1.519	ng/ml
58)	Aroclor 1268 (2)	8.706	102101	0.344	ng/ml
59)	Aroclor 1268 (3)	8.758	181112	0.747	ng/ml
60)	Aroclor 1268 (4)	8.939	4782974	21.024	ng/ml
61)	Aroclor 1268 (5)	9.159	109699	1.189	ng/ml
62)	Aroclor 1268 (6)	9.429	10275592	16.676	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

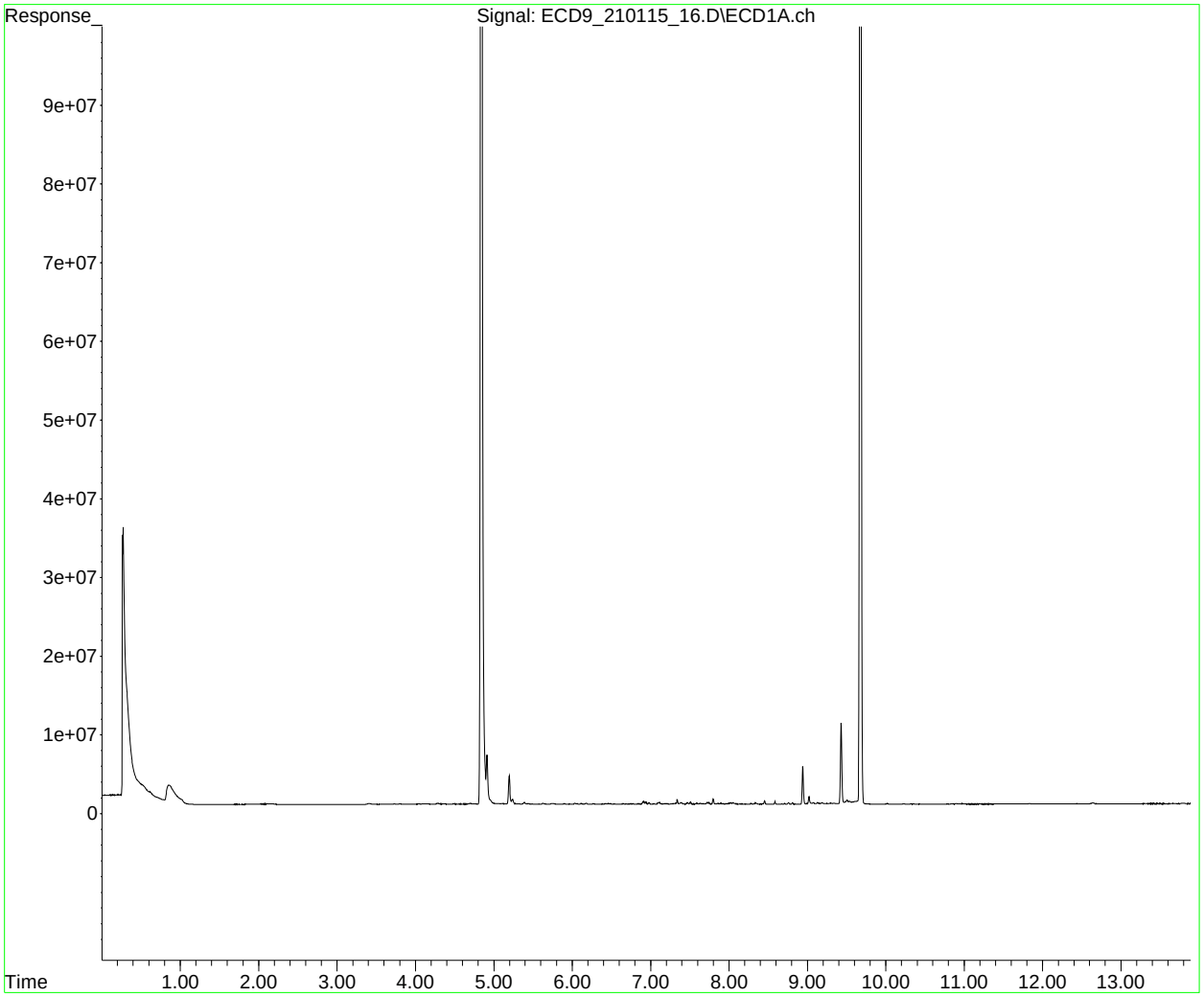
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A15008\
Data File : ECD9_210115_16.D
Signal(s) : ECD1A.ch
Acq On : 15 Jan 2021 10:26
Operator : KAK
Sample : A0K0482-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 15 14:10:48 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15008\
Data File : ECD9_210115_20.D
Signal(s) : ECD1A.ch
Acq On : 15 Jan 2021 11:02
Operator : KAK
Sample : A0K0482-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 15 14:15:41 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	4.840	298387435	189.209	ng/ml
64) S	DCBP (S)	9.676	299242216	231.652	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.752	80370	1.212	ng/ml
3)	Aroclor 1016 (2)	6.183	105271	0.920	ng/ml
4)	Aroclor 1016 (3)	6.265	57174	0.851	ng/ml
5)	Aroclor 1016 (4)	6.426	82478	1.458	ng/ml
6)	Aroclor 1016 (5)	6.650	93856	1.400	ng/ml
7)	Aroclor 1016 (6)	6.777	79368	1.728	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.197	3900126	203.438	ng/ml
10)	Aroclor 1221 (2)	5.319	34221	2.693	ng/ml
11)	Aroclor 1221 (3)	5.406	68676	1.694	ng/ml
12)	Aroclor 1221 (4)	5.889	27665	4.125	ng/ml
13)	Aroclor 1221 (5)	6.183	105271	14.041	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	5.406	68676	1.989	ng/ml
16)	Aroclor 1232 (2)	6.183	105271	2.416	ng/ml
17)	Aroclor 1232 (3)	6.265	57174	2.303	ng/ml
18)	Aroclor 1232 (4)	6.426	82478	4.863	ng/ml
19)	Aroclor 1232 (5)	6.650	93856	4.137	ng/ml
20)	Aroclor 1232 (6)	6.777	79368	4.498	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	5.752	80370	1.787	ng/ml
23)	Aroclor 1242 (2)	6.183	105271	1.341	ng/ml
24)	Aroclor 1242 (3)	6.265	57174	1.243	ng/ml
25)	Aroclor 1242 (4)	6.426	82478	2.370	ng/ml

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15008\
Data File : ECD9_210115_20.D
Signal(s) : ECD1A.ch
Acq On : 15 Jan 2021 11:02
Operator : KAK
Sample : A0K0482-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 15 14:15:41 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
26)	Aroclor 1242 (5)	6.650	93856	2.098 ng/ml
27)	Aroclor 1242 (6)	6.777	79368	2.166 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.183	105271	2.229 ng/ml
30)	Aroclor 1248 (2)	6.426	82478	1.300 ng/ml
31)	Aroclor 1248 (3)	6.650	93856	1.199 ng/ml
32)	Aroclor 1248 (4)	6.941	229566	2.624 ng/ml
33)	Aroclor 1248 (5)	6.982	204007	2.252 ng/ml
34)	Aroclor 1248 (6)	7.466	218108	4.870 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	6.982	204007	2.331 ng/ml
37)	Aroclor 1254 (2)	7.093	177568	1.747 ng/ml
38)	Aroclor 1254 (3)	7.466	218108	1.398 ng/ml
39)	Aroclor 1254 (4)	7.632	219621	2.149 ng/ml
40)	Aroclor 1254 (5)	8.019	234605	2.279 ng/ml
41)	Aroclor 1254 (6)	8.313	71412	2.157 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	7.587	210668	1.750 ng/ml
44)	Aroclor 1260 (2)	7.721	280314	1.891 ng/ml
45)	Aroclor 1260 (3)	8.284	143220	1.289 ng/ml
46)	Aroclor 1260 (4)	8.453	464525	1.847 ng/ml
47)	Aroclor 1260 (5)	8.758	256286	1.567 ng/ml
48)	Aroclor 1260 (6)	9.161	168158	2.502 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	7.721	280314	2.698 ng/ml
51)	Aroclor 1262 (2)	8.050	186684	1.264 ng/ml
52)	Aroclor 1262 (3)	8.284	143220	1.148 ng/ml
53)	Aroclor 1262 (4)	8.453	464525	1.777 ng/ml
54)	Aroclor 1262 (5)	8.758	256286	1.624 ng/ml
55)	Aroclor 1262 (6)	9.161	168158	2.030 ng/ml

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15008\
Data File : ECD9_210115_20.D
Signal(s) : ECD1A.ch
Acq On : 15 Jan 2021 11:02
Operator : KAK
Sample : A0K0482-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 15 14:15:41 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	8.284	143220	2.121	ng/ml
58)	Aroclor 1268 (2)	8.706	142961	0.482	ng/ml
59)	Aroclor 1268 (3)	8.758	256286	1.057	ng/ml
60)	Aroclor 1268 (4)	8.939	5065415	22.265	ng/ml
61)	Aroclor 1268 (5)	9.161	168158	1.822	ng/ml
62)	Aroclor 1268 (6)	9.429	10932822	17.742	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

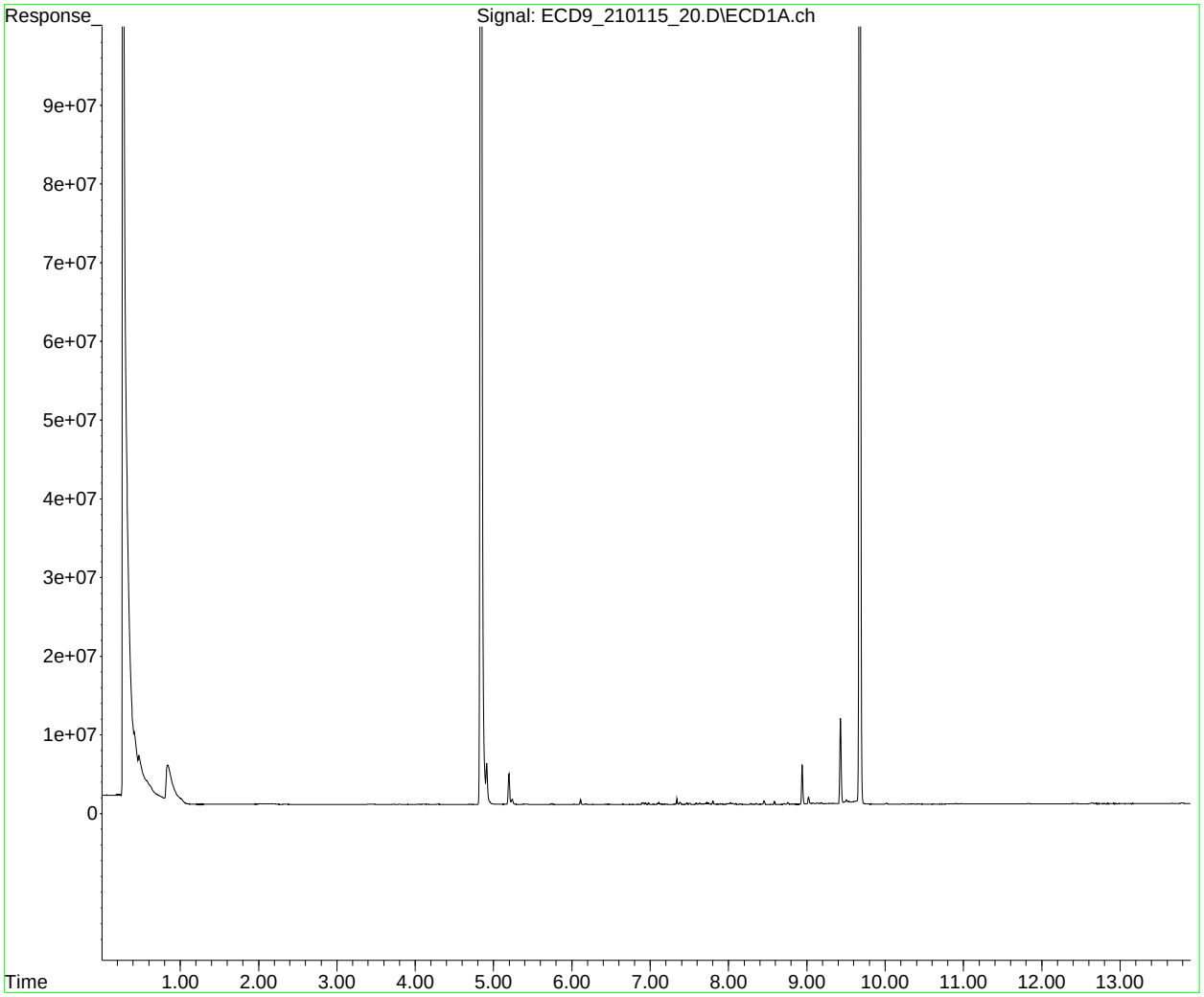
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15008\
Data File : ECD9_210115_20.D
Signal(s) : ECD1A.ch
Acq On : 15 Jan 2021 11:02
Operator : KAK
Sample : A0K0482-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 15 14:15:41 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A15008\
Data File : ECD9_210115_20.D
Signal(s) : ECD1A.ch
Acq On : 15 Jan 2021 11:02
Operator : KAK
Sample : A0K0482-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

KAK 1/15/21

Integration File: PCB1.e
Quant Time: Jan 15 14:15:41 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	4.840	298387435	189.209	ng/ml
64) S	DCBP (S)	9.676	299242216	231.652	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.752	80370	1.212	ng/ml
3)	Aroclor 1016 (2)	6.183	105271	0.920	ng/ml
4)	Aroclor 1016 (3)	6.265	57174	0.851	ng/ml
5)	Aroclor 1016 (4)	6.426	82478	1.458	ng/ml
6)	Aroclor 1016 (5)	6.650	93856	1.400	ng/ml
7)	Aroclor 1016 (6)	6.777	79368	1.728	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.197	3900126	203.438	ng/ml
10)	Aroclor 1221 (2)	5.319	34221	2.693	ng/ml
11)	Aroclor 1221 (3)	5.406	68676	1.694	ng/ml
12)	Aroclor 1221 (4)	5.889	27665	4.125	ng/ml
13)	Aroclor 1221 (5)	6.183	105271	14.041	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	5.406	68676	1.989	ng/ml
16)	Aroclor 1232 (2)	6.183	105271	2.416	ng/ml
17)	Aroclor 1232 (3)	6.265	57174	2.303	ng/ml
18)	Aroclor 1232 (4)	6.426	82478	4.863	ng/ml
19)	Aroclor 1232 (5)	6.650	93856	4.137	ng/ml
20)	Aroclor 1232 (6)	6.777	79368	4.498	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	5.752	80370	1.787	ng/ml
23)	Aroclor 1242 (2)	6.183	105271	1.341	ng/ml
24)	Aroclor 1242 (3)	6.265	57174	1.243	ng/ml
25)	Aroclor 1242 (4)	6.426	82478	2.370	ng/ml

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A15008\
Data File : ECD9_210115_20.D
Signal(s) : ECD1A.ch
Acq On : 15 Jan 2021 11:02
Operator : KAK
Sample : A0K0482-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 15 14:15:41 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
26)	Aroclor 1242 (5)	6.650	93856	2.098 ng/ml
27)	Aroclor 1242 (6)	6.777	79368	2.166 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.183	105271	2.229 ng/ml
30)	Aroclor 1248 (2)	6.426	82478	1.300 ng/ml
31)	Aroclor 1248 (3)	6.650	93856	1.199 ng/ml
32)	Aroclor 1248 (4)	6.941	229566	2.624 ng/ml
33)	Aroclor 1248 (5)	6.982	204007	2.252 ng/ml
34)	Aroclor 1248 (6)	7.466	218108	4.870 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	6.982	204007	2.331 ng/ml
37)	Aroclor 1254 (2)	7.093	177568	1.747 ng/ml
38)	Aroclor 1254 (3)	7.466	218108	1.398 ng/ml
39)	Aroclor 1254 (4)	7.632	219621	2.149 ng/ml
40)	Aroclor 1254 (5)	8.019	234605	2.279 ng/ml
41)	Aroclor 1254 (6)	8.313	71412	2.157 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	7.587	210668	1.750 ng/ml
44)	Aroclor 1260 (2)	7.721	280314	1.891 ng/ml
45)	Aroclor 1260 (3)	8.284	143220	1.289 ng/ml
46)	Aroclor 1260 (4)	8.453	464525	1.847 ng/ml
47)	Aroclor 1260 (5)	8.758	256286	1.567 ng/ml
48)	Aroclor 1260 (6)	9.161	168158	2.502 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	7.721	280314	2.698 ng/ml
51)	Aroclor 1262 (2)	8.050	186684	1.264 ng/ml
52)	Aroclor 1262 (3)	8.284	143220	1.148 ng/ml
53)	Aroclor 1262 (4)	8.453	464525	1.777 ng/ml
54)	Aroclor 1262 (5)	8.758	256286	1.624 ng/ml
55)	Aroclor 1262 (6)	9.161	168158	2.030 ng/ml

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A15008\
Data File : ECD9_210115_20.D
Signal(s) : ECD1A.ch
Acq On : 15 Jan 2021 11:02
Operator : KAK
Sample : A0K0482-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 15 14:15:41 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	8.284	143220	2.121	ng/ml
58)	Aroclor 1268 (2)	8.706	142961	0.482	ng/ml
59)	Aroclor 1268 (3)	8.758	256286	1.057	ng/ml
60)	Aroclor 1268 (4)	8.939	5065415	22.265	ng/ml
61)	Aroclor 1268 (5)	9.161	168158	1.822	ng/ml
62)	Aroclor 1268 (6)	9.429	10932822	17.742	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

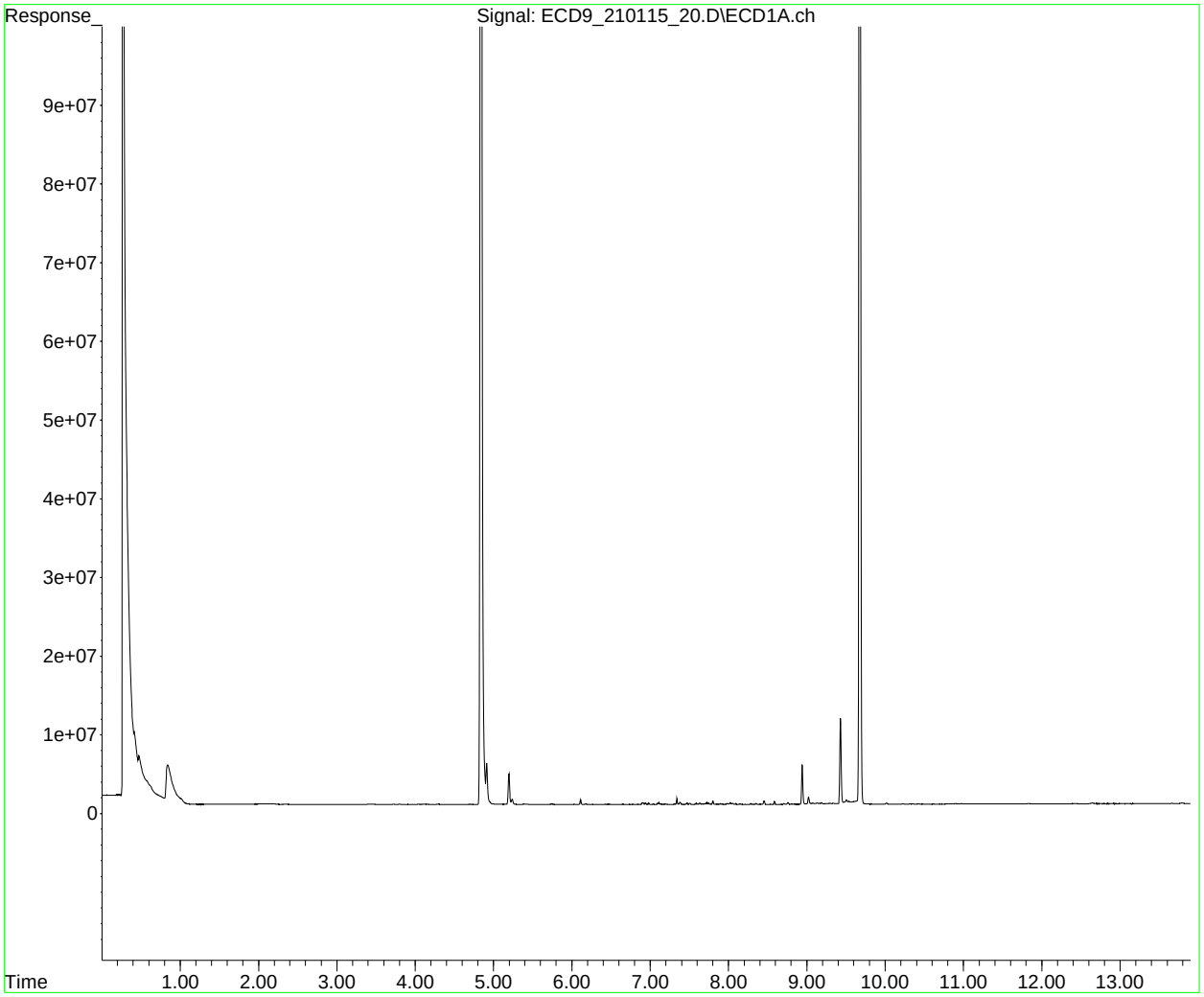
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A15008\
Data File : ECD9_210115_20.D
Signal(s) : ECD1A.ch
Acq On : 15 Jan 2021 11:02
Operator : KAK
Sample : A0K0482-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 15 14:15:41 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15008\
Data File : ECD9_210115_24.D
Signal(s) : ECD1A.ch
Acq On : 15 Jan 2021 11:40
Operator : KAK
Sample : A0K0482-10
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 15 14:16:25 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	4.839	274708306	174.194	ng/ml
64) S	DCBP (S)	9.675	279603524	216.449	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.777	27351	0.413	ng/ml
3)	Aroclor 1016 (2)	6.183	79517	0.695	ng/ml
4)	Aroclor 1016 (3)	6.263	37016	0.551	ng/ml
5)	Aroclor 1016 (4)	6.424	41915	0.741	ng/ml
6)	Aroclor 1016 (5)	6.647	53733	0.802	ng/ml
7)	Aroclor 1016 (6)	6.775	64629	1.407	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.197	3591171	187.323	ng/ml
10)	Aroclor 1221 (2)	5.314	28004	2.204	ng/ml
11)	Aroclor 1221 (3)	5.410	49261	1.215	ng/ml
12)	Aroclor 1221 (4)	5.884	13196	1.967	ng/ml
13)	Aroclor 1221 (5)	6.183	79517	10.606	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	5.410	49261	1.427	ng/ml
16)	Aroclor 1232 (2)	6.183	79517	1.825	ng/ml
17)	Aroclor 1232 (3)	6.263	37016	1.491	ng/ml
18)	Aroclor 1232 (4)	6.424	41915	2.471	ng/ml
19)	Aroclor 1232 (5)	6.647	53733	2.368	ng/ml
20)	Aroclor 1232 (6)	6.775	64629	3.662	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	5.777	27351	0.608	ng/ml
23)	Aroclor 1242 (2)	6.183	79517	1.013	ng/ml
24)	Aroclor 1242 (3)	6.263	37016	0.805	ng/ml
25)	Aroclor 1242 (4)	6.424	41915	1.205	ng/ml

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15008\
Data File : ECD9_210115_24.D
Signal(s) : ECD1A.ch
Acq On : 15 Jan 2021 11:40
Operator : KAK
Sample : A0K0482-10
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 15 14:16:25 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
26)	Aroclor 1242 (5)	6.647	53733	1.201 ng/ml
27)	Aroclor 1242 (6)	6.775	64629	1.764 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.183	79517	1.684 ng/ml
30)	Aroclor 1248 (2)	6.424	41915	0.661 ng/ml
31)	Aroclor 1248 (3)	6.647	53733	0.687 ng/ml
32)	Aroclor 1248 (4)	6.944	120629	1.379 ng/ml
33)	Aroclor 1248 (5)	6.984	138799	1.532 ng/ml
34)	Aroclor 1248 (6)	7.466	67361	1.504 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	6.984	138799	1.586 ng/ml
37)	Aroclor 1254 (2)	7.091	43032	0.423 ng/ml
38)	Aroclor 1254 (3)	7.466	67361	0.432 ng/ml
39)	Aroclor 1254 (4)	7.632	72102	0.706 ng/ml
40)	Aroclor 1254 (5)	8.028	154293	1.499 ng/ml
41)	Aroclor 1254 (6)	8.312	12508	0.378 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	7.590	24877	0.207 ng/ml
44)	Aroclor 1260 (2)	7.718	29322	0.198 ng/ml
45)	Aroclor 1260 (3)	8.279	40605	0.366 ng/ml
46)	Aroclor 1260 (4)	8.450	280231	1.114 ng/ml
47)	Aroclor 1260 (5)	8.755	80146	0.490 ng/ml
48)	Aroclor 1260 (6)	9.159	94943	1.412 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	7.718	29322	0.282 ng/ml
51)	Aroclor 1262 (2)	8.061	8912	0.060 ng/ml
52)	Aroclor 1262 (3)	8.279	40605	0.326 ng/ml
53)	Aroclor 1262 (4)	8.450	280231	1.072 ng/ml
54)	Aroclor 1262 (5)	8.755	80146	0.508 ng/ml
55)	Aroclor 1262 (6)	9.159	94943	1.146 ng/ml

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15008\
Data File : ECD9_210115_24.D
Signal(s) : ECD1A.ch
Acq On : 15 Jan 2021 11:40
Operator : KAK
Sample : A0K0482-10
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 15 14:16:25 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	8.279	40605	0.601	ng/ml
58)	Aroclor 1268 (2)	8.705	73568	0.248	ng/ml
59)	Aroclor 1268 (3)	8.755	80146	0.331	ng/ml
60)	Aroclor 1268 (4)	8.939	4911940	21.591	ng/ml
61)	Aroclor 1268 (5)	9.159	94943	1.029	ng/ml
62)	Aroclor 1268 (6)	9.428	10163202	16.493	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

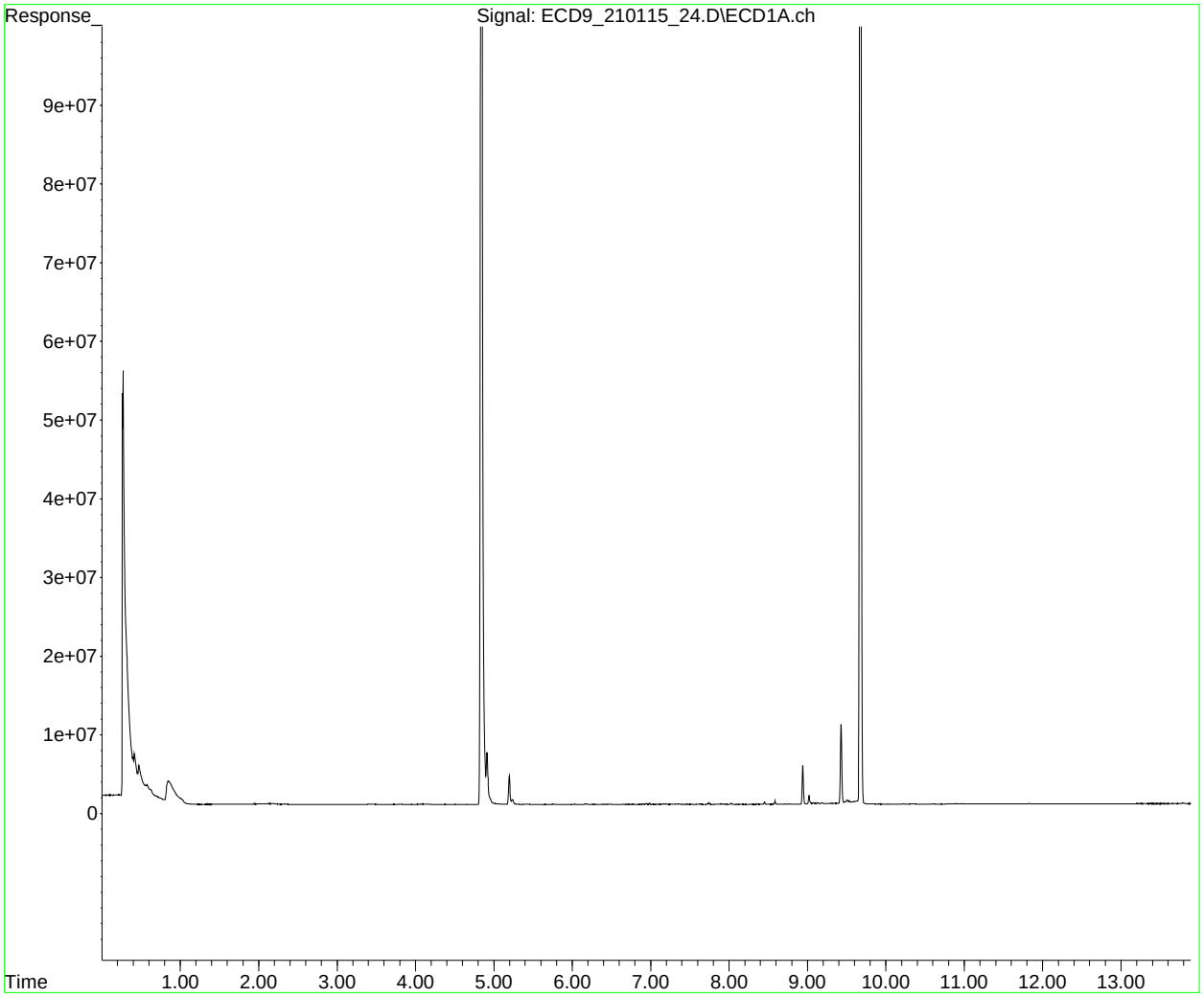
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15008\
Data File : ECD9_210115_24.D
Signal(s) : ECD1A.ch
Acq On : 15 Jan 2021 11:40
Operator : KAK
Sample : A0K0482-10
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 15 14:16:25 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A15008\
Data File : ECD9_210115_24.D
Signal(s) : ECD1A.ch
Acq On : 15 Jan 2021 11:40
Operator : KAK
Sample : A0K0482-10
Misc :
ALS Vial : 8 Sample Multiplier: 1

KAK 1/15/21

Integration File: PCB1.e
Quant Time: Jan 15 14:16:25 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	4.839	274708306	174.194	ng/ml
64) S	DCBP (S)	9.675	279603524	216.449	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.777	27351	0.413	ng/ml
3)	Aroclor 1016 (2)	6.183	79517	0.695	ng/ml
4)	Aroclor 1016 (3)	6.263	37016	0.551	ng/ml
5)	Aroclor 1016 (4)	6.424	41915	0.741	ng/ml
6)	Aroclor 1016 (5)	6.647	53733	0.802	ng/ml
7)	Aroclor 1016 (6)	6.775	64629	1.407	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.197	3591171	187.323	ng/ml
10)	Aroclor 1221 (2)	5.314	28004	2.204	ng/ml
11)	Aroclor 1221 (3)	5.410	49261	1.215	ng/ml
12)	Aroclor 1221 (4)	5.884	13196	1.967	ng/ml
13)	Aroclor 1221 (5)	6.183	79517	10.606	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	5.410	49261	1.427	ng/ml
16)	Aroclor 1232 (2)	6.183	79517	1.825	ng/ml
17)	Aroclor 1232 (3)	6.263	37016	1.491	ng/ml
18)	Aroclor 1232 (4)	6.424	41915	2.471	ng/ml
19)	Aroclor 1232 (5)	6.647	53733	2.368	ng/ml
20)	Aroclor 1232 (6)	6.775	64629	3.662	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	5.777	27351	0.608	ng/ml
23)	Aroclor 1242 (2)	6.183	79517	1.013	ng/ml
24)	Aroclor 1242 (3)	6.263	37016	0.805	ng/ml
25)	Aroclor 1242 (4)	6.424	41915	1.205	ng/ml

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A15008\
Data File : ECD9_210115_24.D
Signal(s) : ECD1A.ch
Acq On : 15 Jan 2021 11:40
Operator : KAK
Sample : A0K0482-10
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 15 14:16:25 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
26)	Aroclor 1242 (5)	6.647	53733	1.201 ng/ml
27)	Aroclor 1242 (6)	6.775	64629	1.764 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.183	79517	1.684 ng/ml
30)	Aroclor 1248 (2)	6.424	41915	0.661 ng/ml
31)	Aroclor 1248 (3)	6.647	53733	0.687 ng/ml
32)	Aroclor 1248 (4)	6.944	120629	1.379 ng/ml
33)	Aroclor 1248 (5)	6.984	138799	1.532 ng/ml
34)	Aroclor 1248 (6)	7.466	67361	1.504 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	6.984	138799	1.586 ng/ml
37)	Aroclor 1254 (2)	7.091	43032	0.423 ng/ml
38)	Aroclor 1254 (3)	7.466	67361	0.432 ng/ml
39)	Aroclor 1254 (4)	7.632	72102	0.706 ng/ml
40)	Aroclor 1254 (5)	8.028	154293	1.499 ng/ml
41)	Aroclor 1254 (6)	8.312	12508	0.378 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	7.590	24877	0.207 ng/ml
44)	Aroclor 1260 (2)	7.718	29322	0.198 ng/ml
45)	Aroclor 1260 (3)	8.279	40605	0.366 ng/ml
46)	Aroclor 1260 (4)	8.450	280231	1.114 ng/ml
47)	Aroclor 1260 (5)	8.755	80146	0.490 ng/ml
48)	Aroclor 1260 (6)	9.159	94943	1.412 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	7.718	29322	0.282 ng/ml
51)	Aroclor 1262 (2)	8.061	8912	0.060 ng/ml
52)	Aroclor 1262 (3)	8.279	40605	0.326 ng/ml
53)	Aroclor 1262 (4)	8.450	280231	1.072 ng/ml
54)	Aroclor 1262 (5)	8.755	80146	0.508 ng/ml
55)	Aroclor 1262 (6)	9.159	94943	1.146 ng/ml

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A15008\
Data File : ECD9_210115_24.D
Signal(s) : ECD1A.ch
Acq On : 15 Jan 2021 11:40
Operator : KAK
Sample : A0K0482-10
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 15 14:16:25 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	8.279	40605	0.601	ng/ml
58)	Aroclor 1268 (2)	8.705	73568	0.248	ng/ml
59)	Aroclor 1268 (3)	8.755	80146	0.331	ng/ml
60)	Aroclor 1268 (4)	8.939	4911940	21.591	ng/ml
61)	Aroclor 1268 (5)	9.159	94943	1.029	ng/ml
62)	Aroclor 1268 (6)	9.428	10163202	16.493	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

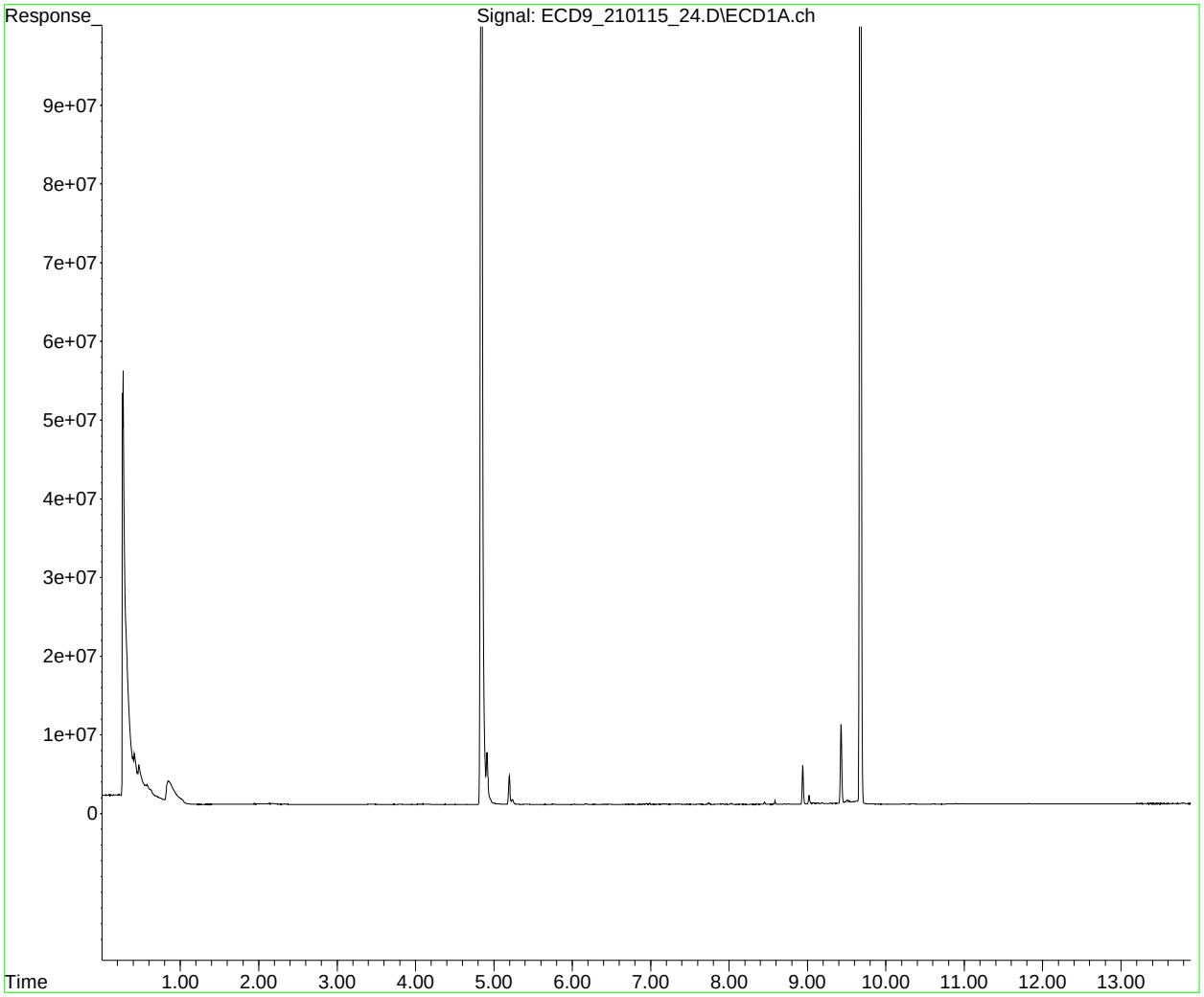
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A15008\
Data File : ECD9_210115_24.D
Signal(s) : ECD1A.ch
Acq On : 15 Jan 2021 11:40
Operator : KAK
Sample : A0K0482-10
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 15 14:16:25 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15008\
Data File : ECD9_210115_28.D
Signal(s) : ECD1A.ch
Acq On : 15 Jan 2021 12:16
Operator : KAK
Sample : A0K0482-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 15 14:17:36 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
1) S	TCMX (S)	4.838	320453834	203.201 ng/ml
64) S	DCBP (S)	9.675	278101705	215.287 ng/ml
	Target Compounds			
2)	Aroclor 1016 (1)	5.766	1096142	16.533 ng/ml
3)	Aroclor 1016 (2)	6.180	1265624	11.058 ng/ml
4)	Aroclor 1016 (3)	6.278	987689	14.697 ng/ml
5)	Aroclor 1016 (4)	6.426	2319584	41.005 ng/ml
6)	Aroclor 1016 (5)	6.654	4262356	63.594 ng/ml
7)	Aroclor 1016 (6)	6.777	1666082	36.273 ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9)	Aroclor 1221 (1)	5.195	4338196	226.289 ng/ml
10)	Aroclor 1221 (2)	5.338	304092	23.930 ng/ml
11)	Aroclor 1221 (3)	5.409	604157	14.905 ng/ml
12)	Aroclor 1221 (4)	5.879	1883138	280.764 ng/ml
13)	Aroclor 1221 (5)	6.180	1265624	168.803 ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15)	Aroclor 1232 (1)	5.409	604157	17.496 ng/ml
16)	Aroclor 1232 (2)	6.180	1265624	29.046 ng/ml
17)	Aroclor 1232 (3)	6.278	987689	39.783 ng/ml
18)	Aroclor 1232 (4)	6.426	2319584	136.771 ng/ml
19)	Aroclor 1232 (5)	6.654	4262356	187.872 ng/ml
20)	Aroclor 1232 (6)	6.777	1666082	94.412 ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22)	Aroclor 1242 (1)	5.766	1096142	24.371 ng/ml
23)	Aroclor 1242 (2)	6.180	1265624	16.117 ng/ml
24)	Aroclor 1242 (3)	6.278	987689	21.475 ng/ml
25)	Aroclor 1242 (4)	6.426	2319584	66.658 ng/ml

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15008\
Data File : ECD9_210115_28.D
Signal(s) : ECD1A.ch
Acq On : 15 Jan 2021 12:16
Operator : KAK
Sample : A0K0482-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 15 14:17:36 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
26)	Aroclor 1242 (5)	6.654	4262356	95.291	ng/ml
27)	Aroclor 1242 (6)	6.777	1666082	45.472	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.180	1265624	26.804	ng/ml
30)	Aroclor 1248 (2)	6.426	2319584	36.568	ng/ml
31)	Aroclor 1248 (3)	6.654	4262356	54.472	ng/ml
32)	Aroclor 1248 (4)	6.944	2385926	27.267	ng/ml
33)	Aroclor 1248 (5)	6.981	4362246	48.149	ng/ml
34)	Aroclor 1248 (6)	7.465	5996473	133.883	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	6.981	4362246	49.836	ng/ml
37)	Aroclor 1254 (2)	7.095	4445435	43.734	ng/ml
38)	Aroclor 1254 (3)	7.465	5996473	38.429	ng/ml
39)	Aroclor 1254 (4)	7.633	3868654	37.861	ng/ml
40)	Aroclor 1254 (5)	8.018	8998834	87.410	ng/ml
41)	Aroclor 1254 (6)	8.313	1393631	42.087	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	7.586	4702178	39.060	ng/ml
44)	Aroclor 1260 (2)	7.720	7116855	48.023	ng/ml
45)	Aroclor 1260 (3)	8.283	2672503	24.062	ng/ml
46)	Aroclor 1260 (4)	8.455	6320626	25.134	ng/ml
47)	Aroclor 1260 (5)	8.757	4826236	29.500	ng/ml
48)	Aroclor 1260 (6)	9.160	2083931	31.002	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	7.720	7116855	68.506	ng/ml
51)	Aroclor 1262 (2)	8.047	5191116	35.159	ng/ml
52)	Aroclor 1262 (3)	8.283	2672503	21.424	ng/ml
53)	Aroclor 1262 (4)	8.455	6320626	24.185	ng/ml
54)	Aroclor 1262 (5)	8.757	4826236	30.587	ng/ml
55)	Aroclor 1262 (6)	9.160	2083931	25.163	ng/ml

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15008\
Data File : ECD9_210115_28.D
Signal(s) : ECD1A.ch
Acq On : 15 Jan 2021 12:16
Operator : KAK
Sample : A0K0482-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 15 14:17:36 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	8.283	2672503	39.573	ng/ml
58)	Aroclor 1268 (2)	8.706	2400346	8.088	ng/ml
59)	Aroclor 1268 (3)	8.757	4826236	19.905	ng/ml
60)	Aroclor 1268 (4)	8.939	4714798	20.724	ng/ml
61)	Aroclor 1268 (5)	9.160	2083931	22.578	ng/ml
62)	Aroclor 1268 (6)	9.428	10625178	17.243	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

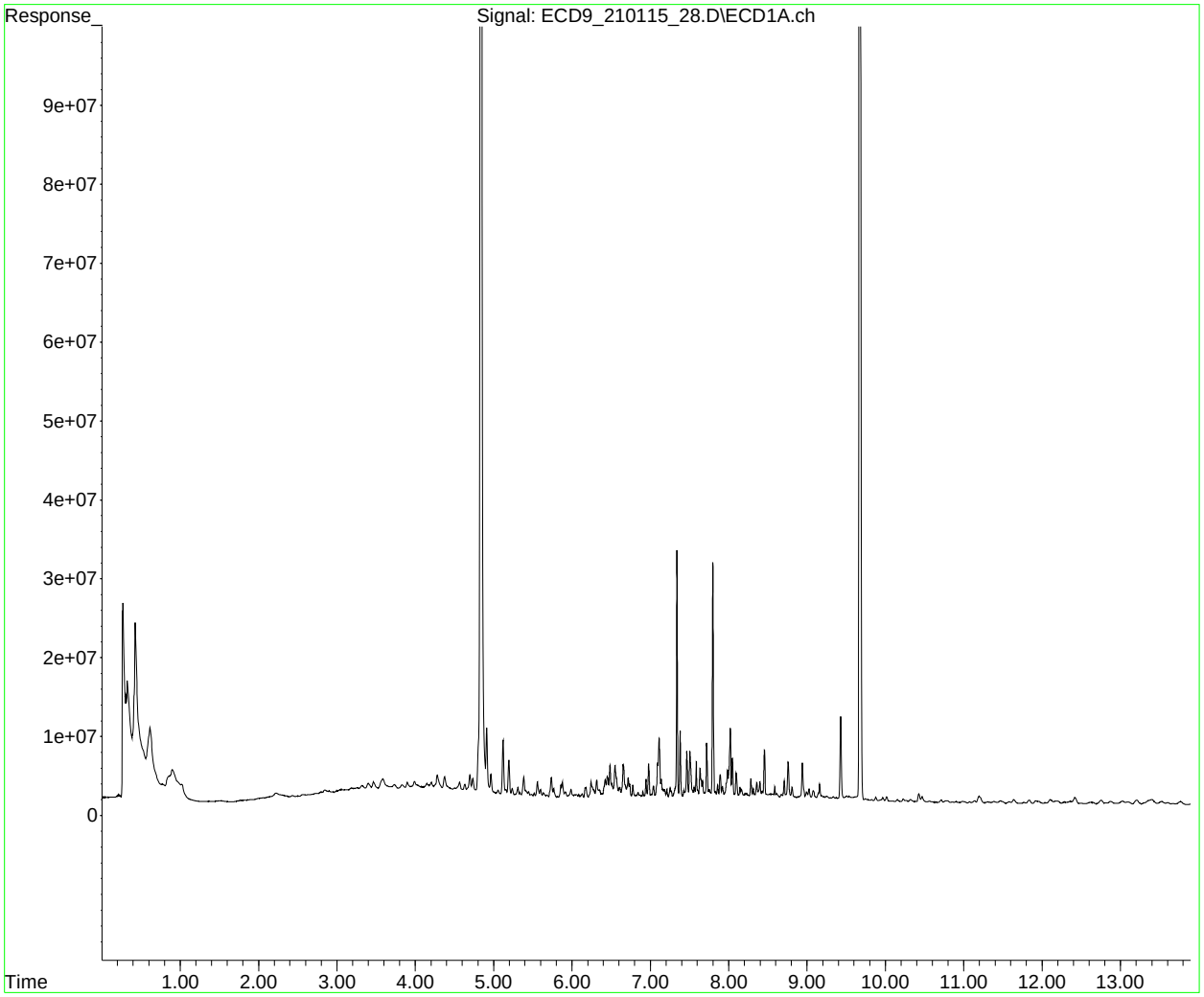
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15008\
Data File : ECD9_210115_28.D
Signal(s) : ECD1A.ch
Acq On : 15 Jan 2021 12:16
Operator : KAK
Sample : A0K0482-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 15 14:17:36 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



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File       :W:\1\data\1A15008\ECD9_210115_28.D
Operator   : KAK
Acquired   : 15 Jan 2021  12:16     using AcqMethod ECD9_ACQ_PCBS_200831.M
Instrument :   DUALECD9
Sample Name: A0K0482-11
Misc Info  :
Vial Number: 9
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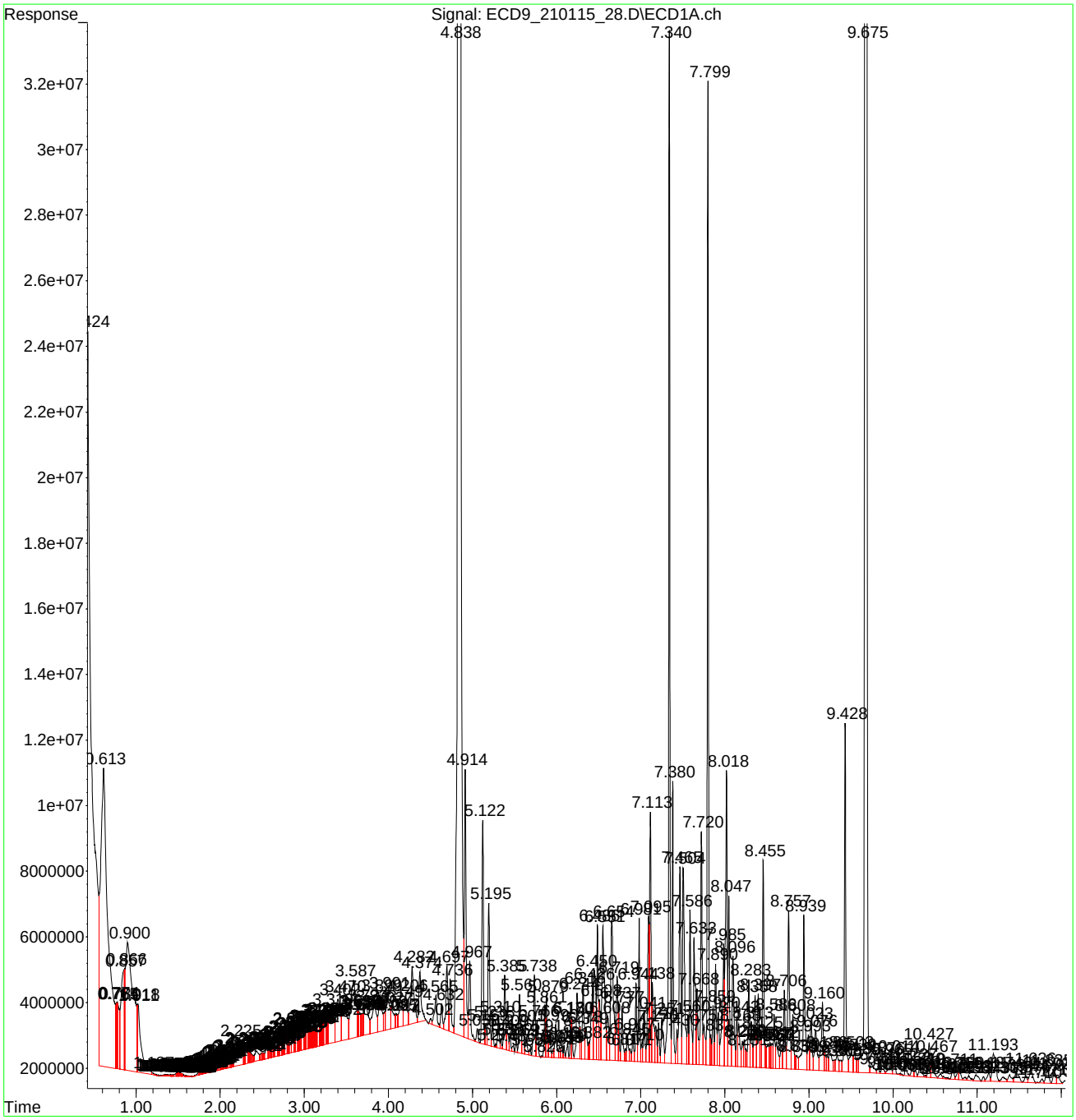
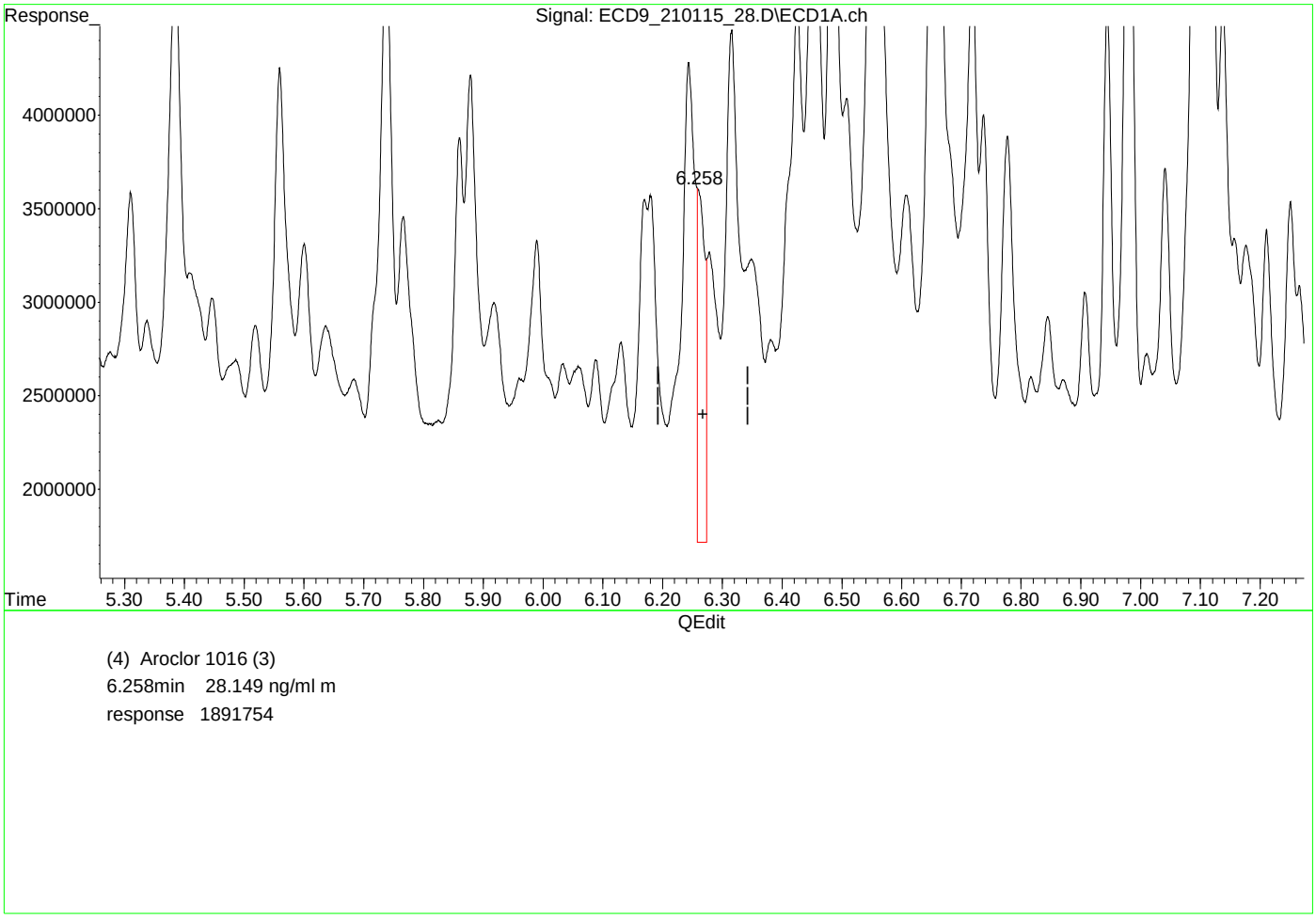


Quantitation Report (Qedit)

Data Path : W:\1\data\1A15008\
Data File : ECD9_210115_28.D
Signal(s) : ECD1A.ch
Acq On : 15 Jan 2021 12:16
Operator : KAK
Sample : A0K0482-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 15 14:20:26 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3_MI.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



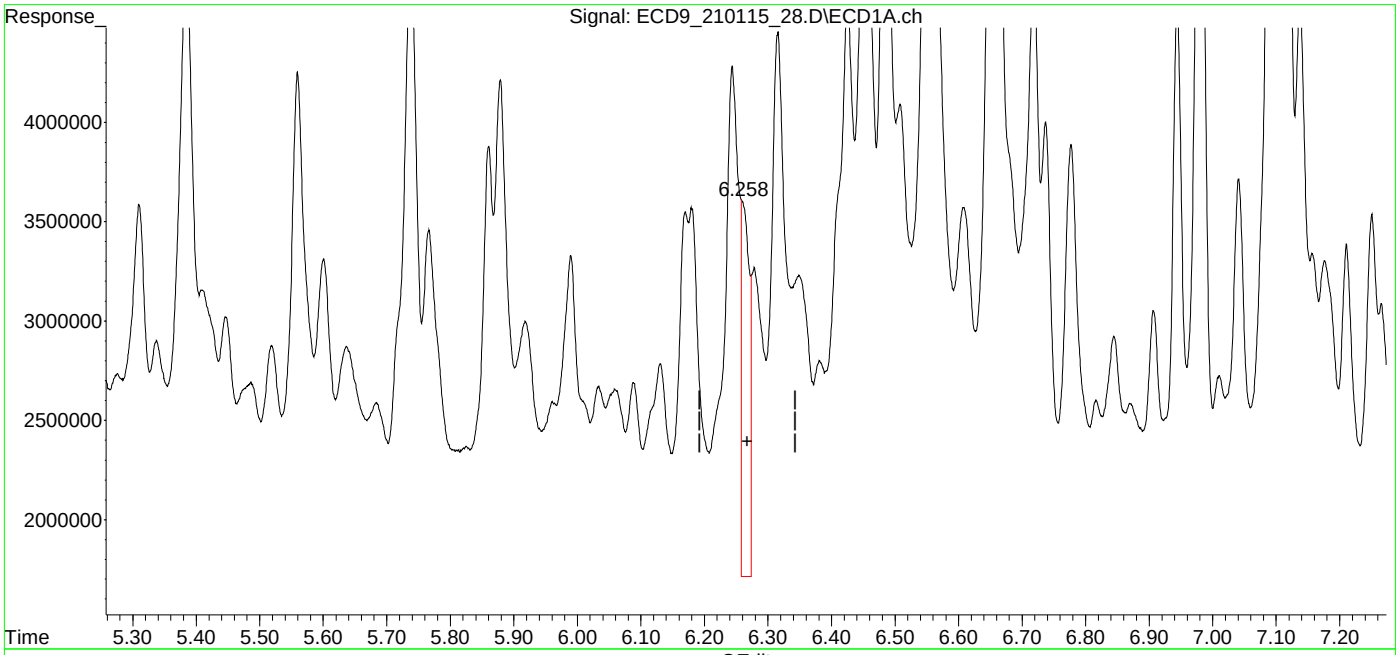
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : W:\1\data\1A15008\
Data File : ECD9_210115_28.D
Signal(s) : ECD1A.ch
Acq On : 15 Jan 2021 12:16
Operator : KAK
Sample : A0K0482-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 15 14:20:26 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3_MI.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



(17) Aroclor 1232 (3)
6.258min 76.340 ng/ml m
response 1895310

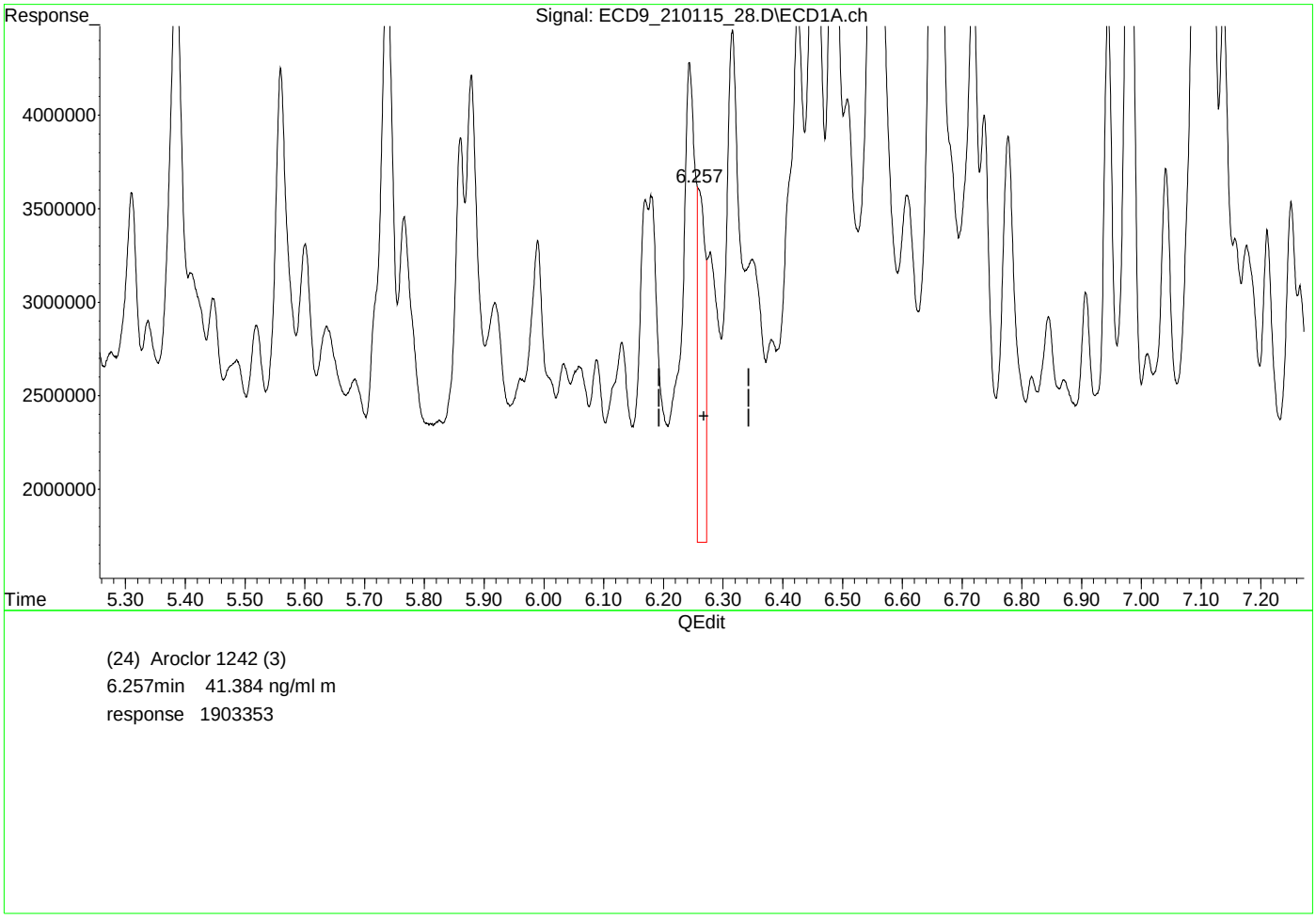
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : W:\1\data\1A15008\
Data File : ECD9_210115_28.D
Signal(s) : ECD1A.ch
Acq On : 15 Jan 2021 12:16
Operator : KAK
Sample : A0K0482-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 15 14:20:26 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3_MI.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



(+) = Expected Retention Time

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A15008\
Data File : ECD9_210115_28.D
Signal(s) : ECD1A.ch
Acq On : 15 Jan 2021 12:16
Operator : KAK
Sample : A0K0482-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

KAK 1/15/21

1254 P-12
1260 P-12

Integration File: PCB1.e
Quant Time: Jan 15 14:23:05 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3_MI.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units	
	System Monitoring Compounds					
1)	S TCMX (S)	4.838	321683968	203.981	ng/ml	
64)	S DCBP (S)	9.675	278397660	215.516	ng/ml	
	Target Compounds					
2)	Aroclor 1016 (1)	5.766	1717044	25.898	ng/ml	
3)	Aroclor 1016 (2)	6.180	1840425	16.081	ng/ml	
4)	Aroclor 1016 (3)	6.258	1891754	28.149	ng/mlm	R-02
5)	Aroclor 1016 (4)	6.426	2874793	50.819	ng/ml	
6)	Aroclor 1016 (5)	6.654	4799305	71.605	ng/ml	
7)	Aroclor 1016 (6)	6.777	2193234	47.750	ng/ml	
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml	
9)	Aroclor 1221 (1)	5.195	5263940	274.578	ng/ml	
10)	Aroclor 1221 (2)	5.338	1145003	90.104	ng/ml	
11)	Aroclor 1221 (3)	5.409	1402762	34.607	ng/ml	R-02
12)	Aroclor 1221 (4)	5.879	2481964	370.045	ng/ml	
13)	Aroclor 1221 (5)	6.180	1840425	245.468	ng/ml	
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml	
15)	Aroclor 1232 (1)	5.409	1402762	40.624	ng/ml	
16)	Aroclor 1232 (2)	6.180	1840425	42.238	ng/ml	
17)	Aroclor 1232 (3)	6.258	1895310	76.340	ng/mlm	R-02
18)	Aroclor 1232 (4)	6.426	2874793	169.508	ng/ml	
19)	Aroclor 1232 (5)	6.654	4799305	211.539	ng/ml	
20)	Aroclor 1232 (6)	6.777	2193234	124.284	ng/ml	
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml	
22)	Aroclor 1242 (1)	5.766	1717044	38.175	ng/ml	
23)	Aroclor 1242 (2)	6.180	1840425	23.437	ng/ml	
24)	Aroclor 1242 (3)	6.257	1903353	41.384	ng/mlm	R-02
25)	Aroclor 1242 (4)	6.426	2874793	82.613	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A15008\
Data File : ECD9_210115_28.D
Signal(s) : ECD1A.ch
Acq On : 15 Jan 2021 12:16
Operator : KAK
Sample : A0K0482-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 15 14:23:05 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3_MI.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units	
26)	Aroclor 1242 (5)	6.654	4799305	107.295	ng/ml	
27)	Aroclor 1242 (6)	6.777	2193234	59.859	ng/ml	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml	
29)	Aroclor 1248 (1)	6.180	1840425	38.977	ng/ml	
30)	Aroclor 1248 (2)	6.426	2874793	45.321	ng/ml	
31)	Aroclor 1248 (3)	6.654	4799305	61.334	ng/ml	R-02
32)	Aroclor 1248 (4)	6.944	2899739	33.139	ng/ml	
33)	Aroclor 1248 (5)	6.981	4873166	53.788	ng/ml	
34)	Aroclor 1248 (6)	7.465	6468728	144.427	ng/ml	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml	
36)	Aroclor 1254 (1)	6.981	4873166	55.673	ng/ml	
37)	Aroclor 1254 (2)	7.095	4947268	48.671	ng/ml	
38)	Aroclor 1254 (3)	7.465	6468728	41.455	ng/ml	
39)	Aroclor 1254 (4)	7.633	4327534	42.352	ng/ml	48.491
40)	Aroclor 1254 (5)	8.018	9426991	91.569	ng/ml	
41)	Aroclor 1254 (6)	8.313	1798242	54.306	ng/ml	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml	
43)	Aroclor 1260 (1)	7.586	5164840	42.904	ng/ml	
44)	Aroclor 1260 (2)	7.720	7568794	51.072	ng/ml	
45)	Aroclor 1260 (3)	8.283	3079500	27.726	ng/ml	
46)	Aroclor 1260 (4)	8.455	6713935	26.698	ng/ml	
47)	Aroclor 1260 (5)	8.757	5195435	31.757	ng/ml	30.550
48)	Aroclor 1260 (6)	9.160	2421013	36.017	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	7.720	7568794	72.856	ng/ml	
51)	Aroclor 1262 (2)	8.047	5616946	38.043	ng/ml	
52)	Aroclor 1262 (3)	8.283	3079500	24.687	ng/ml	
53)	Aroclor 1262 (4)	8.455	6713935	25.690	ng/ml	
54)	Aroclor 1262 (5)	8.757	5195435	32.927	ng/ml	
55)	Aroclor 1262 (6)	9.160	2421013	29.233	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A15008\
Data File : ECD9_210115_28.D
Signal(s) : ECD1A.ch
Acq On : 15 Jan 2021 12:16
Operator : KAK
Sample : A0K0482-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 15 14:23:05 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3_MI.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	8.283	3079500	45.600	ng/ml
58)	Aroclor 1268 (2)	8.706	2773619	9.346	ng/ml
59)	Aroclor 1268 (3)	8.757	5195435	21.428	ng/ml
60)	Aroclor 1268 (4)	8.939	5069519	22.283	ng/ml
61)	Aroclor 1268 (5)	9.160	2421013	26.230	ng/ml
62)	Aroclor 1268 (6)	9.428	10940824	17.755	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

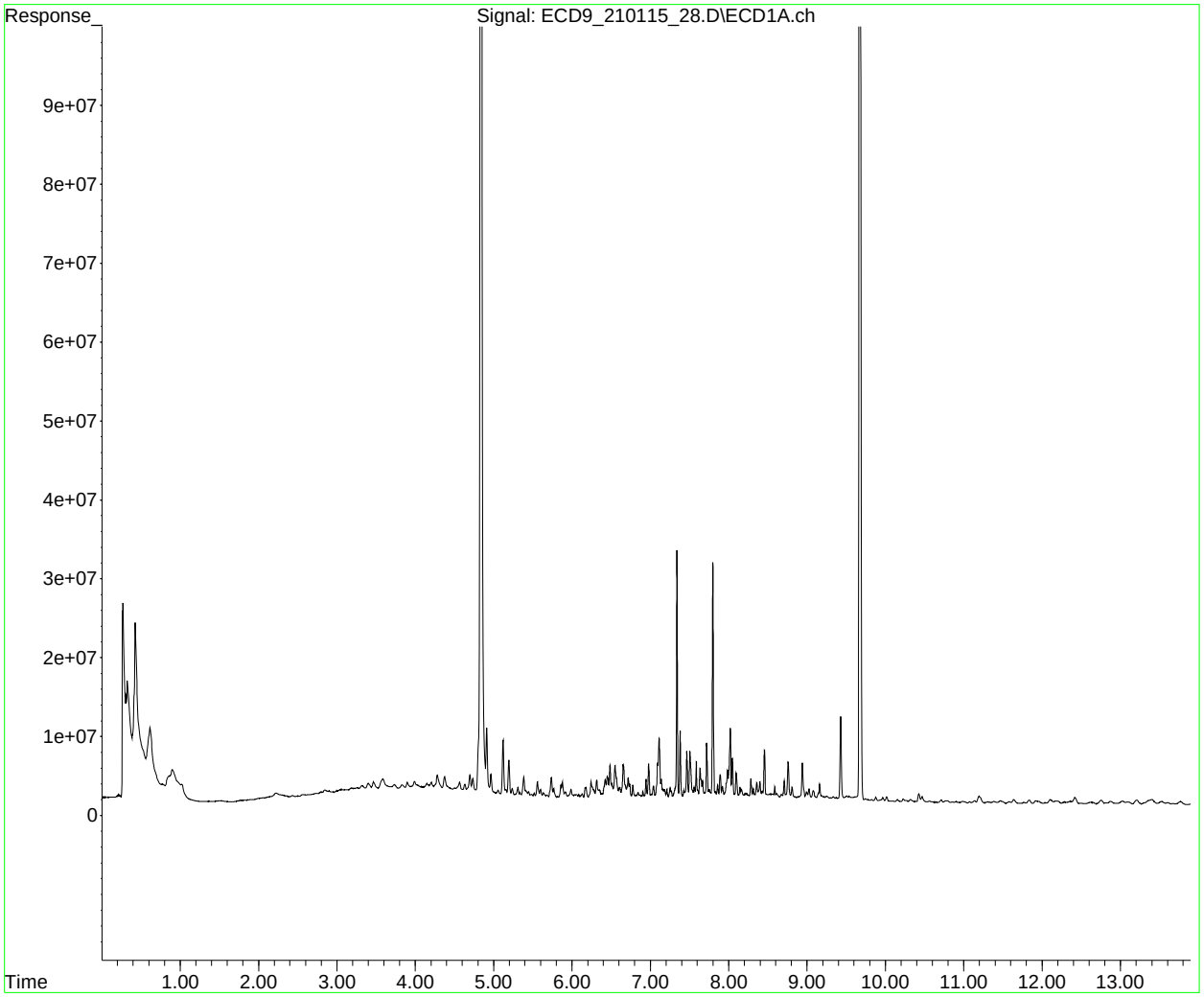
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

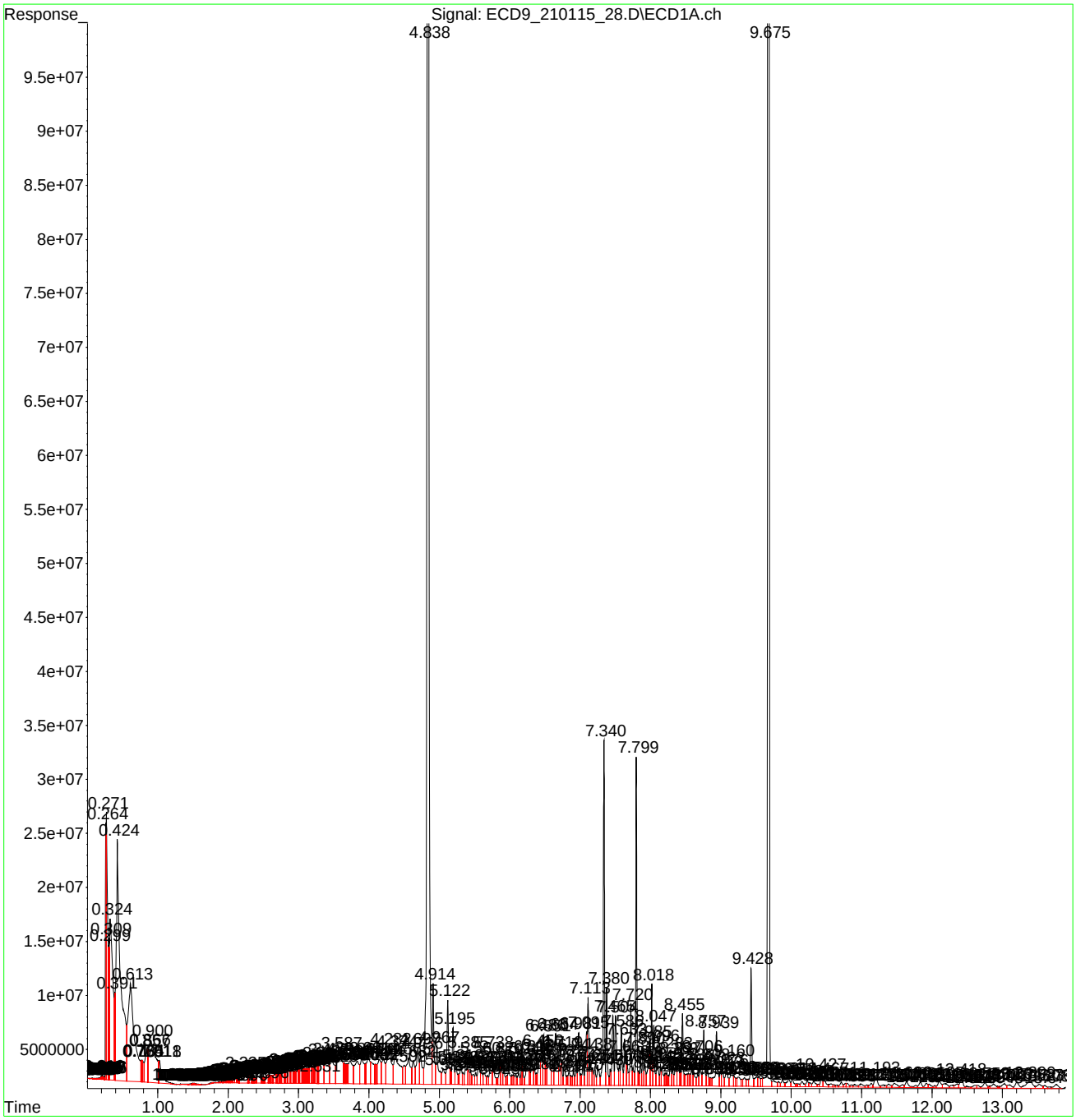
Data Path : W:\1\data\1A15008\
Data File : ECD9_210115_28.D
Signal(s) : ECD1A.ch
Acq On : 15 Jan 2021 12:16
Operator : KAK
Sample : A0K0482-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 15 14:23:05 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3_MI.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



File :W:\1\data\1A15008\ECD9_210115_28.D
Operator : KAK
Acquired : 15 Jan 2021 12:16 using AcqMethod ECD9_ACQ_PCBS_200831.M
Instrument : DUALECD9
Sample Name: A0K0482-11
Misc Info :
Vial Number: 9



Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15008\
Data File : ECD9_210115_32.D
Signal(s) : ECD1A.ch
Acq On : 15 Jan 2021 12:53
Operator : KAK
Sample : 1A15008-CCV2
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 15 14:34:07 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	4.842	352080948	223.256	ng/ml
64) S	DCBP (S)	9.677	292979977	226.804	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.768	29592864	446.348	ng/ml
3)	Aroclor 1016 (2)	6.185	56608302	494.609	ng/ml
4)	Aroclor 1016 (3)	6.267	30316007	451.102	ng/ml
5)	Aroclor 1016 (4)	6.427	24504095	433.172	ng/ml
6)	Aroclor 1016 (5)	6.650	30134956	449.611	ng/ml
7)	Aroclor 1016 (6)	6.777	20491661	446.134	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.203	6676868	348.279	ng/ml
10)	Aroclor 1221 (2)	5.324	3251406	255.863	ng/ml
11)	Aroclor 1221 (3)	5.405	14971610	369.355	ng/ml
12)	Aroclor 1221 (4)	5.879	2713178	404.518	ng/ml
13)	Aroclor 1221 (5)	6.185	56608302	7550.160	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	5.405	14971610	433.577	ng/ml
16)	Aroclor 1232 (2)	6.185	56608302	1299.176	ng/ml
17)	Aroclor 1232 (3)	6.267	30316007	1221.085	ng/ml
18)	Aroclor 1232 (4)	6.427	24504095	1444.853	ng/ml
19)	Aroclor 1232 (5)	6.650	30134956	1328.260	ng/ml
20)	Aroclor 1232 (6)	6.777	20491661	1161.205	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	5.768	29592864	657.946	ng/ml
23)	Aroclor 1242 (2)	6.185	56608302	720.897	ng/ml
24)	Aroclor 1242 (3)	6.267	30316007	659.159	ng/ml
25)	Aroclor 1242 (4)	6.427	24504095	704.174	ng/ml

Data Path : W:\1\data\1A15008\
Data File : ECD9_210115_32.D
Signal(s) : ECD1A.ch
Acq On : 15 Jan 2021 12:53
Operator : KAK
Sample : 1A15008-CCV2
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 15 14:34:07 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
26)	Aroclor 1242 (5)	6.650	30134956	673.710	ng/ml
27)	Aroclor 1242 (6)	6.777	20491661	559.273	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.185	56608302	1198.859	ng/ml
30)	Aroclor 1248 (2)	6.427	24504095	386.304	ng/ml
31)	Aroclor 1248 (3)	6.650	30134956	385.120	ng/ml
32)	Aroclor 1248 (4)	6.947	5653687	64.612	ng/ml
33)	Aroclor 1248 (5)	6.982	19633519	216.708	ng/ml
34)	Aroclor 1248 (6)	7.475	40790150	910.717	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	6.982	19633519	224.301	ng/ml
37)	Aroclor 1254 (2)	7.092	20579550	202.462	ng/ml
38)	Aroclor 1254 (3)	7.475	40790150	261.407	ng/ml
39)	Aroclor 1254 (4)	7.634	6008425	58.802	ng/ml
40)	Aroclor 1254 (5)	8.020	53408383	518.781	ng/ml
41)	Aroclor 1254 (6)	8.315	5842028	176.427	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	7.587	53627443	445.477	ng/ml
44)	Aroclor 1260 (2)	7.722	67726822	457.004	ng/ml
45)	Aroclor 1260 (3)	8.285	49318607	444.035	ng/ml
46)	Aroclor 1260 (4)	8.457	119769056	476.267	ng/ml
47)	Aroclor 1260 (5)	8.760	77318743	472.607	ng/ml
48)	Aroclor 1260 (6)	9.162	30299090	450.752	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	7.722	67726822	651.930	ng/ml
51)	Aroclor 1262 (2)	8.050	51517327	348.919	ng/ml
52)	Aroclor 1262 (3)	8.285	49318607	395.366	ng/ml
53)	Aroclor 1262 (4)	8.457	119769056	458.286	ng/ml
54)	Aroclor 1262 (5)	8.760	77318743	490.017	ng/ml
55)	Aroclor 1262 (6)	9.162	30299090	365.854	ng/ml

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15008\
Data File : ECD9_210115_32.D
Signal(s) : ECD1A.ch
Acq On : 15 Jan 2021 12:53
Operator : KAK
Sample : 1A15008-CCV2
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 15 14:34:07 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	8.285	49318607	730.291	ng/ml
58)	Aroclor 1268 (2)	8.707	26952444	90.819	ng/ml
59)	Aroclor 1268 (3)	8.760	77318743	318.892	ng/ml
60)	Aroclor 1268 (4)	8.940	6394253	28.106	ng/ml
61)	Aroclor 1268 (5)	9.162	30299090	328.270	ng/ml
62)	Aroclor 1268 (6)	9.430	16715109	27.126	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

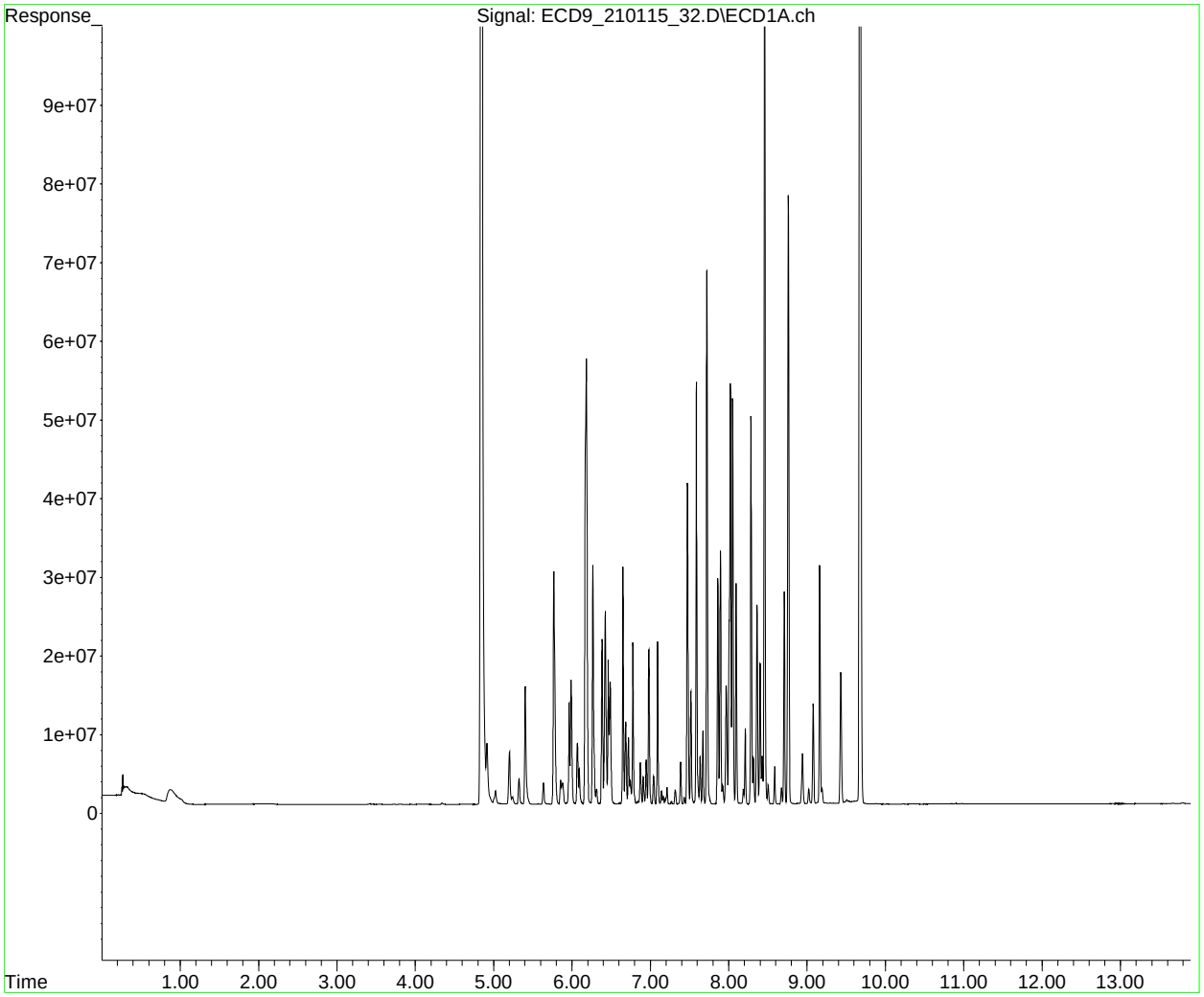
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15008\
Data File : ECD9_210115_32.D
Signal(s) : ECD1A.ch
Acq On : 15 Jan 2021 12:53
Operator : KAK
Sample : 1A15008-CCV2
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 15 14:34:07 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A15008\
Data File : ECD9_210115_32.D
Signal(s) : ECD1A.ch
Acq On : 15 Jan 2021 12:53
Operator : KAK
Sample : 1A15008-CCV2
Misc :
ALS Vial : 2 Sample Multiplier: 1

KAK 1/15/21

Integration File: PCB1.e
Quant Time: Jan 15 14:34:07 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units	
	System Monitoring Compounds					
1) S	TCMX (S)	4.842	352080948	223.256	ng/ml	
64) S	DCBP (S)	9.677	292979977	226.804	ng/ml	
	Target Compounds					
2)	Aroclor 1016 (1)	5.768	29592864	446.348	ng/ml	
3)	Aroclor 1016 (2)	6.185	56608302	494.609	ng/ml	
4)	Aroclor 1016 (3)	6.267	30316007	451.102	ng/ml	✓
5)	Aroclor 1016 (4)	6.427	24504095	433.172	ng/ml	
6)	Aroclor 1016 (5)	6.650	30134956	449.611	ng/ml	
7)	Aroclor 1016 (6)	6.777	20491661	446.134	ng/ml	
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml	
9)	Aroclor 1221 (1)	5.203	6676868	348.279	ng/ml	
10)	Aroclor 1221 (2)	5.324	3251406	255.863	ng/ml	
11)	Aroclor 1221 (3)	5.405	14971610	369.355	ng/ml	
12)	Aroclor 1221 (4)	5.879	2713178	404.518	ng/ml	
13)	Aroclor 1221 (5)	6.185	56608302	7550.160	ng/ml	
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml	
15)	Aroclor 1232 (1)	5.405	14971610	433.577	ng/ml	
16)	Aroclor 1232 (2)	6.185	56608302	1299.176	ng/ml	
17)	Aroclor 1232 (3)	6.267	30316007	1221.085	ng/ml	
18)	Aroclor 1232 (4)	6.427	24504095	1444.853	ng/ml	
19)	Aroclor 1232 (5)	6.650	30134956	1328.260	ng/ml	
20)	Aroclor 1232 (6)	6.777	20491661	1161.205	ng/ml	
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml	
22)	Aroclor 1242 (1)	5.768	29592864	657.946	ng/ml	
23)	Aroclor 1242 (2)	6.185	56608302	720.897	ng/ml	
24)	Aroclor 1242 (3)	6.267	30316007	659.159	ng/ml	
25)	Aroclor 1242 (4)	6.427	24504095	704.174	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A15008\
Data File : ECD9_210115_32.D
Signal(s) : ECD1A.ch
Acq On : 15 Jan 2021 12:53
Operator : KAK
Sample : 1A15008-CCV2
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 15 14:34:07 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units	
26)	Aroclor 1242 (5)	6.650	30134956	673.710	ng/ml	
27)	Aroclor 1242 (6)	6.777	20491661	559.273	ng/ml	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml	
29)	Aroclor 1248 (1)	6.185	56608302	1198.859	ng/ml	
30)	Aroclor 1248 (2)	6.427	24504095	386.304	ng/ml	
31)	Aroclor 1248 (3)	6.650	30134956	385.120	ng/ml	
32)	Aroclor 1248 (4)	6.947	5653687	64.612	ng/ml	
33)	Aroclor 1248 (5)	6.982	19633519	216.708	ng/ml	
34)	Aroclor 1248 (6)	7.475	40790150	910.717	ng/ml	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml	
36)	Aroclor 1254 (1)	6.982	19633519	224.301	ng/ml	
37)	Aroclor 1254 (2)	7.092	20579550	202.462	ng/ml	
38)	Aroclor 1254 (3)	7.475	40790150	261.407	ng/ml	
39)	Aroclor 1254 (4)	7.634	6008425	58.802	ng/ml	
40)	Aroclor 1254 (5)	8.020	53408383	518.781	ng/ml	
41)	Aroclor 1254 (6)	8.315	5842028	176.427	ng/ml	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml	
43)	Aroclor 1260 (1)	7.587	53627443	445.477	ng/ml	
44)	Aroclor 1260 (2)	7.722	67726822	457.004	ng/ml	
45)	Aroclor 1260 (3)	8.285	49318607	444.035	ng/ml	✓
46)	Aroclor 1260 (4)	8.457	119769056	476.267	ng/ml	
47)	Aroclor 1260 (5)	8.760	77318743	472.607	ng/ml	
48)	Aroclor 1260 (6)	9.162	30299090	450.752	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	7.722	67726822	651.930	ng/ml	
51)	Aroclor 1262 (2)	8.050	51517327	348.919	ng/ml	
52)	Aroclor 1262 (3)	8.285	49318607	395.366	ng/ml	
53)	Aroclor 1262 (4)	8.457	119769056	458.286	ng/ml	
54)	Aroclor 1262 (5)	8.760	77318743	490.017	ng/ml	
55)	Aroclor 1262 (6)	9.162	30299090	365.854	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A15008\
Data File : ECD9_210115_32.D
Signal(s) : ECD1A.ch
Acq On : 15 Jan 2021 12:53
Operator : KAK
Sample : 1A15008-CCV2
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 15 14:34:07 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	8.285	49318607	730.291	ng/ml
58)	Aroclor 1268 (2)	8.707	26952444	90.819	ng/ml
59)	Aroclor 1268 (3)	8.760	77318743	318.892	ng/ml
60)	Aroclor 1268 (4)	8.940	6394253	28.106	ng/ml
61)	Aroclor 1268 (5)	9.162	30299090	328.270	ng/ml
62)	Aroclor 1268 (6)	9.430	16715109	27.126	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

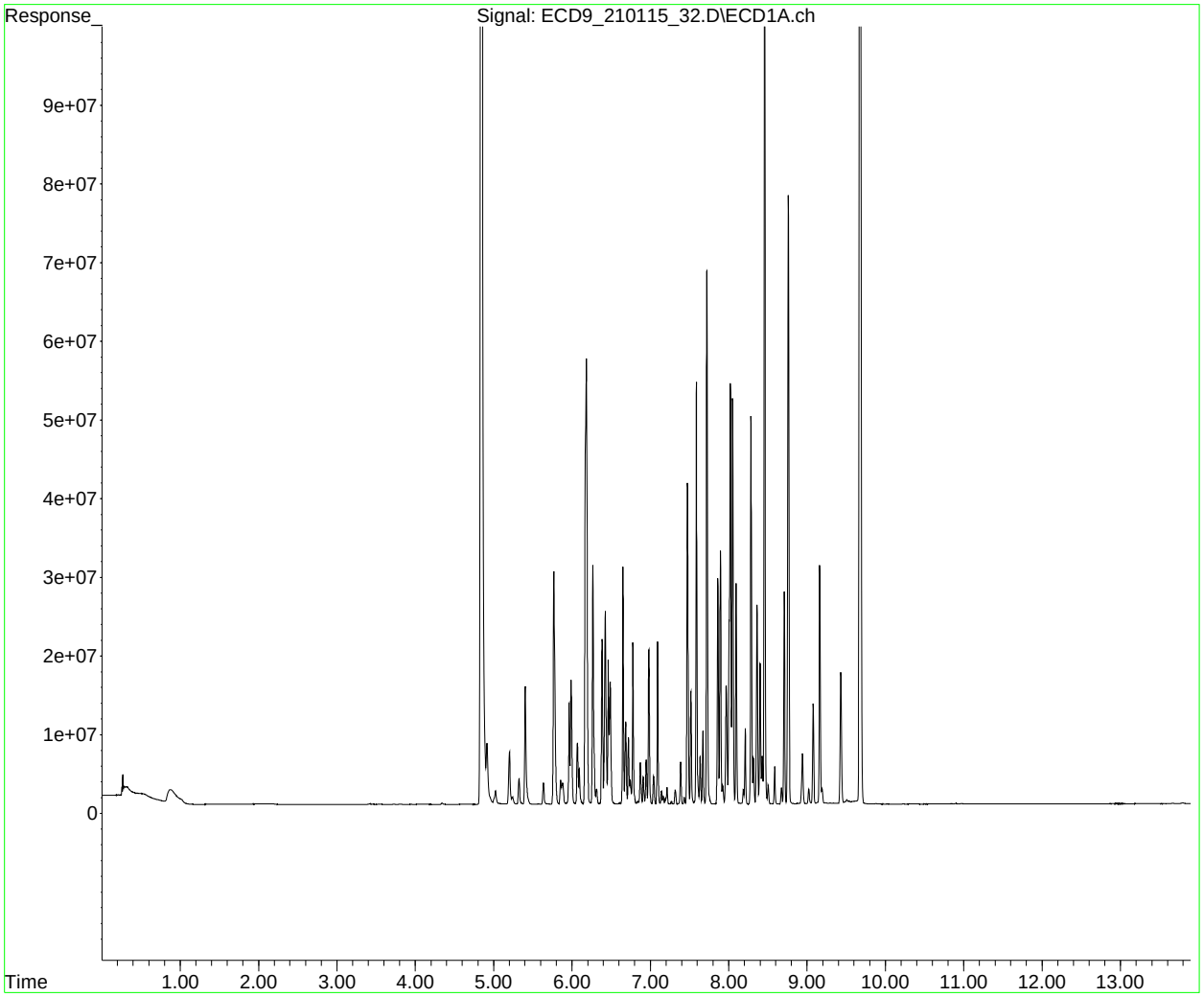
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A15008\
Data File : ECD9_210115_32.D
Signal(s) : ECD1A.ch
Acq On : 15 Jan 2021 12:53
Operator : KAK
Sample : 1A15008-CCV2
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 15 14:34:07 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15008\
Data File : ECD9_210115_34.D
Signal(s) : ECD1A.ch
Acq On : 15 Jan 2021 13:11
Operator : KAK
Sample : 1A15008-CCB2
Misc :
ALS Vial : 3 Sample Multiplier: 1

KAK 1/15/21

Clean

Integration File: PCB1.e
Quant Time: Jan 15 14:35:09 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
1) S	TCMX (S)	4.840	141201758	89.537 ng/ml
64) S	DCBP (S)	9.676	118094460	91.420 ng/ml
	Target Compounds			
2)	Aroclor 1016 (1)	5.779	16804	0.253 ng/ml
3)	Aroclor 1016 (2)	6.179	22973	0.201 ng/ml
4)	Aroclor 1016 (3)	6.294	19209	0.286 ng/ml
5)	Aroclor 1016 (4)	6.446	33994	0.601 ng/ml
6)	Aroclor 1016 (5)	6.650	16792	0.251 ng/ml
7)	Aroclor 1016 (6)	6.778	21118	0.460 ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9)	Aroclor 1221 (1)	5.197	1779432	92.819 ng/ml
10)	Aroclor 1221 (2)	5.325	21089	1.660 ng/ml
11)	Aroclor 1221 (3)	5.410	17348	0.428 ng/ml
12)	Aroclor 1221 (4)	5.890	19663	2.932 ng/ml
13)	Aroclor 1221 (5)	6.179	22973	3.064 ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15)	Aroclor 1232 (1)	5.410	17348	0.502 ng/ml
16)	Aroclor 1232 (2)	6.179	22973	0.527 ng/ml
17)	Aroclor 1232 (3)	6.294	19209	0.774 ng/ml
18)	Aroclor 1232 (4)	6.446	33994	2.004 ng/ml
19)	Aroclor 1232 (5)	6.650	16792	0.740 ng/ml
20)	Aroclor 1232 (6)	6.778	21118	1.197 ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22)	Aroclor 1242 (1)	5.779	16804	0.374 ng/ml
23)	Aroclor 1242 (2)	6.179	22973	0.293 ng/ml
24)	Aroclor 1242 (3)	6.294	19209	0.418 ng/ml
25)	Aroclor 1242 (4)	6.446	33994	0.977 ng/ml

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15008\
Data File : ECD9_210115_34.D
Signal(s) : ECD1A.ch
Acq On : 15 Jan 2021 13:11
Operator : KAK
Sample : 1A15008-CCB2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 15 14:35:09 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
26)	Aroclor 1242 (5)	6.650	16792	0.375 ng/ml
27)	Aroclor 1242 (6)	6.778	21118	0.576 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.179	22973	0.487 ng/ml
30)	Aroclor 1248 (2)	6.446	33994	0.536 ng/ml
31)	Aroclor 1248 (3)	6.650	16792	0.215 ng/ml
32)	Aroclor 1248 (4)	6.959	19810	0.226 ng/ml
33)	Aroclor 1248 (5)	6.993	22316	0.246 ng/ml
34)	Aroclor 1248 (6)	7.474	22676	0.506 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	6.993	22316	0.255 ng/ml
37)	Aroclor 1254 (2)	7.097	20518	0.202 ng/ml
38)	Aroclor 1254 (3)	7.474	22676	0.145 ng/ml
39)	Aroclor 1254 (4)	7.656	18736	0.183 ng/ml
40)	Aroclor 1254 (5)	8.029	74243	0.721 ng/ml
41)	Aroclor 1254 (6)	8.317	14788	0.447 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	7.587	29023	0.241 ng/ml
44)	Aroclor 1260 (2)	7.718	24263	0.164 ng/ml
45)	Aroclor 1260 (3)	8.278	26903	0.242 ng/ml
46)	Aroclor 1260 (4)	8.450	113011	0.449 ng/ml
47)	Aroclor 1260 (5)	8.759	47568	0.291 ng/ml
48)	Aroclor 1260 (6)	9.186	87920	1.308 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	7.718	24263	0.234 ng/ml
51)	Aroclor 1262 (2)	8.029	74243	0.503 ng/ml
52)	Aroclor 1262 (3)	8.278	26903	0.216 ng/ml
53)	Aroclor 1262 (4)	8.450	113011	0.432 ng/ml
54)	Aroclor 1262 (5)	8.759	47568	0.301 ng/ml
55)	Aroclor 1262 (6)	9.186	87920	1.062 ng/ml

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15008\
Data File : ECD9_210115_34.D
Signal(s) : ECD1A.ch
Acq On : 15 Jan 2021 13:11
Operator : KAK
Sample : 1A15008-CCB2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 15 14:35:09 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	8.278	26903	0.398	ng/ml
58)	Aroclor 1268 (2)	8.707	60424	0.204	ng/ml
59)	Aroclor 1268 (3)	8.759	47568	0.196	ng/ml
60)	Aroclor 1268 (4)	8.940	2295525	10.090	ng/ml
61)	Aroclor 1268 (5)	9.186	87920	0.953	ng/ml
62)	Aroclor 1268 (6)	9.429	4596015	7.459	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

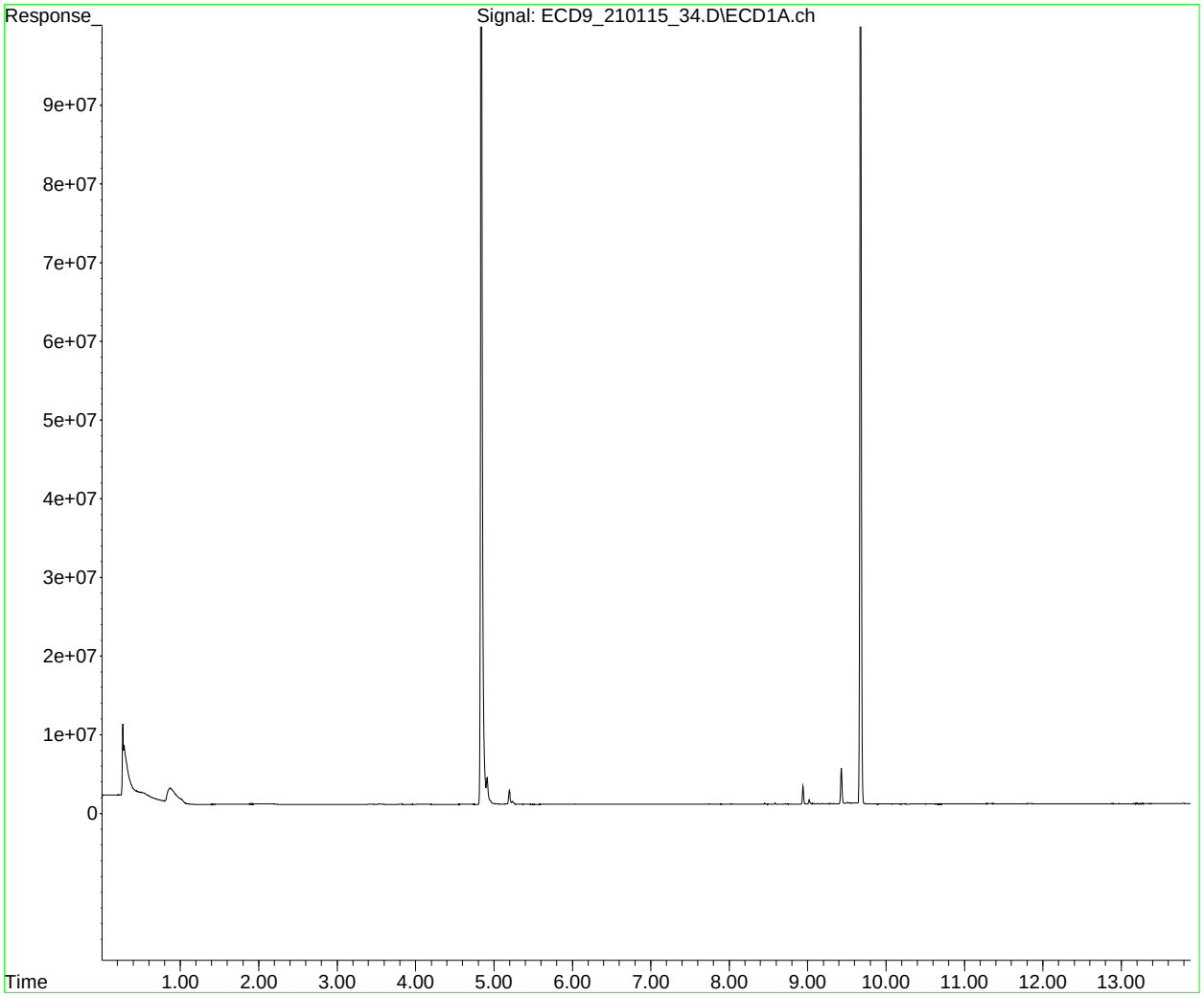
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15008\
Data File : ECD9_210115_34.D
Signal(s) : ECD1A.ch
Acq On : 15 Jan 2021 13:11
Operator : KAK
Sample : 1A15008-CCB2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 15 14:35:09 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Polychlorinated Biphenyls by EPA 8082A
Benchsheet & Analysis Sequence Data

Sequence 1A15009 (A0K0482-12,13,14,18,19,20)

ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence:	1A15009	Instrument:	DUALECD9R
Date:	**01/15/21 06:28**	Calibration:	**A0I1705**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	1A15009-CCV1	Sediment	QC	QC				A21A150
2	1A15009-CCB1	Sediment	QC	QC				A20L446
3	A0K0482-12	Sediment	8082 PCBs - Low Level (2mL FV) +12	Anchor QEA, LLC	01/14/21	1012827		
4	1A15009-IBL1	Sediment	QC	QC				
5	A0K0482-13	Sediment	8082 PCBs - Low Level (2mL FV) +12	Anchor QEA, LLC	01/14/21	1012827		
6	1A15009-IBL2	Sediment	QC	QC				
7	A0K0482-14	Sediment	8082 PCBs - Low Level (2mL FV) +12	Anchor QEA, LLC	01/14/21	1012827		
8	1A15009-IBL3	Sediment	QC	QC				
9	A0K0482-18	Sediment	8082 PCBs - Low Level (2mL FV) +12	Anchor QEA, LLC	01/14/21	1012827		
10	1A15009-IBL4	Sediment	QC	QC				
11	A0K0482-19	Sediment	8082 PCBs - Low Level (2mL FV) +12	Anchor QEA, LLC	01/14/21	1012827		
12	1A15009-IBL5	Sediment	QC	QC				
13	A0K0482-20	Sediment	8082 PCBs - Low Level (2mL FV) +12	Anchor QEA, LLC	01/14/21	1012827		
14	1A15009-IBL6	Sediment	QC	QC				
15	1A15009-CCV2	Sediment	QC	QC				A21A150
16	1A15009-CCB2	Sediment	QC	QC				A20L446

Comments:

Data Entered By/Date: KAK 1/18/21

Data Reviewed By/Date: MKZ 1/18/2021

1/18/2021 8:20:22AM

TOTAL AROCLOR AVERAGE RESULTS

The average result for the 1016 and 1260 selected peaks are reported here to facilitate data entry and review. Averages are done on all individual peaks and must be for matrix spikes if all peaks are not used in the average.

1A15009-CCV1

Aroclor 1016

Peak	Initial Res
1016 (1)	461.57
1016 (2)	515.92
1016 (3)	497.70
1016 (4)	447.86
1016 (5)	464.75
1016 (6)	477.80
Average:	**477.60**

Aroclor 1260

Peak	Initial Res
1260 (1)	536.89
1260 (2)	511.06
1260 (3)	535.27
1260 (4)	570.09
1260 (5)	562.64
1260 (6)	521.06
Average:	**539.50**

1A15009-CCV2

Aroclor 1016

Peak	Initial Res
1016 (1)	470.40
1016 (2)	530.04
1016 (3)	495.09
1016 (4)	474.44
1016 (5)	485.30
1016 (6)	496.78
Average:	**492.01**

Aroclor 1260

Peak	Initial Res
1260 (1)	536.58
1260 (2)	546.86
1260 (3)	552.87
1260 (4)	591.00
1260 (5)	568.14
1260 (6)	568.19
Average:	**560.61**

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_07.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 09:11
Operator : KAK
Sample : 1A15009-CCV1
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 15 14:39:21 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	5.726	420785292	263.151	ng/ml
64) S	DCBP (S)	10.789	193253108	272.180	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.406	26176870	461.574	ng/ml
3)	Aroclor 1016 (2)	6.900	46835319	515.919	ng/ml
4)	Aroclor 1016 (3)	7.028	21441896	497.704	ng/ml
5)	Aroclor 1016 (4)	7.116	20886569	447.864	ng/ml
6)	Aroclor 1016 (5)	7.161	23572106	464.753	ng/ml
7)	Aroclor 1016 (6)	7.287	23825784	477.799	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.904	1559824	141.781	ng/ml
10)	Aroclor 1221 (2)	5.978	3061583	275.668	ng/ml
11)	Aroclor 1221 (3)	6.066	15328594	419.394	ng/ml
12)	Aroclor 1221 (4)	6.581	14917531	1885.654	ng/ml
13)	Aroclor 1221 (5)	6.900	46835319	7787.390	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	6.066	15328594	502.696	ng/ml
16)	Aroclor 1232 (2)	6.406	26176870	1295.598	ng/ml
17)	Aroclor 1232 (3)	6.900	46835319	1396.091	ng/ml
18)	Aroclor 1232 (4)	7.116	20886569	1497.606	ng/ml
19)	Aroclor 1232 (5)	7.161	23572106	1481.667	ng/ml
20)	Aroclor 1232 (6)	7.287	23825784	1465.799	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.406	26176870	697.758	ng/ml
23)	Aroclor 1242 (2)	6.900	46835319	778.477	ng/ml
24)	Aroclor 1242 (3)	7.028	21441896	738.230	ng/ml
25)	Aroclor 1242 (4)	7.116	20886569	732.459	ng/ml

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_07.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 09:11
Operator : KAK
Sample : 1A15009-CCV1
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 15 14:39:21 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
26)	Aroclor 1242 (5)	7.161	23572106	713.758	ng/ml
27)	Aroclor 1242 (6)	7.287	23825784	713.084	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.871	39448109	1034.362	ng/ml
30)	Aroclor 1248 (2)	7.116	20886569	383.811	ng/ml
31)	Aroclor 1248 (3)	7.161	23572106	475.125	ng/ml
32)	Aroclor 1248 (4)	7.287	23825784	411.467	ng/ml
33)	Aroclor 1248 (5)	7.655	5510004	75.747	ng/ml
34)	Aroclor 1248 (6)	7.816	21034171	352.590	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.634	17542883	246.466	ng/ml
37)	Aroclor 1254 (2)	7.816	21034171	193.177	ng/ml
38)	Aroclor 1254 (3)	8.129	11649943	104.466	ng/ml
39)	Aroclor 1254 (4)	8.372	8549413	104.564	ng/ml
40)	Aroclor 1254 (5)	8.710	60512318	701.176	ng/ml
41)	Aroclor 1254 (6)	8.930	8704633	360.649	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.267	51613278	536.895	ng/ml
44)	Aroclor 1260 (2)	8.475	58695239	511.056	ng/ml
45)	Aroclor 1260 (3)	8.710	60512318	535.267	ng/ml
46)	Aroclor 1260 (4)	9.209	93649987	570.091	ng/ml
47)	Aroclor 1260 (5)	9.482	54660189	562.635	ng/ml
48)	Aroclor 1260 (6)	10.082	20179506	521.058	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	8.475	58695239	733.289	ng/ml
51)	Aroclor 1262 (2)	8.779	44952947	394.685	ng/ml
52)	Aroclor 1262 (3)	8.960	43382980	491.112	ng/ml
53)	Aroclor 1262 (4)	9.209	93649987	549.171	ng/ml
54)	Aroclor 1262 (5)	9.482	54660189	519.145	ng/ml
55)	Aroclor 1262 (6)	10.082	20179506	443.413	ng/ml

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_07.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 09:11
Operator : KAK
Sample : 1A15009-CCV1
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 15 14:39:21 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	9.002	3423018	70.764	ng/ml
58)	Aroclor 1268 (2)	9.482	54660189	289.275	ng/ml
59)	Aroclor 1268 (3)	9.550	21872396	144.758	ng/ml
60)	Aroclor 1268 (4)	9.780	5367406	40.247	ng/ml
61)	Aroclor 1268 (5)	10.082	20179506	406.812	ng/ml
62)	Aroclor 1268 (6)	10.455	11651381	33.989	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

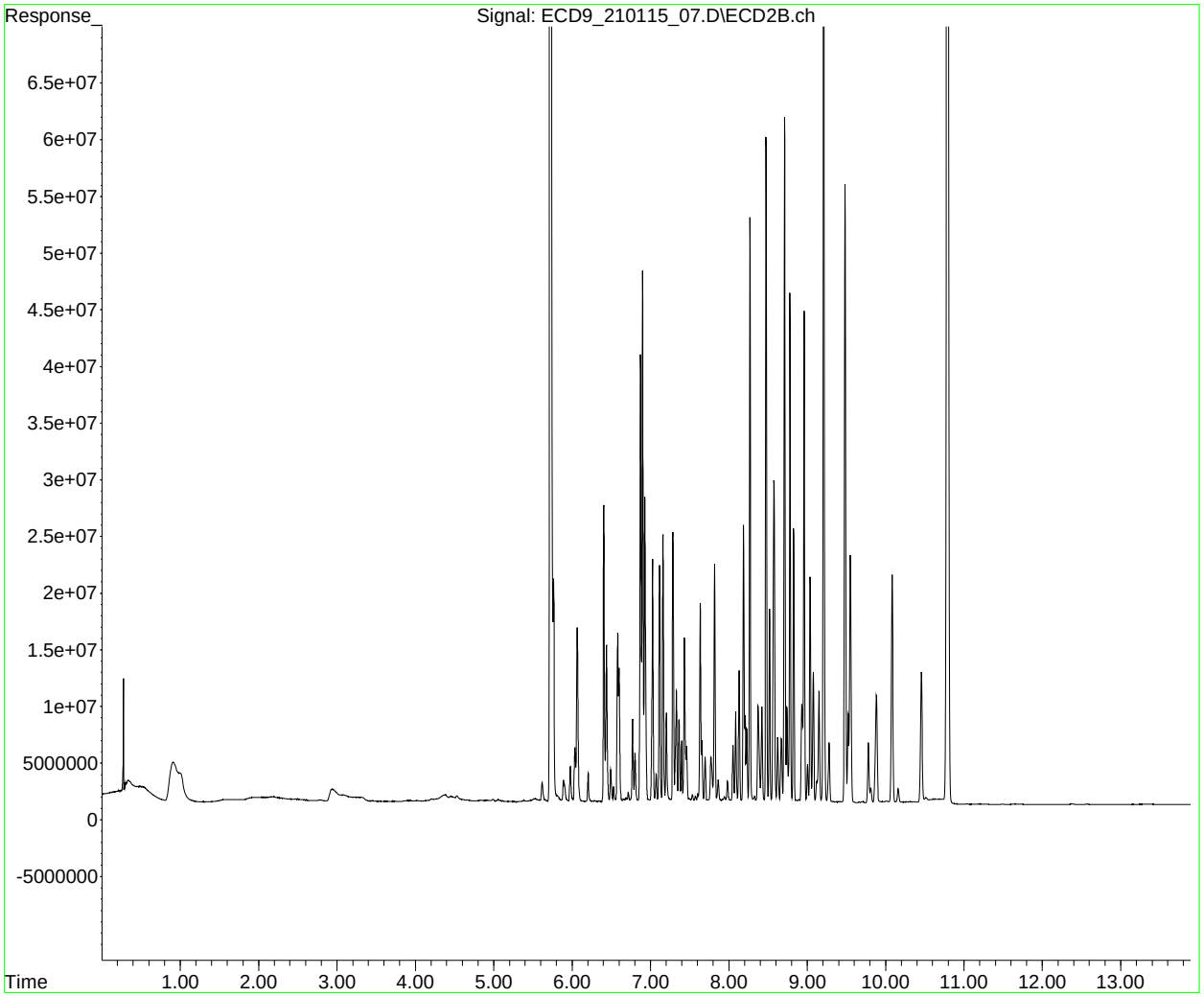
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_07.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 09:11
Operator : KAK
Sample : 1A15009-CCV1
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 15 14:39:21 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_07.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 09:11
Operator : KAK
Sample : 1A15009-CCV1
Misc :
ALS Vial : 52 Sample Multiplier: 1

KAK 1/15/21

Integration File: events.e
Quant Time: Jan 15 14:39:21 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units	
	System Monitoring Compounds					
1) S	TCMX (S)	5.726	420785292	263.151	ng/ml	
64) S	DCBP (S)	10.789	193253108	272.180	ng/ml	
	Target Compounds					
2)	Aroclor 1016 (1)	6.406	26176870	461.574	ng/ml	
3)	Aroclor 1016 (2)	6.900	46835319	515.919	ng/ml	
4)	Aroclor 1016 (3)	7.028	21441896	497.704	ng/ml	
5)	Aroclor 1016 (4)	7.116	20886569	447.864	ng/ml	✓
6)	Aroclor 1016 (5)	7.161	23572106	464.753	ng/ml	
7)	Aroclor 1016 (6)	7.287	23825784	477.799	ng/ml	
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml	
9)	Aroclor 1221 (1)	5.904	1559824	141.781	ng/ml	
10)	Aroclor 1221 (2)	5.978	3061583	275.668	ng/ml	
11)	Aroclor 1221 (3)	6.066	15328594	419.394	ng/ml	
12)	Aroclor 1221 (4)	6.581	14917531	1885.654	ng/ml	
13)	Aroclor 1221 (5)	6.900	46835319	7787.390	ng/ml	
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml	
15)	Aroclor 1232 (1)	6.066	15328594	502.696	ng/ml	
16)	Aroclor 1232 (2)	6.406	26176870	1295.598	ng/ml	
17)	Aroclor 1232 (3)	6.900	46835319	1396.091	ng/ml	
18)	Aroclor 1232 (4)	7.116	20886569	1497.606	ng/ml	
19)	Aroclor 1232 (5)	7.161	23572106	1481.667	ng/ml	
20)	Aroclor 1232 (6)	7.287	23825784	1465.799	ng/ml	
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml	
22)	Aroclor 1242 (1)	6.406	26176870	697.758	ng/ml	
23)	Aroclor 1242 (2)	6.900	46835319	778.477	ng/ml	
24)	Aroclor 1242 (3)	7.028	21441896	738.230	ng/ml	
25)	Aroclor 1242 (4)	7.116	20886569	732.459	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_07.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 09:11
Operator : KAK
Sample : 1A15009-CCV1
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 15 14:39:21 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units	
26)	Aroclor 1242 (5)	7.161	23572106	713.758	ng/ml	
27)	Aroclor 1242 (6)	7.287	23825784	713.084	ng/ml	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml	
29)	Aroclor 1248 (1)	6.871	39448109	1034.362	ng/ml	
30)	Aroclor 1248 (2)	7.116	20886569	383.811	ng/ml	
31)	Aroclor 1248 (3)	7.161	23572106	475.125	ng/ml	
32)	Aroclor 1248 (4)	7.287	23825784	411.467	ng/ml	
33)	Aroclor 1248 (5)	7.655	5510004	75.747	ng/ml	
34)	Aroclor 1248 (6)	7.816	21034171	352.590	ng/ml	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml	
36)	Aroclor 1254 (1)	7.634	17542883	246.466	ng/ml	
37)	Aroclor 1254 (2)	7.816	21034171	193.177	ng/ml	
38)	Aroclor 1254 (3)	8.129	11649943	104.466	ng/ml	
39)	Aroclor 1254 (4)	8.372	8549413	104.564	ng/ml	
40)	Aroclor 1254 (5)	8.710	60512318	701.176	ng/ml	
41)	Aroclor 1254 (6)	8.930	8704633	360.649	ng/ml	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml	
43)	Aroclor 1260 (1)	8.267	51613278	536.895	ng/ml	
44)	Aroclor 1260 (2)	8.475	58695239	511.056	ng/ml	
45)	Aroclor 1260 (3)	8.710	60512318	535.267	ng/ml	
46)	Aroclor 1260 (4)	9.209	93649987	570.091	ng/ml	✓
47)	Aroclor 1260 (5)	9.482	54660189	562.635	ng/ml	
48)	Aroclor 1260 (6)	10.082	20179506	521.058	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	8.475	58695239	733.289	ng/ml	
51)	Aroclor 1262 (2)	8.779	44952947	394.685	ng/ml	
52)	Aroclor 1262 (3)	8.960	43382980	491.112	ng/ml	
53)	Aroclor 1262 (4)	9.209	93649987	549.171	ng/ml	
54)	Aroclor 1262 (5)	9.482	54660189	519.145	ng/ml	
55)	Aroclor 1262 (6)	10.082	20179506	443.413	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_07.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 09:11
Operator : KAK
Sample : 1A15009-CCV1
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 15 14:39:21 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	9.002	3423018	70.764	ng/ml
58)	Aroclor 1268 (2)	9.482	54660189	289.275	ng/ml
59)	Aroclor 1268 (3)	9.550	21872396	144.758	ng/ml
60)	Aroclor 1268 (4)	9.780	5367406	40.247	ng/ml
61)	Aroclor 1268 (5)	10.082	20179506	406.812	ng/ml
62)	Aroclor 1268 (6)	10.455	11651381	33.989	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

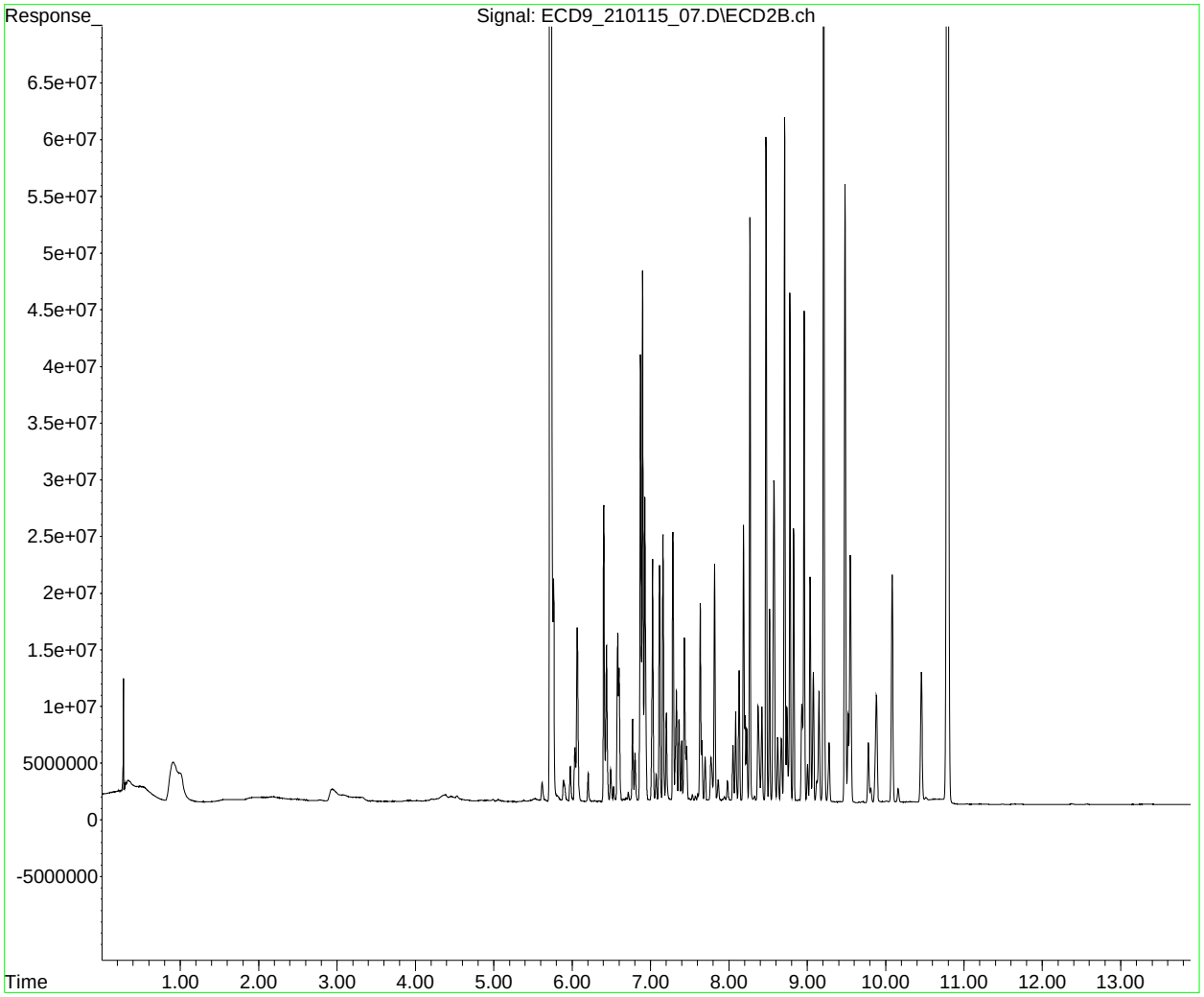
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_07.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 09:11
Operator : KAK
Sample : 1A15009-CCV1
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 15 14:39:21 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_09.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 09:29
Operator : KAK
Sample : 1A15009-CCB1
Misc :
ALS Vial : 53 Sample Multiplier: 1

KAK 1/15/21

Clean

Integration File: events.e
Quant Time: Jan 15 14:40:30 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	5.726	169054157	105.723	ng/ml
64) S	DCBP (S)	10.788	77309952	108.884	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.408	12694	0.224	ng/ml
3)	Aroclor 1016 (2)	6.910	64227	0.708	ng/ml
4)	Aroclor 1016 (3)	7.021	69875	1.622	ng/ml
5)	Aroclor 1016 (4)	7.114	67514	1.448	ng/ml
6)	Aroclor 1016 (5)	7.159	78723	1.552	ng/ml
7)	Aroclor 1016 (6)	7.287	89995	1.805	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.905	41210	3.746	ng/ml
10)	Aroclor 1221 (2)	5.982	30460	2.743	ng/ml
11)	Aroclor 1221 (3)	6.037	2067026	56.554	ng/ml
12)	Aroclor 1221 (4)	6.585	53551	6.769	ng/ml
13)	Aroclor 1221 (5)	6.910	64227	10.679	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	6.037	2067026	67.787	ng/ml
16)	Aroclor 1232 (2)	6.408	12694	0.628	ng/ml
17)	Aroclor 1232 (3)	6.910	64227	1.915	ng/ml
18)	Aroclor 1232 (4)	7.114	67514	4.841	ng/ml
19)	Aroclor 1232 (5)	7.159	78723	4.948	ng/ml
20)	Aroclor 1232 (6)	7.287	89995	5.537	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.408	12694	0.338	ng/ml
23)	Aroclor 1242 (2)	6.910	64227	1.068	ng/ml
24)	Aroclor 1242 (3)	7.021	69875	2.406	ng/ml
25)	Aroclor 1242 (4)	7.114	67514	2.368	ng/ml

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_09.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 09:29
Operator : KAK
Sample : 1A15009-CCB1
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 15 14:40:30 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
26)	Aroclor 1242 (5)	7.159	78723	2.384 ng/ml
27)	Aroclor 1242 (6)	7.287	89995	2.693 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.876	127809	3.351 ng/ml
30)	Aroclor 1248 (2)	7.104	65263	1.199 ng/ml
31)	Aroclor 1248 (3)	7.159	78723	1.587 ng/ml
32)	Aroclor 1248 (4)	7.282	85648	1.479 ng/ml
33)	Aroclor 1248 (5)	7.660	122852	1.689 ng/ml
34)	Aroclor 1248 (6)	7.779	2589974	43.415 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.628	102748	1.444 ng/ml
37)	Aroclor 1254 (2)	7.779	2589974	23.786 ng/ml
38)	Aroclor 1254 (3)	8.127	104500	0.937 ng/ml
39)	Aroclor 1254 (4)	8.384	3673956	44.935 ng/ml
40)	Aroclor 1254 (5)	8.704	94300	1.093 ng/ml
41)	Aroclor 1254 (6)	8.940	105354	4.365 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	8.267	116456	1.211 ng/ml
44)	Aroclor 1260 (2)	8.515f	137065	1.193 ng/ml
45)	Aroclor 1260 (3)	8.704	94300	0.834 ng/ml
46)	Aroclor 1260 (4)	9.207	53882	0.328 ng/ml
47)	Aroclor 1260 (5)	9.480	91185	0.939 ng/ml
48)	Aroclor 1260 (6)	10.080	169969	4.389 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	8.515f	137065	1.712 ng/ml
51)	Aroclor 1262 (2)	8.775	85214	0.748 ng/ml
52)	Aroclor 1262 (3)	8.959	107850	1.221 ng/ml
53)	Aroclor 1262 (4)	9.207	53882	0.316 ng/ml
54)	Aroclor 1262 (5)	9.480	91185	0.866 ng/ml
55)	Aroclor 1262 (6)	10.080	169969	3.735 ng/ml

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_09.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 09:29
Operator : KAK
Sample : 1A15009-CCB1
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 15 14:40:30 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	9.001	70988	1.468	ng/ml
58)	Aroclor 1268 (2)	9.480	91185	0.483	ng/ml
59)	Aroclor 1268 (3)	9.546	72205	0.478	ng/ml
60)	Aroclor 1268 (4)	9.778	1992375	14.940	ng/ml
61)	Aroclor 1268 (5)	10.080	169969	3.427	ng/ml
62)	Aroclor 1268 (6)	10.455	3255795	9.498	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

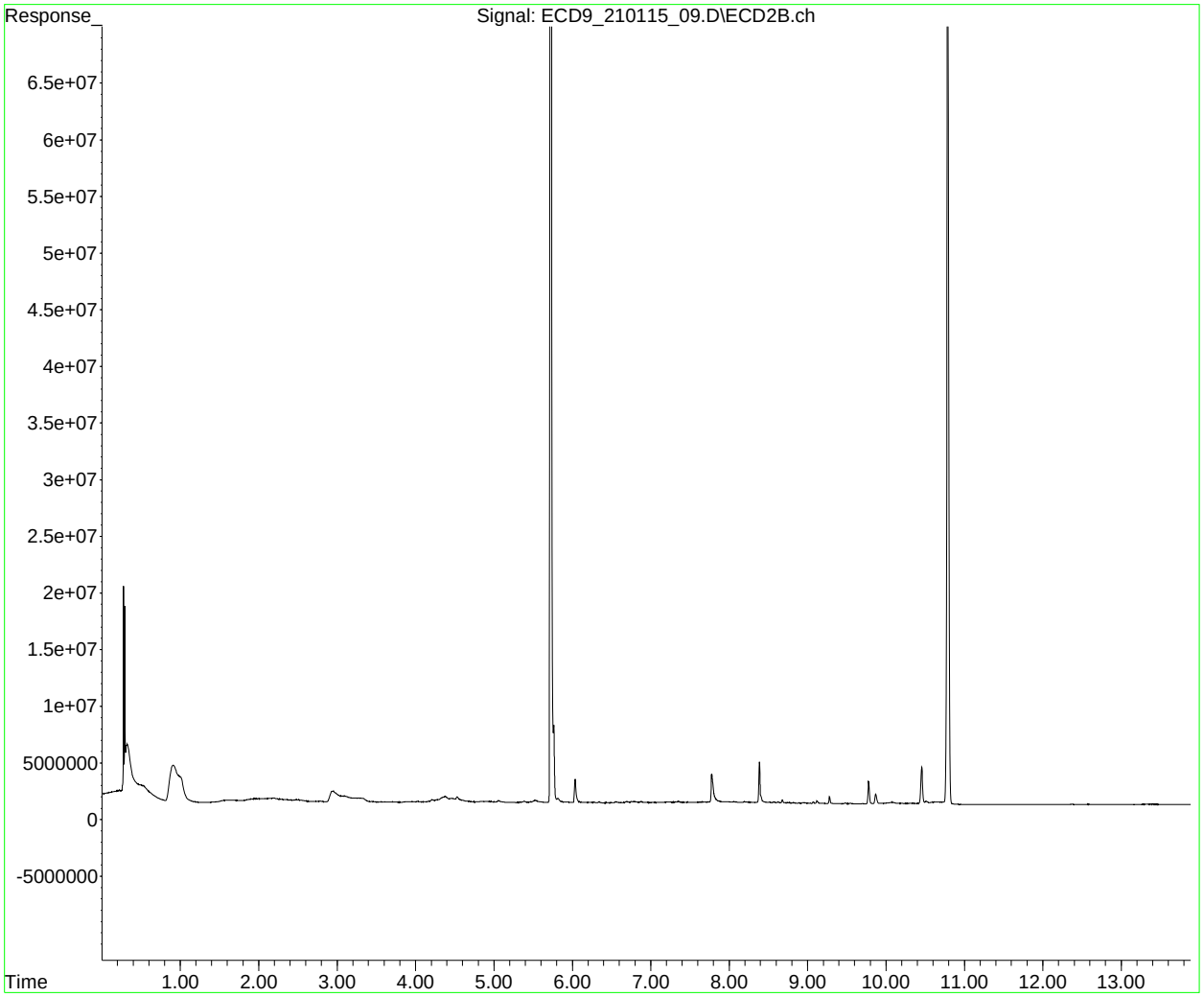
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_09.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 09:29
Operator : KAK
Sample : 1A15009-CCB1
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 15 14:40:30 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_11.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 09:47
Operator : KAK
Sample : A0K0482-12
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 15 14:42:03 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	5.726	377881716	236.320	ng/ml
64) S	DCBP (S)	10.787	203659173	286.836	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.405	92165	1.625	ng/ml
3)	Aroclor 1016 (2)	6.898	351156	3.868	ng/ml
4)	Aroclor 1016 (3)	7.029	207304	4.812	ng/ml
5)	Aroclor 1016 (4)	7.115	508816	10.910	ng/ml
6)	Aroclor 1016 (5)	7.160	581085	11.457	ng/ml
7)	Aroclor 1016 (6)	7.287	442070	8.865	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.904	41078	3.734	ng/ml
10)	Aroclor 1221 (2)	5.979	33485	3.015	ng/ml
11)	Aroclor 1221 (3)	6.037	4254817	116.413	ng/ml
12)	Aroclor 1221 (4)	6.582	94012	11.884	ng/ml
13)	Aroclor 1221 (5)	6.898	351156	58.387	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	6.037	4254817	139.535	ng/ml
16)	Aroclor 1232 (2)	6.405	92165	4.562	ng/ml
17)	Aroclor 1232 (3)	6.898	351156	10.467	ng/ml
18)	Aroclor 1232 (4)	7.115	508816	36.483	ng/ml
19)	Aroclor 1232 (5)	7.160	581085	36.525	ng/ml
20)	Aroclor 1232 (6)	7.287	442070	27.197	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.405	92165	2.457	ng/ml
23)	Aroclor 1242 (2)	6.898	351156	5.837	ng/ml
24)	Aroclor 1242 (3)	7.029	207304	7.137	ng/ml
25)	Aroclor 1242 (4)	7.115	508816	17.843	ng/ml

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_11.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 09:47
Operator : KAK
Sample : A0K0482-12
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 15 14:42:03 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
26)	Aroclor 1242 (5)	7.160	581085	17.595	ng/ml
27)	Aroclor 1242 (6)	7.287	442070	13.231	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.872	324548	8.510	ng/ml
30)	Aroclor 1248 (2)	7.115	508816	9.350	ng/ml
31)	Aroclor 1248 (3)	7.160	581085	11.713	ng/ml
32)	Aroclor 1248 (4)	7.287	442070	7.634	ng/ml
33)	Aroclor 1248 (5)	7.656	739735	10.169	ng/ml
34)	Aroclor 1248 (6)	7.811	1966501	32.964	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.634	789994	11.099	ng/ml
37)	Aroclor 1254 (2)	7.811	1966501	18.060	ng/ml
38)	Aroclor 1254 (3)	8.116	1227391	11.006	ng/ml
39)	Aroclor 1254 (4)	8.383	3330915	40.739	ng/ml
40)	Aroclor 1254 (5)	8.708	1066542	12.358	ng/ml
41)	Aroclor 1254 (6)	8.940	310914	12.882	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.266	1053231	10.956	ng/ml
44)	Aroclor 1260 (2)	8.474	1289146	11.225	ng/ml
45)	Aroclor 1260 (3)	8.708	1066542	9.434	ng/ml
46)	Aroclor 1260 (4)	9.208	888947	5.411	ng/ml
47)	Aroclor 1260 (5)	9.481	675029	6.948	ng/ml
48)	Aroclor 1260 (6)	10.080	362726	9.366	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	8.474	1289146	16.106	ng/ml
51)	Aroclor 1262 (2)	8.778	681806	5.986	ng/ml
52)	Aroclor 1262 (3)	8.958	579585	6.561	ng/ml
53)	Aroclor 1262 (4)	9.208	888947	5.213	ng/ml
54)	Aroclor 1262 (5)	9.481	675029	6.411	ng/ml
55)	Aroclor 1262 (6)	10.080	362726	7.970	ng/ml

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_11.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 09:47
Operator : KAK
Sample : A0K0482-12
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 15 14:42:03 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	9.002	150865	3.119	ng/ml
58)	Aroclor 1268 (2)	9.481	675029	3.572	ng/ml
59)	Aroclor 1268 (3)	9.548	371003	2.455	ng/ml
60)	Aroclor 1268 (4)	9.778	4015435	30.110	ng/ml
61)	Aroclor 1268 (5)	10.080	362726	7.312	ng/ml
62)	Aroclor 1268 (6)	10.454	7216595	21.052	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

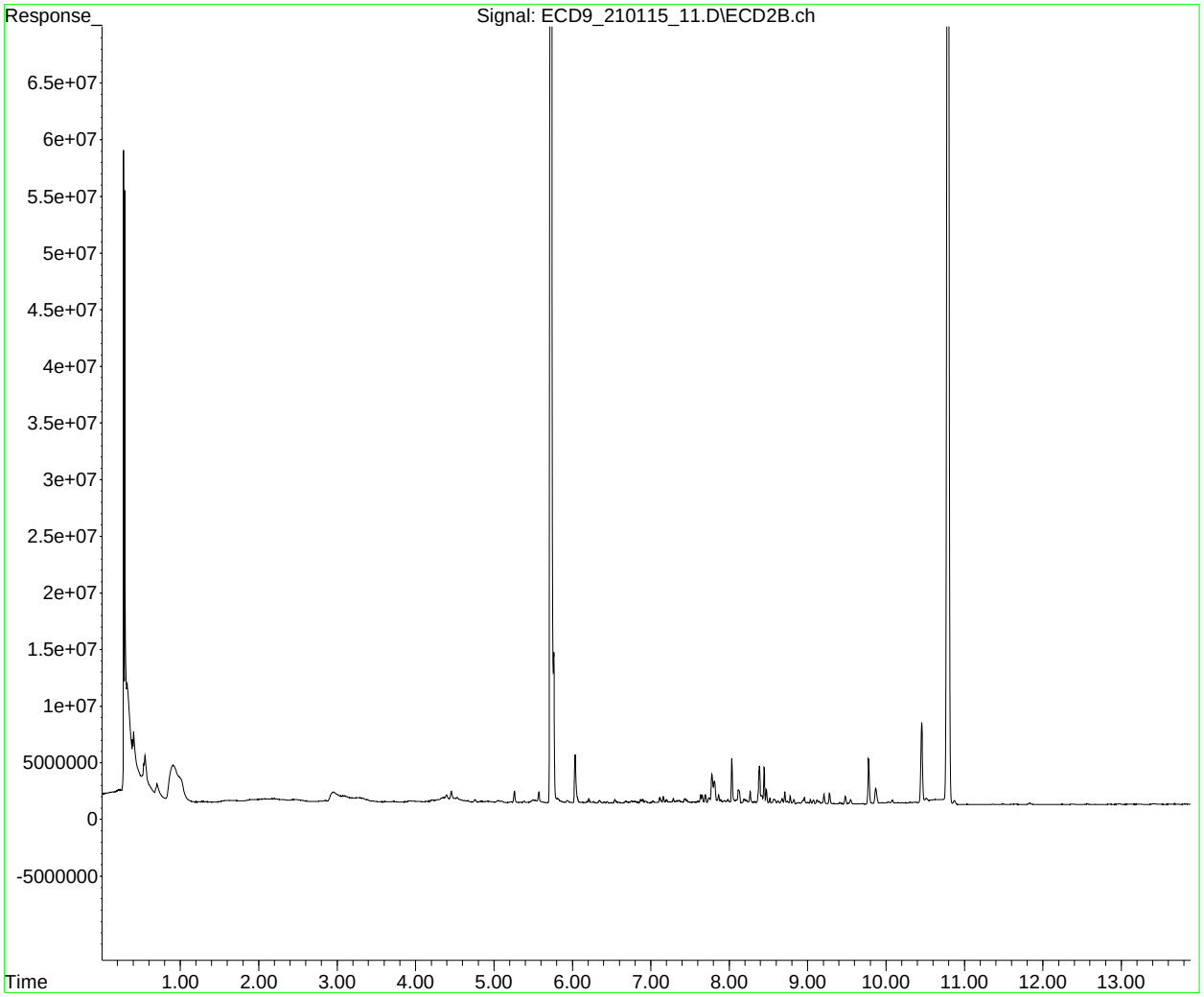
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_11.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 09:47
Operator : KAK
Sample : A0K0482-12
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 15 14:42:03 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

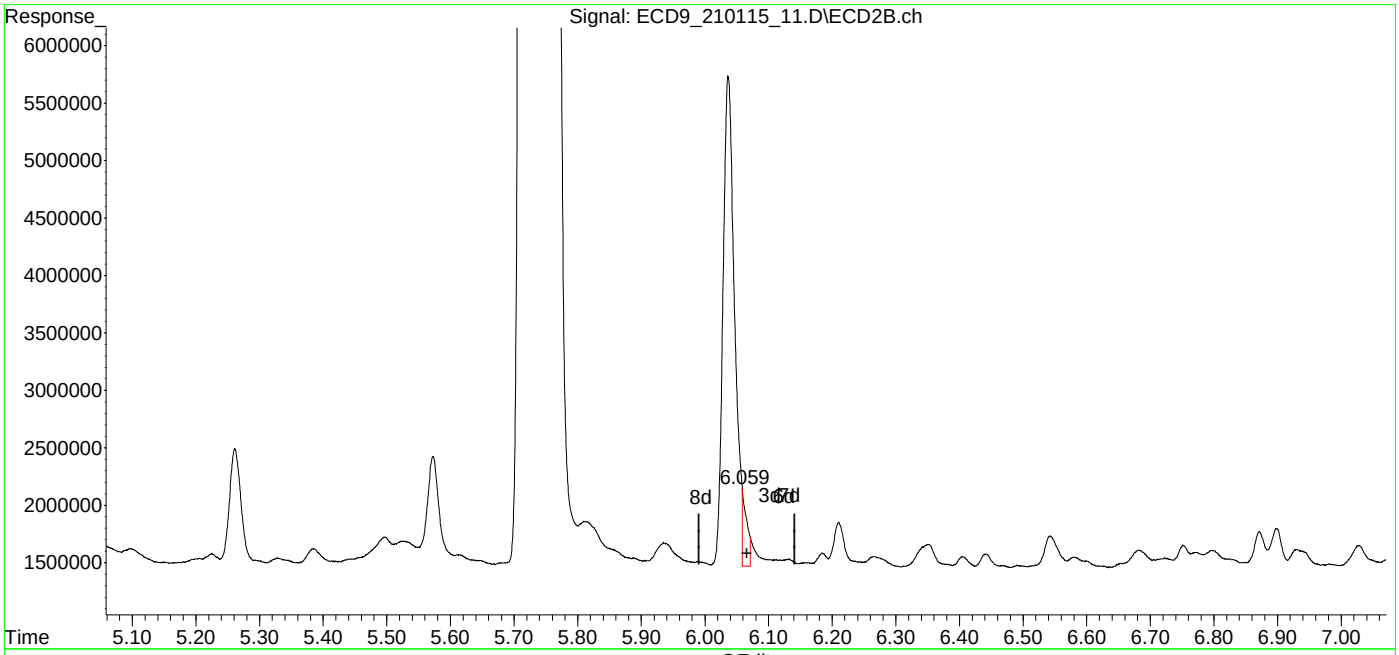


Quantitation Report (Qedit)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_11.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 09:47
Operator : KAK
Sample : A0K0482-12
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 15 14:42:03 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



(11) Aroclor 1221 (3)
6.059min 18.724 ng/ml m
response 684361

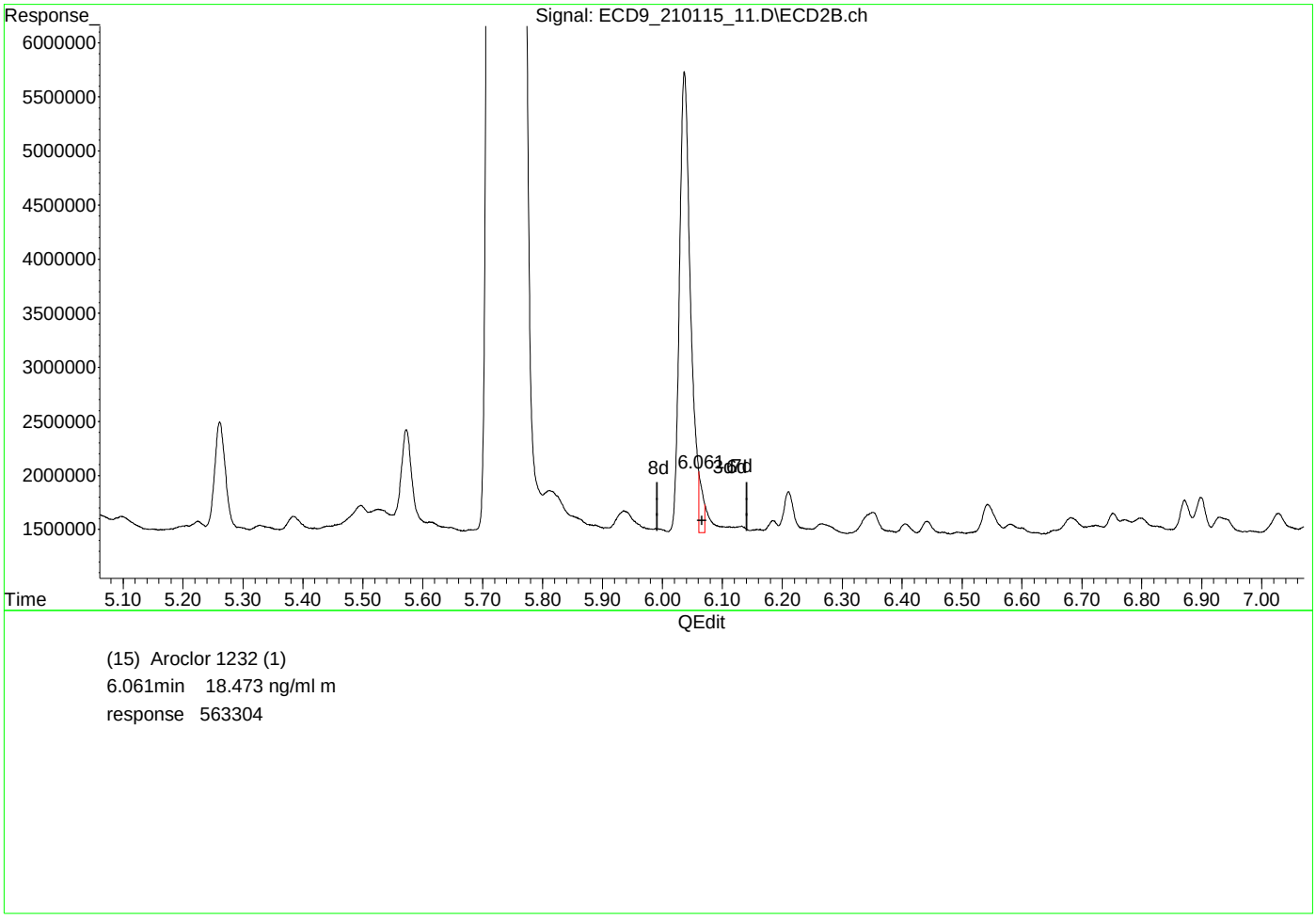
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_11.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 09:47
Operator : KAK
Sample : A0K0482-12
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 15 14:42:03 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



(15) Aroclor 1232 (1)
6.061min 18.473 ng/ml m
response 563304

(+) = Expected Retention Time

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_11.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 09:47
Operator : KAK
Sample : A0K0482-12
Misc :
ALS Vial : 55 Sample Multiplier: 1

KAK 1/15/21

1254 (J)

Integration File: events.e
Quant Time: Jan 15 14:44:29 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units	
	System Monitoring Compounds					
1) S	TCMX (S)	5.726	377881716	236.320	ng/ml	
64) S	DCBP (S)	10.787	203659173	286.836	ng/ml	
	Target Compounds					
2)	Aroclor 1016 (1)	6.405	92165	1.625	ng/ml	
3)	Aroclor 1016 (2)	6.898	351156	3.868	ng/ml	
4)	Aroclor 1016 (3)	7.029	207304	4.812	ng/ml	
5)	Aroclor 1016 (4)	7.115	508816	10.910	ng/ml	
6)	Aroclor 1016 (5)	7.160	581085	11.457	ng/ml	
7)	Aroclor 1016 (6)	7.287	442070	8.865	ng/ml	
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml	
9)	Aroclor 1221 (1)	5.904	41078	3.734	ng/ml	
10)	Aroclor 1221 (2)	5.979	33485	3.015	ng/ml	
11)	Aroclor 1221 (3)	6.059	684361	18.724	ng/mlm	
12)	Aroclor 1221 (4)	6.582	94012	11.884	ng/ml	
13)	Aroclor 1221 (5)	6.898	351156	58.387	ng/ml	
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml	
15)	Aroclor 1232 (1)	6.061	563304	18.473	ng/mlm	
16)	Aroclor 1232 (2)	6.405	92165	4.562	ng/ml	
17)	Aroclor 1232 (3)	6.898	351156	10.467	ng/ml	MDL=MRL
18)	Aroclor 1232 (4)	7.115	508816	36.483	ng/ml	
19)	Aroclor 1232 (5)	7.160	581085	36.525	ng/ml	
20)	Aroclor 1232 (6)	7.287	442070	27.197	ng/ml	
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml	
22)	Aroclor 1242 (1)	6.405	92165	2.457	ng/ml	
23)	Aroclor 1242 (2)	6.898	351156	5.837	ng/ml	
24)	Aroclor 1242 (3)	7.029	207304	7.137	ng/ml	
25)	Aroclor 1242 (4)	7.115	508816	17.843	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_11.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 09:47
Operator : KAK
Sample : A0K0482-12
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 15 14:44:29 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
26)	Aroclor 1242 (5)	7.160	581085	17.595	ng/ml
27)	Aroclor 1242 (6)	7.287	442070	13.231	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.872	324548	8.510	ng/ml
30)	Aroclor 1248 (2)	7.115	508816	9.350	ng/ml
31)	Aroclor 1248 (3)	7.160	581085	11.713	ng/ml
32)	Aroclor 1248 (4)	7.287	442070	7.634	ng/ml
33)	Aroclor 1248 (5)	7.656	739735	10.169	ng/ml
34)	Aroclor 1248 (6)	7.811	1966501	32.964	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.634	789994	11.099	ng/ml
37)	Aroclor 1254 (2)	7.811	1966501	18.060	ng/ml
38)	Aroclor 1254 (3)	8.116	1227391	11.006	ng/ml
39)	Aroclor 1254 (4)	8.383	3330915	40.739	ng/ml
40)	Aroclor 1254 (5)	8.708	1066542	12.358	ng/ml
41)	Aroclor 1254 (6)	8.940	310914	12.882	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.266	1053231	10.956	ng/ml
44)	Aroclor 1260 (2)	8.474	1289146	11.225	ng/ml
45)	Aroclor 1260 (3)	8.708	1066542	9.434	ng/ml
46)	Aroclor 1260 (4)	9.208	888947	5.411	ng/ml
47)	Aroclor 1260 (5)	9.481	675029	6.948	ng/ml
48)	Aroclor 1260 (6)	10.080	362726	9.366	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	8.474	1289146	16.106	ng/ml
51)	Aroclor 1262 (2)	8.778	681806	5.986	ng/ml
52)	Aroclor 1262 (3)	8.958	579585	6.561	ng/ml
53)	Aroclor 1262 (4)	9.208	888947	5.213	ng/ml
54)	Aroclor 1262 (5)	9.481	675029	6.411	ng/ml
55)	Aroclor 1262 (6)	10.080	362726	7.970	ng/ml

13.081

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_11.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 09:47
Operator : KAK
Sample : A0K0482-12
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 15 14:44:29 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	9.002	150865	3.119	ng/ml
58)	Aroclor 1268 (2)	9.481	675029	3.572	ng/ml
59)	Aroclor 1268 (3)	9.548	371003	2.455	ng/ml
60)	Aroclor 1268 (4)	9.778	4015435	30.110	ng/ml
61)	Aroclor 1268 (5)	10.080	362726	7.312	ng/ml
62)	Aroclor 1268 (6)	10.454	7216595	21.052	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

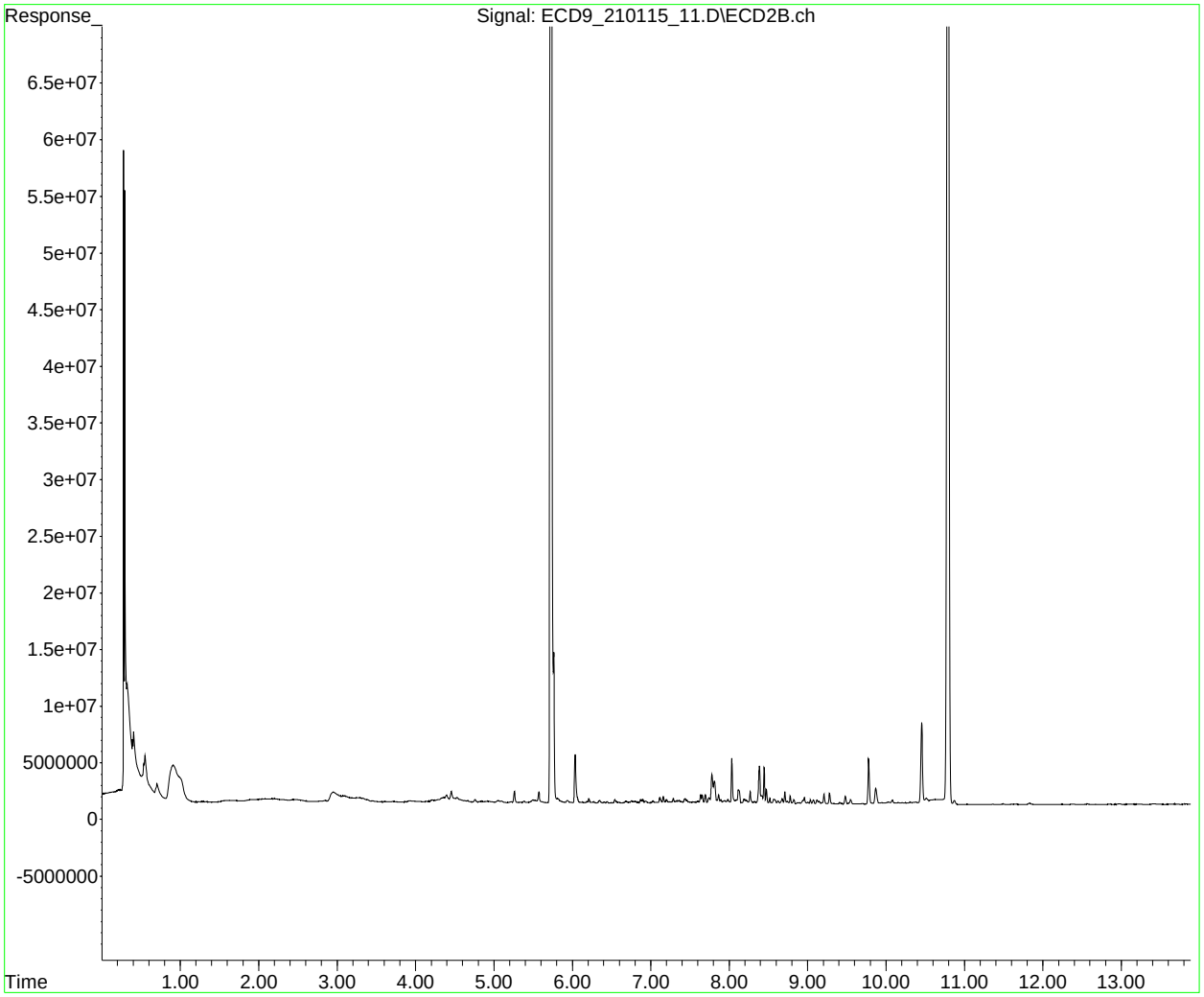
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_11.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 09:47
Operator : KAK
Sample : A0K0482-12
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 15 14:44:29 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_15.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 10:26
Operator : KAK
Sample : A0K0482-13
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 15 14:54:17 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	5.726	343095551	214.566	ng/ml
64)	S DCBP (S)	10.787	195087386	274.764	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.405	52427	0.924	ng/ml
3)	Aroclor 1016 (2)	6.899	209414	2.307	ng/ml
4)	Aroclor 1016 (3)	7.027	186044	4.318	ng/ml
5)	Aroclor 1016 (4)	7.116	251704	5.397	ng/ml
6)	Aroclor 1016 (5)	7.161	258043	5.088	ng/ml
7)	Aroclor 1016 (6)	7.286	273351	5.482	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.907	48537	4.412	ng/ml
10)	Aroclor 1221 (2)	5.972	47306	4.259	ng/ml
11)	Aroclor 1221 (3)	6.036	3998767	109.407	ng/ml
12)	Aroclor 1221 (4)	6.580	94006	11.883	ng/ml
13)	Aroclor 1221 (5)	6.899	209414	34.820	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	6.036	3998767	131.138	ng/ml
16)	Aroclor 1232 (2)	6.405	52427	2.595	ng/ml
17)	Aroclor 1232 (3)	6.899	209414	6.242	ng/ml
18)	Aroclor 1232 (4)	7.116	251704	18.048	ng/ml
19)	Aroclor 1232 (5)	7.161	258043	16.220	ng/ml
20)	Aroclor 1232 (6)	7.286	273351	16.817	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.405	52427	1.397	ng/ml
23)	Aroclor 1242 (2)	6.899	209414	3.481	ng/ml
24)	Aroclor 1242 (3)	7.027	186044	6.405	ng/ml
25)	Aroclor 1242 (4)	7.116	251704	8.827	ng/ml

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_15.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 10:26
Operator : KAK
Sample : A0K0482-13
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 15 14:54:17 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
26)	Aroclor 1242 (5)	7.161	258043	7.813 ng/ml
27)	Aroclor 1242 (6)	7.286	273351	8.181 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.873	204487	5.362 ng/ml
30)	Aroclor 1248 (2)	7.116	251704	4.625 ng/ml
31)	Aroclor 1248 (3)	7.161	258043	5.201 ng/ml
32)	Aroclor 1248 (4)	7.286	273351	4.721 ng/ml
33)	Aroclor 1248 (5)	7.656	383732	5.275 ng/ml
34)	Aroclor 1248 (6)	7.780	2293749	38.449 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.634	327819	4.606 ng/ml
37)	Aroclor 1254 (2)	7.780	2293749	21.066 ng/ml
38)	Aroclor 1254 (3)	8.128	387077	3.471 ng/ml
39)	Aroclor 1254 (4)	8.384	3046180	37.256 ng/ml
40)	Aroclor 1254 (5)	8.709	463038	5.365 ng/ml
41)	Aroclor 1254 (6)	8.939	189353	7.845 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	8.266	430036	4.473 ng/ml
44)	Aroclor 1260 (2)	8.474	599388	5.219 ng/ml
45)	Aroclor 1260 (3)	8.709	463038	4.096 ng/ml
46)	Aroclor 1260 (4)	9.208	468577	2.852 ng/ml
47)	Aroclor 1260 (5)	9.481	478499	4.925 ng/ml
48)	Aroclor 1260 (6)	10.079	265047	6.844 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	8.474	599388	7.488 ng/ml
51)	Aroclor 1262 (2)	8.779	424052	3.723 ng/ml
52)	Aroclor 1262 (3)	8.959	318027	3.600 ng/ml
53)	Aroclor 1262 (4)	9.208	468577	2.748 ng/ml
54)	Aroclor 1262 (5)	9.481	478499	4.545 ng/ml
55)	Aroclor 1262 (6)	10.079	265047	5.824 ng/ml

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_15.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 10:26
Operator : KAK
Sample : A0K0482-13
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 15 14:54:17 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	9.001	157555	3.257	ng/ml
58)	Aroclor 1268 (2)	9.481	478499	2.532	ng/ml
59)	Aroclor 1268 (3)	9.548	312870	2.071	ng/ml
60)	Aroclor 1268 (4)	9.778	4094032	30.699	ng/ml
61)	Aroclor 1268 (5)	10.079	265047	5.343	ng/ml
62)	Aroclor 1268 (6)	10.453	7286608	21.256	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

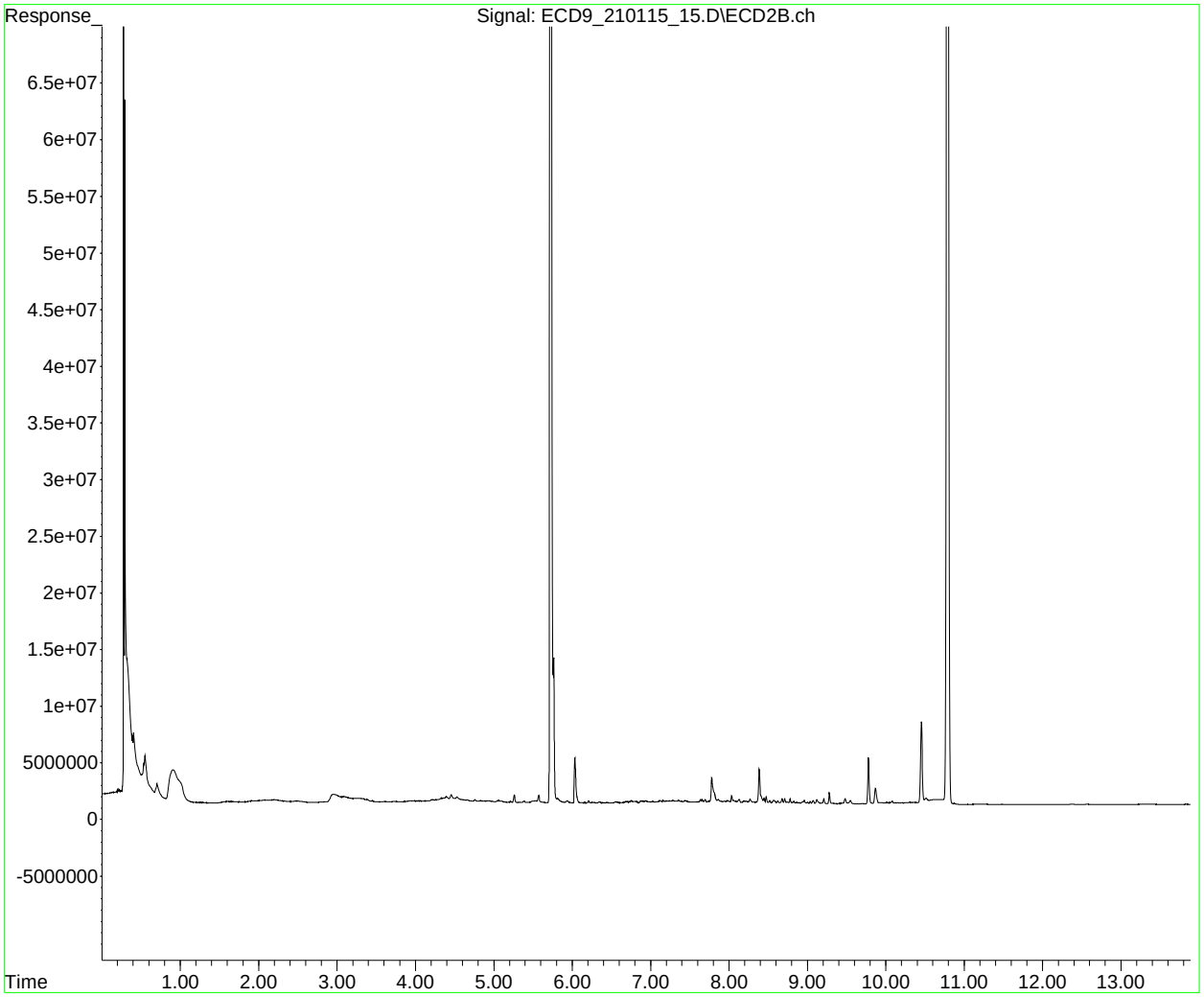
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_15.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 10:26
Operator : KAK
Sample : A0K0482-13
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 15 14:54:17 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_15.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 10:26
Operator : KAK
Sample : A0K0482-13
Misc :
ALS Vial : 56 Sample Multiplier: 1

KAK 1/15/21

Integration File: events.e
Quant Time: Jan 15 14:54:17 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units	
	System Monitoring Compounds					
1) S	TCMX (S)	5.726	343095551	214.566	ng/ml	
64) S	DCBP (S)	10.787	195087386	274.764	ng/ml	
	Target Compounds					
2)	Aroclor 1016 (1)	6.405	52427	0.924	ng/ml	
3)	Aroclor 1016 (2)	6.899	209414	2.307	ng/ml	
4)	Aroclor 1016 (3)	7.027	186044	4.318	ng/ml	
5)	Aroclor 1016 (4)	7.116	251704	5.397	ng/ml	
6)	Aroclor 1016 (5)	7.161	258043	5.088	ng/ml	
7)	Aroclor 1016 (6)	7.286	273351	5.482	ng/ml	
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml	
9)	Aroclor 1221 (1)	5.907	48537	4.412	ng/ml	
10)	Aroclor 1221 (2)	5.972	47306	4.259	ng/ml	
11)	Aroclor 1221 (3)	6.036	3998767	109.407	ng/ml	
12)	Aroclor 1221 (4)	6.580	94006	11.883	ng/ml	
13)	Aroclor 1221 (5)	6.899	209414	34.820	ng/ml	
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml	
15)	Aroclor 1232 (1)	6.036	3998767	131.138	ng/ml	
16)	Aroclor 1232 (2)	6.405	52427	2.595	ng/ml	
17)	Aroclor 1232 (3)	6.899	209414	6.242	ng/ml	
18)	Aroclor 1232 (4)	7.116	251704	18.048	ng/ml	MDL=MRL
19)	Aroclor 1232 (5)	7.161	258043	16.220	ng/ml	
20)	Aroclor 1232 (6)	7.286	273351	16.817	ng/ml	
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml	
22)	Aroclor 1242 (1)	6.405	52427	1.397	ng/ml	
23)	Aroclor 1242 (2)	6.899	209414	3.481	ng/ml	
24)	Aroclor 1242 (3)	7.027	186044	6.405	ng/ml	
25)	Aroclor 1242 (4)	7.116	251704	8.827	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_15.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 10:26
Operator : KAK
Sample : A0K0482-13
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 15 14:54:17 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
26)	Aroclor 1242 (5)	7.161	258043	7.813	ng/ml
27)	Aroclor 1242 (6)	7.286	273351	8.181	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.873	204487	5.362	ng/ml
30)	Aroclor 1248 (2)	7.116	251704	4.625	ng/ml
31)	Aroclor 1248 (3)	7.161	258043	5.201	ng/ml
32)	Aroclor 1248 (4)	7.286	273351	4.721	ng/ml
33)	Aroclor 1248 (5)	7.656	383732	5.275	ng/ml
34)	Aroclor 1248 (6)	7.780	2293749	38.449	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.634	327819	4.606	ng/ml
37)	Aroclor 1254 (2)	7.780	2293749	21.066	ng/ml
38)	Aroclor 1254 (3)	8.128	387077	3.471	ng/ml
39)	Aroclor 1254 (4)	8.384	3046180	37.256	ng/ml
40)	Aroclor 1254 (5)	8.709	463038	5.365	ng/ml
41)	Aroclor 1254 (6)	8.939	189353	7.845	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.266	430036	4.473	ng/ml
44)	Aroclor 1260 (2)	8.474	599388	5.219	ng/ml
45)	Aroclor 1260 (3)	8.709	463038	4.096	ng/ml
46)	Aroclor 1260 (4)	9.208	468577	2.852	ng/ml
47)	Aroclor 1260 (5)	9.481	478499	4.925	ng/ml
48)	Aroclor 1260 (6)	10.079	265047	6.844	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	8.474	599388	7.488	ng/ml
51)	Aroclor 1262 (2)	8.779	424052	3.723	ng/ml
52)	Aroclor 1262 (3)	8.959	318027	3.600	ng/ml
53)	Aroclor 1262 (4)	9.208	468577	2.748	ng/ml
54)	Aroclor 1262 (5)	9.481	478499	4.545	ng/ml
55)	Aroclor 1262 (6)	10.079	265047	5.824	ng/ml

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_15.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 10:26
Operator : KAK
Sample : A0K0482-13
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 15 14:54:17 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	9.001	157555	3.257	ng/ml
58)	Aroclor 1268 (2)	9.481	478499	2.532	ng/ml
59)	Aroclor 1268 (3)	9.548	312870	2.071	ng/ml
60)	Aroclor 1268 (4)	9.778	4094032	30.699	ng/ml
61)	Aroclor 1268 (5)	10.079	265047	5.343	ng/ml
62)	Aroclor 1268 (6)	10.453	7286608	21.256	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

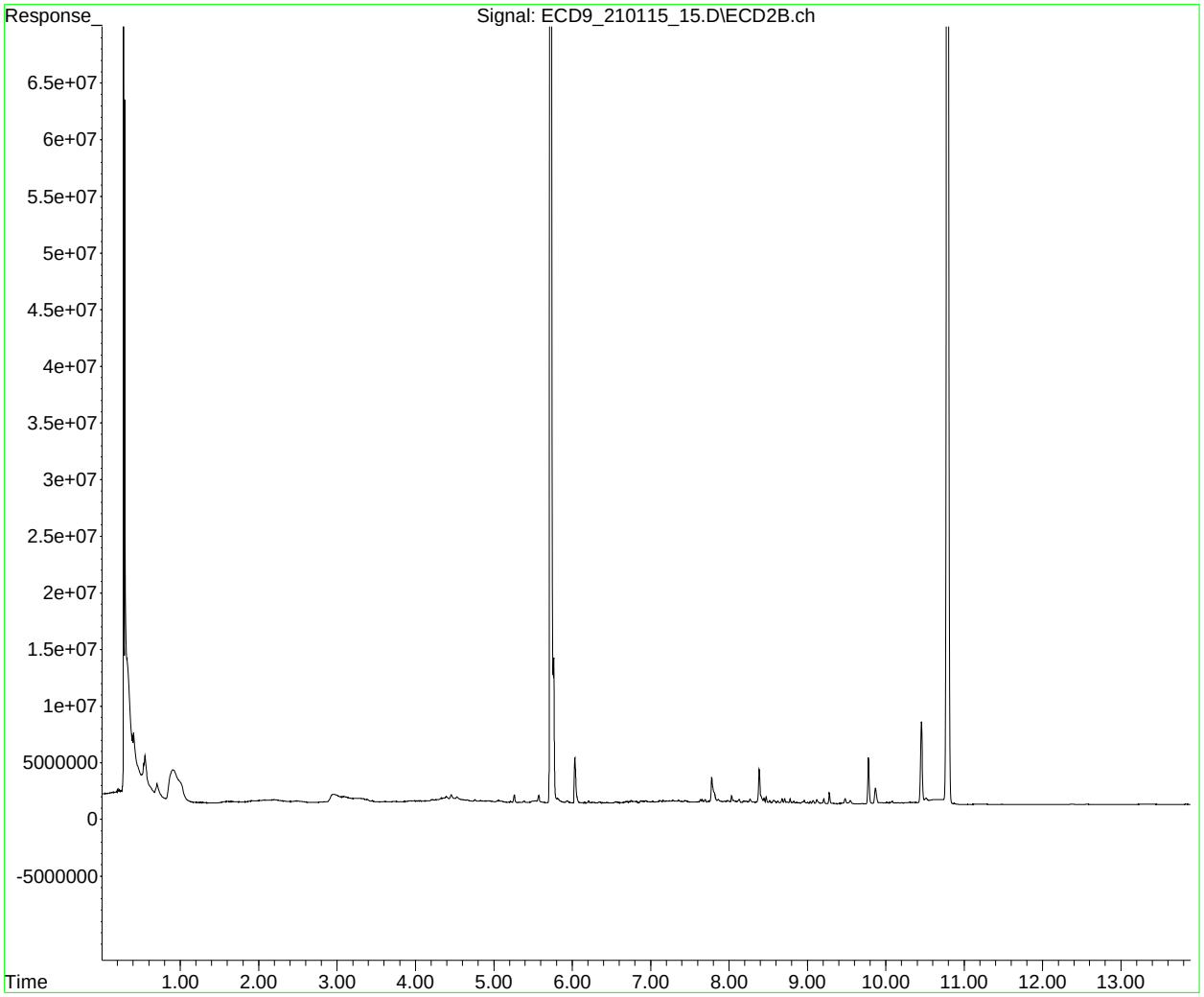
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_15.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 10:26
Operator : KAK
Sample : A0K0482-13
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 15 14:54:17 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_19.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 11:02
Operator : KAK
Sample : A0K0482-14
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 15 15:08:06 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	5.726	354823656	221.900	ng/ml
64)	S DCBP (S)	10.788	193490912	272.515	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.405	42999	0.758	ng/ml
3)	Aroclor 1016 (2)	6.898	174744	1.925	ng/ml
4)	Aroclor 1016 (3)	7.027	139705	3.243	ng/ml
5)	Aroclor 1016 (4)	7.116	225792	4.842	ng/ml
6)	Aroclor 1016 (5)	7.161	186768	3.682	ng/ml
7)	Aroclor 1016 (6)	7.287	212998	4.271	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.905	32799	2.981	ng/ml
10)	Aroclor 1221 (2)	5.979	21106	1.900	ng/ml
11)	Aroclor 1221 (3)	6.036	4075952	111.519	ng/ml
12)	Aroclor 1221 (4)	6.581	71353	9.019	ng/ml
13)	Aroclor 1221 (5)	6.898	174744	29.055	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	6.036	4075952	133.670	ng/ml
16)	Aroclor 1232 (2)	6.405	42999	2.128	ng/ml
17)	Aroclor 1232 (3)	6.898	174744	5.209	ng/ml
18)	Aroclor 1232 (4)	7.116	225792	16.190	ng/ml
19)	Aroclor 1232 (5)	7.161	186768	11.740	ng/ml
20)	Aroclor 1232 (6)	7.287	212998	13.104	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.405	42999	1.146	ng/ml
23)	Aroclor 1242 (2)	6.898	174744	2.905	ng/ml
24)	Aroclor 1242 (3)	7.027	139705	4.810	ng/ml
25)	Aroclor 1242 (4)	7.116	225792	7.918	ng/ml

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_19.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 11:02
Operator : KAK
Sample : A0K0482-14
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 15 15:08:06 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
26)	Aroclor 1242 (5)	7.161	186768	5.655	ng/ml
27)	Aroclor 1242 (6)	7.287	212998	6.375	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.871	186511	4.890	ng/ml
30)	Aroclor 1248 (2)	7.116	225792	4.149	ng/ml
31)	Aroclor 1248 (3)	7.161	186768	3.765	ng/ml
32)	Aroclor 1248 (4)	7.287	212998	3.678	ng/ml
33)	Aroclor 1248 (5)	7.656	246426	3.388	ng/ml
34)	Aroclor 1248 (6)	7.782	2036359	34.135	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.633	270370	3.799	ng/ml
37)	Aroclor 1254 (2)	7.782	2036359	18.702	ng/ml
38)	Aroclor 1254 (3)	8.115	460031	4.125	ng/ml
39)	Aroclor 1254 (4)	8.385	2924668	35.770	ng/ml
40)	Aroclor 1254 (5)	8.711	134415	1.558	ng/ml
41)	Aroclor 1254 (6)	8.940	111577	4.623	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.266	236457	2.460	ng/ml
44)	Aroclor 1260 (2)	8.473	244146	2.126	ng/ml
45)	Aroclor 1260 (3)	8.711	134415	1.189	ng/ml
46)	Aroclor 1260 (4)	9.208	159772	0.973	ng/ml
47)	Aroclor 1260 (5)	9.482	254605	2.621	ng/ml
48)	Aroclor 1260 (6)	10.078	169356	4.373	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	8.473	244146	3.050	ng/ml
51)	Aroclor 1262 (2)	8.778	164935	1.448	ng/ml
52)	Aroclor 1262 (3)	8.959	160815	1.820	ng/ml
53)	Aroclor 1262 (4)	9.208	159772	0.937	ng/ml
54)	Aroclor 1262 (5)	9.482	254605	2.418	ng/ml
55)	Aroclor 1262 (6)	10.078	169356	3.721	ng/ml

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_19.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 11:02
Operator : KAK
Sample : A0K0482-14
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 15 15:08:06 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	9.002	114057	2.358	ng/ml
58)	Aroclor 1268 (2)	9.482	254605	1.347	ng/ml
59)	Aroclor 1268 (3)	9.547	176776	1.170	ng/ml
60)	Aroclor 1268 (4)	9.778	4207446	31.549	ng/ml
61)	Aroclor 1268 (5)	10.078	169356	3.414	ng/ml
62)	Aroclor 1268 (6)	10.453	7457685	21.755	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

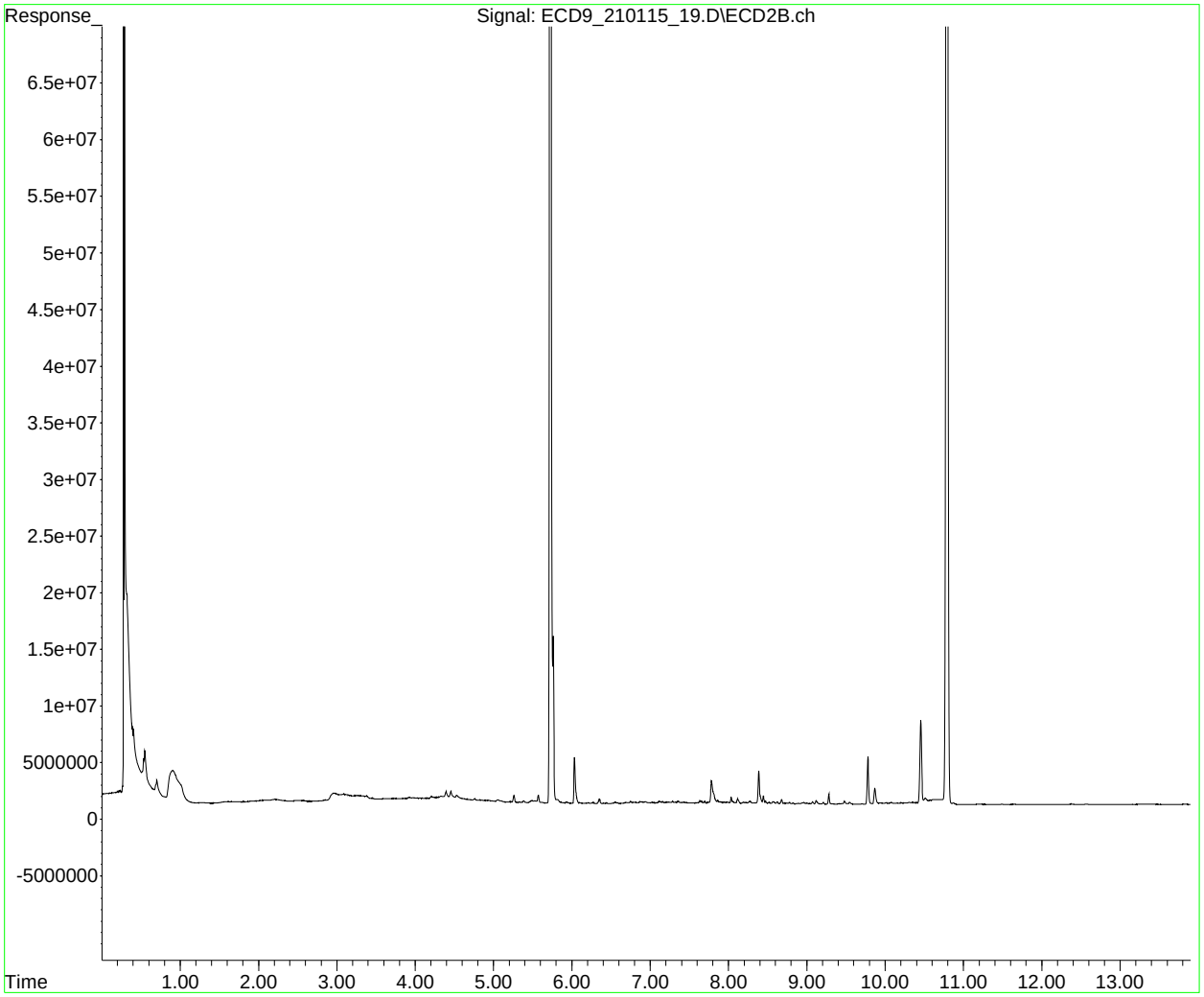
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_19.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 11:02
Operator : KAK
Sample : A0K0482-14
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 15 15:08:06 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_19.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 11:02
Operator : KAK
Sample : A0K0482-14
Misc :
ALS Vial : 57 Sample Multiplier: 1

KAK 1/15/21

Integration File: events.e
Quant Time: Jan 15 15:08:06 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units	
	System Monitoring Compounds					
1) S	TCMX (S)	5.726	354823656	221.900	ng/ml	
64) S	DCBP (S)	10.788	193490912	272.515	ng/ml	
	Target Compounds					
2)	Aroclor 1016 (1)	6.405	42999	0.758	ng/ml	
3)	Aroclor 1016 (2)	6.898	174744	1.925	ng/ml	
4)	Aroclor 1016 (3)	7.027	139705	3.243	ng/ml	
5)	Aroclor 1016 (4)	7.116	225792	4.842	ng/ml	
6)	Aroclor 1016 (5)	7.161	186768	3.682	ng/ml	
7)	Aroclor 1016 (6)	7.287	212998	4.271	ng/ml	
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml	
9)	Aroclor 1221 (1)	5.905	32799	2.981	ng/ml	
10)	Aroclor 1221 (2)	5.979	21106	1.900	ng/ml	
11)	Aroclor 1221 (3)	6.036	4075952	111.519	ng/ml	
12)	Aroclor 1221 (4)	6.581	71353	9.019	ng/ml	
13)	Aroclor 1221 (5)	6.898	174744	29.055	ng/ml	
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml	
15)	Aroclor 1232 (1)	6.036	4075952	133.670	ng/ml	
16)	Aroclor 1232 (2)	6.405	42999	2.128	ng/ml	
17)	Aroclor 1232 (3)	6.898	174744	5.209	ng/ml	
18)	Aroclor 1232 (4)	7.116	225792	16.190	ng/ml	MDL=MRL
19)	Aroclor 1232 (5)	7.161	186768	11.740	ng/ml	
20)	Aroclor 1232 (6)	7.287	212998	13.104	ng/ml	
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml	
22)	Aroclor 1242 (1)	6.405	42999	1.146	ng/ml	
23)	Aroclor 1242 (2)	6.898	174744	2.905	ng/ml	
24)	Aroclor 1242 (3)	7.027	139705	4.810	ng/ml	
25)	Aroclor 1242 (4)	7.116	225792	7.918	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_19.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 11:02
Operator : KAK
Sample : A0K0482-14
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 15 15:08:06 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
26)	Aroclor 1242 (5)	7.161	186768	5.655	ng/ml
27)	Aroclor 1242 (6)	7.287	212998	6.375	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.871	186511	4.890	ng/ml
30)	Aroclor 1248 (2)	7.116	225792	4.149	ng/ml
31)	Aroclor 1248 (3)	7.161	186768	3.765	ng/ml
32)	Aroclor 1248 (4)	7.287	212998	3.678	ng/ml
33)	Aroclor 1248 (5)	7.656	246426	3.388	ng/ml
34)	Aroclor 1248 (6)	7.782	2036359	34.135	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.633	270370	3.799	ng/ml
37)	Aroclor 1254 (2)	7.782	2036359	18.702	ng/ml
38)	Aroclor 1254 (3)	8.115	460031	4.125	ng/ml
39)	Aroclor 1254 (4)	8.385	2924668	35.770	ng/ml
40)	Aroclor 1254 (5)	8.711	134415	1.558	ng/ml
41)	Aroclor 1254 (6)	8.940	111577	4.623	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.266	236457	2.460	ng/ml
44)	Aroclor 1260 (2)	8.473	244146	2.126	ng/ml
45)	Aroclor 1260 (3)	8.711	134415	1.189	ng/ml
46)	Aroclor 1260 (4)	9.208	159772	0.973	ng/ml
47)	Aroclor 1260 (5)	9.482	254605	2.621	ng/ml
48)	Aroclor 1260 (6)	10.078	169356	4.373	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	8.473	244146	3.050	ng/ml
51)	Aroclor 1262 (2)	8.778	164935	1.448	ng/ml
52)	Aroclor 1262 (3)	8.959	160815	1.820	ng/ml
53)	Aroclor 1262 (4)	9.208	159772	0.937	ng/ml
54)	Aroclor 1262 (5)	9.482	254605	2.418	ng/ml
55)	Aroclor 1262 (6)	10.078	169356	3.721	ng/ml

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_19.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 11:02
Operator : KAK
Sample : A0K0482-14
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 15 15:08:06 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	9.002	114057	2.358	ng/ml
58)	Aroclor 1268 (2)	9.482	254605	1.347	ng/ml
59)	Aroclor 1268 (3)	9.547	176776	1.170	ng/ml
60)	Aroclor 1268 (4)	9.778	4207446	31.549	ng/ml
61)	Aroclor 1268 (5)	10.078	169356	3.414	ng/ml
62)	Aroclor 1268 (6)	10.453	7457685	21.755	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

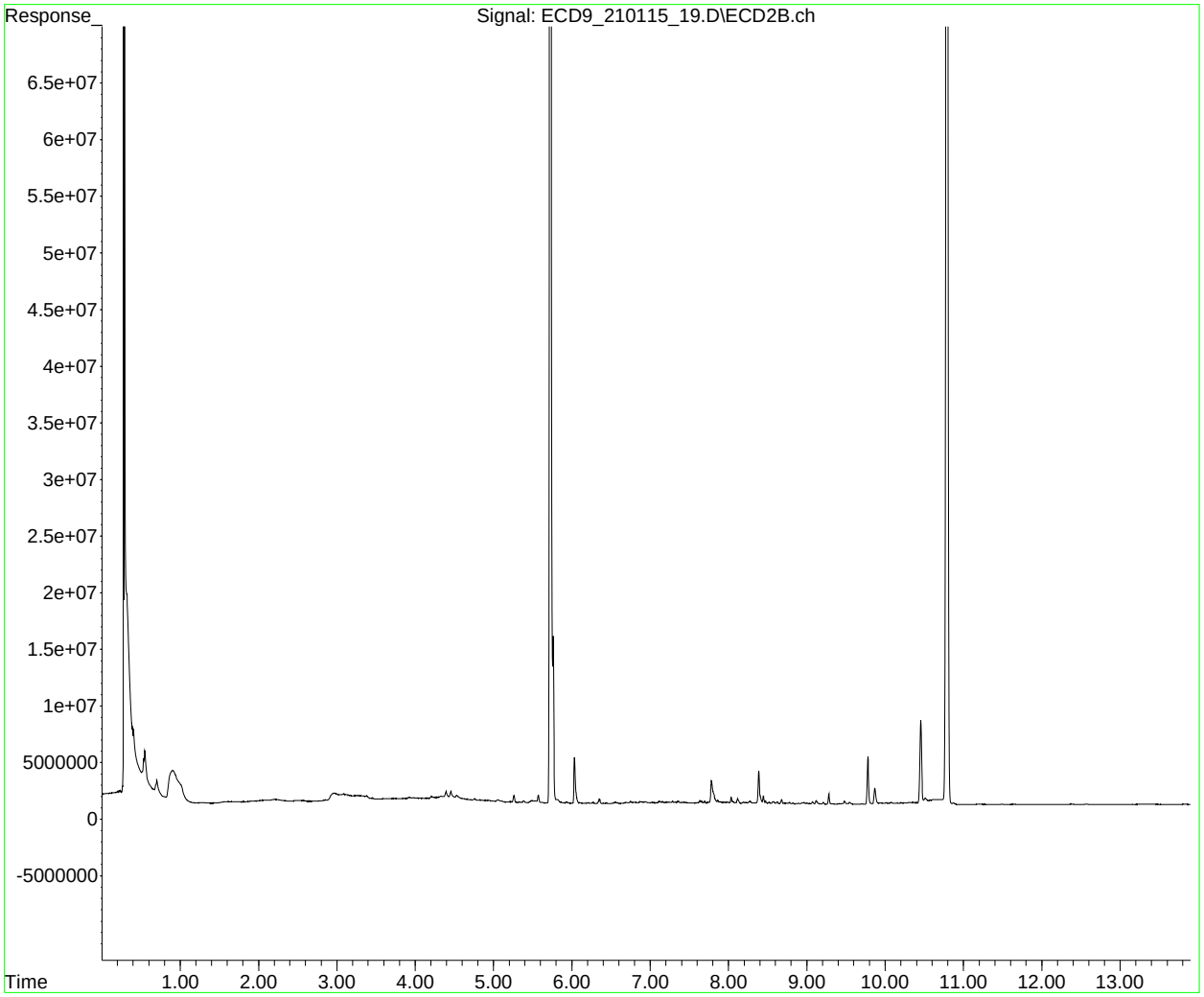
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_19.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 11:02
Operator : KAK
Sample : A0K0482-14
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 15 15:08:06 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_23.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 11:40
Operator : KAK
Sample : A0K0482-18
Misc :
ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 15 15:10:33 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	5.726	362089066	226.444	ng/ml
64) S	DCBP (S)	10.786	196130366	276.233	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.405	29031	0.512	ng/ml
3)	Aroclor 1016 (2)	6.900	145738	1.605	ng/ml
4)	Aroclor 1016 (3)	7.026	116875	2.713	ng/ml
5)	Aroclor 1016 (4)	7.116	148095	3.176	ng/ml
6)	Aroclor 1016 (5)	7.162	142126	2.802	ng/ml
7)	Aroclor 1016 (6)	7.287	161483	3.238	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.905	52019	4.728	ng/ml
10)	Aroclor 1221 (2)	5.971	35640	3.209	ng/ml
11)	Aroclor 1221 (3)	6.093	51381	1.406	ng/ml
12)	Aroclor 1221 (4)	6.583	53507	6.764	ng/ml
13)	Aroclor 1221 (5)	6.900	145738	24.232	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	6.093	51381	1.685	ng/ml
16)	Aroclor 1232 (2)	6.405	29031	1.437	ng/ml
17)	Aroclor 1232 (3)	6.900	145738	4.344	ng/ml
18)	Aroclor 1232 (4)	7.116	148095	10.619	ng/ml
19)	Aroclor 1232 (5)	7.162	142126	8.934	ng/ml
20)	Aroclor 1232 (6)	7.287	161483	9.935	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.405	29031	0.774	ng/ml
23)	Aroclor 1242 (2)	6.900	145738	2.422	ng/ml
24)	Aroclor 1242 (3)	7.026	116875	4.024	ng/ml
25)	Aroclor 1242 (4)	7.116	148095	5.193	ng/ml

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_23.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 11:40
Operator : KAK
Sample : A0K0482-18
Misc :
ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 15 15:10:33 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
26)	Aroclor 1242 (5)	7.162	142126	4.304	ng/ml
27)	Aroclor 1242 (6)	7.287	161483	4.833	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.873	143640	3.766	ng/ml
30)	Aroclor 1248 (2)	7.116	148095	2.721	ng/ml
31)	Aroclor 1248 (3)	7.162	142126	2.865	ng/ml
32)	Aroclor 1248 (4)	7.287	161483	2.789	ng/ml
33)	Aroclor 1248 (5)	7.656	188392	2.590	ng/ml
34)	Aroclor 1248 (6)	7.784	1843225	30.897	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.634	170213	2.391	ng/ml
37)	Aroclor 1254 (2)	7.784	1843225	16.928	ng/ml
38)	Aroclor 1254 (3)	8.116	203784	1.827	ng/ml
39)	Aroclor 1254 (4)	8.384	2672974	32.692	ng/ml
40)	Aroclor 1254 (5)	8.711	247780	2.871	ng/ml
41)	Aroclor 1254 (6)	8.929	131088	5.431	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.265	235054	2.445	ng/ml
44)	Aroclor 1260 (2)	8.474	332878	2.898	ng/ml
45)	Aroclor 1260 (3)	8.711	247780	2.192	ng/ml
46)	Aroclor 1260 (4)	9.208	730464	4.447	ng/ml
47)	Aroclor 1260 (5)	9.482	714574	7.355	ng/ml
48)	Aroclor 1260 (6)	10.080	476752	12.310	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	8.474	332878	4.159	ng/ml
51)	Aroclor 1262 (2)	8.778	502723	4.414	ng/ml
52)	Aroclor 1262 (3)	8.959	328791	3.722	ng/ml
53)	Aroclor 1262 (4)	9.208	730464	4.283	ng/ml
54)	Aroclor 1262 (5)	9.482	714574	6.787	ng/ml
55)	Aroclor 1262 (6)	10.080	476752	10.476	ng/ml

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_23.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 11:40
Operator : KAK
Sample : A0K0482-18
Misc :
ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 15 15:10:33 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	9.002	160285	3.314	ng/ml
58)	Aroclor 1268 (2)	9.482	714574	3.782	ng/ml
59)	Aroclor 1268 (3)	9.548	553413	3.663	ng/ml
60)	Aroclor 1268 (4)	9.777	4007703	30.052	ng/ml
61)	Aroclor 1268 (5)	10.080	476752	9.611	ng/ml
62)	Aroclor 1268 (6)	10.453	7352592	21.449	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

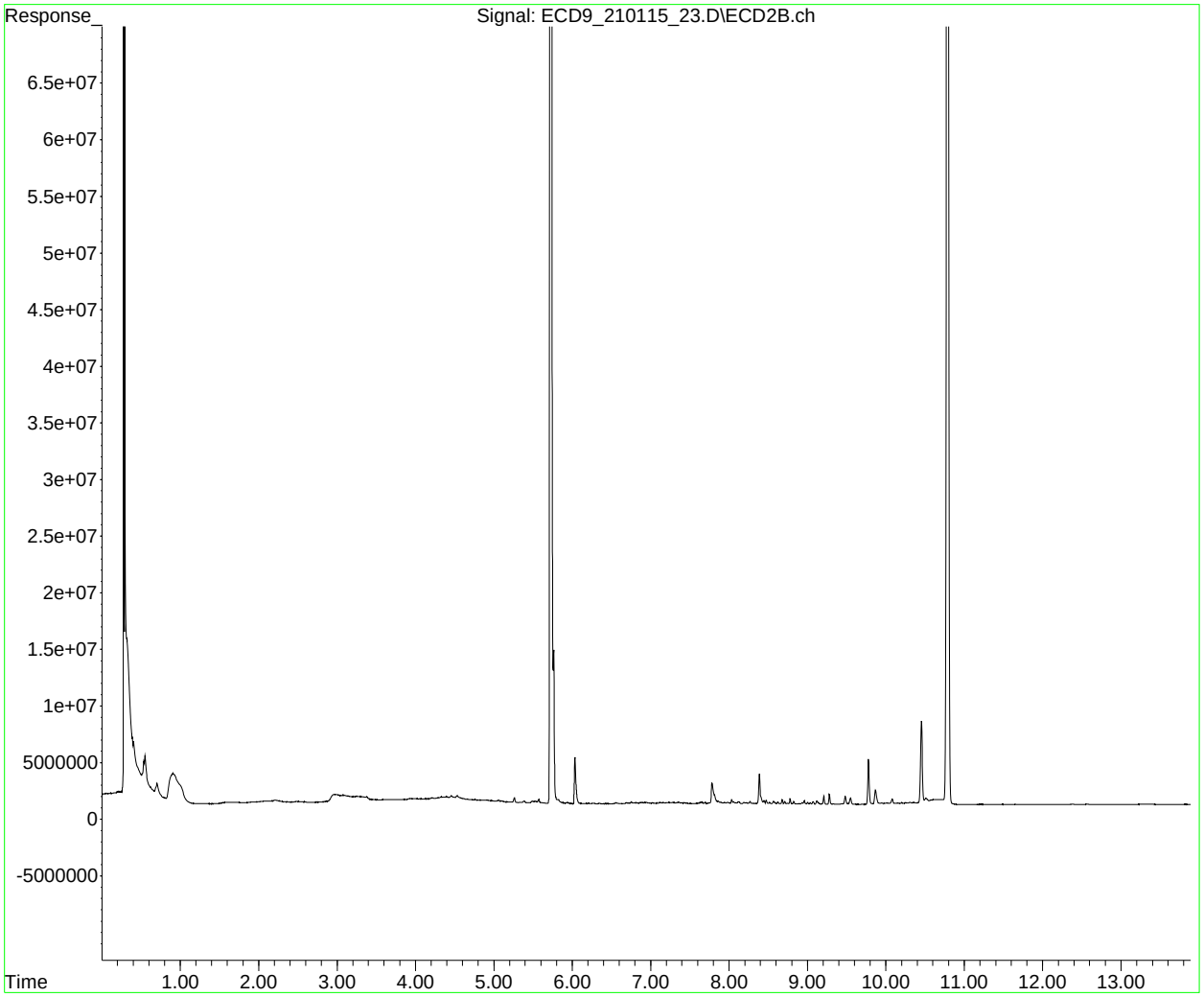
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_23.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 11:40
Operator : KAK
Sample : A0K0482-18
Misc :
ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 15 15:10:33 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_23.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 11:40
Operator : KAK
Sample : A0K0482-18
Misc :
ALS Vial : 58 Sample Multiplier: 1

KAK 1/15/21

Integration File: events.e
Quant Time: Jan 15 15:10:33 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
1) S	TCMX (S)	5.726	362089066	226.444 ng/ml
64) S	DCBP (S)	10.786	196130366	276.233 ng/ml
	Target Compounds			
2)	Aroclor 1016 (1)	6.405	29031	0.512 ng/ml
3)	Aroclor 1016 (2)	6.900	145738	1.605 ng/ml
4)	Aroclor 1016 (3)	7.026	116875	2.713 ng/ml
5)	Aroclor 1016 (4)	7.116	148095	3.176 ng/ml
6)	Aroclor 1016 (5)	7.162	142126	2.802 ng/ml
7)	Aroclor 1016 (6)	7.287	161483	3.238 ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9)	Aroclor 1221 (1)	5.905	52019	4.728 ng/ml
10)	Aroclor 1221 (2)	5.971	35640	3.209 ng/ml
11)	Aroclor 1221 (3)	6.093	51381	1.406 ng/ml
12)	Aroclor 1221 (4)	6.583	53507	6.764 ng/ml
13)	Aroclor 1221 (5)	6.900	145738	24.232 ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15)	Aroclor 1232 (1)	6.093	51381	1.685 ng/ml
16)	Aroclor 1232 (2)	6.405	29031	1.437 ng/ml
17)	Aroclor 1232 (3)	6.900	145738	4.344 ng/ml
18)	Aroclor 1232 (4)	7.116	148095	10.619 ng/ml
19)	Aroclor 1232 (5)	7.162	142126	8.934 ng/ml
20)	Aroclor 1232 (6)	7.287	161483	9.935 ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22)	Aroclor 1242 (1)	6.405	29031	0.774 ng/ml
23)	Aroclor 1242 (2)	6.900	145738	2.422 ng/ml
24)	Aroclor 1242 (3)	7.026	116875	4.024 ng/ml
25)	Aroclor 1242 (4)	7.116	148095	5.193 ng/ml

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_23.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 11:40
Operator : KAK
Sample : A0K0482-18
Misc :
ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 15 15:10:33 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
26)	Aroclor 1242 (5)	7.162	142126	4.304	ng/ml
27)	Aroclor 1242 (6)	7.287	161483	4.833	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.873	143640	3.766	ng/ml
30)	Aroclor 1248 (2)	7.116	148095	2.721	ng/ml
31)	Aroclor 1248 (3)	7.162	142126	2.865	ng/ml
32)	Aroclor 1248 (4)	7.287	161483	2.789	ng/ml
33)	Aroclor 1248 (5)	7.656	188392	2.590	ng/ml
34)	Aroclor 1248 (6)	7.784	1843225	30.897	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.634	170213	2.391	ng/ml
37)	Aroclor 1254 (2)	7.784	1843225	16.928	ng/ml
38)	Aroclor 1254 (3)	8.116	203784	1.827	ng/ml
39)	Aroclor 1254 (4)	8.384	2672974	32.692	ng/ml
40)	Aroclor 1254 (5)	8.711	247780	2.871	ng/ml
41)	Aroclor 1254 (6)	8.929	131088	5.431	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.265	235054	2.445	ng/ml
44)	Aroclor 1260 (2)	8.474	332878	2.898	ng/ml
45)	Aroclor 1260 (3)	8.711	247780	2.192	ng/ml
46)	Aroclor 1260 (4)	9.208	730464	4.447	ng/ml
47)	Aroclor 1260 (5)	9.482	714574	7.355	ng/ml
48)	Aroclor 1260 (6)	10.080	476752	12.310	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	8.474	332878	4.159	ng/ml
51)	Aroclor 1262 (2)	8.778	502723	4.414	ng/ml
52)	Aroclor 1262 (3)	8.959	328791	3.722	ng/ml
53)	Aroclor 1262 (4)	9.208	730464	4.283	ng/ml
54)	Aroclor 1262 (5)	9.482	714574	6.787	ng/ml
55)	Aroclor 1262 (6)	10.080	476752	10.476	ng/ml

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_23.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 11:40
Operator : KAK
Sample : A0K0482-18
Misc :
ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 15 15:10:33 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	9.002	160285	3.314	ng/ml
58)	Aroclor 1268 (2)	9.482	714574	3.782	ng/ml
59)	Aroclor 1268 (3)	9.548	553413	3.663	ng/ml
60)	Aroclor 1268 (4)	9.777	4007703	30.052	ng/ml
61)	Aroclor 1268 (5)	10.080	476752	9.611	ng/ml
62)	Aroclor 1268 (6)	10.453	7352592	21.449	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

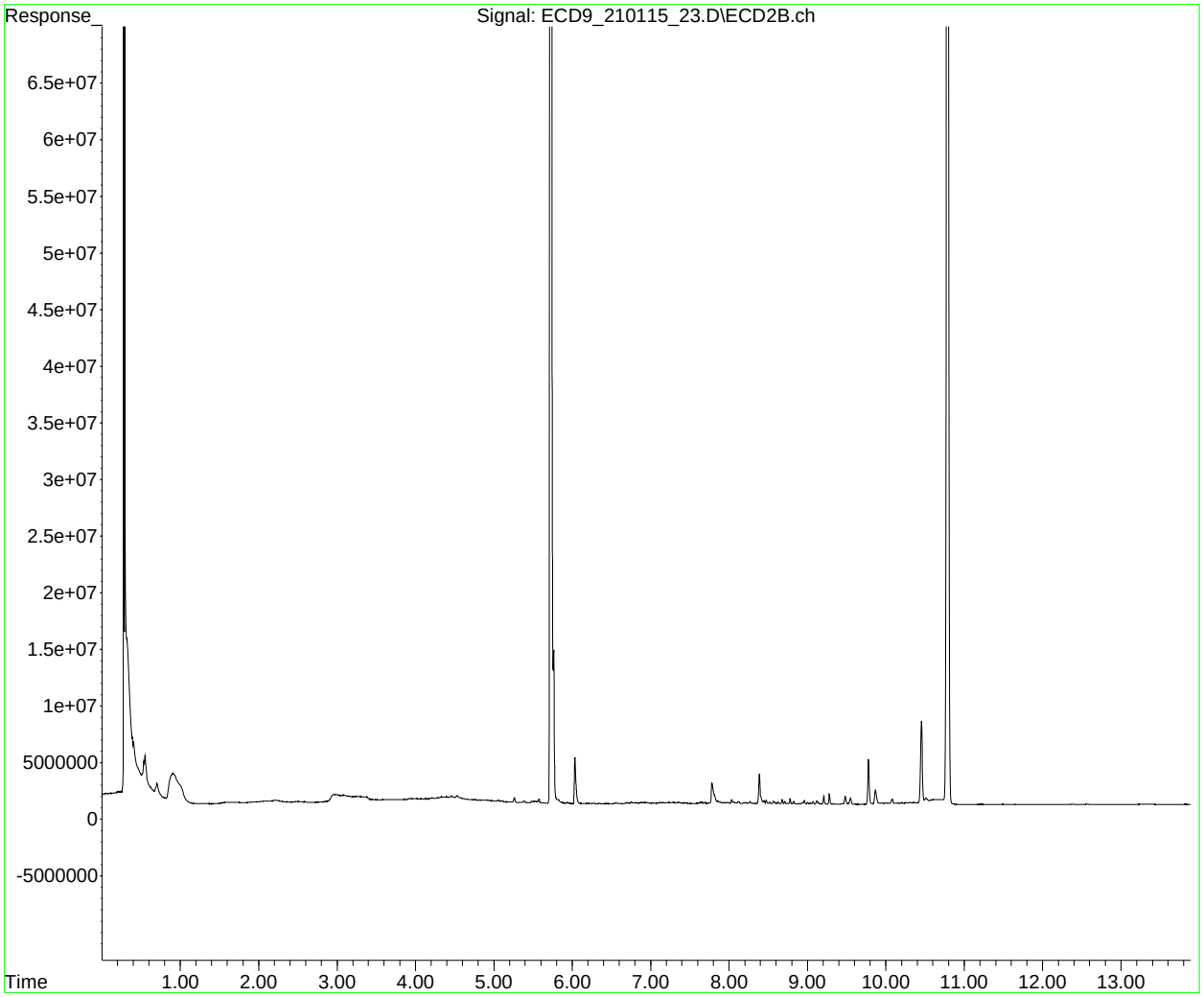
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_23.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 11:40
Operator : KAK
Sample : A0K0482-18
Misc :
ALS Vial : 58 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 15 15:10:33 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_27.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 12:16
Operator : KAK
Sample : A0K0482-19
Misc :
ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 15 15:12:48 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	5.725	375094024	234.577	ng/ml
64) S	DCBP (S)	10.785	205367348	289.242	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.404	49456	0.872	ng/ml
3)	Aroclor 1016 (2)	6.899	204131	2.249	ng/ml
4)	Aroclor 1016 (3)	7.025	159953	3.713	ng/ml
5)	Aroclor 1016 (4)	7.113	157775	3.383	ng/ml
6)	Aroclor 1016 (5)	7.160	169827	3.348	ng/ml
7)	Aroclor 1016 (6)	7.287	191969	3.850	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.908	39954	3.632	ng/ml
10)	Aroclor 1221 (2)	5.994	13217	1.190	ng/ml
11)	Aroclor 1221 (3)	6.036	4372363	119.629	ng/ml
12)	Aroclor 1221 (4)	6.580	72904	9.215	ng/ml
13)	Aroclor 1221 (5)	6.899	204131	33.941	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	6.036	4372363	143.390	ng/ml
16)	Aroclor 1232 (2)	6.404	49456	2.448	ng/ml
17)	Aroclor 1232 (3)	6.899	204131	6.085	ng/ml
18)	Aroclor 1232 (4)	7.113	157775	11.313	ng/ml
19)	Aroclor 1232 (5)	7.160	169827	10.675	ng/ml
20)	Aroclor 1232 (6)	7.287	191969	11.810	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.404	49456	1.318	ng/ml
23)	Aroclor 1242 (2)	6.899	204131	3.393	ng/ml
24)	Aroclor 1242 (3)	7.025	159953	5.507	ng/ml
25)	Aroclor 1242 (4)	7.113	157775	5.533	ng/ml

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_27.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 12:16
Operator : KAK
Sample : A0K0482-19
Misc :
ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 15 15:12:48 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
26)	Aroclor 1242 (5)	7.160	169827	5.142	ng/ml
27)	Aroclor 1242 (6)	7.287	191969	5.745	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.871	197781	5.186	ng/ml
30)	Aroclor 1248 (2)	7.113	157775	2.899	ng/ml
31)	Aroclor 1248 (3)	7.160	169827	3.423	ng/ml
32)	Aroclor 1248 (4)	7.287	191969	3.315	ng/ml
33)	Aroclor 1248 (5)	7.655	251166	3.453	ng/ml
34)	Aroclor 1248 (6)	7.783	1729127	28.985	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.638	205422	2.886	ng/ml
37)	Aroclor 1254 (2)	7.783	1729127	15.880	ng/ml
38)	Aroclor 1254 (3)	8.128	199336	1.787	ng/ml
39)	Aroclor 1254 (4)	8.385	2596520	31.757	ng/ml
40)	Aroclor 1254 (5)	8.677	380080	4.404	ng/ml
41)	Aroclor 1254 (6)	8.891	156714	6.493	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.264	186962	1.945	ng/ml
44)	Aroclor 1260 (2)	8.473	212557	1.851	ng/ml
45)	Aroclor 1260 (3)	8.677	380080	3.362	ng/ml
46)	Aroclor 1260 (4)	9.207	145763	0.887	ng/ml
47)	Aroclor 1260 (5)	9.481	242657	2.498	ng/ml
48)	Aroclor 1260 (6)	10.077	231603	5.980	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	8.473	212557	2.656	ng/ml
51)	Aroclor 1262 (2)	8.781	167963	1.475	ng/ml
52)	Aroclor 1262 (3)	8.958	169951	1.924	ng/ml
53)	Aroclor 1262 (4)	9.207	145763	0.855	ng/ml
54)	Aroclor 1262 (5)	9.481	242657	2.305	ng/ml
55)	Aroclor 1262 (6)	10.077	231603	5.089	ng/ml

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_27.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 12:16
Operator : KAK
Sample : A0K0482-19
Misc :
ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 15 15:12:48 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	9.001	164106	3.393	ng/ml
58)	Aroclor 1268 (2)	9.481	242657	1.284	ng/ml
59)	Aroclor 1268 (3)	9.545	186325	1.233	ng/ml
60)	Aroclor 1268 (4)	9.777	4070350	30.521	ng/ml
61)	Aroclor 1268 (5)	10.077	231603	4.669	ng/ml
62)	Aroclor 1268 (6)	10.451	7843193	22.880	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

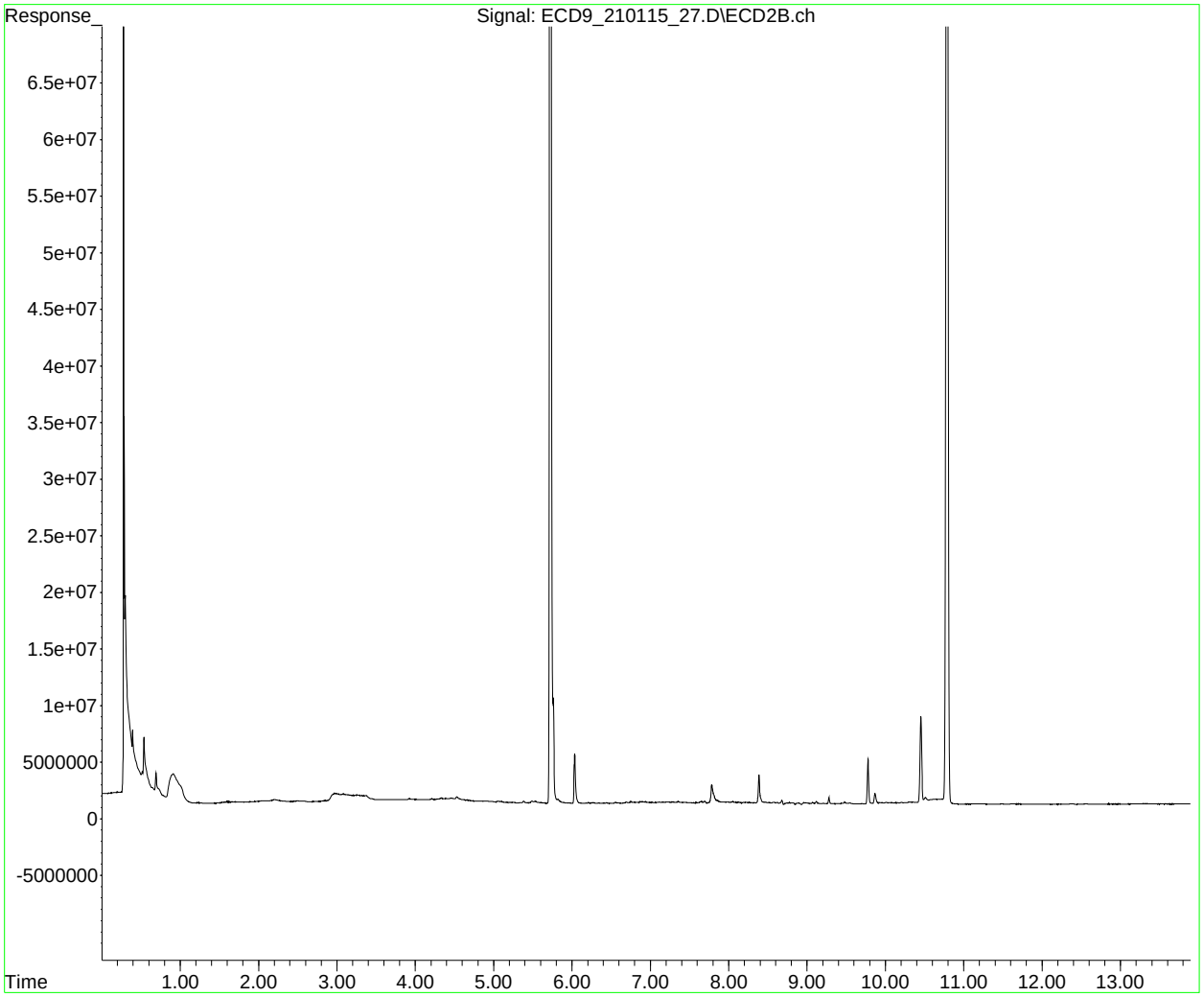
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_27.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 12:16
Operator : KAK
Sample : A0K0482-19
Misc :
ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 15 15:12:48 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

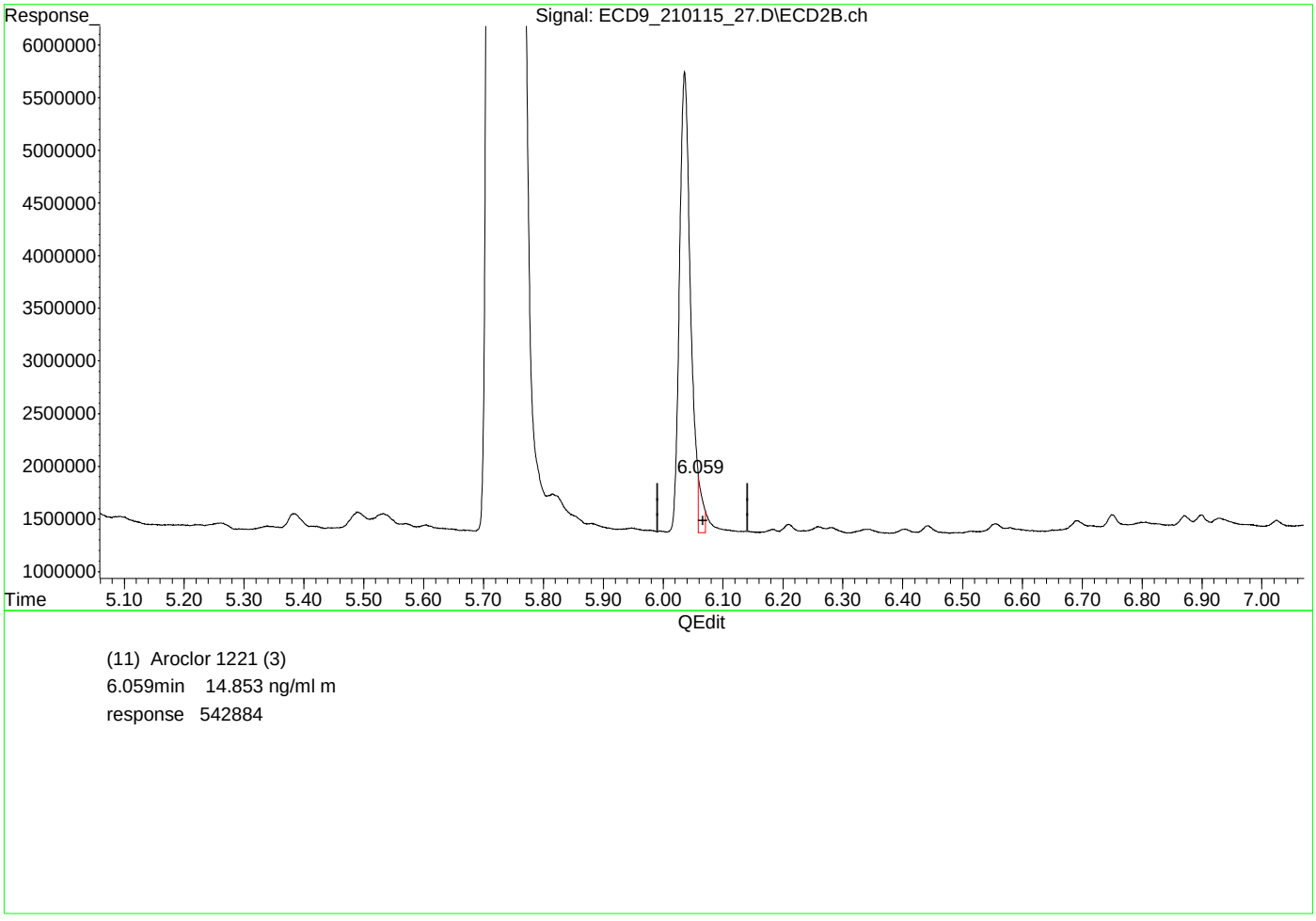


Quantitation Report (Qedit)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_27.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 12:16
Operator : KAK
Sample : A0K0482-19
Misc :
ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 15 15:12:48 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



(11) Aroclor 1221 (3)
6.059min 14.853 ng/ml m
response 542884

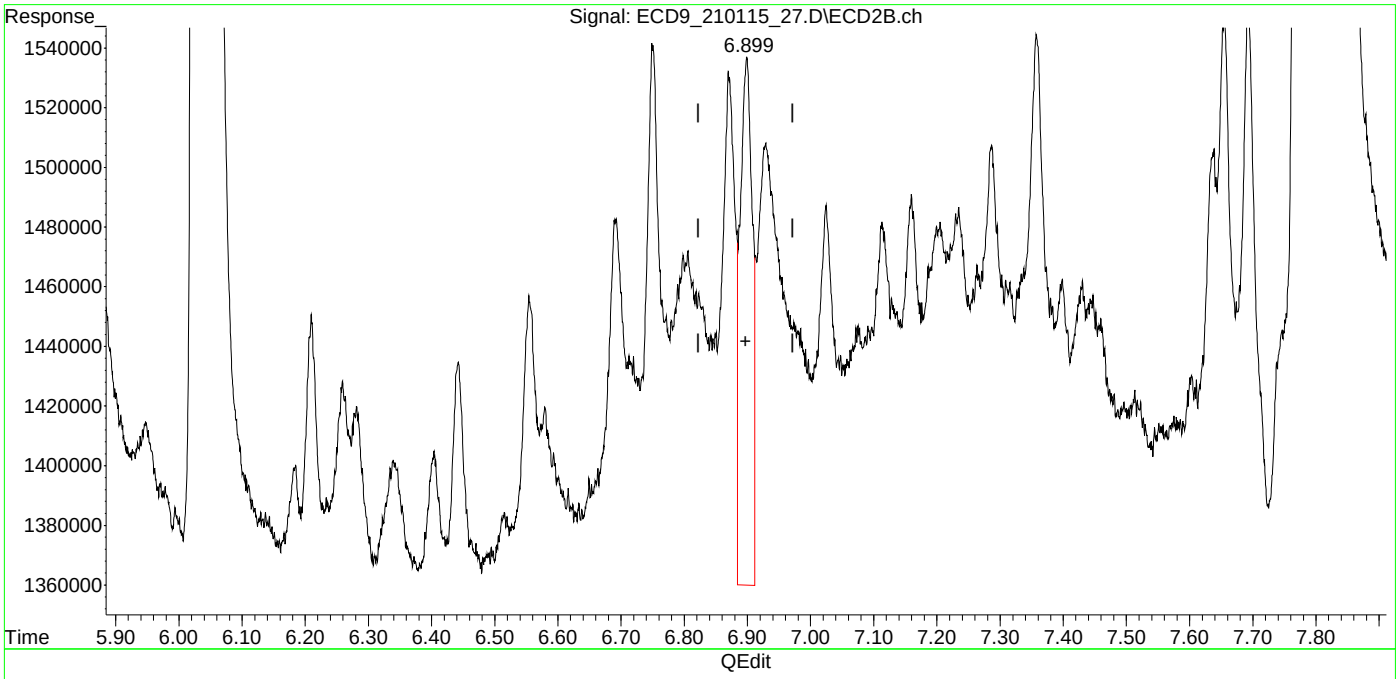
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_27.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 12:16
Operator : KAK
Sample : A0K0482-19
Misc :
ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 15 15:12:48 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



(13) Aroclor 1221 (5)
6.899min 29.431 ng/ml m
response 177008

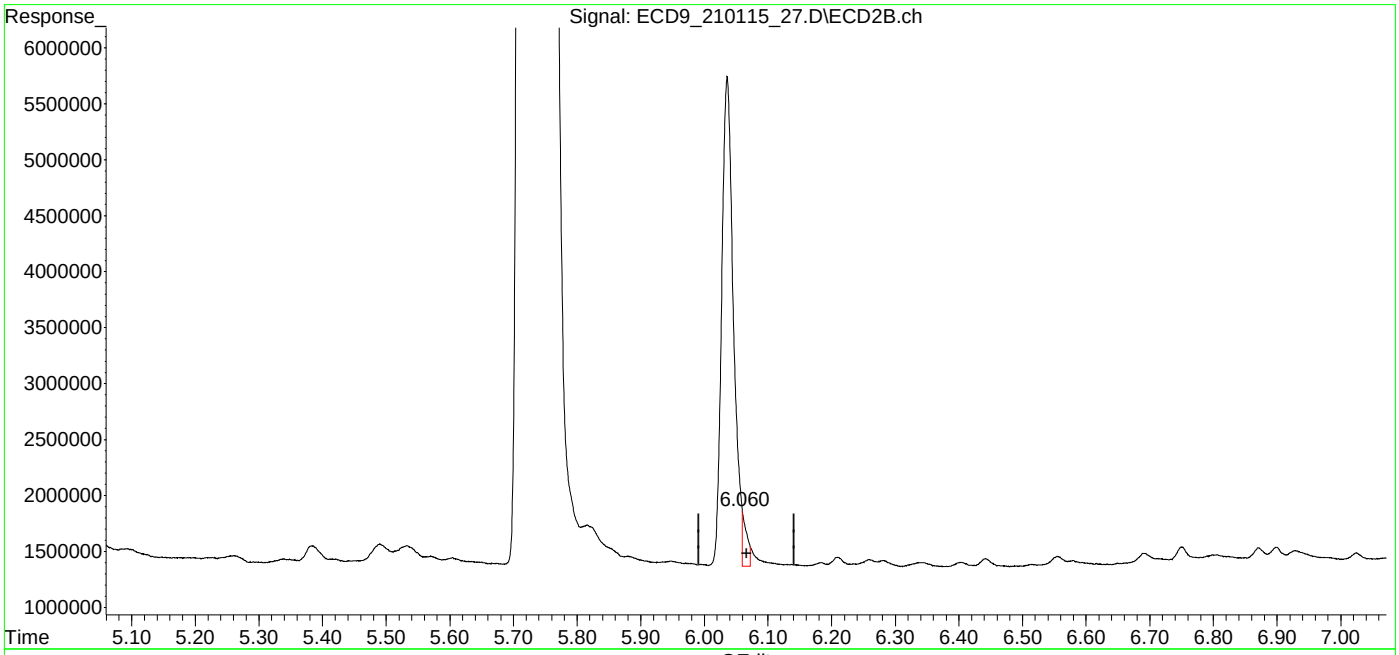
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_27.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 12:16
Operator : KAK
Sample : A0K0482-19
Misc :
ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 15 15:12:48 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



(15) Aroclor 1232 (1)
6.060min 16.272 ng/ml m
response 496190

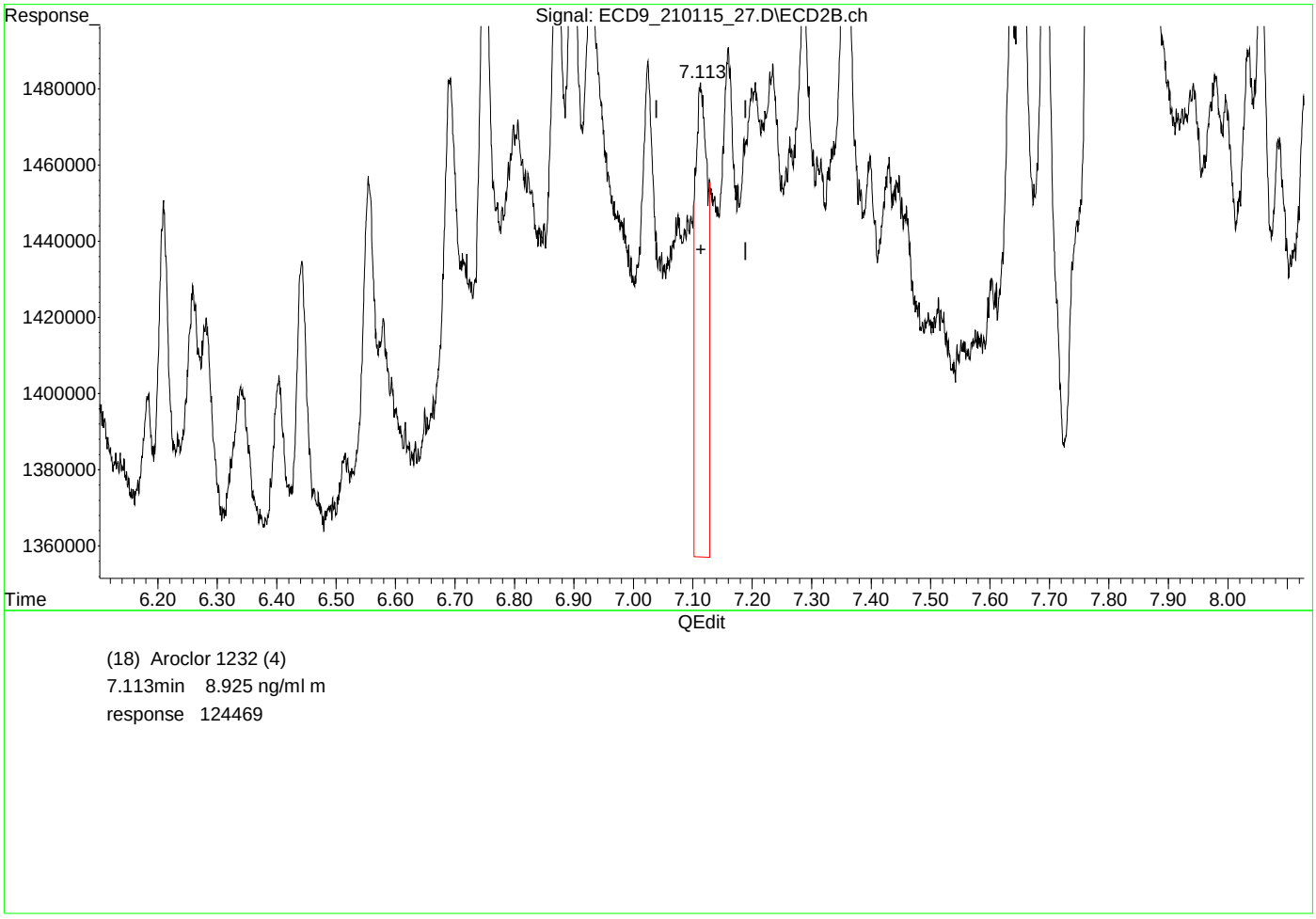
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_27.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 12:16
Operator : KAK
Sample : A0K0482-19
Misc :
ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 15 15:12:48 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



(18) Aroclor 1232 (4)
7.113min 8.925 ng/ml m
response 124469

(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_27.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 12:16
Operator : KAK
Sample : A0K0482-19
Misc :
ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 15 15:12:48 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

(19) Aroclor 1232 (5)
7.160min 8.156 ng/ml m
response 129760

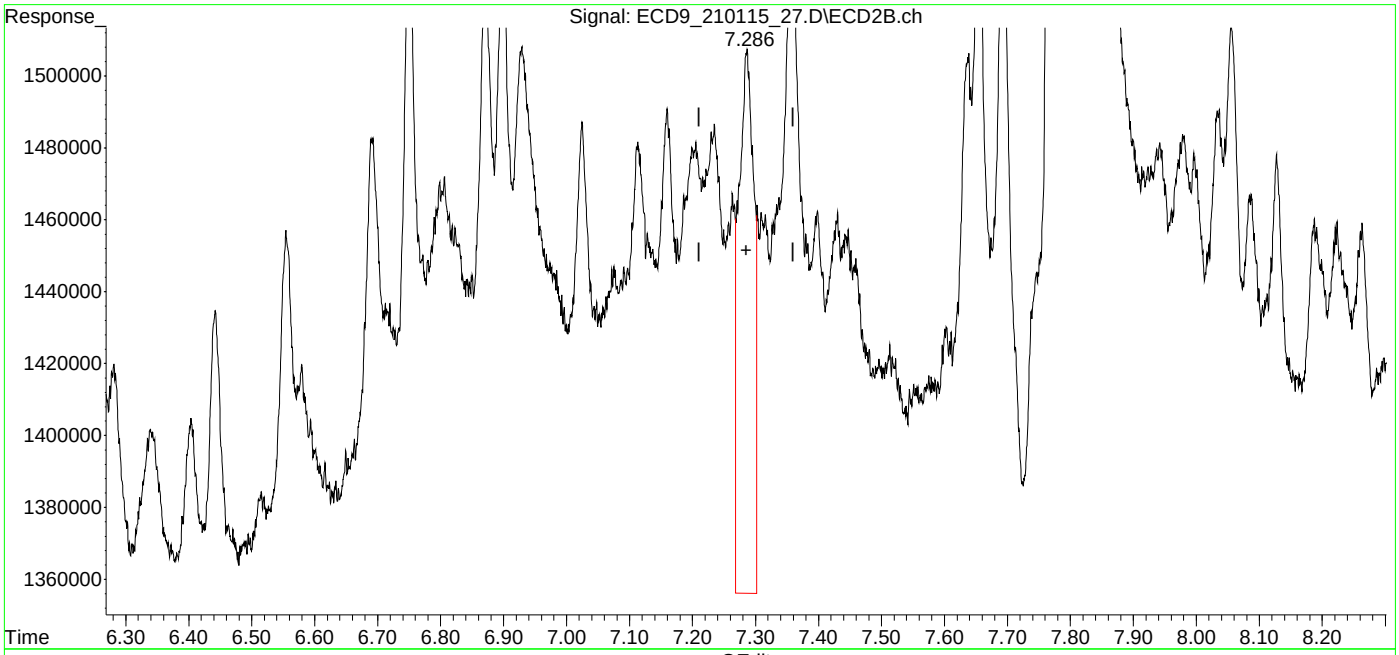
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_27.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 12:16
Operator : KAK
Sample : A0K0482-19
Misc :
ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 15 15:12:48 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



(20) Aroclor 1232 (6)
7.286min 9.315 ng/ml m
response 151416

(+) = Expected Retention Time

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_27.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 12:16
Operator : KAK
Sample : A0K0482-19
Misc :
ALS Vial : 59 Sample Multiplier: 1

KAK 1/15/21

Integration File: events.e
Quant Time: Jan 15 15:18:45 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	5.725	375094024	234.577	ng/ml
64) S	DCBP (S)	10.785	205367348	289.242	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.404	49456	0.872	ng/ml
3)	Aroclor 1016 (2)	6.899	204131	2.249	ng/ml
4)	Aroclor 1016 (3)	7.025	159953	3.713	ng/ml
5)	Aroclor 1016 (4)	7.113	157775	3.383	ng/ml
6)	Aroclor 1016 (5)	7.160	169827	3.348	ng/ml
7)	Aroclor 1016 (6)	7.287	191969	3.850	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.908	39954	3.632	ng/ml
10)	Aroclor 1221 (2)	5.994	13217	1.190	ng/ml
11)	Aroclor 1221 (3)	6.059	542884	14.853	ng/mlm
12)	Aroclor 1221 (4)	6.580	72904	9.215	ng/ml
13)	Aroclor 1221 (5)	6.899	177008	29.431	ng/mlm
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	6.060	496190	16.272	ng/mlm
16)	Aroclor 1232 (2)	6.404	49456	2.448	ng/ml
17)	Aroclor 1232 (3)	6.899	204131	6.085	ng/ml
18)	Aroclor 1232 (4)	7.113	124469	8.925	ng/mlm
19)	Aroclor 1232 (5)	7.160	129760	8.156	ng/mlm
20)	Aroclor 1232 (6)	7.286	151416	9.315	ng/mlm
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.404	49456	1.318	ng/ml
23)	Aroclor 1242 (2)	6.899	204131	3.393	ng/ml
24)	Aroclor 1242 (3)	7.025	159953	5.507	ng/ml
25)	Aroclor 1242 (4)	7.113	157775	5.533	ng/ml

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_27.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 12:16
Operator : KAK
Sample : A0K0482-19
Misc :
ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 15 15:18:45 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
26)	Aroclor 1242 (5)	7.160	169827	5.142	ng/ml
27)	Aroclor 1242 (6)	7.287	191969	5.745	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.871	197781	5.186	ng/ml
30)	Aroclor 1248 (2)	7.113	157775	2.899	ng/ml
31)	Aroclor 1248 (3)	7.160	169827	3.423	ng/ml
32)	Aroclor 1248 (4)	7.287	191969	3.315	ng/ml
33)	Aroclor 1248 (5)	7.655	251166	3.453	ng/ml
34)	Aroclor 1248 (6)	7.783	1729127	28.985	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.638	205422	2.886	ng/ml
37)	Aroclor 1254 (2)	7.783	1729127	15.880	ng/ml
38)	Aroclor 1254 (3)	8.128	199336	1.787	ng/ml
39)	Aroclor 1254 (4)	8.385	2596520	31.757	ng/ml
40)	Aroclor 1254 (5)	8.677	380080	4.404	ng/ml
41)	Aroclor 1254 (6)	8.891	156714	6.493	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.264	186962	1.945	ng/ml
44)	Aroclor 1260 (2)	8.473	212557	1.851	ng/ml
45)	Aroclor 1260 (3)	8.677	380080	3.362	ng/ml
46)	Aroclor 1260 (4)	9.207	145763	0.887	ng/ml
47)	Aroclor 1260 (5)	9.481	242657	2.498	ng/ml
48)	Aroclor 1260 (6)	10.077	231603	5.980	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	8.473	212557	2.656	ng/ml
51)	Aroclor 1262 (2)	8.781	167963	1.475	ng/ml
52)	Aroclor 1262 (3)	8.958	169951	1.924	ng/ml
53)	Aroclor 1262 (4)	9.207	145763	0.855	ng/ml
54)	Aroclor 1262 (5)	9.481	242657	2.305	ng/ml
55)	Aroclor 1262 (6)	10.077	231603	5.089	ng/ml

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_27.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 12:16
Operator : KAK
Sample : A0K0482-19
Misc :
ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 15 15:18:45 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	9.001	164106	3.393	ng/ml
58)	Aroclor 1268 (2)	9.481	242657	1.284	ng/ml
59)	Aroclor 1268 (3)	9.545	186325	1.233	ng/ml
60)	Aroclor 1268 (4)	9.777	4070350	30.521	ng/ml
61)	Aroclor 1268 (5)	10.077	231603	4.669	ng/ml
62)	Aroclor 1268 (6)	10.451	7843193	22.880	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

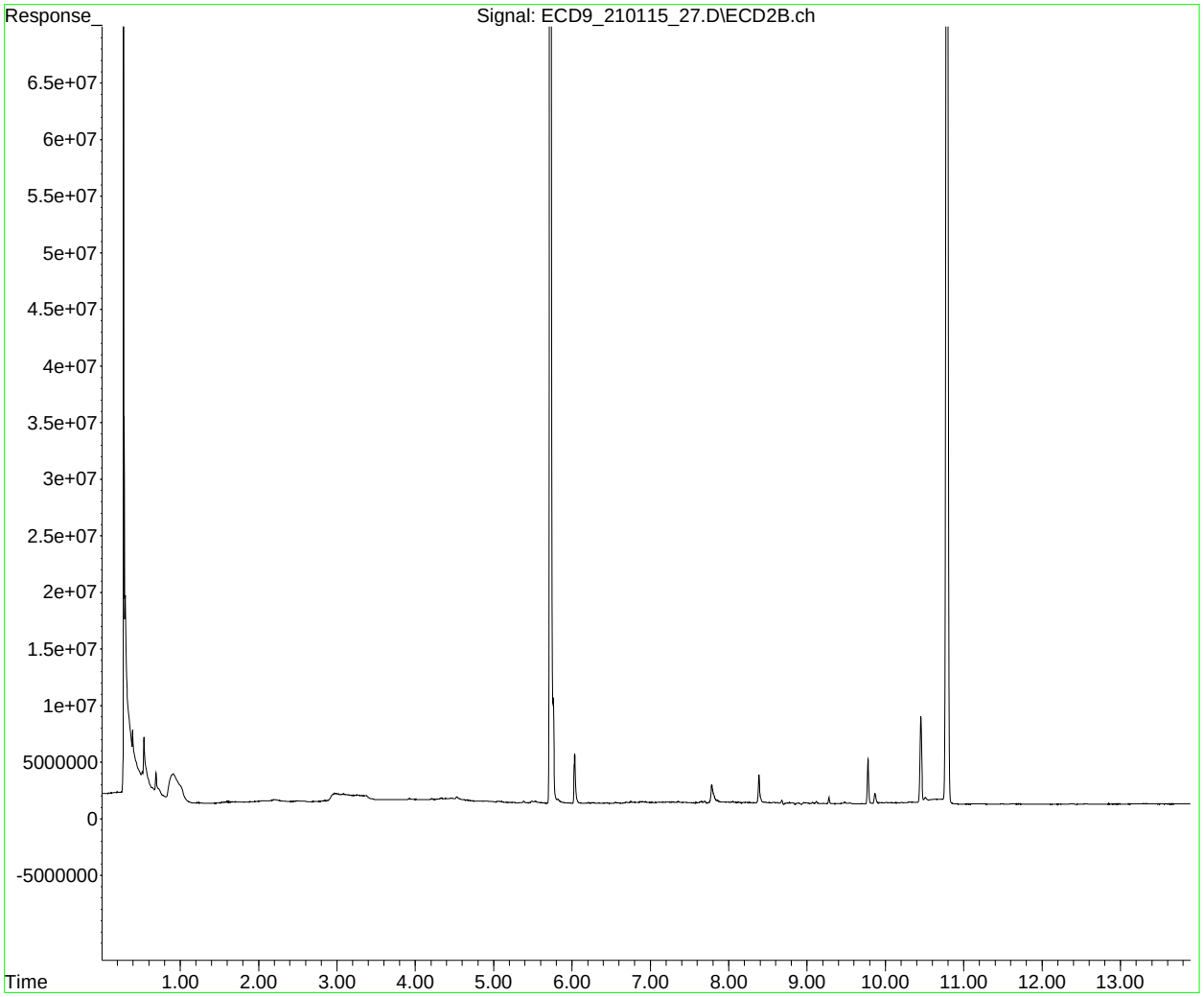
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_27.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 12:16
Operator : KAK
Sample : A0K0482-19
Misc :
ALS Vial : 59 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 15 15:18:45 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_31.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 12:53
Operator : KAK
Sample : A0K0482-20
Misc :
ALS Vial : 60 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 15 15:25:32 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	5.726	363297403	227.200	ng/ml
64) S	DCBP (S)	10.786	202060560	284.585	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.405	80067	1.412	ng/ml
3)	Aroclor 1016 (2)	6.899	320406	3.529	ng/ml
4)	Aroclor 1016 (3)	7.027	187999	4.364	ng/ml
5)	Aroclor 1016 (4)	7.116	180704	3.875	ng/ml
6)	Aroclor 1016 (5)	7.161	190951	3.765	ng/ml
7)	Aroclor 1016 (6)	7.286	210221	4.216	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.910	51022	4.638	ng/ml
10)	Aroclor 1221 (2)	5.980	36857	3.319	ng/ml
11)	Aroclor 1221 (3)	6.036	4333462	118.565	ng/ml
12)	Aroclor 1221 (4)	6.581	102422	12.947	ng/ml
13)	Aroclor 1221 (5)	6.899	320406	53.274	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	6.036	4333462	142.114	ng/ml
16)	Aroclor 1232 (2)	6.405	80067	3.963	ng/ml
17)	Aroclor 1232 (3)	6.899	320406	9.551	ng/ml
18)	Aroclor 1232 (4)	7.116	180704	12.957	ng/ml
19)	Aroclor 1232 (5)	7.161	190951	12.003	ng/ml
20)	Aroclor 1232 (6)	7.286	210221	12.933	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.405	80067	2.134	ng/ml
23)	Aroclor 1242 (2)	6.899	320406	5.326	ng/ml
24)	Aroclor 1242 (3)	7.027	187999	6.473	ng/ml
25)	Aroclor 1242 (4)	7.116	180704	6.337	ng/ml

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_31.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 12:53
Operator : KAK
Sample : A0K0482-20
Misc :
ALS Vial : 60 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 15 15:25:32 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
26)	Aroclor 1242 (5)	7.161	190951	5.782	ng/ml
27)	Aroclor 1242 (6)	7.286	210221	6.292	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.872	290118	7.607	ng/ml
30)	Aroclor 1248 (2)	7.116	180704	3.321	ng/ml
31)	Aroclor 1248 (3)	7.161	190951	3.849	ng/ml
32)	Aroclor 1248 (4)	7.286	210221	3.630	ng/ml
33)	Aroclor 1248 (5)	7.656	264229	3.632	ng/ml
34)	Aroclor 1248 (6)	7.785	1628273	27.294	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.636	215245	3.024	ng/ml
37)	Aroclor 1254 (2)	7.785	1628273	14.954	ng/ml
38)	Aroclor 1254 (3)	8.129	184664	1.656	ng/ml
39)	Aroclor 1254 (4)	8.351	106732	1.305	ng/ml
40)	Aroclor 1254 (5)	8.711	117756	1.364	ng/ml
41)	Aroclor 1254 (6)	8.938	102359	4.241	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.265	199599	2.076	ng/ml
44)	Aroclor 1260 (2)	8.474	210618	1.834	ng/ml
45)	Aroclor 1260 (3)	8.711	117756	1.042	ng/ml
46)	Aroclor 1260 (4)	9.207	97396	0.593	ng/ml
47)	Aroclor 1260 (5)	9.481	174263	1.794	ng/ml
48)	Aroclor 1260 (6)	10.074	135585	3.501	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	8.474	210618	2.631	ng/ml
51)	Aroclor 1262 (2)	8.760	83040	0.729	ng/ml
52)	Aroclor 1262 (3)	8.957	122081	1.382	ng/ml
53)	Aroclor 1262 (4)	9.207	97396	0.571	ng/ml
54)	Aroclor 1262 (5)	9.481	174263	1.655	ng/ml
55)	Aroclor 1262 (6)	10.074	135585	2.979	ng/ml

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_31.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 12:53
Operator : KAK
Sample : A0K0482-20
Misc :
ALS Vial : 60 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 15 15:25:32 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	9.003	94691	1.958	ng/ml
58)	Aroclor 1268 (2)	9.481	174263	0.922	ng/ml
59)	Aroclor 1268 (3)	9.547	109806	0.727	ng/ml
60)	Aroclor 1268 (4)	9.778	3892441	29.187	ng/ml
61)	Aroclor 1268 (5)	10.074	135585	2.733	ng/ml
62)	Aroclor 1268 (6)	10.452	7159674	20.886	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

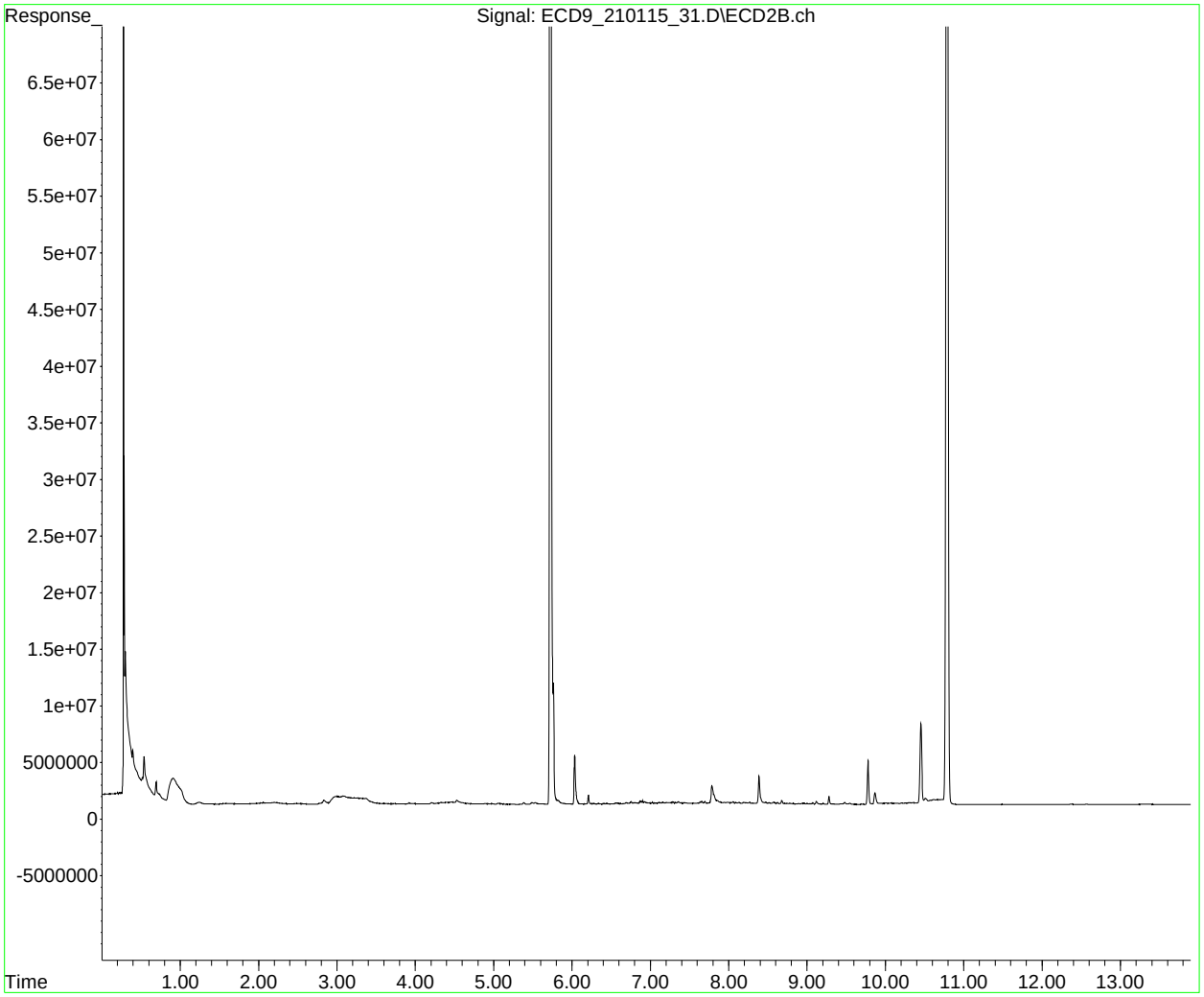
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_31.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 12:53
Operator : KAK
Sample : A0K0482-20
Misc :
ALS Vial : 60 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 15 15:25:32 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

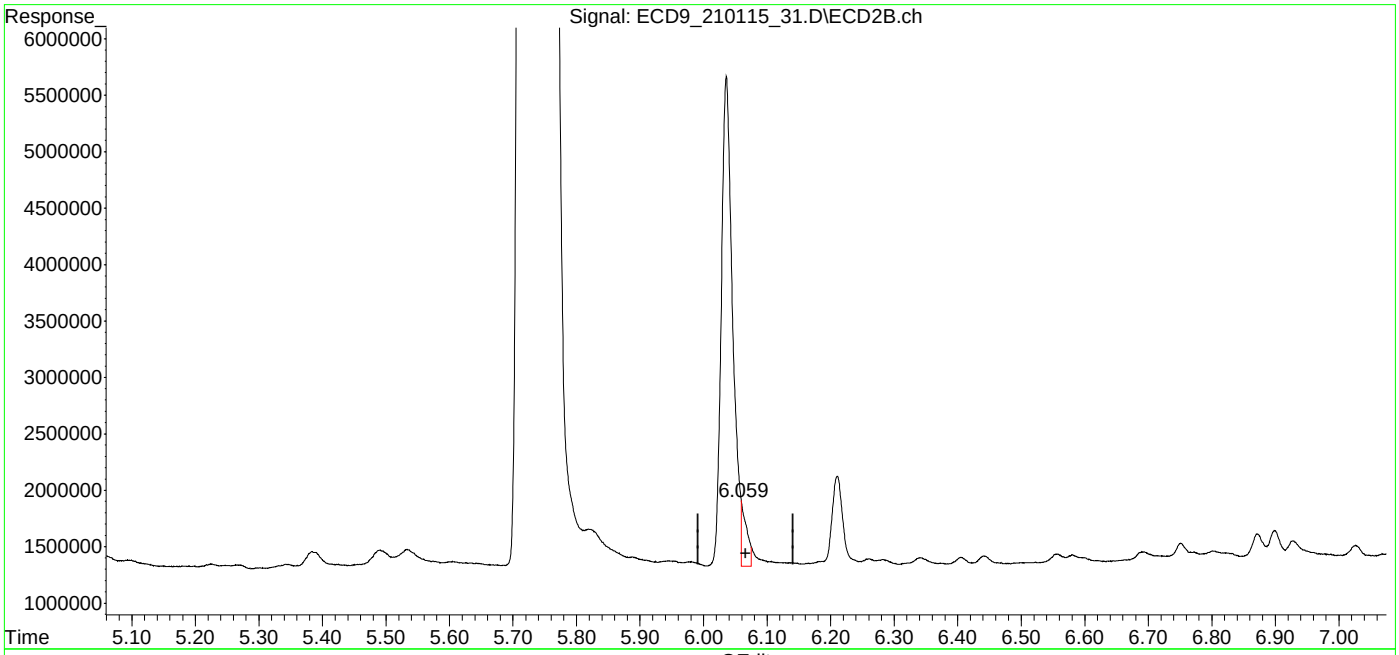


Quantitation Report (Qedit)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_31.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 12:53
Operator : KAK
Sample : A0K0482-20
Misc :
ALS Vial : 60 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 15 15:25:32 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



(11) Aroclor 1221 (3)
6.059min 15.970 ng/ml m
response 583689

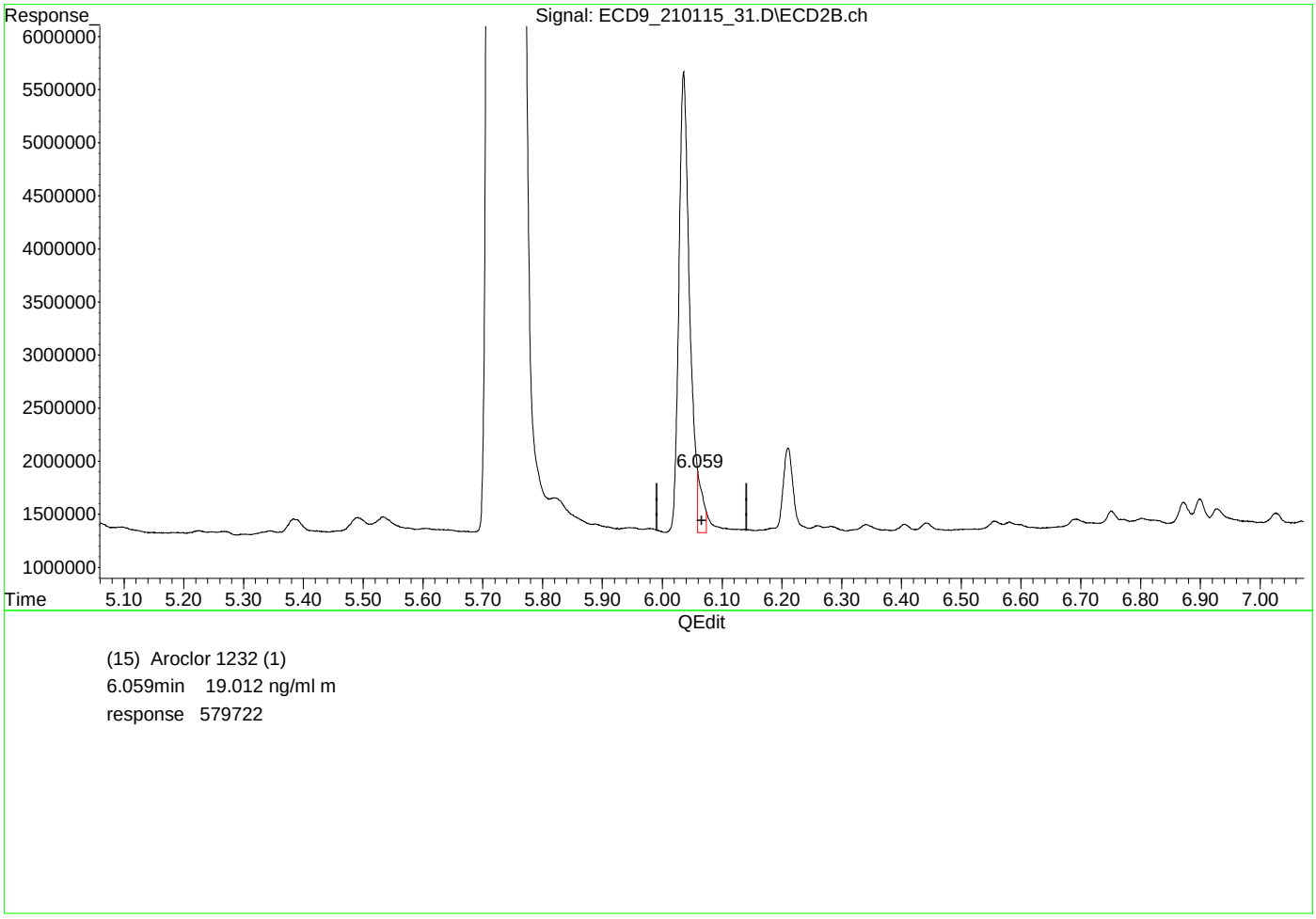
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_31.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 12:53
Operator : KAK
Sample : A0K0482-20
Misc :
ALS Vial : 60 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 15 15:25:32 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



(15) Aroclor 1232 (1)
6.059min 19.012 ng/ml m
response 579722

(+) = Expected Retention Time

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_31.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 12:53
Operator : KAK
Sample : A0K0482-20
Misc :
ALS Vial : 60 Sample Multiplier: 1

KAK 1/15/21

Integration File: events.e
Quant Time: Jan 15 15:26:46 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	5.726	363297403	227.200	ng/ml
64) S	DCBP (S)	10.786	202060560	284.585	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.405	80067	1.412	ng/ml
3)	Aroclor 1016 (2)	6.899	320406	3.529	ng/ml
4)	Aroclor 1016 (3)	7.027	187999	4.364	ng/ml
5)	Aroclor 1016 (4)	7.116	180704	3.875	ng/ml
6)	Aroclor 1016 (5)	7.161	190951	3.765	ng/ml
7)	Aroclor 1016 (6)	7.286	210221	4.216	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.910	51022	4.638	ng/ml
10)	Aroclor 1221 (2)	5.980	36857	3.319	ng/ml
11)	Aroclor 1221 (3)	6.059	583689	15.970	ng/mlm
12)	Aroclor 1221 (4)	6.581	102422	12.947	ng/ml
13)	Aroclor 1221 (5)	6.899	320406	53.274	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	6.059	579722	19.012	ng/mlm
16)	Aroclor 1232 (2)	6.405	80067	3.963	ng/ml
17)	Aroclor 1232 (3)	6.899	320406	9.551	ng/ml
18)	Aroclor 1232 (4)	7.116	180704	12.957	ng/m
19)	Aroclor 1232 (5)	7.161	190951	12.003	ng/ml
20)	Aroclor 1232 (6)	7.286	210221	12.933	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.405	80067	2.134	ng/ml
23)	Aroclor 1242 (2)	6.899	320406	5.326	ng/ml
24)	Aroclor 1242 (3)	7.027	187999	6.473	ng/ml
25)	Aroclor 1242 (4)	7.116	180704	6.337	ng/ml

MDL=MRL

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_31.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 12:53
Operator : KAK
Sample : A0K0482-20
Misc :
ALS Vial : 60 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 15 15:26:46 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
26)	Aroclor 1242 (5)	7.161	190951	5.782	ng/ml
27)	Aroclor 1242 (6)	7.286	210221	6.292	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.872	290118	7.607	ng/ml
30)	Aroclor 1248 (2)	7.116	180704	3.321	ng/ml
31)	Aroclor 1248 (3)	7.161	190951	3.849	ng/ml
32)	Aroclor 1248 (4)	7.286	210221	3.630	ng/ml
33)	Aroclor 1248 (5)	7.656	264229	3.632	ng/ml
34)	Aroclor 1248 (6)	7.785	1628273	27.294	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.636	215245	3.024	ng/ml
37)	Aroclor 1254 (2)	7.785	1628273	14.954	ng/ml
38)	Aroclor 1254 (3)	8.129	184664	1.656	ng/ml
39)	Aroclor 1254 (4)	8.351	106732	1.305	ng/ml
40)	Aroclor 1254 (5)	8.711	117756	1.364	ng/ml
41)	Aroclor 1254 (6)	8.938	102359	4.241	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.265	199599	2.076	ng/ml
44)	Aroclor 1260 (2)	8.474	210618	1.834	ng/ml
45)	Aroclor 1260 (3)	8.711	117756	1.042	ng/ml
46)	Aroclor 1260 (4)	9.207	97396	0.593	ng/ml
47)	Aroclor 1260 (5)	9.481	174263	1.794	ng/ml
48)	Aroclor 1260 (6)	10.074	135585	3.501	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	8.474	210618	2.631	ng/ml
51)	Aroclor 1262 (2)	8.760	83040	0.729	ng/ml
52)	Aroclor 1262 (3)	8.957	122081	1.382	ng/ml
53)	Aroclor 1262 (4)	9.207	97396	0.571	ng/ml
54)	Aroclor 1262 (5)	9.481	174263	1.655	ng/ml
55)	Aroclor 1262 (6)	10.074	135585	2.979	ng/ml

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_31.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 12:53
Operator : KAK
Sample : A0K0482-20
Misc :
ALS Vial : 60 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 15 15:26:46 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	9.003	94691	1.958	ng/ml
58)	Aroclor 1268 (2)	9.481	174263	0.922	ng/ml
59)	Aroclor 1268 (3)	9.547	109806	0.727	ng/ml
60)	Aroclor 1268 (4)	9.778	3892441	29.187	ng/ml
61)	Aroclor 1268 (5)	10.074	135585	2.733	ng/ml
62)	Aroclor 1268 (6)	10.452	7159674	20.886	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

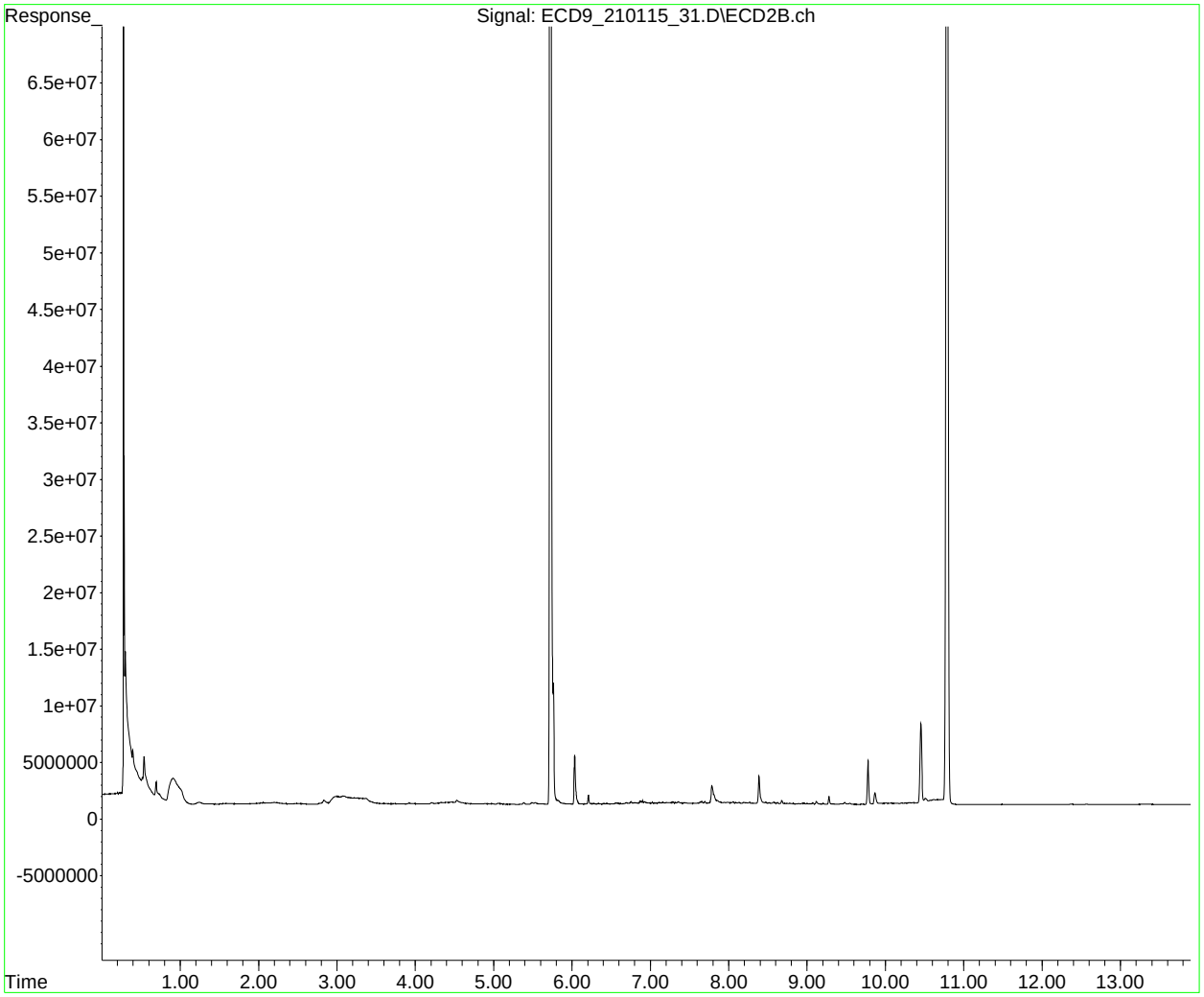
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_31.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 12:53
Operator : KAK
Sample : A0K0482-20
Misc :
ALS Vial : 60 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 15 15:26:46 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_35.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 13:29
Operator : KAK
Sample : 1A15009-CCV2
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 15 15:28:44 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	5.726	431283982	269.717	ng/ml
64) S	DCBP (S)	10.786	199434824	280.887	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.405	26677597	470.403	ng/ml
3)	Aroclor 1016 (2)	6.898	48117215	530.040	ng/ml
4)	Aroclor 1016 (3)	7.027	21329161	495.087	ng/ml
5)	Aroclor 1016 (4)	7.115	22125841	474.438	ng/ml
6)	Aroclor 1016 (5)	7.160	24614245	485.300	ng/ml
7)	Aroclor 1016 (6)	7.286	24772253	496.779	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.904	1695826	154.143	ng/ml
10)	Aroclor 1221 (2)	5.978	3281445	295.465	ng/ml
11)	Aroclor 1221 (3)	6.066	15571264	426.033	ng/ml
12)	Aroclor 1221 (4)	6.580	15821478	1999.918	ng/ml
13)	Aroclor 1221 (5)	6.898	48117215	8000.534	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	6.066	15571264	510.655	ng/ml
16)	Aroclor 1232 (2)	6.405	26677597	1320.381	ng/ml
17)	Aroclor 1232 (3)	6.898	48117215	1434.303	ng/ml
18)	Aroclor 1232 (4)	7.115	22125841	1586.464	ng/ml
19)	Aroclor 1232 (5)	7.160	24614245	1547.172	ng/ml
20)	Aroclor 1232 (6)	7.286	24772253	1524.027	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.405	26677597	711.105	ng/ml
23)	Aroclor 1242 (2)	6.898	48117215	799.784	ng/ml
24)	Aroclor 1242 (3)	7.027	21329161	734.348	ng/ml
25)	Aroclor 1242 (4)	7.115	22125841	775.918	ng/ml

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_35.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 13:29
Operator : KAK
Sample : 1A15009-CCV2
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 15 15:28:44 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
26)	Aroclor 1242 (5)	7.160	24614245	745.314	ng/ml
27)	Aroclor 1242 (6)	7.286	24772253	741.411	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.871	41547353	1089.406	ng/ml
30)	Aroclor 1248 (2)	7.115	22125841	406.584	ng/ml
31)	Aroclor 1248 (3)	7.160	24614245	496.131	ng/ml
32)	Aroclor 1248 (4)	7.286	24772253	427.812	ng/ml
33)	Aroclor 1248 (5)	7.654	5707148	78.458	ng/ml
34)	Aroclor 1248 (6)	7.815	21435721	359.321	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.632	17767792	249.625	ng/ml
37)	Aroclor 1254 (2)	7.815	21435721	196.865	ng/ml
38)	Aroclor 1254 (3)	8.128	12147244	108.925	ng/ml
39)	Aroclor 1254 (4)	8.369	8495203	103.901	ng/ml
40)	Aroclor 1254 (5)	8.707	62501970	724.231	ng/ml
41)	Aroclor 1254 (6)	8.927	9100683	377.058	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.266	51583342	536.583	ng/ml
44)	Aroclor 1260 (2)	8.473	62806970	546.857	ng/ml
45)	Aroclor 1260 (3)	8.707	62501970	552.866	ng/ml
46)	Aroclor 1260 (4)	9.207	97084689	591.000	ng/ml
47)	Aroclor 1260 (5)	9.480	55194708	568.137	ng/ml
48)	Aroclor 1260 (6)	10.079	22004768	568.189	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	8.473	62806970	784.658	ng/ml
51)	Aroclor 1262 (2)	8.778	45990445	403.795	ng/ml
52)	Aroclor 1262 (3)	8.957	44817804	507.355	ng/ml
53)	Aroclor 1262 (4)	9.207	97084689	569.312	ng/ml
54)	Aroclor 1262 (5)	9.480	55194708	524.222	ng/ml
55)	Aroclor 1262 (6)	10.079	22004768	483.520	ng/ml

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_35.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 13:29
Operator : KAK
Sample : 1A15009-CCV2
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 15 15:28:44 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	9.000	3451949	71.362	ng/ml
58)	Aroclor 1268 (2)	9.480	55194708	292.104	ng/ml
59)	Aroclor 1268 (3)	9.547	22303272	147.610	ng/ml
60)	Aroclor 1268 (4)	9.777	5054118	37.898	ng/ml
61)	Aroclor 1268 (5)	10.079	22004768	443.609	ng/ml
62)	Aroclor 1268 (6)	10.452	11675938	34.061	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

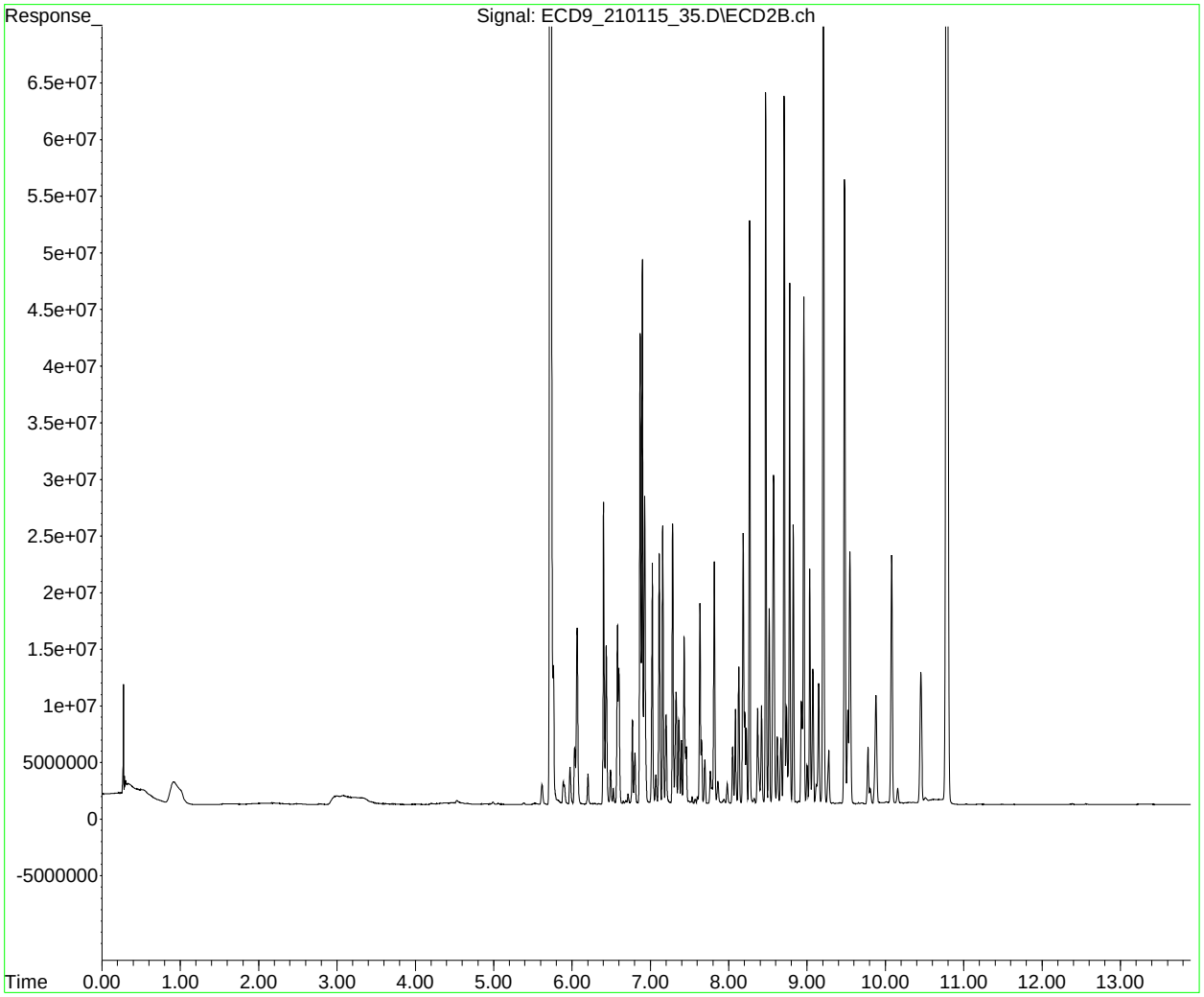
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_35.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 13:29
Operator : KAK
Sample : 1A15009-CCV2
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 15 15:28:44 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_35.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 13:29
Operator : KAK
Sample : 1A15009-CCV2
Misc :
ALS Vial : 52 Sample Multiplier: 1

KAK 1/15/21

Integration File: events.e
Quant Time: Jan 15 15:28:44 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units	
	System Monitoring Compounds					
1) S	TCMX (S)	5.726	431283982	269.717	ng/ml	
64) S	DCBP (S)	10.786	199434824	280.887	ng/ml	
	Target Compounds					
2)	Aroclor 1016 (1)	6.405	26677597	470.403	ng/ml	
3)	Aroclor 1016 (2)	6.898	48117215	530.040	ng/ml	
4)	Aroclor 1016 (3)	7.027	21329161	495.087	ng/ml	✓
5)	Aroclor 1016 (4)	7.115	22125841	474.438	ng/ml	
6)	Aroclor 1016 (5)	7.160	24614245	485.300	ng/ml	
7)	Aroclor 1016 (6)	7.286	24772253	496.779	ng/ml	
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml	
9)	Aroclor 1221 (1)	5.904	1695826	154.143	ng/ml	
10)	Aroclor 1221 (2)	5.978	3281445	295.465	ng/ml	
11)	Aroclor 1221 (3)	6.066	15571264	426.033	ng/ml	
12)	Aroclor 1221 (4)	6.580	15821478	1999.918	ng/ml	
13)	Aroclor 1221 (5)	6.898	48117215	8000.534	ng/ml	
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml	
15)	Aroclor 1232 (1)	6.066	15571264	510.655	ng/ml	
16)	Aroclor 1232 (2)	6.405	26677597	1320.381	ng/ml	
17)	Aroclor 1232 (3)	6.898	48117215	1434.303	ng/ml	
18)	Aroclor 1232 (4)	7.115	22125841	1586.464	ng/ml	
19)	Aroclor 1232 (5)	7.160	24614245	1547.172	ng/ml	
20)	Aroclor 1232 (6)	7.286	24772253	1524.027	ng/ml	
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml	
22)	Aroclor 1242 (1)	6.405	26677597	711.105	ng/ml	
23)	Aroclor 1242 (2)	6.898	48117215	799.784	ng/ml	
24)	Aroclor 1242 (3)	7.027	21329161	734.348	ng/ml	
25)	Aroclor 1242 (4)	7.115	22125841	775.918	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_35.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 13:29
Operator : KAK
Sample : 1A15009-CCV2
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 15 15:28:44 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units	
26)	Aroclor 1242 (5)	7.160	24614245	745.314	ng/ml	
27)	Aroclor 1242 (6)	7.286	24772253	741.411	ng/ml	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml	
29)	Aroclor 1248 (1)	6.871	41547353	1089.406	ng/ml	
30)	Aroclor 1248 (2)	7.115	22125841	406.584	ng/ml	
31)	Aroclor 1248 (3)	7.160	24614245	496.131	ng/ml	
32)	Aroclor 1248 (4)	7.286	24772253	427.812	ng/ml	
33)	Aroclor 1248 (5)	7.654	5707148	78.458	ng/ml	
34)	Aroclor 1248 (6)	7.815	21435721	359.321	ng/ml	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml	
36)	Aroclor 1254 (1)	7.632	17767792	249.625	ng/ml	
37)	Aroclor 1254 (2)	7.815	21435721	196.865	ng/ml	
38)	Aroclor 1254 (3)	8.128	12147244	108.925	ng/ml	
39)	Aroclor 1254 (4)	8.369	8495203	103.901	ng/ml	
40)	Aroclor 1254 (5)	8.707	62501970	724.231	ng/ml	
41)	Aroclor 1254 (6)	8.927	9100683	377.058	ng/ml	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml	
43)	Aroclor 1260 (1)	8.266	51583342	536.583	ng/ml	
44)	Aroclor 1260 (2)	8.473	62806970	546.857	ng/ml	
45)	Aroclor 1260 (3)	8.707	62501970	552.866	ng/ml	
46)	Aroclor 1260 (4)	9.207	97084689	591.000	ng/ml	✓
47)	Aroclor 1260 (5)	9.480	55194708	568.137	ng/ml	
48)	Aroclor 1260 (6)	10.079	22004768	568.189	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	8.473	62806970	784.658	ng/ml	
51)	Aroclor 1262 (2)	8.778	45990445	403.795	ng/ml	
52)	Aroclor 1262 (3)	8.957	44817804	507.355	ng/ml	
53)	Aroclor 1262 (4)	9.207	97084689	569.312	ng/ml	
54)	Aroclor 1262 (5)	9.480	55194708	524.222	ng/ml	
55)	Aroclor 1262 (6)	10.079	22004768	483.520	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_35.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 13:29
Operator : KAK
Sample : 1A15009-CCV2
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 15 15:28:44 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	9.000	3451949	71.362	ng/ml
58)	Aroclor 1268 (2)	9.480	55194708	292.104	ng/ml
59)	Aroclor 1268 (3)	9.547	22303272	147.610	ng/ml
60)	Aroclor 1268 (4)	9.777	5054118	37.898	ng/ml
61)	Aroclor 1268 (5)	10.079	22004768	443.609	ng/ml
62)	Aroclor 1268 (6)	10.452	11675938	34.061	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

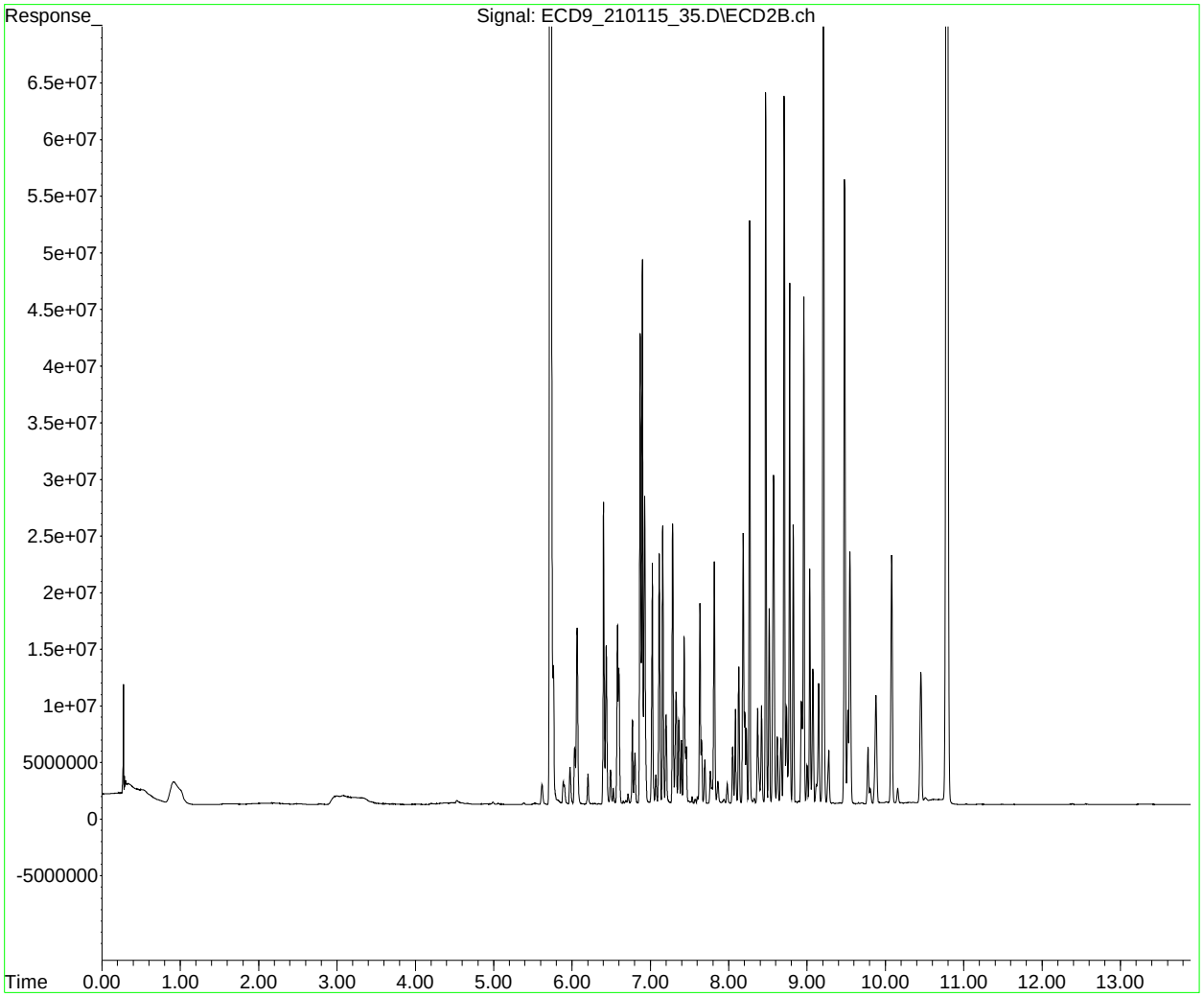
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_35.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 13:29
Operator : KAK
Sample : 1A15009-CCV2
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 15 15:28:44 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_37.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 13:47
Operator : KAK
Sample : 1A15009-CCB2
Misc :
ALS Vial : 53 Sample Multiplier: 1

KAK 1/15/21

Clean

Integration File: events.e
Quant Time: Jan 15 15:29:36 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	5.725	174626555	109.208	ng/ml
64) S	DCBP (S)	10.785	79447958	111.896	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.412	24316	0.429	ng/ml
3)	Aroclor 1016 (2)	6.906	81331	0.896	ng/ml
4)	Aroclor 1016 (3)	7.022	74736	1.735	ng/ml
5)	Aroclor 1016 (4)	7.124	82592	1.771	ng/ml
6)	Aroclor 1016 (5)	7.154	84858	1.673	ng/ml
7)	Aroclor 1016 (6)	7.285	91408	1.833	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.912	44473	4.042	ng/ml
10)	Aroclor 1221 (2)	5.983	37070	3.338	ng/ml
11)	Aroclor 1221 (3)	6.036	2148002	58.770	ng/ml
12)	Aroclor 1221 (4)	6.596	51185	6.470	ng/ml
13)	Aroclor 1221 (5)	6.906	81331	13.523	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	6.036	2148002	70.443	ng/ml
16)	Aroclor 1232 (2)	6.412	24316	1.203	ng/ml
17)	Aroclor 1232 (3)	6.906	81331	2.424	ng/ml
18)	Aroclor 1232 (4)	7.124	82592	5.922	ng/ml
19)	Aroclor 1232 (5)	7.154	84858	5.334	ng/ml
20)	Aroclor 1232 (6)	7.285	91408	5.624	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.412	24316	0.648	ng/ml
23)	Aroclor 1242 (2)	6.906	81331	1.352	ng/ml
24)	Aroclor 1242 (3)	7.022	74736	2.573	ng/ml
25)	Aroclor 1242 (4)	7.124	82592	2.896	ng/ml

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_37.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 13:47
Operator : KAK
Sample : 1A15009-CCB2
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 15 15:29:36 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
26)	Aroclor 1242 (5)	7.154	84858	2.569	ng/ml
27)	Aroclor 1242 (6)	7.285	91408	2.736	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.877	167869	4.402	ng/ml
30)	Aroclor 1248 (2)	7.124	82592	1.518	ng/ml
31)	Aroclor 1248 (3)	7.154	84858	1.710	ng/ml
32)	Aroclor 1248 (4)	7.285	91408	1.579	ng/ml
33)	Aroclor 1248 (5)	7.659	169177	2.326	ng/ml
34)	Aroclor 1248 (6)	7.786	1528743	25.626	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.659	169177	2.377	ng/ml
37)	Aroclor 1254 (2)	7.786	1528743	14.040	ng/ml
38)	Aroclor 1254 (3)	8.122	128767	1.155	ng/ml
39)	Aroclor 1254 (4)	8.385	2204033	26.957	ng/ml
40)	Aroclor 1254 (5)	8.677	201486	2.335	ng/ml
41)	Aroclor 1254 (6)	8.937	123175	5.103	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.265	140544	1.462	ng/ml
44)	Aroclor 1260 (2)	8.512f	147207	1.282	ng/ml
45)	Aroclor 1260 (3)	8.677	201486	1.782	ng/ml
46)	Aroclor 1260 (4)	9.185	57870	0.352	ng/ml
47)	Aroclor 1260 (5)	9.481	63488	0.654	ng/ml
48)	Aroclor 1260 (6)	10.074	172395	4.451	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	8.512f	147207	1.839	ng/ml
51)	Aroclor 1262 (2)	8.765	103085	0.905	ng/ml
52)	Aroclor 1262 (3)	8.937	123175	1.394	ng/ml
53)	Aroclor 1262 (4)	9.185	57870	0.339	ng/ml
54)	Aroclor 1262 (5)	9.481	63488	0.603	ng/ml
55)	Aroclor 1262 (6)	10.074	172395	3.788	ng/ml

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_37.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 13:47
Operator : KAK
Sample : 1A15009-CCB2
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 15 15:29:36 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	9.000	92060	1.903	ng/ml
58)	Aroclor 1268 (2)	9.481	63488	0.336	ng/ml
59)	Aroclor 1268 (3)	9.545	49137	0.325	ng/ml
60)	Aroclor 1268 (4)	9.777	1855795	13.916	ng/ml
61)	Aroclor 1268 (5)	10.074	172395	3.475	ng/ml
62)	Aroclor 1268 (6)	10.451	3378254	9.855	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

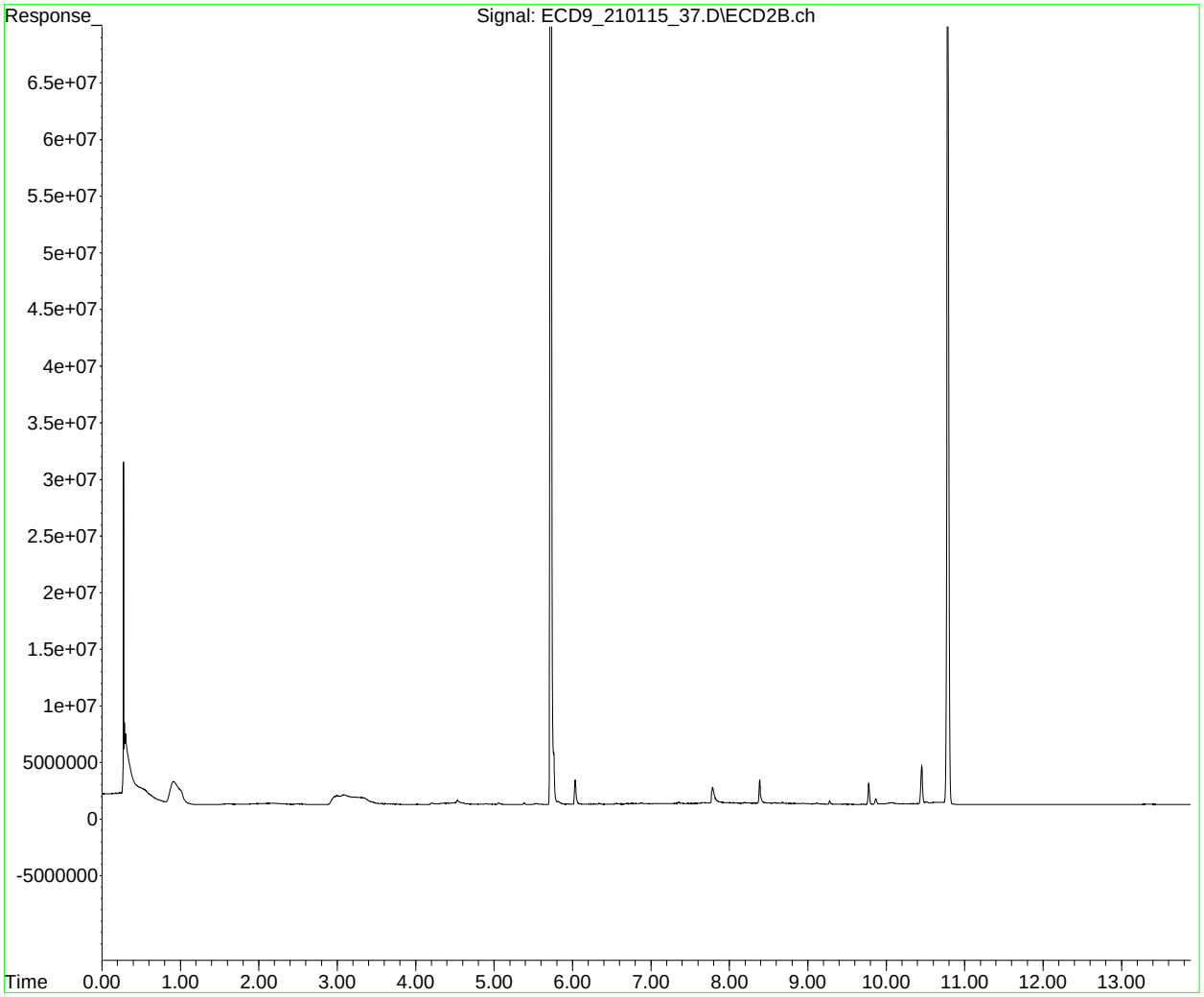
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A15009\
Data File : ECD9_210115_37.D
Signal(s) : ECD2B.ch
Acq On : 15 Jan 2021 13:47
Operator : KAK
Sample : 1A15009-CCB2
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File: events.e
Quant Time: Jan 15 15:29:36 2021
Quant Method : W:\1\methods\ECD9 Rear Methods\RECD9_QUANTPCB_200915RT3.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Polychlorinated Biphenyls by EPA 8082A
Benchsheet & Analysis Sequence Data

Sequence 1A14016 (QC Only)

ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence:	1A14016	Instrument:	DUALECD9F
Date:	**01/14/21 06:28**	Calibration:	**A0K0502**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	1A14016-CCV1	Sediment	QC	QC				A21A150
2	1A14016-CCB1	Sediment	QC	QC				A20L446
3	1012827-BLK1	Sediment	QC	QC		1012827		
4	1012827-BS1	Sediment	QC	QC		1012827		
5	A0K0477-05	Sediment	8082 PCBs - Low Level (2mL FV) +12	Anchor QEA, LLC	01/07/21	1012827		
6	1A14016-IBL1	Sediment	QC	QC				
7	1012827-DUP1	Sediment	QC	QC		1012827		
8	1A14016-IBL2	Sediment	QC	QC				
9	A0K0477-09	Sediment	8082 PCBs - Low Level (2mL FV) +12	Anchor QEA, LLC	01/07/21	1012827		
10	1A14016-IBL3	Sediment	QC	QC				
11	A0K0477-10	Sediment	8082 PCBs - Low Level (2mL FV) +12	Anchor QEA, LLC	01/07/21	1012827		
12	1A14016-IBL4	Sediment	QC	QC				
13	A0K0477-11	Sediment	8082 PCBs - Low Level (2mL FV) +12	Anchor QEA, LLC	01/07/21	1012827		
14	1A14016-IBL5	Sediment	QC	QC				
15	A0K0477-29	Sediment	8082 PCBs - Low Level (2mL FV) +12	Anchor QEA, LLC	01/07/21	1012827		
16	1A14016-IBL6	Sediment	QC	QC				
17	1A14016-CCV2	Sediment	QC	QC				A21A150
18	1A14016-CCB2	Sediment	QC	QC				A20L446

Comments:

Data Entered By/Date: KAK 1/14/21

Data Reviewed By/Date: MKZ 1/14/2021

1/14/2021 2:54:54PM

TOTAL AROCLOR AVERAGE RESULTS

The average result for the 1016 and 1260 selected peaks are reported here to facilitate data entry and review. Averages are done on all individual peaks and must be for matrix spikes if all peaks are not used in the average.

1A14016-CCV1

Aroclor 1016

Peak	Initial Res
1016 (1)	430.42
1016 (2)	492.96
1016 (3)	455.13
1016 (4)	423.84
1016 (5)	438.55
1016 (6)	425.58
Average:	**444.41**

Aroclor 1260

Peak	Initial Res
1260 (1)	435.14
1260 (2)	451.34
1260 (3)	461.25
1260 (4)	467.01
1260 (5)	443.97
1260 (6)	439.66
Average:	**449.73**

1012827-BS1

Aroclor 1016

Peak	Initial Res
1016 (1)	801.64
1016 (2)	927.67
1016 (3)	823.96
1016 (4)	828.05
1016 (5)	824.24
1016 (6)	830.75
Average:	**839.39**

Aroclor 1260

Peak	Initial Res
1260 (1)	859.08
1260 (2)	887.50
1260 (3)	875.17
1260 (4)	918.22
1260 (5)	942.30
1260 (6)	921.06
Average:	**900.56**

TOTAL AROCLOR AVERAGE RESULTS

The average result for the 1016 and 1260 selected peaks are reported here to facilitate data entry and review. Averages are done on all individual peaks and must be for matrix spikes if all peaks are not used in the average.

1A14016-CCV2

Aroclor 1016

Peak	Initial Res
1016 (1)	440.87
1016 (2)	481.41
1016 (3)	450.75
1016 (4)	437.24
1016 (5)	441.12
1016 (6)	439.56
Average:	**448.49**

Aroclor 1260

Peak	Initial Res
1260 (1)	447.93
1260 (2)	465.09
1260 (3)	456.83
1260 (4)	476.16
1260 (5)	477.68
1260 (6)	467.61
Average:	**465.22**

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A14016\
Data File : ECD9_210114_04.D
Signal(s) : ECD1A.ch
Acq On : 14 Jan 2021 07:39
Operator : KAK
Sample : 1A14016-CCV1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 14 12:52:35 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	4.847	333111337	211.227	ng/ml
64) S	DCBP (S)	9.687	288114968	223.038	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.773	28536871	430.420	ng/ml
3)	Aroclor 1016 (2)	6.189	56419782	492.962	ng/ml
4)	Aroclor 1016 (3)	6.271	30587016	455.135	ng/ml
5)	Aroclor 1016 (4)	6.431	23975923	423.836	ng/ml
6)	Aroclor 1016 (5)	6.655	29393376	438.547	ng/ml
7)	Aroclor 1016 (6)	6.783	19547699	425.582	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.206	6595775	344.049	ng/ml
10)	Aroclor 1221 (2)	5.328	3246343	255.465	ng/ml
11)	Aroclor 1221 (3)	5.409	14866570	366.764	ng/ml
12)	Aroclor 1221 (4)	5.882	2638826	393.432	ng/ml
13)	Aroclor 1221 (5)	6.189	56419782	7525.016	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	5.409	14866570	430.535	ng/ml
16)	Aroclor 1232 (2)	6.189	56419782	1294.849	ng/ml
17)	Aroclor 1232 (3)	6.271	30587016	1232.001	ng/ml
18)	Aroclor 1232 (4)	6.431	23975923	1413.710	ng/ml
19)	Aroclor 1232 (5)	6.655	29393376	1295.573	ng/ml
20)	Aroclor 1232 (6)	6.783	19547699	1107.713	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	5.773	28536871	634.468	ng/ml
23)	Aroclor 1242 (2)	6.189	56419782	718.496	ng/ml
24)	Aroclor 1242 (3)	6.271	30587016	665.051	ng/ml
25)	Aroclor 1242 (4)	6.431	23975923	688.996	ng/ml

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A14016\
Data File : ECD9_210114_04.D
Signal(s) : ECD1A.ch
Acq On : 14 Jan 2021 07:39
Operator : KAK
Sample : 1A14016-CCV1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 14 12:52:35 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
26)	Aroclor 1242 (5)	6.655	29393376	657.131	ng/ml
27)	Aroclor 1242 (6)	6.783	19547699	533.510	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.189	56419782	1194.867	ng/ml
30)	Aroclor 1248 (2)	6.431	23975923	377.977	ng/ml
31)	Aroclor 1248 (3)	6.655	29393376	375.642	ng/ml
32)	Aroclor 1248 (4)	6.952	5440710	62.178	ng/ml
33)	Aroclor 1248 (5)	6.987	19622669	216.589	ng/ml
34)	Aroclor 1248 (6)	7.480	39005916	870.881	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	6.987	19622669	224.177	ng/ml
37)	Aroclor 1254 (2)	7.098	19944923	196.218	ng/ml
38)	Aroclor 1254 (3)	7.480	39005916	249.973	ng/ml
39)	Aroclor 1254 (4)	7.640	5858770	57.337	ng/ml
40)	Aroclor 1254 (5)	8.025	51754364	502.715	ng/ml
41)	Aroclor 1254 (6)	8.321	5862477	177.045	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	7.593	52382601	435.136	ng/ml
44)	Aroclor 1260 (2)	7.727	66886915	451.336	ng/ml
45)	Aroclor 1260 (3)	8.291	51231180	461.255	ng/ml
46)	Aroclor 1260 (4)	8.463	117441955	467.013	ng/ml
47)	Aroclor 1260 (5)	8.766	72634192	443.973	ng/ml
48)	Aroclor 1260 (6)	9.169	29553178	439.655	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	7.727	66886915	643.845	ng/ml
51)	Aroclor 1262 (2)	8.056	49190049	333.156	ng/ml
52)	Aroclor 1262 (3)	8.291	51231180	410.698	ng/ml
53)	Aroclor 1262 (4)	8.463	117441955	449.382	ng/ml
54)	Aroclor 1262 (5)	8.766	72634192	460.329	ng/ml
55)	Aroclor 1262 (6)	9.169	29553178	356.847	ng/ml

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A14016\
Data File : ECD9_210114_04.D
Signal(s) : ECD1A.ch
Acq On : 14 Jan 2021 07:39
Operator : KAK
Sample : 1A14016-CCV1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 14 12:52:35 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	8.291	51231180	758.612	ng/ml
58)	Aroclor 1268 (2)	8.713	27358193	92.186	ng/ml
59)	Aroclor 1268 (3)	8.766	72634192	299.571	ng/ml
60)	Aroclor 1268 (4)	8.947	6371591	28.007	ng/ml
61)	Aroclor 1268 (5)	9.169	29553178	320.188	ng/ml
62)	Aroclor 1268 (6)	9.439	16839310	27.327	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

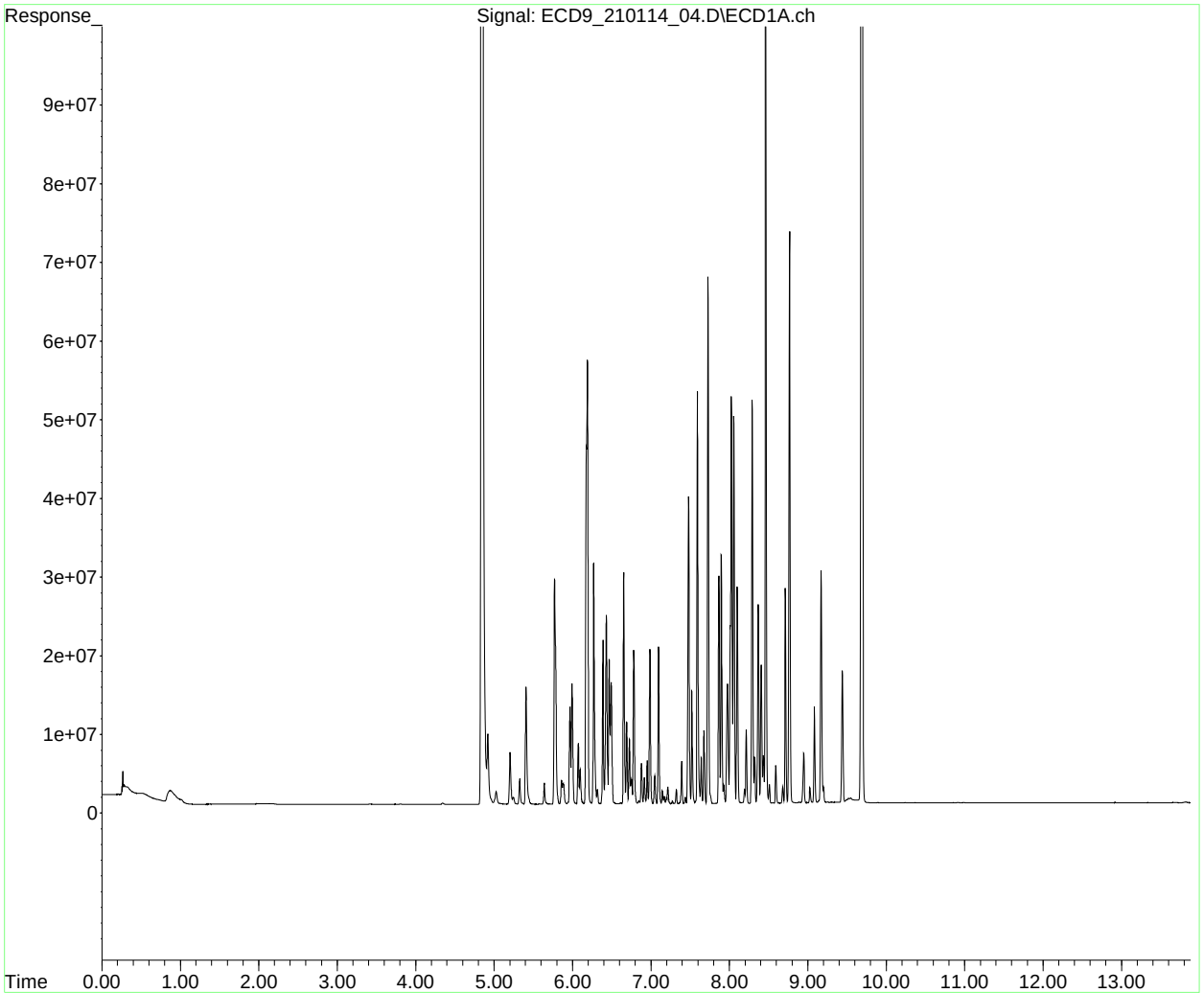
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A14016\
Data File : ECD9_210114_04.D
Signal(s) : ECD1A.ch
Acq On : 14 Jan 2021 07:39
Operator : KAK
Sample : 1A14016-CCV1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 14 12:52:35 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A14016\
Data File : ECD9_210114_04.D
Signal(s) : ECD1A.ch
Acq On : 14 Jan 2021 07:39
Operator : KAK
Sample : 1A14016-CCV1
Misc :
ALS Vial : 2 Sample Multiplier: 1

KAK 1/14/21

Integration File: PCB1.e
Quant Time: Jan 14 12:52:35 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units	
	System Monitoring Compounds					
1) S	TCMX (S)	4.847	333111337	211.227	ng/ml	
64) S	DCBP (S)	9.687	288114968	223.038	ng/ml	
	Target Compounds					
2)	Aroclor 1016 (1)	5.773	28536871	430.420	ng/ml	
3)	Aroclor 1016 (2)	6.189	56419782	492.962	ng/ml	
4)	Aroclor 1016 (3)	6.271	30587016	455.135	ng/ml	✓
5)	Aroclor 1016 (4)	6.431	23975923	423.836	ng/ml	
6)	Aroclor 1016 (5)	6.655	29393376	438.547	ng/ml	
7)	Aroclor 1016 (6)	6.783	19547699	425.582	ng/ml	
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml	
9)	Aroclor 1221 (1)	5.206	6595775	344.049	ng/ml	
10)	Aroclor 1221 (2)	5.328	3246343	255.465	ng/ml	
11)	Aroclor 1221 (3)	5.409	14866570	366.764	ng/ml	
12)	Aroclor 1221 (4)	5.882	2638826	393.432	ng/ml	
13)	Aroclor 1221 (5)	6.189	56419782	7525.016	ng/ml	
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml	
15)	Aroclor 1232 (1)	5.409	14866570	430.535	ng/ml	
16)	Aroclor 1232 (2)	6.189	56419782	1294.849	ng/ml	
17)	Aroclor 1232 (3)	6.271	30587016	1232.001	ng/ml	
18)	Aroclor 1232 (4)	6.431	23975923	1413.710	ng/ml	
19)	Aroclor 1232 (5)	6.655	29393376	1295.573	ng/ml	
20)	Aroclor 1232 (6)	6.783	19547699	1107.713	ng/ml	
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml	
22)	Aroclor 1242 (1)	5.773	28536871	634.468	ng/ml	
23)	Aroclor 1242 (2)	6.189	56419782	718.496	ng/ml	
24)	Aroclor 1242 (3)	6.271	30587016	665.051	ng/ml	
25)	Aroclor 1242 (4)	6.431	23975923	688.996	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A14016\
Data File : ECD9_210114_04.D
Signal(s) : ECD1A.ch
Acq On : 14 Jan 2021 07:39
Operator : KAK
Sample : 1A14016-CCV1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 14 12:52:35 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units	
26)	Aroclor 1242 (5)	6.655	29393376	657.131	ng/ml	
27)	Aroclor 1242 (6)	6.783	19547699	533.510	ng/ml	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml	
29)	Aroclor 1248 (1)	6.189	56419782	1194.867	ng/ml	
30)	Aroclor 1248 (2)	6.431	23975923	377.977	ng/ml	
31)	Aroclor 1248 (3)	6.655	29393376	375.642	ng/ml	
32)	Aroclor 1248 (4)	6.952	5440710	62.178	ng/ml	
33)	Aroclor 1248 (5)	6.987	19622669	216.589	ng/ml	
34)	Aroclor 1248 (6)	7.480	39005916	870.881	ng/ml	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml	
36)	Aroclor 1254 (1)	6.987	19622669	224.177	ng/ml	
37)	Aroclor 1254 (2)	7.098	19944923	196.218	ng/ml	
38)	Aroclor 1254 (3)	7.480	39005916	249.973	ng/ml	
39)	Aroclor 1254 (4)	7.640	5858770	57.337	ng/ml	
40)	Aroclor 1254 (5)	8.025	51754364	502.715	ng/ml	
41)	Aroclor 1254 (6)	8.321	5862477	177.045	ng/ml	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml	
43)	Aroclor 1260 (1)	7.593	52382601	435.136	ng/ml	
44)	Aroclor 1260 (2)	7.727	66886915	451.336	ng/ml	
45)	Aroclor 1260 (3)	8.291	51231180	461.255	ng/ml	
46)	Aroclor 1260 (4)	8.463	117441955	467.013	ng/ml	✓
47)	Aroclor 1260 (5)	8.766	72634192	443.973	ng/ml	
48)	Aroclor 1260 (6)	9.169	29553178	439.655	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	7.727	66886915	643.845	ng/ml	
51)	Aroclor 1262 (2)	8.056	49190049	333.156	ng/ml	
52)	Aroclor 1262 (3)	8.291	51231180	410.698	ng/ml	
53)	Aroclor 1262 (4)	8.463	117441955	449.382	ng/ml	
54)	Aroclor 1262 (5)	8.766	72634192	460.329	ng/ml	
55)	Aroclor 1262 (6)	9.169	29553178	356.847	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A14016\
Data File : ECD9_210114_04.D
Signal(s) : ECD1A.ch
Acq On : 14 Jan 2021 07:39
Operator : KAK
Sample : 1A14016-CCV1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 14 12:52:35 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	8.291	51231180	758.612	ng/ml
58)	Aroclor 1268 (2)	8.713	27358193	92.186	ng/ml
59)	Aroclor 1268 (3)	8.766	72634192	299.571	ng/ml
60)	Aroclor 1268 (4)	8.947	6371591	28.007	ng/ml
61)	Aroclor 1268 (5)	9.169	29553178	320.188	ng/ml
62)	Aroclor 1268 (6)	9.439	16839310	27.327	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

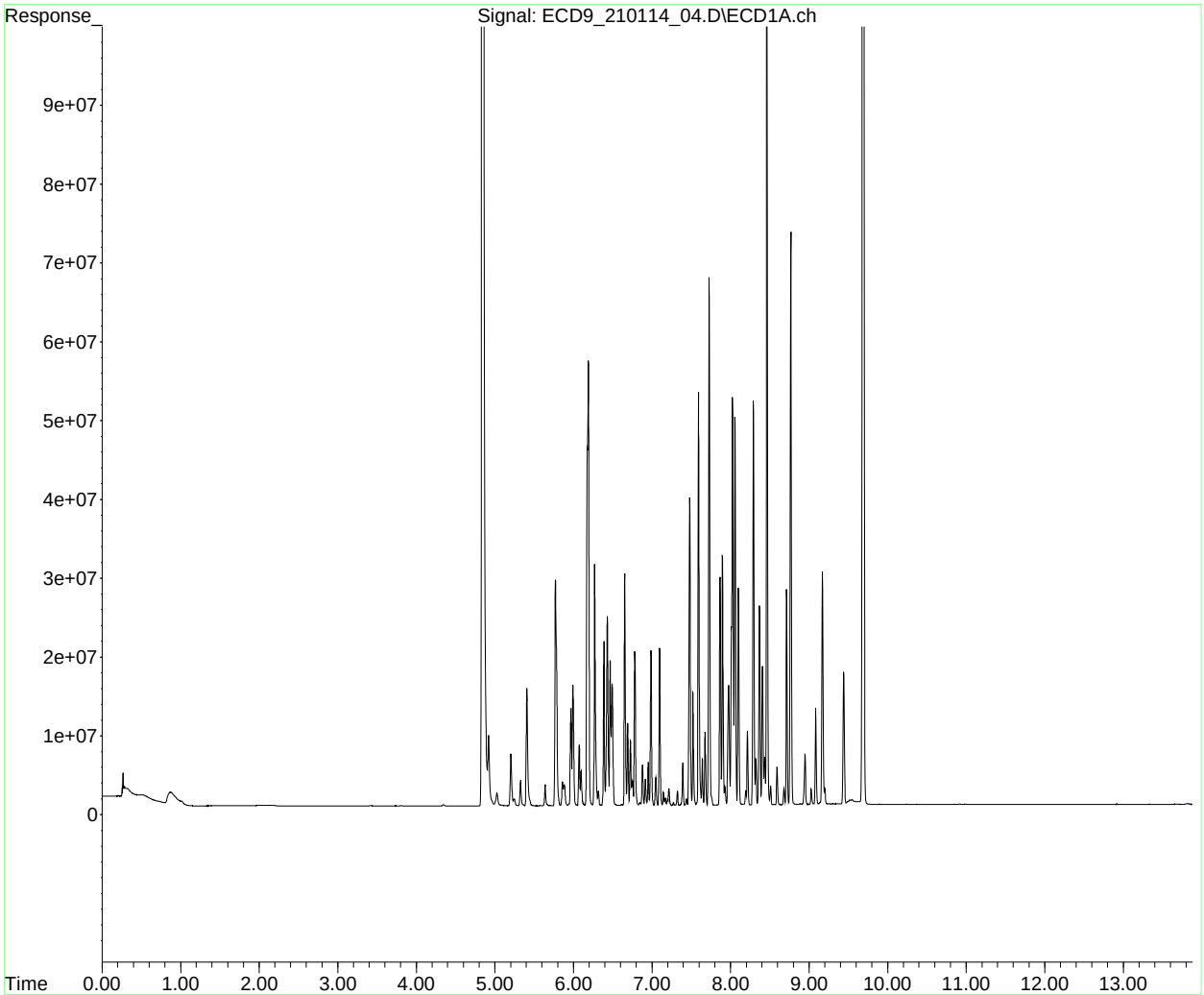
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A14016\
Data File : ECD9_210114_04.D
Signal(s) : ECD1A.ch
Acq On : 14 Jan 2021 07:39
Operator : KAK
Sample : 1A14016-CCV1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 14 12:52:35 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A14016\
Data File : ECD9_210114_06.D
Signal(s) : ECD1A.ch
Acq On : 14 Jan 2021 07:59
Operator : KAK
Sample : 1A14016-CCB1
Misc :
ALS Vial : 3 Sample Multiplier: 1

KAK 1/14/21

Clean

Integration File: PCB1.e
Quant Time: Jan 14 13:20:55 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
1) S	TCMX (S)	4.848	133613341	84.725 ng/ml
64) S	DCBP (S)	9.687	114419550	88.576 ng/ml
	Target Compounds			
2)	Aroclor 1016 (1)	5.760	23270	0.351 ng/ml
3)	Aroclor 1016 (2)	6.189	25605	0.224 ng/ml
4)	Aroclor 1016 (3)	6.268	18001	0.268 ng/ml
5)	Aroclor 1016 (4)	6.444	35297	0.624 ng/ml
6)	Aroclor 1016 (5)	6.652	19013	0.284 ng/ml
7)	Aroclor 1016 (6)	6.784	28232	0.615 ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9)	Aroclor 1221 (1)	5.205	1760073	91.809 ng/ml
10)	Aroclor 1221 (2)	5.329	13585	1.069 ng/ml
11)	Aroclor 1221 (3)	5.401	12435	0.307 ng/ml
12)	Aroclor 1221 (4)	5.881	16867	2.515 ng/ml
13)	Aroclor 1221 (5)	6.189	25605	3.415 ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15)	Aroclor 1232 (1)	5.401	12435	0.360 ng/ml
16)	Aroclor 1232 (2)	6.189	25605	0.588 ng/ml
17)	Aroclor 1232 (3)	6.268	18001	0.725 ng/ml
18)	Aroclor 1232 (4)	6.444	35297	2.081 ng/ml
19)	Aroclor 1232 (5)	6.652	19013	0.838 ng/ml
20)	Aroclor 1232 (6)	6.784	28232	1.600 ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22)	Aroclor 1242 (1)	5.760	23270	0.517 ng/ml
23)	Aroclor 1242 (2)	6.189	25605	0.326 ng/ml
24)	Aroclor 1242 (3)	6.268	18001	0.391 ng/ml
25)	Aroclor 1242 (4)	6.444	35297	1.014 ng/ml

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A14016\
Data File : ECD9_210114_06.D
Signal(s) : ECD1A.ch
Acq On : 14 Jan 2021 07:59
Operator : KAK
Sample : 1A14016-CCB1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 14 13:20:55 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
26)	Aroclor 1242 (5)	6.652	19013	0.425 ng/ml
27)	Aroclor 1242 (6)	6.784	28232	0.771 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.189	25605	0.542 ng/ml
30)	Aroclor 1248 (2)	6.444	35297	0.556 ng/ml
31)	Aroclor 1248 (3)	6.652	19013	0.243 ng/ml
32)	Aroclor 1248 (4)	6.954	19961	0.228 ng/ml
33)	Aroclor 1248 (5)	6.966	21192	0.234 ng/ml
34)	Aroclor 1248 (6)	7.480	24105	0.538 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	6.966	21192	0.242 ng/ml
37)	Aroclor 1254 (2)	7.095	30844	0.303 ng/ml
38)	Aroclor 1254 (3)	7.480	24105	0.154 ng/ml
39)	Aroclor 1254 (4)	7.640	19482	0.191 ng/ml
40)	Aroclor 1254 (5)	8.008	13589	0.132 ng/ml
41)	Aroclor 1254 (6)	8.311	12085	0.365 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	7.595	25349	0.211 ng/ml
44)	Aroclor 1260 (2)	7.728	22987	0.155 ng/ml
45)	Aroclor 1260 (3)	8.288	23827	0.215 ng/ml
46)	Aroclor 1260 (4)	8.458	200762	0.798 ng/ml
47)	Aroclor 1260 (5)	8.766	50974	0.312 ng/ml
48)	Aroclor 1260 (6)	9.139	117618	1.750 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	7.728	22987	0.221 ng/ml
51)	Aroclor 1262 (2)	8.037	101335	0.686 ng/ml
52)	Aroclor 1262 (3)	8.288	23827	0.191 ng/ml
53)	Aroclor 1262 (4)	8.458	200762	0.768 ng/ml
54)	Aroclor 1262 (5)	8.766	50974	0.323 ng/ml
55)	Aroclor 1262 (6)	9.139	117618	1.420 ng/ml

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A14016\
Data File : ECD9_210114_06.D
Signal(s) : ECD1A.ch
Acq On : 14 Jan 2021 07:59
Operator : KAK
Sample : 1A14016-CCB1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 14 13:20:55 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	8.288	23827	0.353	ng/ml
58)	Aroclor 1268 (2)	8.713	66492	0.224	ng/ml
59)	Aroclor 1268 (3)	8.766	50974	0.210	ng/ml
60)	Aroclor 1268 (4)	8.948	2239903	9.846	ng/ml
61)	Aroclor 1268 (5)	9.139	117618	1.274	ng/ml
62)	Aroclor 1268 (6)	9.440	4547280	7.379	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

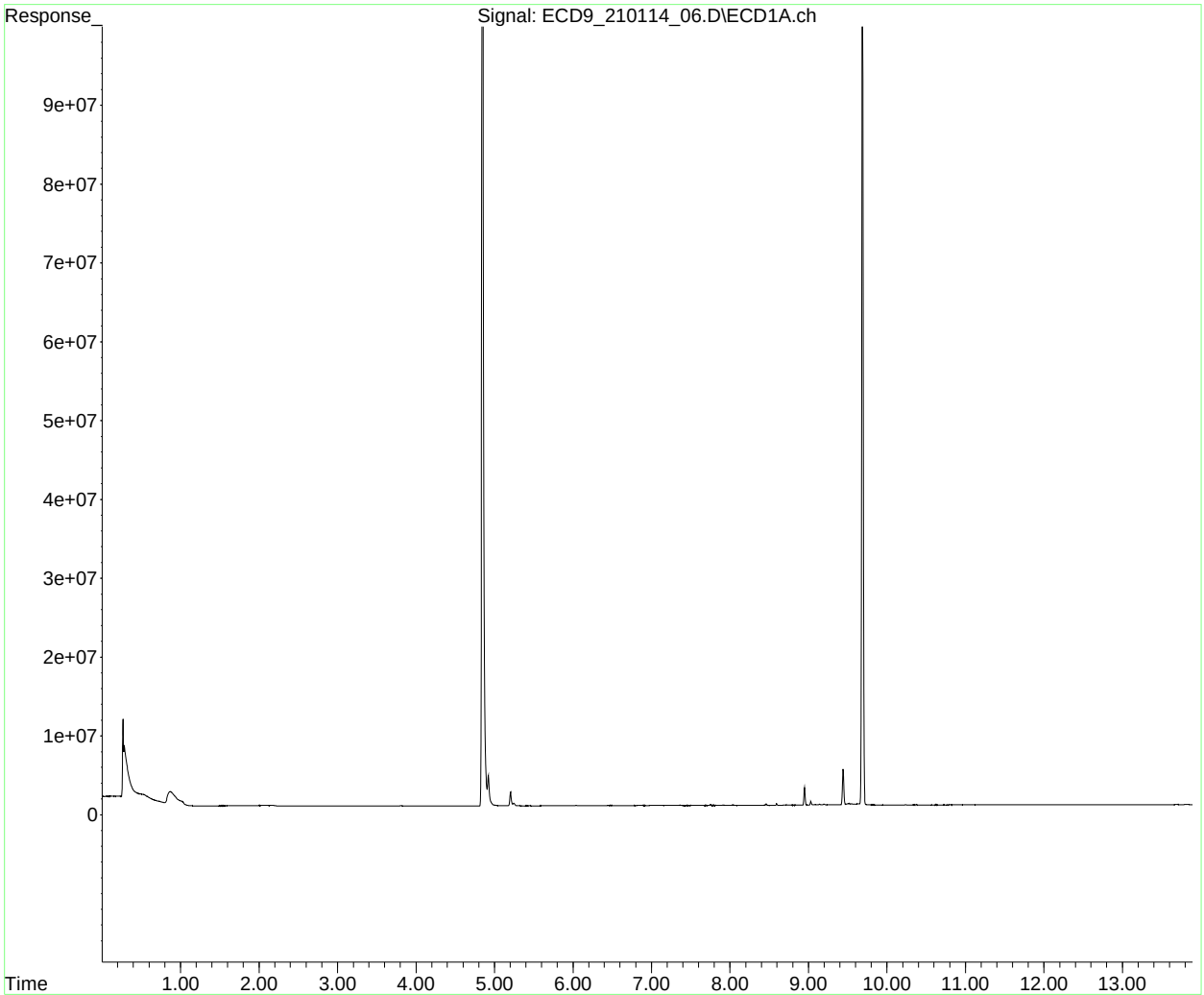
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A14016\
Data File : ECD9_210114_06.D
Signal(s) : ECD1A.ch
Acq On : 14 Jan 2021 07:59
Operator : KAK
Sample : 1A14016-CCB1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 14 13:20:55 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A14016\
Data File : ECD9_210114_08.D
Signal(s) : ECD1A.ch
Acq On : 14 Jan 2021 08:17
Operator : KAK
Sample : 1012827-BLK1
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 14 13:21:32 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
1) S	TCMX (S)	4.844	307146199	194.763 ng/ml
64) S	DCBP (S)	9.683	306772617	237.482 ng/ml
	Target Compounds			
2)	Aroclor 1016 (1)	5.757	46435	0.700 ng/ml
3)	Aroclor 1016 (2)	6.188	53469	0.467 ng/ml
4)	Aroclor 1016 (3)	6.269	21744	0.324 ng/ml
5)	Aroclor 1016 (4)	6.432	32821	0.580 ng/ml
6)	Aroclor 1016 (5)	6.653	31150	0.465 ng/ml
7)	Aroclor 1016 (6)	6.780	36407	0.793 ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9)	Aroclor 1221 (1)	5.201	4066208	212.102 ng/ml
10)	Aroclor 1221 (2)	5.323	25904	2.038 ng/ml
11)	Aroclor 1221 (3)	5.393	84501	2.085 ng/ml
12)	Aroclor 1221 (4)	5.882	11764	1.754 ng/ml
13)	Aroclor 1221 (5)	6.188	53469	7.131 ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15)	Aroclor 1232 (1)	5.393	84501	2.447 ng/ml
16)	Aroclor 1232 (2)	6.188	53469	1.227 ng/ml
17)	Aroclor 1232 (3)	6.269	21744	0.876 ng/ml
18)	Aroclor 1232 (4)	6.432	32821	1.935 ng/ml
19)	Aroclor 1232 (5)	6.653	31150	1.373 ng/ml
20)	Aroclor 1232 (6)	6.780	36407	2.063 ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22)	Aroclor 1242 (1)	5.757	46435	1.032 ng/ml
23)	Aroclor 1242 (2)	6.188	53469	0.681 ng/ml
24)	Aroclor 1242 (3)	6.269	21744	0.473 ng/ml
25)	Aroclor 1242 (4)	6.432	32821	0.943 ng/ml

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A14016\
Data File : ECD9_210114_08.D
Signal(s) : ECD1A.ch
Acq On : 14 Jan 2021 08:17
Operator : KAK
Sample : 1012827-BLK1
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 14 13:21:32 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
26)	Aroclor 1242 (5)	6.653	31150	0.696 ng/ml
27)	Aroclor 1242 (6)	6.780	36407	0.994 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.188	53469	1.132 ng/ml
30)	Aroclor 1248 (2)	6.432	32821	0.517 ng/ml
31)	Aroclor 1248 (3)	6.653	31150	0.398 ng/ml
32)	Aroclor 1248 (4)	6.949	31778	0.363 ng/ml
33)	Aroclor 1248 (5)	6.987	47180	0.521 ng/ml
34)	Aroclor 1248 (6)	7.475	37382	0.835 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	6.987	47180	0.539 ng/ml
37)	Aroclor 1254 (2)	7.100	29430	0.290 ng/ml
38)	Aroclor 1254 (3)	7.475	37382	0.240 ng/ml
39)	Aroclor 1254 (4)	7.637	22438	0.220 ng/ml
40)	Aroclor 1254 (5)	8.034	132673	1.289 ng/ml
41)	Aroclor 1254 (6)	8.318	8932	0.270 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	7.593	28357	0.236 ng/ml
44)	Aroclor 1260 (2)	7.725	33237	0.224 ng/ml
45)	Aroclor 1260 (3)	8.285	37962	0.342 ng/ml
46)	Aroclor 1260 (4)	8.456	254756	1.013 ng/ml
47)	Aroclor 1260 (5)	8.760	78135	0.478 ng/ml
48)	Aroclor 1260 (6)	9.192	342887	5.101 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	7.725	33237	0.320 ng/ml
51)	Aroclor 1262 (2)	8.034	132673	0.899 ng/ml
52)	Aroclor 1262 (3)	8.285	37962	0.304 ng/ml
53)	Aroclor 1262 (4)	8.456	254756	0.975 ng/ml
54)	Aroclor 1262 (5)	8.760	78135	0.495 ng/ml
55)	Aroclor 1262 (6)	9.192	342887	4.140 ng/ml

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A14016\
Data File : ECD9_210114_08.D
Signal(s) : ECD1A.ch
Acq On : 14 Jan 2021 08:17
Operator : KAK
Sample : 1012827-BLK1
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 14 13:21:32 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	8.285	37962	0.562	ng/ml
58)	Aroclor 1268 (2)	8.711	74793	0.252	ng/ml
59)	Aroclor 1268 (3)	8.760	78135	0.322	ng/ml
60)	Aroclor 1268 (4)	8.945	5293268	23.267	ng/ml
61)	Aroclor 1268 (5)	9.192	342887	3.715	ng/ml
62)	Aroclor 1268 (6)	9.436	11514333	18.686	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

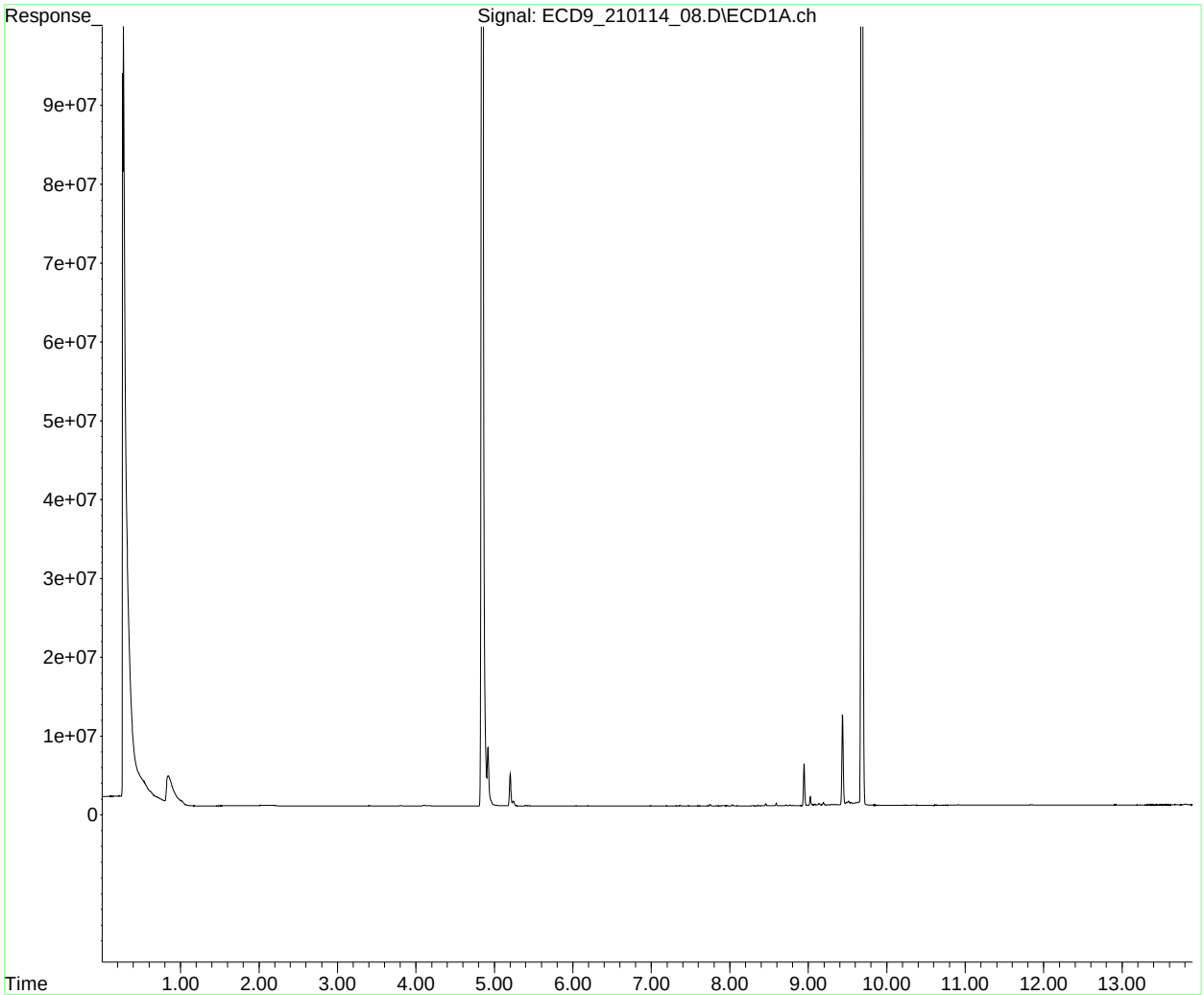
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A14016\
Data File : ECD9_210114_08.D
Signal(s) : ECD1A.ch
Acq On : 14 Jan 2021 08:17
Operator : KAK
Sample : 1012827-BLK1
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 14 13:21:32 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A14016\
Data File : ECD9_210114_08.D
Signal(s) : ECD1A.ch
Acq On : 14 Jan 2021 08:17
Operator : KAK
Sample : 1012827-BLK1
Misc :
ALS Vial : 4 Sample Multiplier: 1

KAK 1/14/21

Clean

Integration File: PCB1.e
Quant Time: Jan 14 13:22:18 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	4.844	307146199	194.763	ng/ml
64) S	DCBP (S)	9.683	306772617	237.482	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.757	46435	0.700	ng/ml
3)	Aroclor 1016 (2)	6.188	53469	0.467	ng/ml
4)	Aroclor 1016 (3)	6.269	21744	0.324	ng/ml
5)	Aroclor 1016 (4)	6.432	32821	0.580	ng/ml
6)	Aroclor 1016 (5)	6.653	31150	0.465	ng/ml
7)	Aroclor 1016 (6)	6.780	36407	0.793	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.201	4066208	212.102	ng/ml
10)	Aroclor 1221 (2)	5.323	25904	2.038	ng/ml
11)	Aroclor 1221 (3)	5.393	84501	2.085	ng/ml
12)	Aroclor 1221 (4)	5.882	11764	1.754	ng/ml
13)	Aroclor 1221 (5)	6.188	53469	7.131	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	5.393	84501	2.447	ng/ml
16)	Aroclor 1232 (2)	6.188	53469	1.227	ng/ml
17)	Aroclor 1232 (3)	6.269	21744	0.876	ng/ml
18)	Aroclor 1232 (4)	6.432	32821	1.935	ng/ml
19)	Aroclor 1232 (5)	6.653	31150	1.373	ng/ml
20)	Aroclor 1232 (6)	6.780	36407	2.063	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	5.757	46435	1.032	ng/ml
23)	Aroclor 1242 (2)	6.188	53469	0.681	ng/ml
24)	Aroclor 1242 (3)	6.269	21744	0.473	ng/ml
25)	Aroclor 1242 (4)	6.432	32821	0.943	ng/ml

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A14016\
Data File : ECD9_210114_08.D
Signal(s) : ECD1A.ch
Acq On : 14 Jan 2021 08:17
Operator : KAK
Sample : 1012827-BLK1
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 14 13:22:18 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
26)	Aroclor 1242 (5)	6.653	31150	0.696 ng/ml
27)	Aroclor 1242 (6)	6.780	36407	0.994 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.188	53469	1.132 ng/ml
30)	Aroclor 1248 (2)	6.432	32821	0.517 ng/ml
31)	Aroclor 1248 (3)	6.653	31150	0.398 ng/ml
32)	Aroclor 1248 (4)	6.949	31778	0.363 ng/ml
33)	Aroclor 1248 (5)	6.987	47180	0.521 ng/ml
34)	Aroclor 1248 (6)	7.475	37382	0.835 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	6.987	47180	0.539 ng/ml
37)	Aroclor 1254 (2)	7.100	29430	0.290 ng/ml
38)	Aroclor 1254 (3)	7.475	37382	0.240 ng/ml
39)	Aroclor 1254 (4)	7.637	22438	0.220 ng/ml
40)	Aroclor 1254 (5)	8.034	132673	1.289 ng/ml
41)	Aroclor 1254 (6)	8.318	8932	0.270 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	7.593	28357	0.236 ng/ml
44)	Aroclor 1260 (2)	7.725	33237	0.224 ng/ml
45)	Aroclor 1260 (3)	8.285	37962	0.342 ng/ml
46)	Aroclor 1260 (4)	8.456	254756	1.013 ng/ml
47)	Aroclor 1260 (5)	8.760	78135	0.478 ng/ml
48)	Aroclor 1260 (6)	9.192	342887	5.101 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	7.725	33237	0.320 ng/ml
51)	Aroclor 1262 (2)	8.034	132673	0.899 ng/ml
52)	Aroclor 1262 (3)	8.285	37962	0.304 ng/ml
53)	Aroclor 1262 (4)	8.456	254756	0.975 ng/ml
54)	Aroclor 1262 (5)	8.760	78135	0.495 ng/ml
55)	Aroclor 1262 (6)	9.192	342887	4.140 ng/ml

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A14016\
Data File : ECD9_210114_08.D
Signal(s) : ECD1A.ch
Acq On : 14 Jan 2021 08:17
Operator : KAK
Sample : 1012827-BLK1
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 14 13:22:18 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	8.285	37962	0.562	ng/ml
58)	Aroclor 1268 (2)	8.711	74793	0.252	ng/ml
59)	Aroclor 1268 (3)	8.760	78135	0.322	ng/ml
60)	Aroclor 1268 (4)	8.945	5293268	23.267	ng/ml
61)	Aroclor 1268 (5)	9.192	342887	3.715	ng/ml
62)	Aroclor 1268 (6)	9.436	11514333	18.686	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

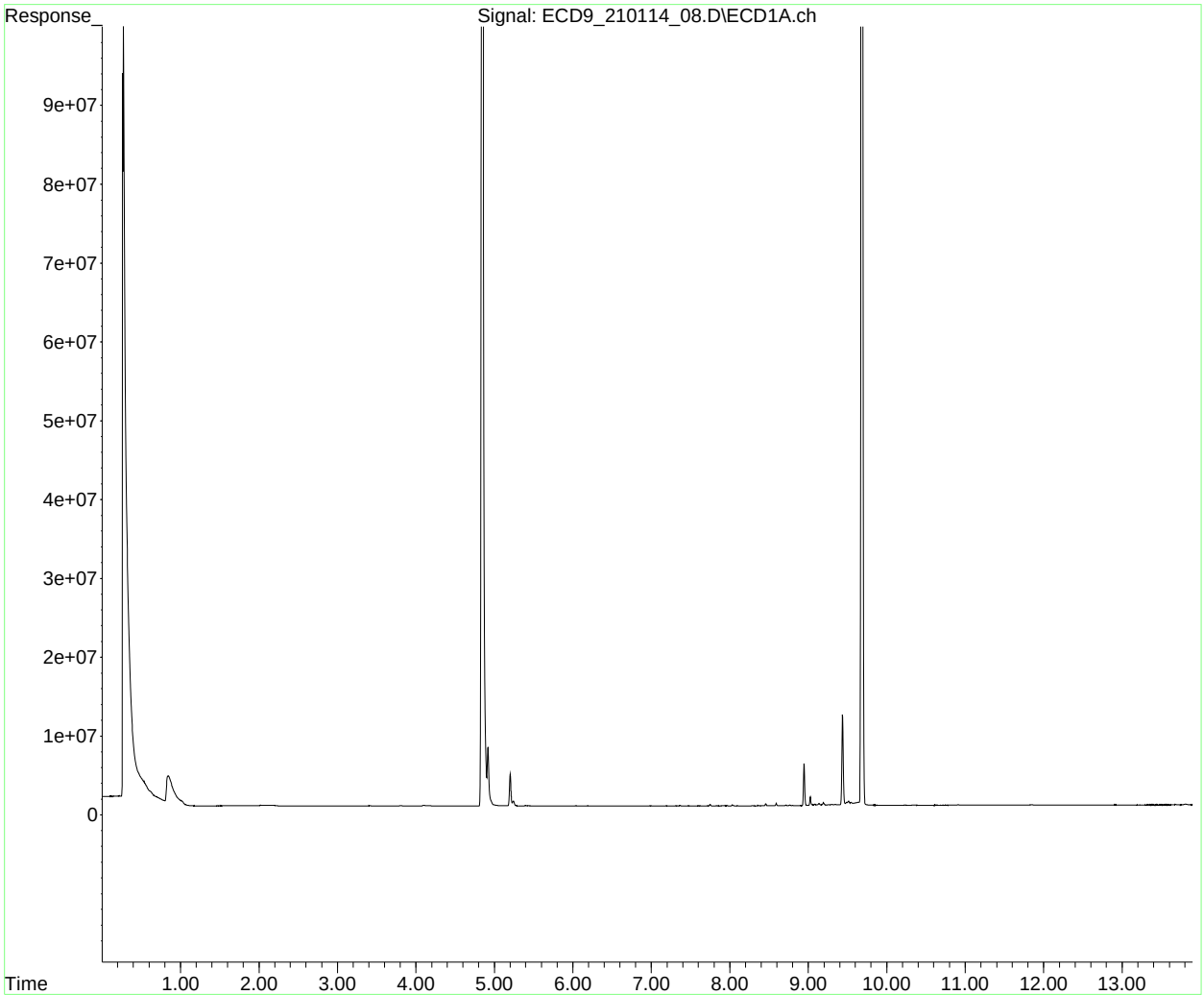
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A14016\
Data File : ECD9_210114_08.D
Signal(s) : ECD1A.ch
Acq On : 14 Jan 2021 08:17
Operator : KAK
Sample : 1012827-BLK1
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 14 13:22:18 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A14016\
Data File : ECD9_210114_10.D
Signal(s) : ECD1A.ch
Acq On : 14 Jan 2021 08:34
Operator : KAK
Sample : 1012827-BS1
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 14 13:23:04 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	4.844	312090409	197.898	ng/ml
64) S	DCBP (S)	9.683	296608842	229.614	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.771	53149034	801.644	ng/ml
3)	Aroclor 1016 (2)	6.188	106172750	927.673	ng/ml
4)	Aroclor 1016 (3)	6.270	55373343	823.955	ng/ml
5)	Aroclor 1016 (4)	6.430	46841839	828.049	ng/ml
6)	Aroclor 1016 (5)	6.653	55244021	824.236	ng/ml
7)	Aroclor 1016 (6)	6.781	38157861	830.753	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.205	8422460	439.332	ng/ml
10)	Aroclor 1221 (2)	5.327	5697658	448.367	ng/ml
11)	Aroclor 1221 (3)	5.407	27296031	673.403	ng/ml
12)	Aroclor 1221 (4)	5.879	4549620	678.320	ng/ml
13)	Aroclor 1221 (5)	6.188	106172750	14160.842	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	5.407	27296031	790.491	ng/ml
16)	Aroclor 1232 (2)	6.188	106172750	2436.693	ng/ml
17)	Aroclor 1232 (3)	6.270	55373343	2230.359	ng/ml
18)	Aroclor 1232 (4)	6.430	46841839	2761.969	ng/ml
19)	Aroclor 1232 (5)	6.653	55244021	2434.993	ng/ml
20)	Aroclor 1232 (6)	6.781	38157861	2162.298	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	5.771	53149034	1181.676	ng/ml
23)	Aroclor 1242 (2)	6.188	106172750	1352.091	ng/ml
24)	Aroclor 1242 (3)	6.270	55373343	1203.979	ng/ml
25)	Aroclor 1242 (4)	6.430	46841839	1346.093	ng/ml

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A14016\
Data File : ECD9_210114_10.D
Signal(s) : ECD1A.ch
Acq On : 14 Jan 2021 08:34
Operator : KAK
Sample : 1012827-BS1
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 14 13:23:04 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
26)	Aroclor 1242 (5)	6.653	55244021	1235.059	ng/ml
27)	Aroclor 1242 (6)	6.781	38157861	1041.431	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.188	106172750	2248.543	ng/ml
30)	Aroclor 1248 (2)	6.430	46841839	738.456	ng/ml
31)	Aroclor 1248 (3)	6.653	55244021	706.009	ng/ml
32)	Aroclor 1248 (4)	6.950	10389049	118.730	ng/ml
33)	Aroclor 1248 (5)	6.985	37374791	412.531	ng/ml
34)	Aroclor 1248 (6)	7.478	77062261	1720.561	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	6.985	37374791	426.985	ng/ml
37)	Aroclor 1254 (2)	7.095	39231646	385.961	ng/ml
38)	Aroclor 1254 (3)	7.478	77062261	493.860	ng/ml
39)	Aroclor 1254 (4)	7.638	11423659	111.798	ng/ml
40)	Aroclor 1254 (5)	8.023	102581862	996.426	ng/ml
41)	Aroclor 1254 (6)	8.319	10995067	332.047	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	7.591	103417791	859.080	ng/ml
44)	Aroclor 1260 (2)	7.726	131524952	887.497	ng/ml
45)	Aroclor 1260 (3)	8.289	97204740	875.173	ng/ml
46)	Aroclor 1260 (4)	8.461	230910185	918.224	ng/ml
47)	Aroclor 1260 (5)	8.764	154160375	942.298	ng/ml
48)	Aroclor 1260 (6)	9.167	61912592	921.058	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	7.726	131524952	1266.043	ng/ml
51)	Aroclor 1262 (2)	8.054	100931086	683.590	ng/ml
52)	Aroclor 1262 (3)	8.289	97204740	779.248	ng/ml
53)	Aroclor 1262 (4)	8.461	230910185	883.558	ng/ml
54)	Aroclor 1262 (5)	8.764	154160375	977.011	ng/ml
55)	Aroclor 1262 (6)	9.167	61912592	747.580	ng/ml

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A14016\
Data File : ECD9_210114_10.D
Signal(s) : ECD1A.ch
Acq On : 14 Jan 2021 08:34
Operator : KAK
Sample : 1012827-BS1
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 14 13:23:04 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	8.289	97204740	1439.371	ng/ml
58)	Aroclor 1268 (2)	8.711	54895828	184.977	ng/ml
59)	Aroclor 1268 (3)	8.764	154160375	635.816	ng/ml
60)	Aroclor 1268 (4)	8.944	8016164	35.236	ng/ml
61)	Aroclor 1268 (5)	9.167	61912592	670.780	ng/ml
62)	Aroclor 1268 (6)	9.436	23460990	38.073	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

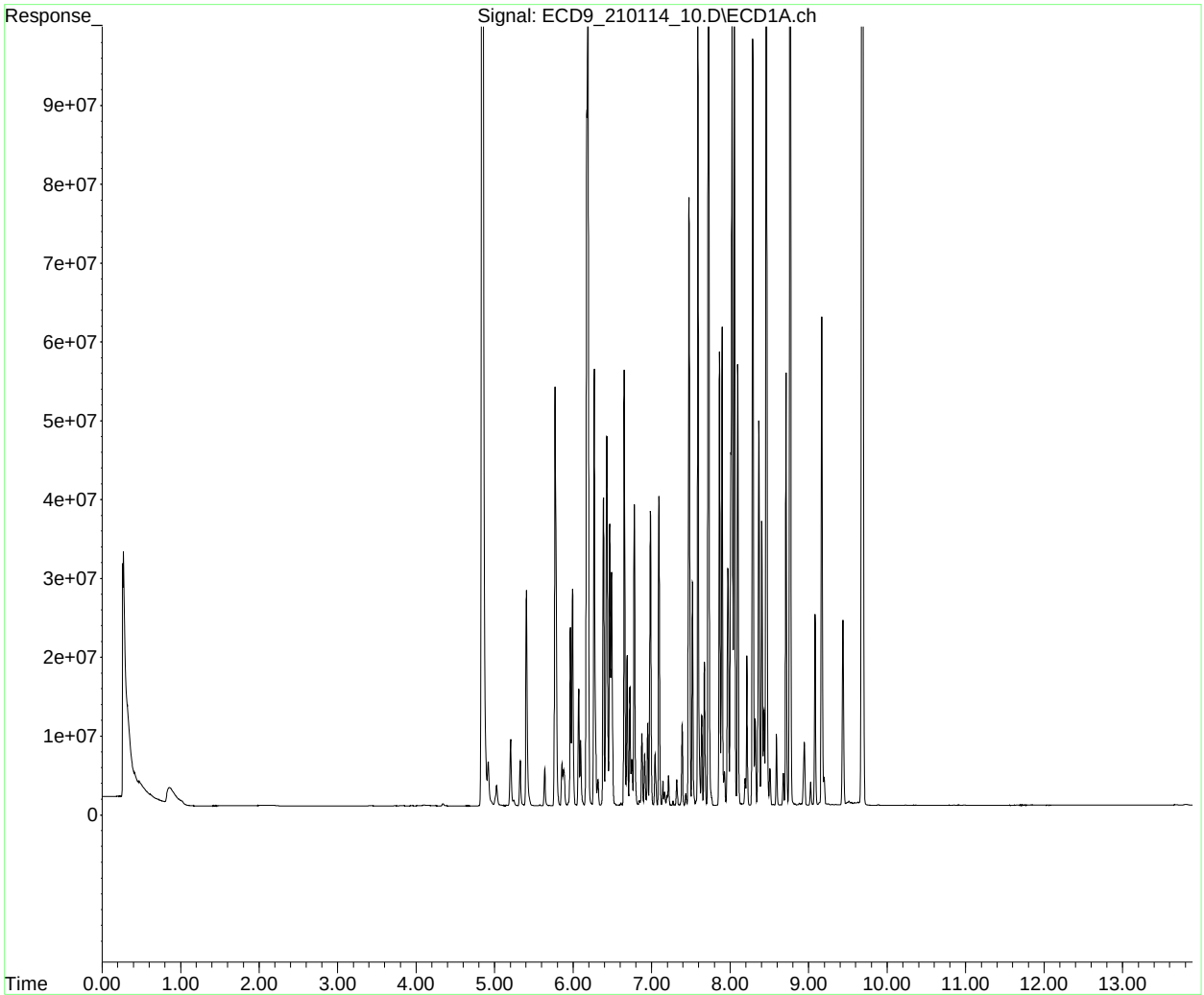
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A14016\
Data File : ECD9_210114_10.D
Signal(s) : ECD1A.ch
Acq On : 14 Jan 2021 08:34
Operator : KAK
Sample : 1012827-BS1
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 14 13:23:04 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A14016\
Data File : ECD9_210114_10.D
Signal(s) : ECD1A.ch
Acq On : 14 Jan 2021 08:34
Operator : KAK
Sample : 1012827-BS1
Misc :
ALS Vial : 5 Sample Multiplier: 1

KAK 1/14/21

Integration File: PCB1.e
Quant Time: Jan 14 13:23:04 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units	
	System Monitoring Compounds					
1) S	TCMX (S)	4.844	312090409	197.898	ng/ml	
64) S	DCBP (S)	9.683	296608842	229.614	ng/ml	
	Target Compounds					
2)	Aroclor 1016 (1)	5.771	53149034	801.644	ng/ml	
3)	Aroclor 1016 (2)	6.188	106172750	927.673	ng/ml	
4)	Aroclor 1016 (3)	6.270	55373343	823.955	ng/ml	
5)	Aroclor 1016 (4)	6.430	46841839	828.049	ng/ml	✓
6)	Aroclor 1016 (5)	6.653	55244021	824.236	ng/ml	
7)	Aroclor 1016 (6)	6.781	38157861	830.753	ng/ml	
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml	
9)	Aroclor 1221 (1)	5.205	8422460	439.332	ng/ml	
10)	Aroclor 1221 (2)	5.327	5697658	448.367	ng/ml	
11)	Aroclor 1221 (3)	5.407	27296031	673.403	ng/ml	
12)	Aroclor 1221 (4)	5.879	4549620	678.320	ng/ml	
13)	Aroclor 1221 (5)	6.188	106172750	14160.842	ng/ml	
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml	
15)	Aroclor 1232 (1)	5.407	27296031	790.491	ng/ml	
16)	Aroclor 1232 (2)	6.188	106172750	2436.693	ng/ml	
17)	Aroclor 1232 (3)	6.270	55373343	2230.359	ng/ml	
18)	Aroclor 1232 (4)	6.430	46841839	2761.969	ng/ml	
19)	Aroclor 1232 (5)	6.653	55244021	2434.993	ng/ml	
20)	Aroclor 1232 (6)	6.781	38157861	2162.298	ng/ml	
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml	
22)	Aroclor 1242 (1)	5.771	53149034	1181.676	ng/ml	
23)	Aroclor 1242 (2)	6.188	106172750	1352.091	ng/ml	
24)	Aroclor 1242 (3)	6.270	55373343	1203.979	ng/ml	
25)	Aroclor 1242 (4)	6.430	46841839	1346.093	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A14016\
Data File : ECD9_210114_10.D
Signal(s) : ECD1A.ch
Acq On : 14 Jan 2021 08:34
Operator : KAK
Sample : 1012827-BS1
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 14 13:23:04 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units	
26)	Aroclor 1242 (5)	6.653	55244021	1235.059	ng/ml	
27)	Aroclor 1242 (6)	6.781	38157861	1041.431	ng/ml	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml	
29)	Aroclor 1248 (1)	6.188	106172750	2248.543	ng/ml	
30)	Aroclor 1248 (2)	6.430	46841839	738.456	ng/ml	
31)	Aroclor 1248 (3)	6.653	55244021	706.009	ng/ml	
32)	Aroclor 1248 (4)	6.950	10389049	118.730	ng/ml	
33)	Aroclor 1248 (5)	6.985	37374791	412.531	ng/ml	
34)	Aroclor 1248 (6)	7.478	77062261	1720.561	ng/ml	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml	
36)	Aroclor 1254 (1)	6.985	37374791	426.985	ng/ml	
37)	Aroclor 1254 (2)	7.095	39231646	385.961	ng/ml	
38)	Aroclor 1254 (3)	7.478	77062261	493.860	ng/ml	
39)	Aroclor 1254 (4)	7.638	11423659	111.798	ng/ml	
40)	Aroclor 1254 (5)	8.023	102581862	996.426	ng/ml	
41)	Aroclor 1254 (6)	8.319	10995067	332.047	ng/ml	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml	
43)	Aroclor 1260 (1)	7.591	103417791	859.080	ng/ml	
44)	Aroclor 1260 (2)	7.726	131524952	887.497	ng/ml	
45)	Aroclor 1260 (3)	8.289	97204740	875.173	ng/ml	
46)	Aroclor 1260 (4)	8.461	230910185	918.224	ng/ml	✓
47)	Aroclor 1260 (5)	8.764	154160375	942.298	ng/ml	
48)	Aroclor 1260 (6)	9.167	61912592	921.058	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	7.726	131524952	1266.043	ng/ml	
51)	Aroclor 1262 (2)	8.054	100931086	683.590	ng/ml	
52)	Aroclor 1262 (3)	8.289	97204740	779.248	ng/ml	
53)	Aroclor 1262 (4)	8.461	230910185	883.558	ng/ml	
54)	Aroclor 1262 (5)	8.764	154160375	977.011	ng/ml	
55)	Aroclor 1262 (6)	9.167	61912592	747.580	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A14016\
Data File : ECD9_210114_10.D
Signal(s) : ECD1A.ch
Acq On : 14 Jan 2021 08:34
Operator : KAK
Sample : 1012827-BS1
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 14 13:23:04 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	8.289	97204740	1439.371	ng/ml
58)	Aroclor 1268 (2)	8.711	54895828	184.977	ng/ml
59)	Aroclor 1268 (3)	8.764	154160375	635.816	ng/ml
60)	Aroclor 1268 (4)	8.944	8016164	35.236	ng/ml
61)	Aroclor 1268 (5)	9.167	61912592	670.780	ng/ml
62)	Aroclor 1268 (6)	9.436	23460990	38.073	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

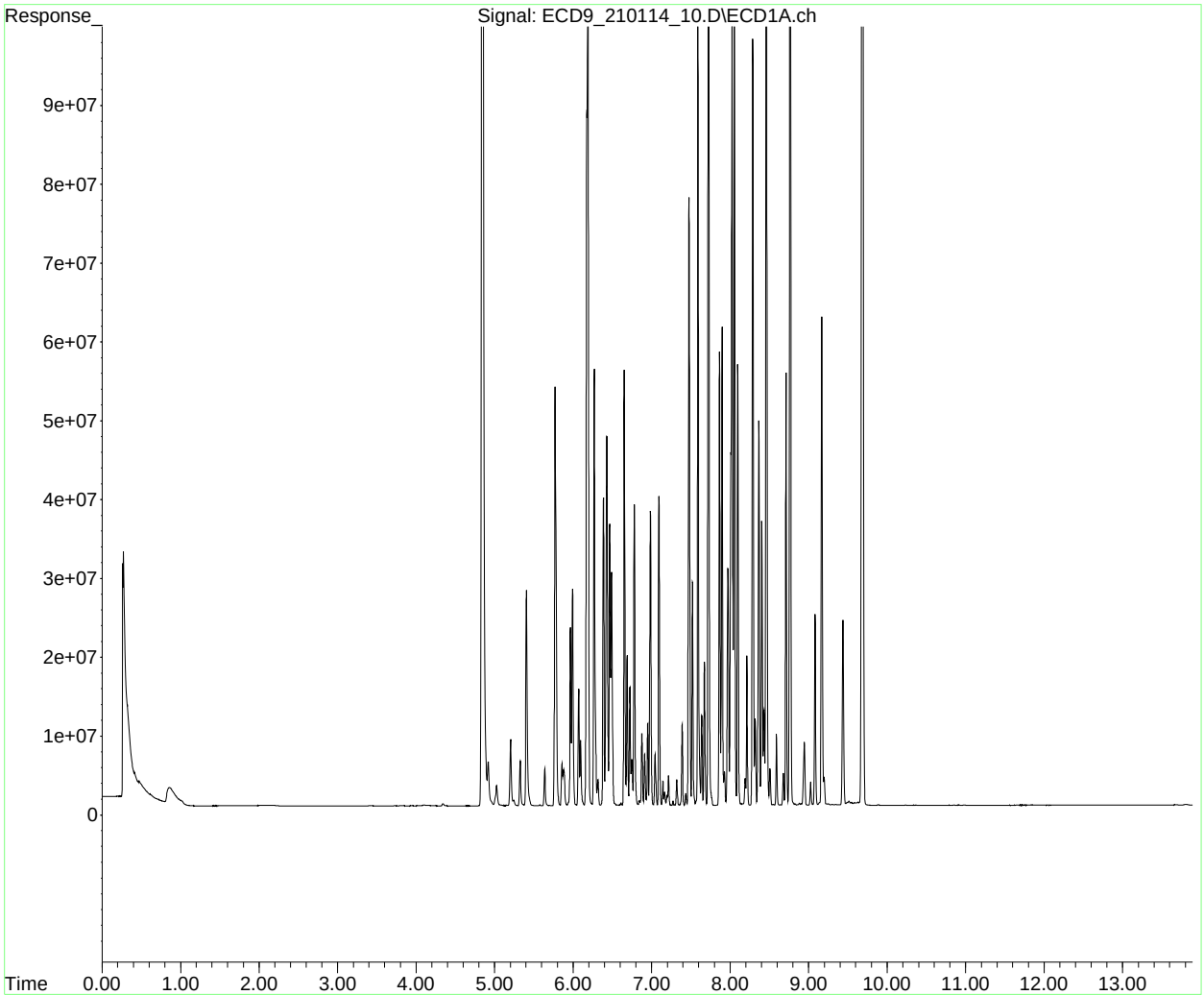
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A14016\
Data File : ECD9_210114_10.D
Signal(s) : ECD1A.ch
Acq On : 14 Jan 2021 08:34
Operator : KAK
Sample : 1012827-BS1
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 14 13:23:04 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A14016\
Data File : ECD9_210114_36.D
Signal(s) : ECD1A.ch
Acq On : 14 Jan 2021 12:26
Operator : KAK
Sample : 1A14016-CCV2
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 14 13:40:25 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	4.843	346159195	219.501	ng/ml
64) S	DCBP (S)	9.683	302643170	234.285	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.770	29229983	440.874	ng/ml
3)	Aroclor 1016 (2)	6.187	55097980	481.413	ng/ml
4)	Aroclor 1016 (3)	6.268	30292464	450.752	ng/ml
5)	Aroclor 1016 (4)	6.429	24734275	437.241	ng/ml
6)	Aroclor 1016 (5)	6.653	29565846	441.120	ng/ml
7)	Aroclor 1016 (6)	6.780	20189742	439.560	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.203	6588984	343.695	ng/ml
10)	Aroclor 1221 (2)	5.326	3149231	247.823	ng/ml
11)	Aroclor 1221 (3)	5.406	15045573	371.180	ng/ml
12)	Aroclor 1221 (4)	5.881	2692579	401.447	ng/ml
13)	Aroclor 1221 (5)	6.187	55097980	7348.720	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	5.406	15045573	435.718	ng/ml
16)	Aroclor 1232 (2)	6.187	55097980	1264.514	ng/ml
17)	Aroclor 1232 (3)	6.268	30292464	1220.137	ng/ml
18)	Aroclor 1232 (4)	6.429	24734275	1458.425	ng/ml
19)	Aroclor 1232 (5)	6.653	29565846	1303.175	ng/ml
20)	Aroclor 1232 (6)	6.780	20189742	1144.096	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	5.770	29229983	649.878	ng/ml
23)	Aroclor 1242 (2)	6.187	55097980	701.663	ng/ml
24)	Aroclor 1242 (3)	6.268	30292464	658.647	ng/ml
25)	Aroclor 1242 (4)	6.429	24734275	710.788	ng/ml

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A14016\
Data File : ECD9_210114_36.D
Signal(s) : ECD1A.ch
Acq On : 14 Jan 2021 12:26
Operator : KAK
Sample : 1A14016-CCV2
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 14 13:40:25 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
26)	Aroclor 1242 (5)	6.653	29565846	660.987	ng/ml
27)	Aroclor 1242 (6)	6.780	20189742	551.033	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.187	55097980	1166.874	ng/ml
30)	Aroclor 1248 (2)	6.429	24734275	389.933	ng/ml
31)	Aroclor 1248 (3)	6.653	29565846	377.846	ng/ml
32)	Aroclor 1248 (4)	6.949	5506736	62.933	ng/ml
33)	Aroclor 1248 (5)	6.984	19631792	216.689	ng/ml
34)	Aroclor 1248 (6)	7.477	40062446	894.470	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	6.984	19631792	224.281	ng/ml
37)	Aroclor 1254 (2)	7.095	20101534	197.759	ng/ml
38)	Aroclor 1254 (3)	7.477	40062446	256.743	ng/ml
39)	Aroclor 1254 (4)	7.637	6089352	59.594	ng/ml
40)	Aroclor 1254 (5)	8.023	54271436	527.164	ng/ml
41)	Aroclor 1254 (6)	8.318	6165537	186.197	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	7.590	53923179	447.934	ng/ml
44)	Aroclor 1260 (2)	7.725	68924513	465.085	ng/ml
45)	Aroclor 1260 (3)	8.289	50739930	456.832	ng/ml
46)	Aroclor 1260 (4)	8.460	119741949	476.159	ng/ml
47)	Aroclor 1260 (5)	8.763	78148660	477.680	ng/ml
48)	Aroclor 1260 (6)	9.166	31432123	467.608	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	7.725	68924513	663.459	ng/ml
51)	Aroclor 1262 (2)	8.053	50503121	342.050	ng/ml
52)	Aroclor 1262 (3)	8.289	50739930	406.760	ng/ml
53)	Aroclor 1262 (4)	8.460	119741949	458.182	ng/ml
54)	Aroclor 1262 (5)	8.763	78148660	495.277	ng/ml
55)	Aroclor 1262 (6)	9.166	31432123	379.535	ng/ml

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A14016\
Data File : ECD9_210114_36.D
Signal(s) : ECD1A.ch
Acq On : 14 Jan 2021 12:26
Operator : KAK
Sample : 1A14016-CCV2
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 14 13:40:25 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	8.289	50739930	751.338	ng/ml
58)	Aroclor 1268 (2)	8.711	27119014	91.380	ng/ml
59)	Aroclor 1268 (3)	8.763	78148660	322.315	ng/ml
60)	Aroclor 1268 (4)	8.943	6734668	29.603	ng/ml
61)	Aroclor 1268 (5)	9.166	31432123	340.545	ng/ml
62)	Aroclor 1268 (6)	9.435	17601273	28.564	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

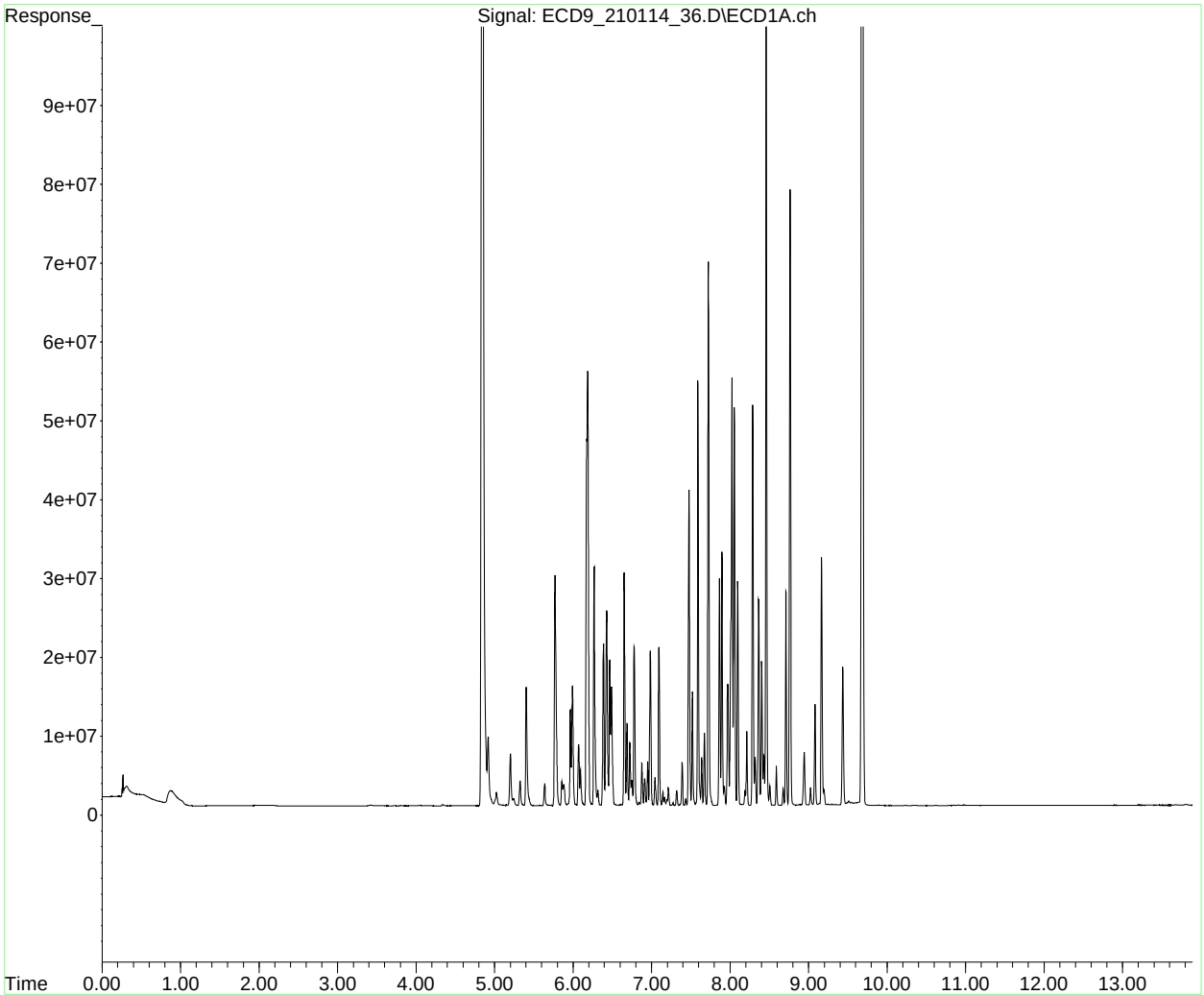
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A14016\
Data File : ECD9_210114_36.D
Signal(s) : ECD1A.ch
Acq On : 14 Jan 2021 12:26
Operator : KAK
Sample : 1A14016-CCV2
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 14 13:40:25 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A14016\
Data File : ECD9_210114_36.D
Signal(s) : ECD1A.ch
Acq On : 14 Jan 2021 12:26
Operator : KAK
Sample : 1A14016-CCV2
Misc :
ALS Vial : 2 Sample Multiplier: 1

KAK 1/14/21

Integration File: PCB1.e
Quant Time: Jan 14 13:40:25 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units	
	System Monitoring Compounds					
1) S	TCMX (S)	4.843	346159195	219.501	ng/ml	
64) S	DCBP (S)	9.683	302643170	234.285	ng/ml	
	Target Compounds					
2)	Aroclor 1016 (1)	5.770	29229983	440.874	ng/ml	
3)	Aroclor 1016 (2)	6.187	55097980	481.413	ng/ml	
4)	Aroclor 1016 (3)	6.268	30292464	450.752	ng/ml	
5)	Aroclor 1016 (4)	6.429	24734275	437.241	ng/ml	✓
6)	Aroclor 1016 (5)	6.653	29565846	441.120	ng/ml	
7)	Aroclor 1016 (6)	6.780	20189742	439.560	ng/ml	
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml	
9)	Aroclor 1221 (1)	5.203	6588984	343.695	ng/ml	
10)	Aroclor 1221 (2)	5.326	3149231	247.823	ng/ml	
11)	Aroclor 1221 (3)	5.406	15045573	371.180	ng/ml	
12)	Aroclor 1221 (4)	5.881	2692579	401.447	ng/ml	
13)	Aroclor 1221 (5)	6.187	55097980	7348.720	ng/ml	
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml	
15)	Aroclor 1232 (1)	5.406	15045573	435.718	ng/ml	
16)	Aroclor 1232 (2)	6.187	55097980	1264.514	ng/ml	
17)	Aroclor 1232 (3)	6.268	30292464	1220.137	ng/ml	
18)	Aroclor 1232 (4)	6.429	24734275	1458.425	ng/ml	
19)	Aroclor 1232 (5)	6.653	29565846	1303.175	ng/ml	
20)	Aroclor 1232 (6)	6.780	20189742	1144.096	ng/ml	
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml	
22)	Aroclor 1242 (1)	5.770	29229983	649.878	ng/ml	
23)	Aroclor 1242 (2)	6.187	55097980	701.663	ng/ml	
24)	Aroclor 1242 (3)	6.268	30292464	658.647	ng/ml	
25)	Aroclor 1242 (4)	6.429	24734275	710.788	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A14016\
Data File : ECD9_210114_36.D
Signal(s) : ECD1A.ch
Acq On : 14 Jan 2021 12:26
Operator : KAK
Sample : 1A14016-CCV2
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 14 13:40:25 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units	
26)	Aroclor 1242 (5)	6.653	29565846	660.987	ng/ml	
27)	Aroclor 1242 (6)	6.780	20189742	551.033	ng/ml	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml	
29)	Aroclor 1248 (1)	6.187	55097980	1166.874	ng/ml	
30)	Aroclor 1248 (2)	6.429	24734275	389.933	ng/ml	
31)	Aroclor 1248 (3)	6.653	29565846	377.846	ng/ml	
32)	Aroclor 1248 (4)	6.949	5506736	62.933	ng/ml	
33)	Aroclor 1248 (5)	6.984	19631792	216.689	ng/ml	
34)	Aroclor 1248 (6)	7.477	40062446	894.470	ng/ml	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml	
36)	Aroclor 1254 (1)	6.984	19631792	224.281	ng/ml	
37)	Aroclor 1254 (2)	7.095	20101534	197.759	ng/ml	
38)	Aroclor 1254 (3)	7.477	40062446	256.743	ng/ml	
39)	Aroclor 1254 (4)	7.637	6089352	59.594	ng/ml	
40)	Aroclor 1254 (5)	8.023	54271436	527.164	ng/ml	
41)	Aroclor 1254 (6)	8.318	6165537	186.197	ng/ml	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml	
43)	Aroclor 1260 (1)	7.590	53923179	447.934	ng/ml	
44)	Aroclor 1260 (2)	7.725	68924513	465.085	ng/ml	
45)	Aroclor 1260 (3)	8.289	50739930	456.832	ng/ml	
46)	Aroclor 1260 (4)	8.460	119741949	476.159	ng/ml	✓
47)	Aroclor 1260 (5)	8.763	78148660	477.680	ng/ml	
48)	Aroclor 1260 (6)	9.166	31432123	467.608	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	7.725	68924513	663.459	ng/ml	
51)	Aroclor 1262 (2)	8.053	50503121	342.050	ng/ml	
52)	Aroclor 1262 (3)	8.289	50739930	406.760	ng/ml	
53)	Aroclor 1262 (4)	8.460	119741949	458.182	ng/ml	
54)	Aroclor 1262 (5)	8.763	78148660	495.277	ng/ml	
55)	Aroclor 1262 (6)	9.166	31432123	379.535	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A14016\
Data File : ECD9_210114_36.D
Signal(s) : ECD1A.ch
Acq On : 14 Jan 2021 12:26
Operator : KAK
Sample : 1A14016-CCV2
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 14 13:40:25 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	8.289	50739930	751.338	ng/ml
58)	Aroclor 1268 (2)	8.711	27119014	91.380	ng/ml
59)	Aroclor 1268 (3)	8.763	78148660	322.315	ng/ml
60)	Aroclor 1268 (4)	8.943	6734668	29.603	ng/ml
61)	Aroclor 1268 (5)	9.166	31432123	340.545	ng/ml
62)	Aroclor 1268 (6)	9.435	17601273	28.564	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

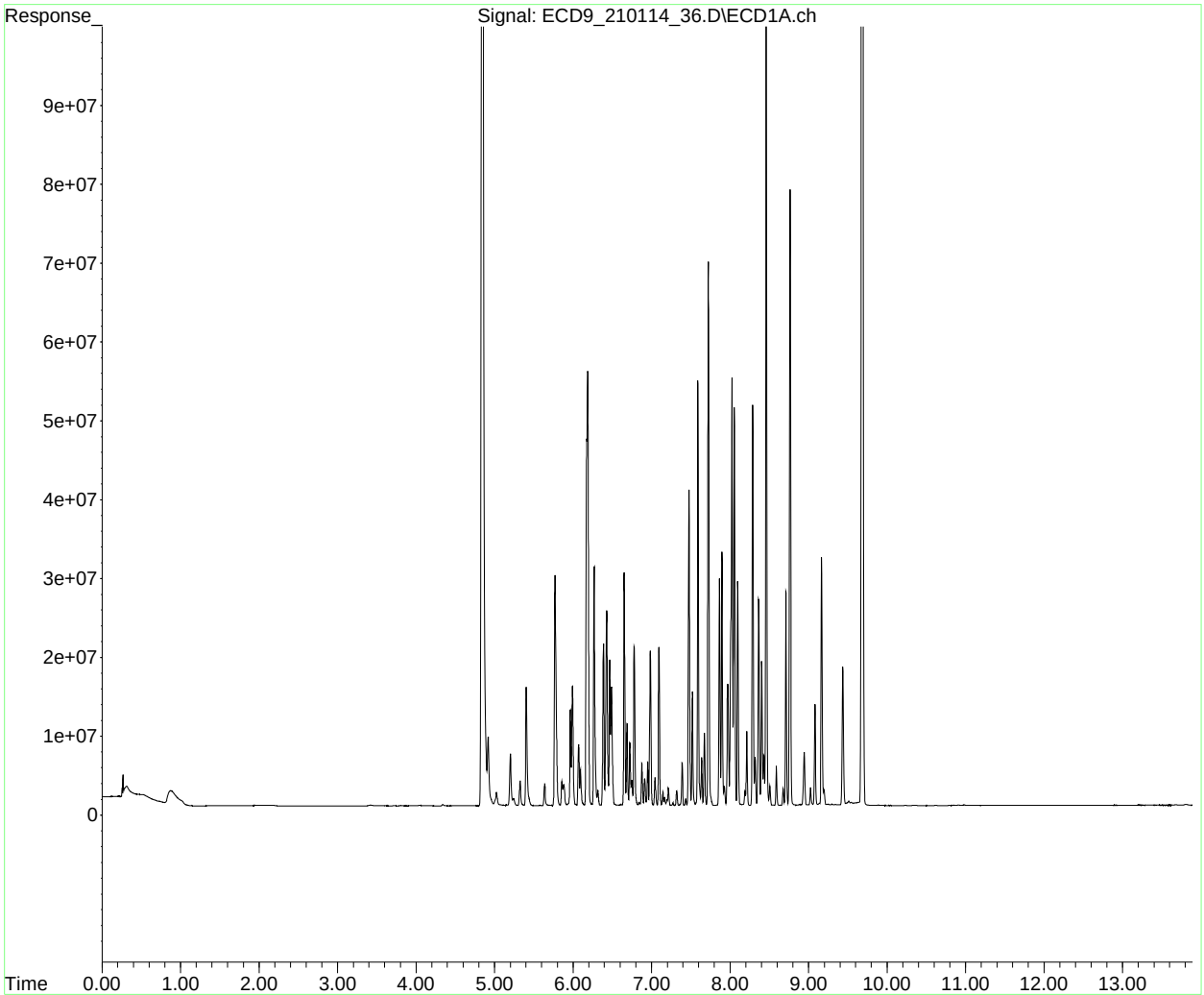
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : W:\1\data\1A14016\
Data File : ECD9_210114_36.D
Signal(s) : ECD1A.ch
Acq On : 14 Jan 2021 12:26
Operator : KAK
Sample : 1A14016-CCV2
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 14 13:40:25 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A14016\
Data File : ECD9_210114_38.D
Signal(s) : ECD1A.ch
Acq On : 14 Jan 2021 12:44
Operator : KAK
Sample : 1A14016-CCB2
Misc :
ALS Vial : 3 Sample Multiplier: 1

KAK 1/14/21

Clean

Integration File: PCB1.e
Quant Time: Jan 14 13:41:16 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	4.843	138776255	87.999	ng/ml
64) S	DCBP (S)	9.682	117339760	90.836	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.761	52783	0.796	ng/ml
3)	Aroclor 1016 (2)	6.189	59087	0.516	ng/ml
4)	Aroclor 1016 (3)	6.273	52031	0.774	ng/ml
5)	Aroclor 1016 (4)	6.412	45292	0.801	ng/ml
6)	Aroclor 1016 (5)	6.655	49508	0.739	ng/ml
7)	Aroclor 1016 (6)	6.782	56650	1.233	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.201	1878326	97.977	ng/ml
10)	Aroclor 1221 (2)	5.325	36265	2.854	ng/ml
11)	Aroclor 1221 (3)	5.406	35048	0.865	ng/ml
12)	Aroclor 1221 (4)	5.879	46681	6.960	ng/ml
13)	Aroclor 1221 (5)	6.189	59087	7.881	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	5.406	35048	1.015	ng/ml
16)	Aroclor 1232 (2)	6.189	59087	1.356	ng/ml
17)	Aroclor 1232 (3)	6.273	52031	2.096	ng/ml
18)	Aroclor 1232 (4)	6.412	45292	2.671	ng/ml
19)	Aroclor 1232 (5)	6.655	49508	2.182	ng/ml
20)	Aroclor 1232 (6)	6.782	56650	3.210	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	5.761	52783	1.174	ng/ml
23)	Aroclor 1242 (2)	6.189	59087	0.752	ng/ml
24)	Aroclor 1242 (3)	6.273	52031	1.131	ng/ml
25)	Aroclor 1242 (4)	6.412	45292	1.302	ng/ml

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A14016\
Data File : ECD9_210114_38.D
Signal(s) : ECD1A.ch
Acq On : 14 Jan 2021 12:44
Operator : KAK
Sample : 1A14016-CCB2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 14 13:41:16 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
26)	Aroclor 1242 (5)	6.655	49508	1.107 ng/ml
27)	Aroclor 1242 (6)	6.782	56650	1.546 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.189	59087	1.251 ng/ml
30)	Aroclor 1248 (2)	6.412	45292	0.714 ng/ml
31)	Aroclor 1248 (3)	6.655	49508	0.633 ng/ml
32)	Aroclor 1248 (4)	6.947	52598	0.601 ng/ml
33)	Aroclor 1248 (5)	6.985	57330	0.633 ng/ml
34)	Aroclor 1248 (6)	7.479	54535	1.218 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	6.985	57330	0.655 ng/ml
37)	Aroclor 1254 (2)	7.098	55850	0.549 ng/ml
38)	Aroclor 1254 (3)	7.479	54535	0.349 ng/ml
39)	Aroclor 1254 (4)	7.633	42771	0.419 ng/ml
40)	Aroclor 1254 (5)	8.033	115721	1.124 ng/ml
41)	Aroclor 1254 (6)	8.314	17032	0.514 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	7.586	53823	0.447 ng/ml
44)	Aroclor 1260 (2)	7.724	45942	0.310 ng/ml
45)	Aroclor 1260 (3)	8.283	43043	0.388 ng/ml
46)	Aroclor 1260 (4)	8.456	190450	0.757 ng/ml
47)	Aroclor 1260 (5)	8.764	61892	0.378 ng/ml
48)	Aroclor 1260 (6)	9.166	47343	0.704 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	7.724	45942	0.442 ng/ml
51)	Aroclor 1262 (2)	8.033	115721	0.784 ng/ml
52)	Aroclor 1262 (3)	8.283	43043	0.345 ng/ml
53)	Aroclor 1262 (4)	8.456	190450	0.729 ng/ml
54)	Aroclor 1262 (5)	8.764	61892	0.392 ng/ml
55)	Aroclor 1262 (6)	9.166	47343	0.572 ng/ml

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A14016\
Data File : ECD9_210114_38.D
Signal(s) : ECD1A.ch
Acq On : 14 Jan 2021 12:44
Operator : KAK
Sample : 1A14016-CCB2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 14 13:41:16 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	8.283	43043	0.637	ng/ml
58)	Aroclor 1268 (2)	8.712	80246	0.270	ng/ml
59)	Aroclor 1268 (3)	8.764	61892	0.255	ng/ml
60)	Aroclor 1268 (4)	8.944	2573557	11.312	ng/ml
61)	Aroclor 1268 (5)	9.166	47343	0.513	ng/ml
62)	Aroclor 1268 (6)	9.435	4719533	7.659	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

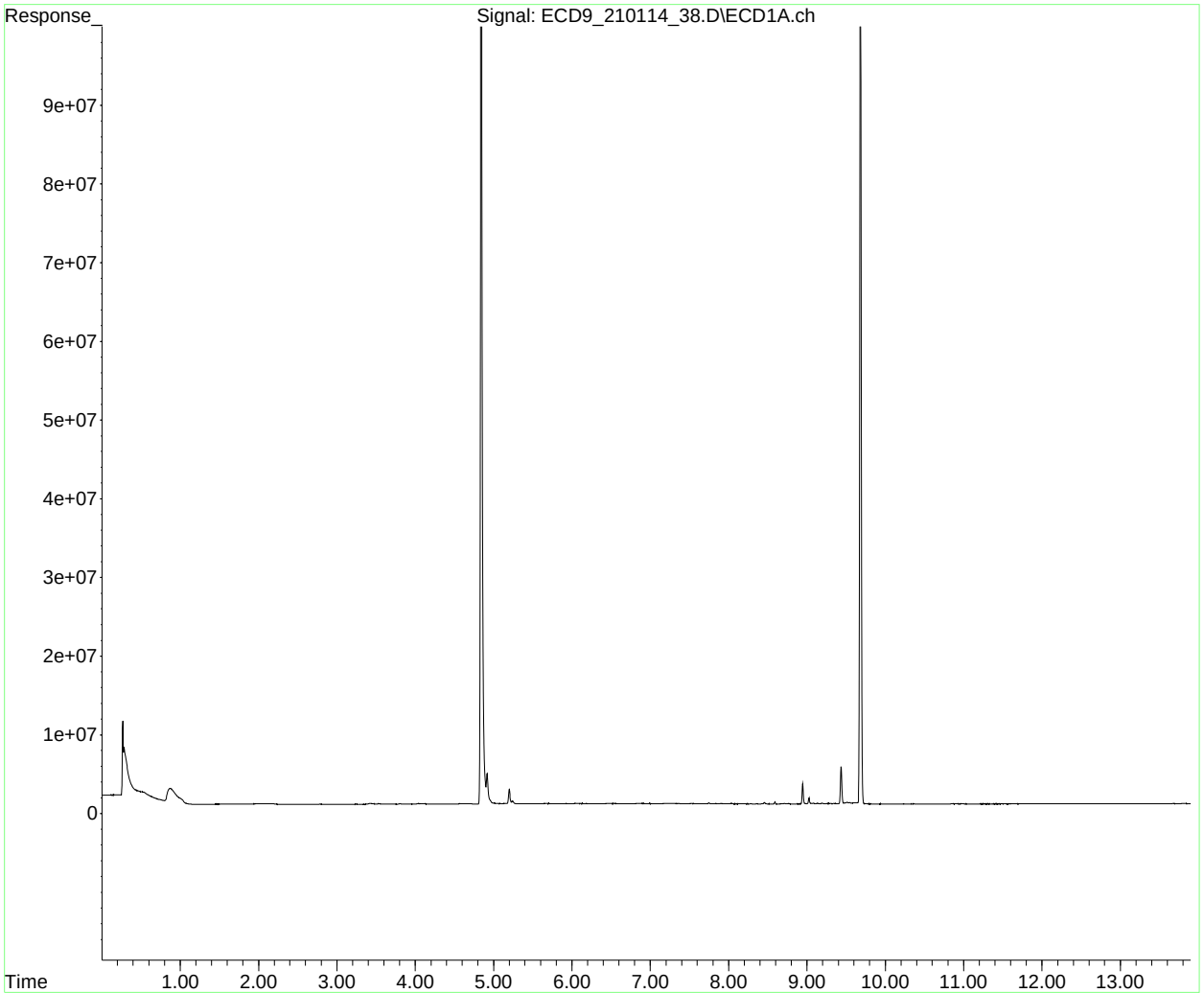
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : W:\1\data\1A14016\
Data File : ECD9_210114_38.D
Signal(s) : ECD1A.ch
Acq On : 14 Jan 2021 12:44
Operator : KAK
Sample : 1A14016-CCB2
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Jan 14 13:41:16 2021
Quant Method : W:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102RT3.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Polychlorinated Biphenyls by EPA 8082A
Calibration Data

Sequence 0I15055 (Cal ID A0I1705) DUALECD9R

ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence:	0I15055	Instrument:	DUALECD9R
Date:	**09/15/20 12:27**	Calibration:	**A0I1705**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0I15055-ICB1	Soil	QC	QC				A20H443
2	0I15055-CAL1	Soil	QC	QC				A20F180
3	0I15055-CAL2	Soil	QC	QC				A20F181
4	0I15055-CAL3	Soil	QC	QC				A20F183
5	0I15055-CAL4	Soil	QC	QC				A20F184
6	0I15055-CAL5	Soil	QC	QC				A20F177
7	0I15055-CAL6	Soil	QC	QC				A20F178
8	0I15055-CAL7	Soil	QC	QC				A20F179
9	0I15055-IBL1	Soil	QC	QC				
10	0I15055-ICV1	Soil	QC	QC				A20H015
11	0I15055-CAL8	Soil	QC	QC				A20H322
12	0I15055-CAL9	Soil	QC	QC				A20H324
13	0I15055-CALA	Soil	QC	QC				A20H326
14	0I15055-CALB	Soil	QC	QC				A20H329
15	0I15055-CALC	Soil	QC	QC				A20H330
16	0I15055-CALD	Soil	QC	QC				A20H331
17	0I15055-CALE	Soil	QC	QC				A20H333
18	0I15055-ICV2	Soil	QC	QC				A20H337
19	0I15055-ICV3	Soil	QC	QC				A20D351
20	0I15055-ICV4	Soil	QC	QC				A20H339
21	0I15055-ICV5	Soil	QC	QC				A20H210

Comments:

Data Entered By/Date: KAK 9/17/2020

Data Reviewed By/Date: MKZ 9/17/2020

Calibration Status Report DUALECD9

Method Path : Z:\1\methods\
Method File : RECD9_QUANTPCB_200915.M
Title : PCB Data Analysis
Last Update : Thu Sep 17 12:03:17 2020
Response Via : Initial Calibration

KAK 9/17/2020

Calibration: A0I1705

#	ID	Conc	ISTD Conc	Path\File
1	1	10	0	Z:\1\data\2020-09\0I15055\ECD9_200915_11.D
2	2	25	0	Z:\1\data\2020-09\0I15055\ECD9_200915_13.D
3	3	50	0	Z:\1\data\2020-09\0I15055\ECD9_200915_15.D
4	4	100	0	Z:\1\data\2020-09\0I15055\ECD9_200915_17.D
5	5	250	0	Z:\1\data\2020-09\0I15055\ECD9_200915_41.D
6	6	500	0	Z:\1\data\2020-09\0I15055\ECD9_200915_21.D
7	7	800	0	Z:\1\data\2020-09\0I15055\ECD9_200915_23.D

#	ID	Update Time	Quant Time	Acquisition Time
1	1	Sep 16 12:17 2020	Sep 16 12:03 2020	15 Sep 2020 02:40 pm
2	2	Sep 16 12:17 2020	Sep 16 12:04 2020	15 Sep 2020 02:58 pm
3	3	Sep 16 12:18 2020	Sep 16 12:05 2020	15 Sep 2020 03:15 pm
4	4	Sep 16 12:18 2020	Sep 16 12:06 2020	15 Sep 2020 03:33 pm
5	5	Sep 17 12:01 2020	Sep 16 12:16 2020	15 Sep 2020 07:08 pm
6	6	Sep 16 12:18 2020	Sep 16 12:08 2020	15 Sep 2020 04:09 pm
7	7	Sep 16 12:18 2020	Sep 16 12:10 2020	15 Sep 2020 04:27 pm

RECD9_QUANTPCB_200915.M Thu Sep 17 12:54:26 2020

Response Factor Report DUALECD9

Method Path : Z:\1\methods\
Method File : RECD9_QUANTPCB_200915.M
Title : PCB Data Analysis
Last Update : Thu Sep 17 12:03:17 2020
Response Via : Initial Calibration

KAK 9/17/2020

Calibration Files
1 =ECD9_200915_11.D 2 =ECD9_200915_13.D 3 =ECD9_200915_15.D
4 =ECD9_200915_17.D 5 =ECD9_200915_41.D 6 =ECD9_200915_21.D

	Compound	1	2	3	4	5	6	Avg	%RSD
1) S	TCMX (S)	1.532	1.587	1.596	1.609	1.615	1.633	1.599 E6	2.09
2)	Aroclor 1016 ...	7.110	6.251	5.784	5.330	5.079	5.164	5.671 E4	13.70
3)	Aroclor 1016 ...	1.028	0.962	0.915	0.880	0.849	0.852	0.908 E5	7.27
4)	Aroclor 1016 ...	5.311	4.725	4.500	4.027	3.959	3.751	4.308 E4	13.08
5)	Aroclor 1016 ...	5.930	5.300	4.766	4.407	4.154	4.118	4.664 E4	15.47
6)	Aroclor 1016 ...	6.382	5.740	5.055	4.780	4.548	4.450	5.072 E4	14.36
7)	Aroclor 1016 (6)	6.125	5.585	4.902	4.737	4.584	4.623	4.987 E4	12.75
8)	Aroclor 1016 ...							0.000	-1.00
9)	Aroclor 1221 (1)					1.100		1.100 E4	0.00
10)	Aroclor 1221 (2)					1.111		1.111 E4	0.00
11)	Aroclor 1221 (3)					3.655		3.655 E4	0.00
12)	Aroclor 1221 ...					7.911		7.911 E3	0.00
13)	Aroclor 1221 (5)					6.014		6.014 E3	0.00
14)	Aroclor 1221 ...							0.000	-1.00
15)	Aroclor 1232 (1)					3.049		3.049 E4	0.00
16)	Aroclor 1232 (2)					2.020		2.020 E4	0.00
17)	Aroclor 1232 (3)					3.355		3.355 E4	0.00
18)	Aroclor 1232 (4)					1.395		1.395 E4	0.00
19)	Aroclor 1232 (5)					1.591		1.591 E4	0.00
20)	Aroclor 1232 (6)					1.625		1.625 E4	0.00
21)	Aroclor 1232 ...							0.000	-1.00
22)	Aroclor 1242 ...					3.752		3.752 E4	0.00
23)	Aroclor 1242 ...					6.016		6.016 E4	0.00
24)	Aroclor 1242 ...					2.905		2.905 E4	0.00
25)	Aroclor 1242 ...					2.852		2.852 E4	0.00
26)	Aroclor 1242 ...					3.303		3.303 E4	0.00
27)	Aroclor 1242 (6)					3.341		3.341 E4	0.00
28)	Aroclor 1242 ...							0.000	-1.00
29)	Aroclor 1248 ...					3.814		3.814 E4	0.00
30)	Aroclor 1248 ...					5.442		5.442 E4	0.00
31)	Aroclor 1248 ...					4.961		4.961 E4	0.00
32)	Aroclor 1248 ...					5.790		5.790 E4	0.00
33)	Aroclor 1248 ...					7.274		7.274 E4	0.00
34)	Aroclor 1248 (6)					5.966		5.966 E4	0.00
35)	Aroclor 1248 ...							0.000	-1.00
36)	Aroclor 1254 ...					7.118		7.118 E4	0.00
37)	Aroclor 1254 ...					1.089		1.089 E5	0.00
38)	Aroclor 1254 ...					1.115		1.115 E5	0.00
39)	Aroclor 1254 ...					8.176		8.176 E4	0.00
40)	Aroclor 1254 ...					8.630		8.630 E4	0.00
41)	Aroclor 1254 (6)					2.414		2.414 E4	0.00
42)	Aroclor 1254 ...							0.000	-1.00

Response Factor Report DUALECD9

Method Path : Z:\1\methods\
Method File : RECD9_QUANTPCB_200915.M
Title : PCB Data Analysis
Last Update : Thu Sep 17 12:03:17 2020
Response Via : Initial Calibration

Calibration Files
1 =ECD9_200915_11.D 2 =ECD9_200915_13.D 3 =ECD9_200915_15.D
4 =ECD9_200915_17.D 5 =ECD9_200915_41.D 6 =ECD9_200915_21.D

		Compound	1	2	3	4	5	6	Avg	%RSD	
43)		Aroclor 1260 ...	1.144	1.015	0.987	0.920	0.890	0.886	0.961 E5	9.93	
44)		Aroclor 1260 ...	1.309	1.234	1.136	1.119	1.084	1.047	1.149 E5	7.97	
45)		Aroclor 1260 (3)	1.270	1.182	1.135	1.082	1.087	1.069	1.131 E5	6.47	✓
46)		Aroclor 1260 (4)	1.734	1.703	1.657	1.617	1.590	1.619	1.643 E5	3.55	
47)		Aroclor 1260 (5)	1.104	1.034	0.970	0.908	0.922	0.913	0.972 E5	7.49	
48)		Aroclor 1260 (6)	4.792	4.335	3.921	3.713	3.530	3.316	3.873 E4	13.54	
49)		Aroclor 1260 ...							0.000	-1.00	
50)		Aroclor 1262 (1)					8.004		8.004 E4	0.00	
51)		Aroclor 1262 (2)					1.139		1.139 E5	0.00	
52)		Aroclor 1262 (3)					8.834		8.834 E4	0.00	
53)		Aroclor 1262 (4)					1.705		1.705 E5	0.00	
54)		Aroclor 1262 (5)					1.053		1.053 E5	0.00	
55)		Aroclor 1262 (6)					4.551		4.551 E4	0.00	
56)		Aroclor 1262 ...							0.000	-1.00	
57)		Aroclor 1268 (1)					4.837		4.837 E4	0.00	
58)		Aroclor 1268 (2)					1.890		1.890 E5	0.00	
59)		Aroclor 1268 (3)					1.511		1.511 E5	0.00	
60)		Aroclor 1268 (4)					1.334		1.334 E5	0.00	
61)		Aroclor 1268 (5)					4.960		4.960 E4	0.00	
62)		Aroclor 1268 (6)					3.428		3.428 E5	0.00	
63)		Aroclor 1268 ...							0.000	-1.00	
64)	S	DCBP (S)	7.256	7.056	6.953	7.150	6.720	7.227	7.100 E5	2.98	✓

(#) = Out of Range ### Number of calibration levels exceeded format ###

Compound List Report DUALECD9

Method Path : Z:\1\methods\
Method File : RECD9_QUANTPCB_200915.M
Title : PCB Data Analysis
Last Update : Thu Sep 17 12:03:17 2020
Response Via : Initial Calibration

KAK 9/17/2020

Total Cpnds : 64

PK#		Compound Name	Exp_RT	Rel_RT	Cal	A/H	ID
1	S	TCMX (S)	5.768	1.000	A	H	L
2		Aroclor 1016 (1)	6.447	1.000	A	H	R
3		Aroclor 1016 (2)	6.940	1.000	A	H	R
4		Aroclor 1016 (3)	7.067	1.000	A	H	R
5		Aroclor 1016 (4)	7.155	1.000	A	H	R
6		Aroclor 1016 (5)	7.200	1.000	A	H	R
7		Aroclor 1016 (6)	7.327	1.000	A	H	R
8		Aroclor 1016 - AVE	1.936	1.000	A	H	R
9		Aroclor 1221 (1)	5.947	1.000	A	H	R
10		Aroclor 1221 (2)	6.020	1.000	A	H	R
11		Aroclor 1221 (3)	6.108	1.000	A	H	R
12		Aroclor 1221 (4)	6.623	1.000	A	H	B
13		Aroclor 1221 (5)	6.939	1.000	A	H	B
14		Aroclor 1221 - AVE	1.936	1.000	A	H	R
15		Aroclor 1232 (1)	6.108	1.000	A	H	R
16		Aroclor 1232 (2)	6.447	1.000	A	H	R
17		Aroclor 1232 (3)	6.939	1.000	A	H	R
18		Aroclor 1232 (4)	7.156	1.000	A	H	R
19		Aroclor 1232 (5)	7.201	1.000	A	H	R
20		Aroclor 1232 (6)	7.327	1.000	A	H	R
21		Aroclor 1232 - AVE	1.936	1.000	A	H	R
22		Aroclor 1242 (1)	6.447	1.000	A	H	R
23		Aroclor 1242 (2)	6.939	1.000	A	H	R
24		Aroclor 1242 (3)	7.067	1.000	A	H	R
25		Aroclor 1242 (4)	7.156	1.000	A	H	R
26		Aroclor 1242 (5)	7.201	1.000	A	H	R
27		Aroclor 1242 (6)	7.327	1.000	A	H	R
28		Aroclor 1242 - AVE	1.936	1.000	A	H	R
29		Aroclor 1248 (1)	6.912	1.000	A	H	R
30		Aroclor 1248 (2)	7.155	1.000	A	H	R
31		Aroclor 1248 (3)	7.200	1.000	A	H	R
32		Aroclor 1248 (4)	7.327	1.000	A	H	R
33		Aroclor 1248 (5)	7.695	1.000	A	H	R
34		Aroclor 1248 (6)	7.854	1.000	A	H	R
35		Aroclor 1248 - AVE	1.936	1.000	A	H	R
36		Aroclor 1254 (1)	7.673	1.000	A	H	R
37		Aroclor 1254 (2)	7.856	1.000	A	H	R
38		Aroclor 1254 (3)	8.169	1.000	A	H	R
39		Aroclor 1254 (4)	8.410	1.000	A	H	R
40		Aroclor 1254 (5)	8.748	1.000	A	H	R
41		Aroclor 1254 (6)	8.981	1.000	A	H	R
42		Aroclor 1254 - AVE	1.936	1.000	A	H	R
43		Aroclor 1260 (1)	8.308	1.000	A	H	R
44		Aroclor 1260 (2)	8.515	1.000	A	H	R
45		Aroclor 1260 (3)	8.750	1.000	A	H	R
46		Aroclor 1260 (4)	9.255	1.000	A	H	R
47		Aroclor 1260 (5)	9.533	1.000	A	H	R
48		Aroclor 1260 (6)	10.143	1.000	A	H	R
49		Aroclor 1260 - AVE	1.936	1.000	A	H	R
50		Aroclor 1262 (1)	8.515	1.000	A	H	R
51		Aroclor 1262 (2)	8.819	1.000	A	H	R
52		Aroclor 1262 (3)	9.001	1.000	A	H	R
53		Aroclor 1262 (4)	9.254	1.000	A	H	R
54		Aroclor 1262 (5)	9.532	1.000	A	H	R
55		Aroclor 1262 (6)	10.141	1.000	A	H	R
56		Aroclor 1262 - AVE	1.936	1.000	A	H	R

57		Aroclor 1268 (1)	9.046	1.000	A	H	R
58		Aroclor 1268 (2)	9.535	1.000	A	H	R
59		Aroclor 1268 (3)	9.604	1.000	A	H	R
60		Aroclor 1268 (4)	9.835	1.000	A	H	R
61		Aroclor 1268 (5)	10.143	1.000	A	H	R
62		Aroclor 1268 (6)	10.524	1.000	A	H	R
63		Aroclor 1268 - AVE	1.935	1.000	A	H	R
64	S	DCBP (S)	10.865	1.000	A	H	R

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

RECD9_QUANTPCB_200915.M Thu Sep 17 12:54:07 2020

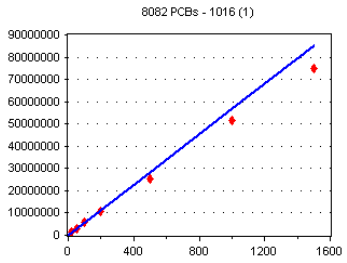
Element Calibration Review Sheet

Calibration ID: **A0I1705** Instrument: **DUALECD9R** Calibration Date: **09/17/2020**

Analysis: **8082 PCBs** Instrument Cal ID: **RECD9_QUANTPCB_20091**

1016 (1)

Curve Fit: **AVERAGE RF**

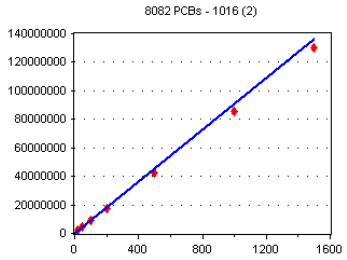


Standard	Concentration	Response	Response Factor	RT
0I15055-CAL1	20	1421961	71098.050	6.45
0I15055-CAL2	50	3125541	62510.820	6.45
0I15055-CAL3	100	5784469	57844.690	6.45
0I15055-CAL4	200	..06598E+07	53299.000	6.45
0I15055-CAL5	500	2.5395E+07	50790.000	6.45
0I15055-CAL6	1000	163523E+07	51635.230	6.45
0I15055-CAL7	1500	471178E+07	49807.850	6.45

AVE RF **56712.230** RF RSD **13.70** AVE RT **6.45**

1016 (2)

Curve Fit: **AVERAGE RF**

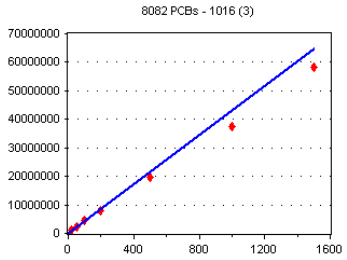


Standard	Concentration	Response	Response Factor	RT
0I15055-CAL1	20	2055115	102755.800	6.94
0I15055-CAL2	50	4809232	96184.640	6.94
0I15055-CAL3	100	9149174	91491.740	6.94
0I15055-CAL4	200	760072E+07	88003.600	6.94
0I15055-CAL5	500	243825E+07	84876.490	6.94
0I15055-CAL6	1000	524832E+07	85248.320	6.94
0I15055-CAL7	1500	303525E+08	86901.660	6.94

AVE RF **90780.320** RF RSD **7.27** AVE RT **6.94**

1016 (3)

Curve Fit: **AVERAGE RF**

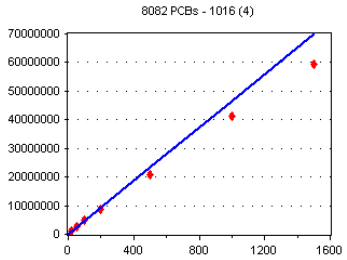


Standard	Concentration	Response	Response Factor	RT
0I15055-CAL1	20	1062102	53105.100	7.07
0I15055-CAL2	50	2362528	47250.560	7.07
0I15055-CAL3	100	4500137	45001.370	7.07
0I15055-CAL4	200	8054750	40273.750	7.07
0I15055-CAL5	500	..97974E+07	39594.800	7.07
0I15055-CAL6	1000	751087E+07	37510.870	7.07
0I15055-CAL7	1500	825274E+07	38835.160	7.07

AVE RF **43081.660** RF RSD **13.08** AVE RT **7.07**

1016 (4)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0I15055-CAL1	20	1186017	59300.850	7.15
0I15055-CAL2	50	2649767	52995.340	7.15
0I15055-CAL3	100	4766402	47664.020	7.15
0I15055-CAL4	200	8813492	44067.460	7.15
0I15055-CAL5	500	077202E+07	41544.040	7.15
0I15055-CAL6	1000	118242E+07	41182.420	7.15
0I15055-CAL7	1500	954596E+07	39697.310	7.15

AVE RF **46635.920** RF RSD **15.47** AVE RT **7.15**

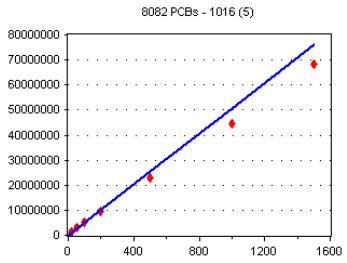
Element Calibration Review Sheet

Calibration ID: **A0I1705** Instrument: **DUALECD9R** Calibration Date: **09/17/2020**

Analysis: **8082 PCBs** Instrument Cal ID: **RECD9_QUANTPCB_20091**

1016 (5)

Curve Fit: **AVERAGE RF**

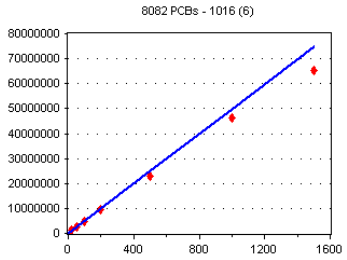


Standard	Concentration	Response	Response Factor	RT
0I15055-CAL1	20	1276460	63823.000	7.20
0I15055-CAL2	50	2870001	57400.020	7.20
0I15055-CAL3	100	5055043	50550.430	7.20
0I15055-CAL4	200	9560771	47803.860	7.20
0I15055-CAL5	500	273858E+07	45477.160	7.20
0I15055-CAL6	1000	449796E+07	44497.960	7.20
0I15055-CAL7	1500	822778E+07	45485.180	7.20

AVE RF **50719.660** RF RSD **14.36** AVE RT **7.20**

1016 (6)

Curve Fit: **AVERAGE RF**

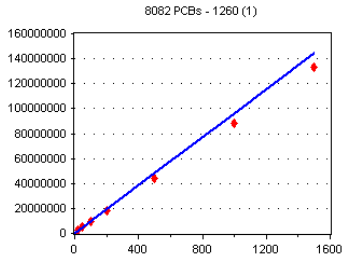


Standard	Concentration	Response	Response Factor	RT
0I15055-CAL1	20	1225054	61252.700	7.33
0I15055-CAL2	50	2792685	55853.700	7.33
0I15055-CAL3	100	4902416	49024.160	7.33
0I15055-CAL4	200	9473446	47367.230	7.33
0I15055-CAL5	500	292116E+07	45842.320	7.33
0I15055-CAL6	1000	623472E+07	46234.720	7.33
0I15055-CAL7	1500	522782E+07	43485.210	7.33

AVE RF **49865.720** RF RSD **12.75** AVE RT **7.33**

1260 (1)

Curve Fit: **AVERAGE RF**

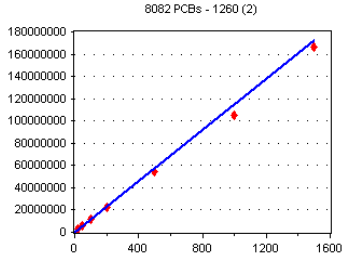


Standard	Concentration	Response	Response Factor	RT
0I15055-CAL1	20	2287238	114361.900	8.31
0I15055-CAL2	50	5074049	101481.000	8.31
0I15055-CAL3	100	9871636	98716.360	8.31
0I15055-CAL4	200	840382E+07	92019.100	8.31
0I15055-CAL5	500	449523E+07	88990.460	8.31
0I15055-CAL6	1000	859757E+07	88597.570	8.31
0I15055-CAL7	1500	331467E+08	88764.470	8.31

AVE RF **96132.980** RF RSD **9.93** AVE RT **8.31**

1260 (2)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0I15055-CAL1	20	2618678	130933.900	8.51
0I15055-CAL2	50	6172285	123445.700	8.51
0I15055-CAL3	100	135995E+07	113599.500	8.51
0I15055-CAL4	200	238497E+07	111924.900	8.51
0I15055-CAL5	500	541882E+07	108376.400	8.51
0I15055-CAL6	1000	046642E+08	104664.200	8.51
0I15055-CAL7	1500	665179E+08	111011.900	8.52

AVE RF **114850.900** RF RSD **7.97** AVE RT **8.51**

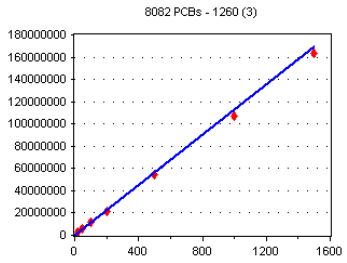
Element Calibration Review Sheet

Calibration ID: **A0I1705** Instrument: **DUALECD9R** Calibration Date: **09/17/2020**

Analysis: **8082 PCBs** Instrument Cal ID: **RECD9_QUANTPCB_20091**

1260 (3)

Curve Fit: **AVERAGE RF**

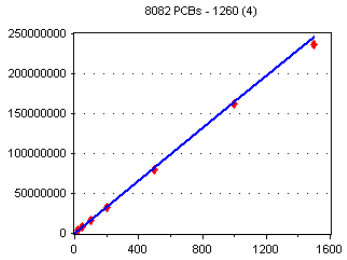


Standard	Concentration	Response	Response Factor	RT
0I15055-CAL1	20	2540989	127049.500	8.75
0I15055-CAL2	50	5911953	118239.100	8.75
0I15055-CAL3	100	134611E+07	113461.100	8.75
0I15055-CAL4	200	163994E+07	108199.700	8.75
0I15055-CAL5	500	436231E+07	108724.600	8.75
0I15055-CAL6	1000	..06885E+08	106885.000	8.75
0I15055-CAL7	1500	631952E+08	108796.800	8.75

AVE RF **113050.800** RF RSD **6.47** AVE RT **8.75**

1260 (4)

Curve Fit: **AVERAGE RF**

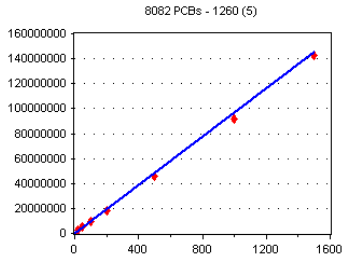


Standard	Concentration	Response	Response Factor	RT
0I15055-CAL1	20	3468598	173429.900	9.25
0I15055-CAL2	50	8514952	170299.000	9.25
0I15055-CAL3	100	657295E+07	165729.500	9.25
0I15055-CAL4	200	233614E+07	161680.700	9.25
0I15055-CAL5	500	950845E+07	159016.900	9.25
0I15055-CAL6	1000	619074E+08	161907.400	9.25
0I15055-CAL7	1500	367612E+08	157840.800	9.25

AVE RF **164272.000** RF RSD **3.55** AVE RT **9.25**

1260 (5)

Curve Fit: **AVERAGE RF**

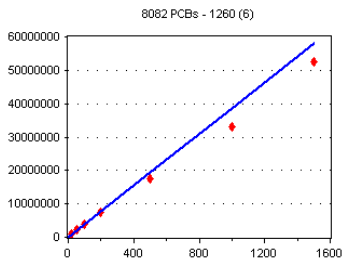


Standard	Concentration	Response	Response Factor	RT
0I15055-CAL1	20	2208139	110407.000	9.53
0I15055-CAL2	50	5167629	103352.600	9.53
0I15055-CAL3	100	9698027	96980.270	9.53
0I15055-CAL4	200	816522E+07	90826.100	9.53
0I15055-CAL5	500	611693E+07	92233.860	9.53
0I15055-CAL6	1000	).12641E+07	91264.090	9.53
0I15055-CAL7	1500	424824E+08	94988.270	9.53

AVE RF **97150.300** RF RSD **7.49** AVE RT **9.53**

1260 (6)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0I15055-CAL1	20	958372	47918.600	10.14
0I15055-CAL2	50	2167449	43348.980	10.14
0I15055-CAL3	100	3920930	39209.300	10.14
0I15055-CAL4	200	7426542	37132.710	10.14
0I15055-CAL5	500	765066E+07	35301.320	10.14
0I15055-CAL6	1000	).31584E+07	33158.400	10.14
0I15055-CAL7	1500	253936E+07	35026.240	10.14

AVE RF **38727.940** RF RSD **13.54** AVE RT **10.14**

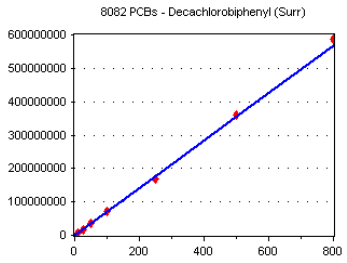
Element Calibration Review Sheet

Calibration ID: **A0I1705** Instrument: **DUALECD9R** Calibration Date: **09/17/2020**

Analysis: **8082 PCBs** Instrument Cal ID: **RECD9_QUANTPCB_20091**

Decachlorobiphenyl (Surr)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0I15055-CAL1	10	7255594	725559.400	10.86
0I15055-CAL2	25	763894E+07	705557.600	10.86
0I15055-CAL3	50	476546E+07	695309.200	10.86
0I15055-CAL4	100	150114E+07	715011.400	10.86
0I15055-CAL5	250	680035E+08	672014.000	10.86
0I15055-CAL6	500	613527E+08	722705.400	10.86
0I15055-CAL7	800	871791E+08	733973.800	10.86

AVE RF **710018.700** RF RSD **2.98** AVE RT **10.86**

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0I15055

Analysis Included

8082 PCBs
8082 PCBs - Low Level (2mL FV)
8082 PCBs - Low Level (2mL FV) +1262/68
8082 PCBs - Low Level (15g/1mL)
8082 PCBs + 1262/1268

INSTRUMENT SEQUENCE LOG

SampleID	SampleName	Matrix	STDID	ISTD_ID	Analyzed	
0I15055-ICB1	Initial Cal Blank	Soil	A20H443		9/15/2020	2:22:00PM
0I15055-CAL1	Cal Standard	Soil	A20F180	"	9/15/2020	2:40:00PM
0I15055-CAL2	Cal Standard	Soil	A20F181	"	9/15/2020	2:58:00PM
0I15055-CAL3	Cal Standard	Soil	A20F183	"	9/15/2020	3:15:00PM
0I15055-CAL4	Cal Standard	Soil	A20F184	"	9/15/2020	3:33:00PM
0I15055-CAL5	Cal Standard	Soil	A20F177	"	9/15/2020	3:51:00PM
0I15055-CAL6	Cal Standard	Soil	A20F178	"	9/15/2020	4:09:00PM
0I15055-CAL7	Cal Standard	Soil	A20F179	"	9/15/2020	4:27:00PM
0I15055-ICV1	Initial Cal Check	Soil	A20H015	"	9/15/2020	5:03:00PM
0I15055-CAL8	Cal Standard	Soil	A20H322	"	9/15/2020	5:21:00PM
0I15055-CAL9	Cal Standard	Soil	A20H324	"	9/15/2020	5:39:00PM
0I15055-CALA	Cal Standard	Soil	A20H326	"	9/15/2020	5:56:00PM
0I15055-CALB	Cal Standard	Soil	A20H329	"	9/15/2020	6:14:00PM
0I15055-CALC	Cal Standard	Soil	A20H330	"	9/15/2020	6:32:00PM
0I15055-CALD	Cal Standard	Soil	A20H331	"	9/15/2020	6:50:00PM
0I15055-CALE	Cal Standard	Soil	A20H333	"	9/15/2020	7:08:00PM
0I15055-ICV2	Initial Cal Check	Soil	A20H337	"	9/15/2020	7:26:00PM
0I15055-ICV3	Initial Cal Check	Soil	A20D351	"	9/15/2020	7:44:00PM
0I15055-ICV4	Initial Cal Check	Soil	A20H339	"	9/15/2020	8:02:00PM
0I15055-ICV5	Initial Cal Check	Soil	A20H210	"	9/15/2020	8:20:00PM

CALIBRATION STANDARD RECOVERIES

Calibration: **A0I1705** Instrument: **DUALECD9R**

8082 PCBs Sequence: **0I15055** Matrix: **Soil**

0I15055-CAL1	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual

0I15055-CAL2	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1016	40.0000	0.00	50	0	
Aroclor 1260	40.0000	0.00	50	0	
Aroclor 1016	40.0000	0.00	50	0	
Aroclor 1260	40.0000	0.00	50	0	

0I15055-CAL3	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1016	40.0000	0.00	100	0	
Aroclor 1260	40.0000	0.00	100	0	
Aroclor 1016	100.0000	0.00	100	0	
Aroclor 1260	100.0000	0.00	100	0	
Aroclor 1016	100.0000	0.00	100	0	

Aroclor 1260	100.0000	0.00	100	0
Aroclor 1016	40.0000	0.00	100	0
Aroclor 1260	40.0000	0.00	100	0

0I15055-CAL4	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1016	40.0000	0.00	200	0	
Aroclor 1260	40.0000	0.00	200	0	
Aroclor 1016	100.0000	0.00	200	0	
Aroclor 1260	100.0000	0.00	200	0	
Aroclor 1016	100.0000	0.00	200	0	
Aroclor 1260	100.0000	0.00	200	0	
Aroclor 1016	40.0000	0.00	200	0	
Aroclor 1260	40.0000	0.00	200	0	

0I15055-CAL5	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1016	40.0000	0.00	500	0	
Aroclor 1260	40.0000	0.00	500	0	
Aroclor 1016	100.0000	0.00	500	0	
Aroclor 1260	100.0000	0.00	500	0	
Aroclor 1016	100.0000	0.00	500	0	
Aroclor 1260	100.0000	0.00	500	0	
Aroclor 1016	300.0000	0.00	500	0	
Aroclor 1260	300.0000	0.00	500	0	
Aroclor 1016	40.0000	0.00	500	0	
Aroclor 1260	40.0000	0.00	500	0	

0I15055-CAL6	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1016	40.0000	0.00	1000	0	
Aroclor 1260	40.0000	0.00	1000	0	
Aroclor 1016	100.0000	0.00	1000	0	
Aroclor 1260	100.0000	0.00	1000	0	
Aroclor 1016	100.0000	0.00	1000	0	
Aroclor 1260	100.0000	0.00	1000	0	
Aroclor 1016	300.0000	0.00	1000	0	
Aroclor 1260	300.0000	0.00	1000	0	
Aroclor 1016	40.0000	0.00	1000	0	
Aroclor 1260	40.0000	0.00	1000	0	

0I15055-CAL7	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1016	40.0000	0.00	1500	0	
Aroclor 1260	40.0000	0.00	1500	0	
Aroclor 1016	100.0000	0.00	1500	0	
Aroclor 1260	100.0000	0.00	1500	0	
Aroclor 1016	100.0000	0.00	1500	0	
Aroclor 1260	100.0000	0.00	1500	0	
Aroclor 1016	300.0000	0.00	1500	0	
Aroclor 1260	300.0000	0.00	1500	0	
Aroclor 1016	40.0000	0.00	1500	0	
Aroclor 1260	40.0000	0.00	1500	0	

0I15055-CAL8	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1221 (1)	40.0000	0.00	500	0	
1221 (2)	40.0000	0.00	500	0	
1221 (3)	40.0000	0.00	500	0	
1221 (4)	40.0000	0.00	500	0	
1221 (5)	40.0000	0.00	500	0	
Aroclor 1221	40.0000	0.00	500	0	

1221 (1)	100.0000	0.00	500	0
1221 (2)	100.0000	0.00	500	0
1221 (3)	100.0000	0.00	500	0
1221 (4)	100.0000	0.00	500	0
1221 (5)	100.0000	0.00	500	0
Aroclor 1221	100.0000	0.00	500	0
1221 (1)	100.0000	0.00	500	0
1221 (2)	100.0000	0.00	500	0
1221 (3)	100.0000	0.00	500	0
1221 (4)	100.0000	0.00	500	0
1221 (5)	100.0000	0.00	500	0
Aroclor 1221	100.0000	0.00	500	0
1221 (1)	300.0000	0.00	500	0
1221 (2)	300.0000	0.00	500	0
1221 (3)	300.0000	0.00	500	0
1221 (4)	300.0000	0.00	500	0
1221 (5)	300.0000	0.00	500	0
Aroclor 1221	300.0000	0.00	500	0
1221 (1)	40.0000	0.00	500	0
1221 (2)	40.0000	0.00	500	0
1221 (3)	40.0000	0.00	500	0
1221 (4)	40.0000	0.00	500	0
1221 (5)	40.0000	0.00	500	0
Aroclor 1221	40.0000	0.00	500	0

0I15055-CAL9	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1232 (1)	40.0000	0.00	500	0	
1232 (2)	40.0000	0.00	500	0	
1232 (3)	40.0000	0.00	500	0	
1232 (4)	40.0000	0.00	500	0	
1232 (5)	40.0000	0.00	500	0	
1232 (6)	40.0000	0.00	500	0	
Aroclor 1232	40.0000	0.00	500	0	
1232 (1)	100.0000	0.00	500	0	
1232 (2)	100.0000	0.00	500	0	
1232 (3)	100.0000	0.00	500	0	
1232 (4)	100.0000	0.00	500	0	
1232 (5)	100.0000	0.00	500	0	
1232 (6)	100.0000	0.00	500	0	
Aroclor 1232	100.0000	0.00	500	0	
1232 (1)	100.0000	0.00	500	0	
1232 (2)	100.0000	0.00	500	0	
1232 (3)	100.0000	0.00	500	0	
1232 (4)	100.0000	0.00	500	0	
1232 (5)	100.0000	0.00	500	0	
1232 (6)	100.0000	0.00	500	0	
Aroclor 1232	100.0000	0.00	500	0	
1232 (1)	300.0000	0.00	500	0	
1232 (2)	300.0000	0.00	500	0	
1232 (3)	300.0000	0.00	500	0	
1232 (4)	300.0000	0.00	500	0	
1232 (5)	300.0000	0.00	500	0	
1232 (6)	300.0000	0.00	500	0	
Aroclor 1232	300.0000	0.00	500	0	
1232 (1)	40.0000	0.00	500	0	
1232 (2)	40.0000	0.00	500	0	

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0I15055

1232 (3)	40.0000	0.00	500	0	
1232 (4)	40.0000	0.00	500	0	
1232 (5)	40.0000	0.00	500	0	
1232 (6)	40.0000	0.00	500	0	
Aroclor 1232	40.0000	0.00	500	0	
0I15055-CALA	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1242 (1)	40.0000	0.00	500	0	
1242 (2)	40.0000	0.00	500	0	
1242 (3)	40.0000	0.00	500	0	
1242 (4)	40.0000	0.00	500	0	
1242 (5)	40.0000	0.00	500	0	
1242 (6)	40.0000	0.00	500	0	
Aroclor 1242	40.0000	0.00	500	0	
1242 (1)	100.0000	0.00	500	0	
1242 (2)	100.0000	0.00	500	0	
1242 (3)	100.0000	0.00	500	0	
1242 (4)	100.0000	0.00	500	0	
1242 (5)	100.0000	0.00	500	0	
1242 (6)	100.0000	0.00	500	0	
Aroclor 1242	100.0000	0.00	500	0	
1242 (1)	100.0000	0.00	500	0	
1242 (2)	100.0000	0.00	500	0	
1242 (3)	100.0000	0.00	500	0	
1242 (4)	100.0000	0.00	500	0	
1242 (5)	100.0000	0.00	500	0	
1242 (6)	100.0000	0.00	500	0	
Aroclor 1242	100.0000	0.00	500	0	
1242 (1)	300.0000	0.00	500	0	
1242 (2)	300.0000	0.00	500	0	
1242 (3)	300.0000	0.00	500	0	
1242 (4)	300.0000	0.00	500	0	
1242 (5)	300.0000	0.00	500	0	
1242 (6)	300.0000	0.00	500	0	
Aroclor 1242	300.0000	0.00	500	0	
1242 (1)	40.0000	0.00	500	0	
1242 (2)	40.0000	0.00	500	0	
1242 (3)	40.0000	0.00	500	0	
1242 (4)	40.0000	0.00	500	0	
1242 (5)	40.0000	0.00	500	0	
1242 (6)	40.0000	0.00	500	0	
Aroclor 1242	40.0000	0.00	500	0	
0I15055-CALB	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1248 (1)	40.0000	0.00	500	0	
1248 (2)	40.0000	0.00	500	0	
1248 (3)	40.0000	0.00	500	0	
1248 (4)	40.0000	0.00	500	0	
1248 (5)	40.0000	0.00	500	0	
1248 (6)	40.0000	0.00	500	0	
Aroclor 1248	40.0000	0.00	500	0	
1248 (1)	100.0000	0.00	500	0	
1248 (2)	100.0000	0.00	500	0	
1248 (3)	100.0000	0.00	500	0	
1248 (4)	100.0000	0.00	500	0	
1248 (5)	100.0000	0.00	500	0	

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0I15055

1248 (6)	100.0000	0.00	500	0
Aroclor 1248	100.0000	0.00	500	0
1248 (1)	100.0000	0.00	500	0
1248 (2)	100.0000	0.00	500	0
1248 (3)	100.0000	0.00	500	0
1248 (4)	100.0000	0.00	500	0
1248 (5)	100.0000	0.00	500	0
1248 (6)	100.0000	0.00	500	0
Aroclor 1248	100.0000	0.00	500	0
1248 (1)	300.0000	0.00	500	0
1248 (2)	300.0000	0.00	500	0
1248 (3)	300.0000	0.00	500	0
1248 (4)	300.0000	0.00	500	0
1248 (5)	300.0000	0.00	500	0
1248 (6)	300.0000	0.00	500	0
Aroclor 1248	300.0000	0.00	500	0
1248 (1)	40.0000	0.00	500	0
1248 (2)	40.0000	0.00	500	0
1248 (3)	40.0000	0.00	500	0
1248 (4)	40.0000	0.00	500	0
1248 (5)	40.0000	0.00	500	0
1248 (6)	40.0000	0.00	500	0
Aroclor 1248	40.0000	0.00	500	0

0I15055-CALC	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1254 (1)	40.0000	0.00	500	0	
1254 (2)	40.0000	0.00	500	0	
1254 (3)	40.0000	0.00	500	0	
1254 (4)	40.0000	0.00	500	0	
1254 (5)	40.0000	0.00	500	0	
1254 (6)	40.0000	0.00	500	0	
Aroclor 1254	40.0000	0.00	500	0	
1254 (1)	100.0000	0.00	500	0	
1254 (2)	100.0000	0.00	500	0	
1254 (3)	100.0000	0.00	500	0	
1254 (4)	100.0000	0.00	500	0	
1254 (5)	100.0000	0.00	500	0	
1254 (6)	100.0000	0.00	500	0	
Aroclor 1254	100.0000	0.00	500	0	
1254 (1)	100.0000	0.00	500	0	
1254 (2)	100.0000	0.00	500	0	
1254 (3)	100.0000	0.00	500	0	
1254 (4)	100.0000	0.00	500	0	
1254 (5)	100.0000	0.00	500	0	
1254 (6)	100.0000	0.00	500	0	
Aroclor 1254	100.0000	0.00	500	0	
1254 (1)	300.0000	0.00	500	0	
1254 (2)	300.0000	0.00	500	0	
1254 (3)	300.0000	0.00	500	0	
1254 (4)	300.0000	0.00	500	0	
1254 (5)	300.0000	0.00	500	0	
1254 (6)	300.0000	0.00	500	0	
Aroclor 1254	300.0000	0.00	500	0	
1254 (1)	40.0000	0.00	500	0	
1254 (2)	40.0000	0.00	500	0	
1254 (3)	40.0000	0.00	500	0	

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0I15055

1254 (4)	40.0000	0.00	500	0
1254 (5)	40.0000	0.00	500	0
1254 (6)	40.0000	0.00	500	0
Aroclor 1254	40.0000	0.00	500	0

0I15055-CALD	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1262 (1)	40.0000	0.00	500	0	
1262 (2)	40.0000	0.00	500	0	
1262 (3)	40.0000	0.00	500	0	
1262 (4)	40.0000	0.00	500	0	
1262 (5)	40.0000	0.00	500	0	
1262 (6)	40.0000	0.00	500	0	
1262 (1)	100.0000	0.00	500	0	
1262 (2)	100.0000	0.00	500	0	
1262 (3)	100.0000	0.00	500	0	
1262 (4)	100.0000	0.00	500	0	
1262 (5)	100.0000	0.00	500	0	
1262 (6)	100.0000	0.00	500	0	
1262 (1)	100.0000	0.00	500	0	
1262 (2)	100.0000	0.00	500	0	
1262 (3)	100.0000	0.00	500	0	
1262 (4)	100.0000	0.00	500	0	
1262 (5)	100.0000	0.00	500	0	
1262 (6)	100.0000	0.00	500	0	
1262 (1)	300.0000	0.00	500	0	
1262 (2)	300.0000	0.00	500	0	
1262 (3)	300.0000	0.00	500	0	
1262 (4)	300.0000	0.00	500	0	
1262 (5)	300.0000	0.00	500	0	
1262 (6)	300.0000	0.00	500	0	
1262 (1)	40.0000	0.00	500	0	
1262 (2)	40.0000	0.00	500	0	
1262 (3)	40.0000	0.00	500	0	
1262 (4)	40.0000	0.00	500	0	
1262 (5)	40.0000	0.00	500	0	
1262 (6)	40.0000	0.00	500	0	

0I15055-CALE	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1268 (1)	40.0000	0.00	500	0	
1268 (2)	40.0000	0.00	500	0	
1268 (3)	40.0000	0.00	500	0	
1268 (4)	40.0000	0.00	500	0	
1268 (5)	40.0000	0.00	500	0	
1268 (6)	40.0000	0.00	500	0	
Aroclor 1268	40.0000	0.00	500	0	
1268 (1)	100.0000	0.00	500	0	
1268 (2)	100.0000	0.00	500	0	
1268 (3)	100.0000	0.00	500	0	
1268 (4)	100.0000	0.00	500	0	
1268 (5)	100.0000	0.00	500	0	
1268 (6)	100.0000	0.00	500	0	
Aroclor 1268	100.0000	0.00	500	0	
1268 (1)	100.0000	0.00	500	0	
1268 (2)	100.0000	0.00	500	0	
1268 (3)	100.0000	0.00	500	0	
1268 (4)	100.0000	0.00	500	0	

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0I15055

1268 (5)	100.0000	0.00	500	0
1268 (6)	100.0000	0.00	500	0
Aroclor 1268	100.0000	0.00	500	0
1268 (1)	300.0000	0.00	500	0
1268 (2)	300.0000	0.00	500	0
1268 (3)	300.0000	0.00	500	0
1268 (4)	300.0000	0.00	500	0
1268 (5)	300.0000	0.00	500	0
1268 (6)	300.0000	0.00	500	0
Aroclor 1268	300.0000	0.00	500	0
1268 (1)	40.0000	0.00	500	0
1268 (2)	40.0000	0.00	500	0
1268 (3)	40.0000	0.00	500	0
1268 (4)	40.0000	0.00	500	0
1268 (5)	40.0000	0.00	500	0
1268 (6)	40.0000	0.00	500	0
Aroclor 1268	40.0000	0.00	500	0

Compounds listed above have recalculated recoveries outside 70-130% of the true values, and the calibration levels are above the reporting level. If no compounds are listed, all are OK. Please see the next section for quadatic fit compounds.

Analytes With Quadratic Curve Fits

Qualifier	iMDL	iMRL	Spike Amt	%Difference	OK?	Raise MRL to ?
					☐	☐

Analytes listed above have quadratic curve fits. If they are using a weighting otpion, they must be checked against the requanted curve points to determine if the recalculated results are within limits (70-130 or as specified).

ICV RECOVERIES

Calibration: **A0I1705** Instrument: **DUALECD9R**

8082 PCBs - Low Level (2mL Sequence: **0I15055** Matrix: **Soil**

0I15055-ICV1	Inst. MRL	ICV Level	Result	%Rec.	Qual
1260 (6)	20	500	**332.11**	66	
1260 (6)	20	500	**332.11**	66	
1260 (6)	20	500	**332.11**	66	
1260 (6)	20	500	**332.11**	66	
1260 (6)	20	500	**332.11**	66	

Compounds listed above have Initial Calibration Verification standard recoveries outside 70-130% of the true values. If no compounds are listed, all have passing recoveries.

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_09.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 02:22 pm
Operator :
Sample : 0I15055-ICB1
Misc : 1x
ALS Vial : 5 Sample Multiplier: 1

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Integration File: events.e
Quant Time: Sep 17 12:23:34 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	5.765	155603636	97.312	ng/ml
64)	S DCBP (S)	10.871	62094851	87.455	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.441	29623	0.522	ng/ml
3)	Aroclor 1016 (2)	6.940	85576	0.943	ng/ml
4)	Aroclor 1016 (3)	7.064	74284	1.724	ng/ml
5)	Aroclor 1016 (4)	7.158	55119	1.182	ng/ml
6)	Aroclor 1016 (5)	7.198	31735	0.626	ng/ml
7)	Aroclor 1016 (6)	7.326	37988	0.762	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.954	21147	1.922	ng/ml
10)	Aroclor 1221 (2)	6.015	16988	1.530	ng/ml
11)	Aroclor 1221 (3)	6.076	2972154	81.319	ng/ml
12)	Aroclor 1221 (4)	6.631	28686	3.626	ng/ml
13)	Aroclor 1221 (5)	6.940	85576	14.229	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	6.076	2972154	97.471	ng/ml
16)	Aroclor 1232 (2)	6.441	29623	1.466	ng/ml
17)	Aroclor 1232 (3)	6.940	85576	2.551	ng/ml
18)	Aroclor 1232 (4)	7.158	55119	3.952	ng/ml
19)	Aroclor 1232 (5)	7.203	33276	2.092	ng/ml
20)	Aroclor 1232 (6)	7.326	37988	2.337	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.441	29623	0.790	ng/ml
23)	Aroclor 1242 (2)	6.940	85576	1.422	ng/ml
24)	Aroclor 1242 (3)	7.064	74284	2.558	ng/ml
25)	Aroclor 1242 (4)	7.158	55119	1.933	ng/ml
26)	Aroclor 1242 (5)	7.203	33276	1.008	ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_09.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 02:22 pm
Operator :
Sample : 0I15055-ICB1
Misc : 1x
ALS Vial : 5 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 17 12:23:34 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	7.326	37988	1.137	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.920	105869	2.776	ng/ml
30)	Aroclor 1248 (2)	7.158	55119	1.013	ng/ml
31)	Aroclor 1248 (3)	7.198	31735	0.640	ng/ml
32)	Aroclor 1248 (4)	7.326	37988	0.656	ng/ml
33)	Aroclor 1248 (5)	7.656f	1692240	23.264	ng/ml
34)	Aroclor 1248 (6)	7.856	43927	0.736	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.656	1692240	23.775	ng/ml
37)	Aroclor 1254 (2)	7.856	43927	0.403	ng/ml
38)	Aroclor 1254 (3)	8.175	24001	0.215	ng/ml
39)	Aroclor 1254 (4)	8.406	428052	5.235	ng/ml
40)	Aroclor 1254 (5)	8.758	37067	0.430	ng/ml
41)	Aroclor 1254 (6)	9.006	325432	13.483	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.304	24485	0.255	ng/ml
44)	Aroclor 1260 (2)	8.504	28741	0.250	ng/ml
45)	Aroclor 1260 (3)	8.758	37067	0.328	ng/ml
46)	Aroclor 1260 (4)	9.256	40217	0.245	ng/ml
47)	Aroclor 1260 (5)	9.535	43394	0.447	ng/ml
48)	Aroclor 1260 (6)	10.143	37517	0.969	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	8.504	28741	0.359	ng/ml
51)	Aroclor 1262 (2)	8.826	48202	0.423	ng/ml
52)	Aroclor 1262 (3)	9.006	325432	3.684	ng/ml
53)	Aroclor 1262 (4)	9.256	40217	0.236	ng/ml
54)	Aroclor 1262 (5)	9.535	43394	0.412	ng/ml
55)	Aroclor 1262 (6)	10.143	37517	0.824	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	9.048	68208	1.410	ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_09.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 02:22 pm
Operator :
Sample : 0I15055-ICB1
Misc : 1x
ALS Vial : 5 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 17 12:23:34 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	9.535	43394	0.230	ng/ml
59)	Aroclor 1268 (3)	9.603	31544	0.209	ng/ml
60)	Aroclor 1268 (4)	9.840	1407317	10.553	ng/ml
61)	Aroclor 1268 (5)	10.143	37517	0.756	ng/ml
62)	Aroclor 1268 (6)	10.528	2529079	7.378	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

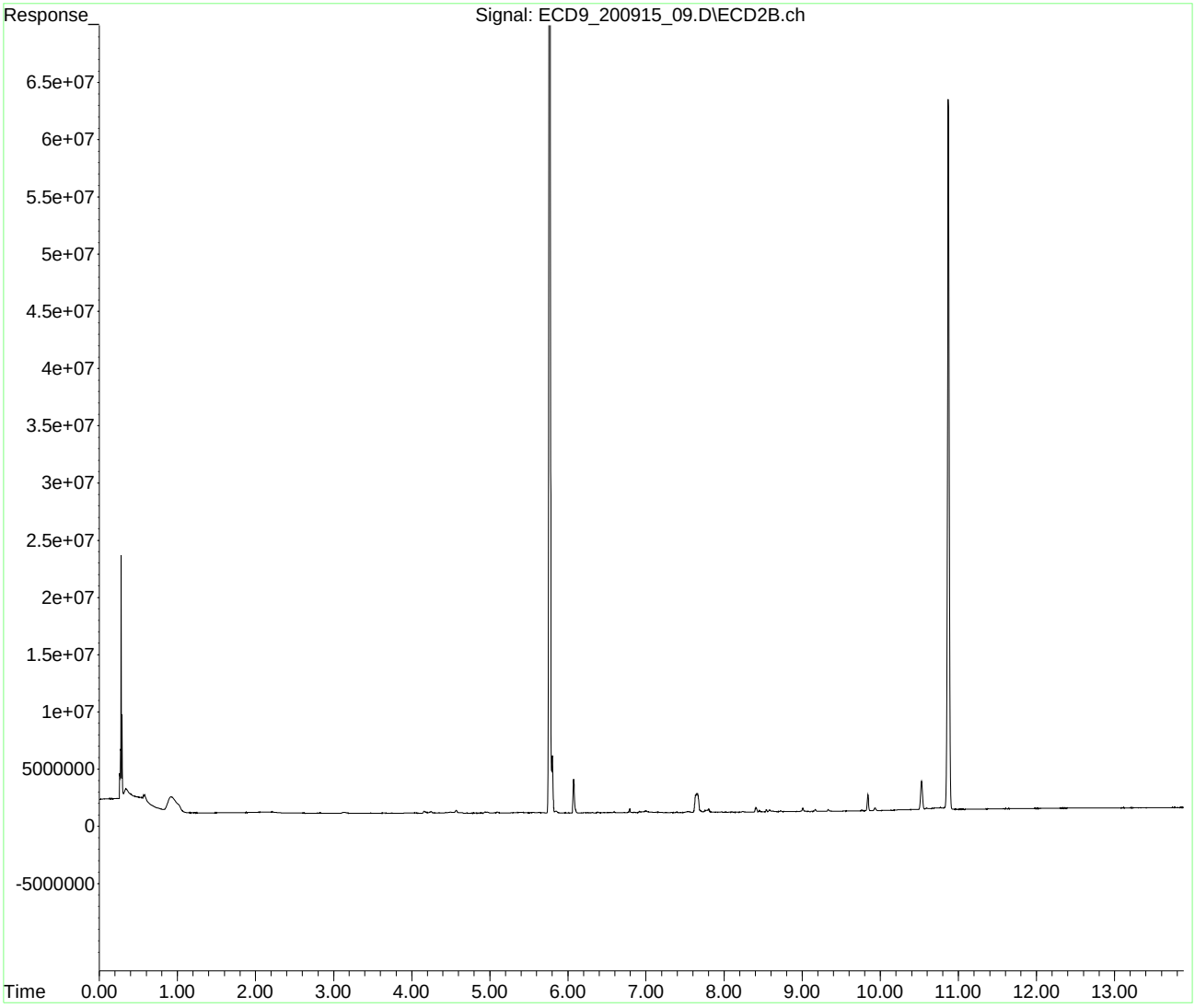
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_09.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 02:22 pm
Operator :
Sample : 0I15055-ICB1
Misc : 1x
ALS Vial : 5 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 17 12:23:34 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_25.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 04:45 pm
Operator :
Sample : 0I15055-IBL1
Misc : 1x
ALS Vial : 1 Sample Multiplier: 1

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Integration File: events.e
Quant Time: Sep 17 12:23:40 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	5.841f	198120	0.124	ng/ml
64) S	DCBP (S)	10.867	29749	0.042	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.433	26723	0.471	ng/ml
3)	Aroclor 1016 (2)	6.940	33378	0.368	ng/ml
4)	Aroclor 1016 (3)	7.075	45591	1.058	ng/ml
5)	Aroclor 1016 (4)	7.158	36657	0.786	ng/ml
6)	Aroclor 1016 (5)	7.200	18434	0.363	ng/ml
7)	Aroclor 1016 (6)	7.326	23029	0.462	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.954	38198	3.472	ng/ml
10)	Aroclor 1221 (2)	6.018	24772	2.231	ng/ml
11)	Aroclor 1221 (3)	6.122	13690	0.375	ng/ml
12)	Aroclor 1221 (4)	6.624	12137	1.534	ng/ml
13)	Aroclor 1221 (5)	6.940	33378	5.550	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	6.122	13690	0.449	ng/ml
16)	Aroclor 1232 (2)	6.433	26723	1.323	ng/ml
17)	Aroclor 1232 (3)	6.940	33378	0.995	ng/ml
18)	Aroclor 1232 (4)	7.158	36657	2.628	ng/ml
19)	Aroclor 1232 (5)	7.200	18434	1.159	ng/ml
20)	Aroclor 1232 (6)	7.326	23029	1.417	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.433	26723	0.712	ng/ml
23)	Aroclor 1242 (2)	6.940	33378	0.555	ng/ml
24)	Aroclor 1242 (3)	7.075	45591	1.570	ng/ml
25)	Aroclor 1242 (4)	7.158	36657	1.286	ng/ml
26)	Aroclor 1242 (5)	7.200	18434	0.558	ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_25.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 04:45 pm
Operator :
Sample : 0I15055-IBL1
Misc : 1x
ALS Vial : 1 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 17 12:23:40 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	7.326	23029	0.689	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.917	83357	2.186	ng/ml
30)	Aroclor 1248 (2)	7.158	36657	0.674	ng/ml
31)	Aroclor 1248 (3)	7.200	18434	0.372	ng/ml
32)	Aroclor 1248 (4)	7.326	23029	0.398	ng/ml
33)	Aroclor 1248 (5)	7.668	1303559	17.920	ng/ml
34)	Aroclor 1248 (6)	7.866	30402	0.510	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.668	1303559	18.314	ng/ml
37)	Aroclor 1254 (2)	7.866	30402	0.279	ng/ml
38)	Aroclor 1254 (3)	8.173	16102	0.144	ng/ml
39)	Aroclor 1254 (4)	8.416	182698	2.234	ng/ml
40)	Aroclor 1254 (5)	8.748	18291	0.212	ng/ml
41)	Aroclor 1254 (6)	9.000	463729	19.213	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.304	15448	0.161	ng/ml
44)	Aroclor 1260 (2)	8.513	20087	0.175	ng/ml
45)	Aroclor 1260 (3)	8.748	18291	0.162	ng/ml
46)	Aroclor 1260 (4)	9.254	25328	0.154	ng/ml
47)	Aroclor 1260 (5)	9.532	17899	0.184	ng/ml
48)	Aroclor 1260 (6)	10.145	16167	0.417	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	8.513	20087	0.251	ng/ml
51)	Aroclor 1262 (2)	8.822	19677	0.173	ng/ml
52)	Aroclor 1262 (3)	9.000	463729	5.250	ng/ml
53)	Aroclor 1262 (4)	9.254	25328	0.149	ng/ml
54)	Aroclor 1262 (5)	9.532	17899	0.170	ng/ml
55)	Aroclor 1262 (6)	10.145	16167	0.355	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	9.063	16121	0.333	ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_25.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 04:45 pm
Operator :
Sample : 0I15055-IBL1
Misc : 1x
ALS Vial : 1 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 17 12:23:40 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	9.532	17899	0.095 ng/ml
59)	Aroclor 1268 (3)	9.596	11623	0.077 ng/ml
60)	Aroclor 1268 (4)	9.833	12855	0.096 ng/ml
61)	Aroclor 1268 (5)	10.145	16167	0.326 ng/ml
62)	Aroclor 1268 (6)	10.512	14820	0.043 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

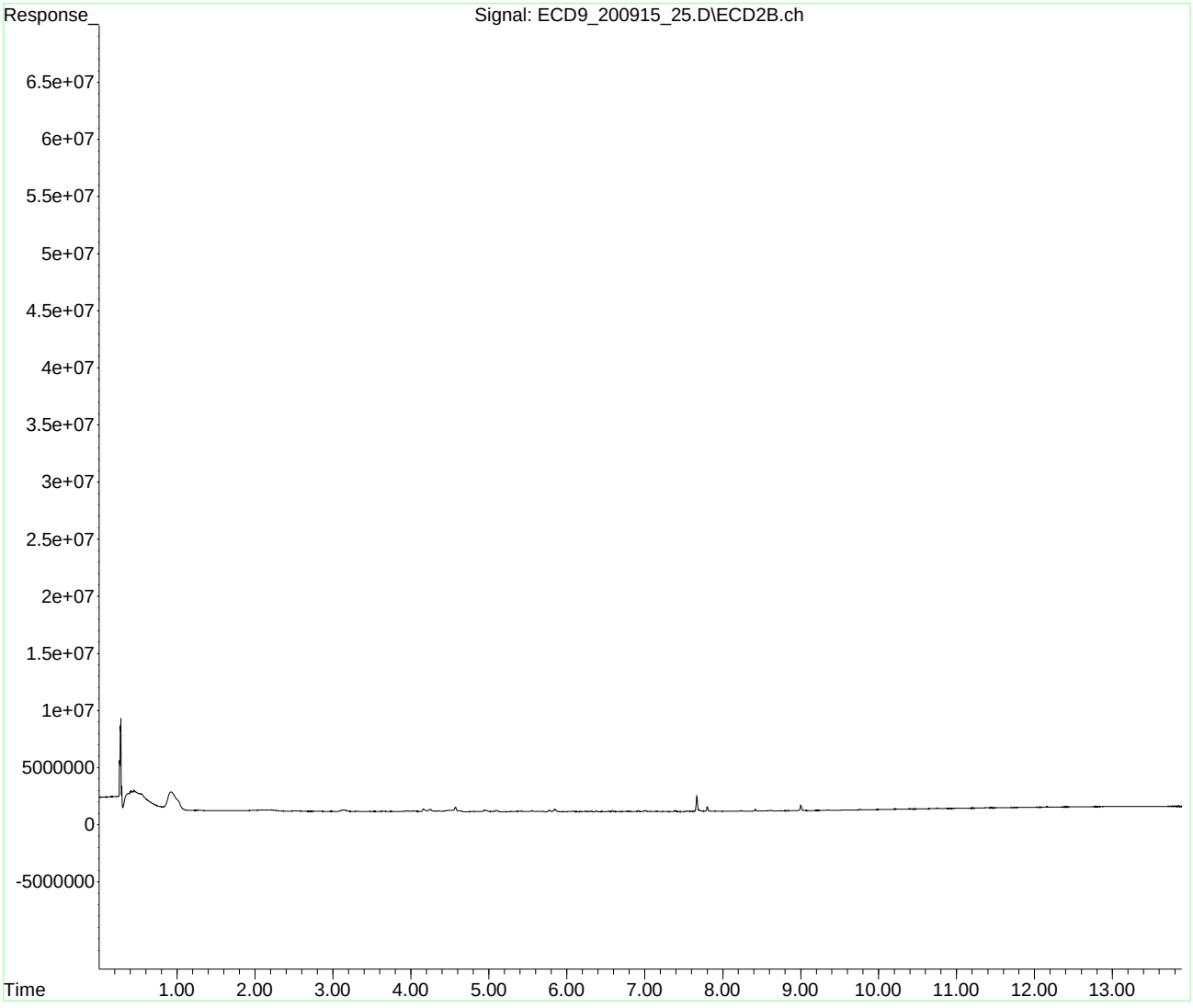
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_25.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 04:45 pm
Operator :
Sample : 0I15055-IBL1
Misc : 1x
ALS Vial : 1 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 17 12:23:40 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_27.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 05:03 pm
Operator :
Sample : 0I15055-ICV1
Misc :
ALS Vial : 18 Sample Multiplier: 1

KAK 9/17/2020

Integration File: events.e
Quant Time: Sep 17 12:23:44 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units	
	System Monitoring Compounds					
1) S	TCMX (S)	5.766	301162949	188.342	ng/ml	
64) S	DCBP (S)	10.862	120481983	169.688	ng/ml	
	Target Compounds					
2)	Aroclor 1016 (1)	6.446	24044898	423.981	ng/ml	
3)	Aroclor 1016 (2)	6.937	40380851	444.819	ng/ml	
4)	Aroclor 1016 (3)	7.066	18030033	418.508	ng/ml	421.357
5)	Aroclor 1016 (4)	7.154	19264334	413.079	ng/ml	
6)	Aroclor 1016 (5)	7.199	20877685	411.629	ng/ml	
7)	Aroclor 1016 (6)	7.325	20750352	416.125	ng/ml	
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml	
9)	Aroclor 1221 (1)	5.945	1501000	136.435	ng/ml	
10)	Aroclor 1221 (2)	6.018	2897003	260.849	ng/ml	
11)	Aroclor 1221 (3)	6.106	13488876	369.059	ng/ml	
12)	Aroclor 1221 (4)	6.620	13590480	1717.908	ng/ml	
13)	Aroclor 1221 (5)	6.937	40380851	6714.195	ng/ml	
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml	
15)	Aroclor 1232 (1)	6.106	13488876	442.363	ng/ml	
16)	Aroclor 1232 (2)	6.446	24044898	1190.078	ng/ml	
17)	Aroclor 1232 (3)	6.937	40380851	1203.693	ng/ml	
18)	Aroclor 1232 (4)	7.154	19264334	1381.289	ng/ml	
19)	Aroclor 1232 (5)	7.199	20877685	1312.304	ng/ml	
20)	Aroclor 1232 (6)	7.325	20750352	1276.593	ng/ml	
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml	
22)	Aroclor 1242 (1)	6.446	24044898	640.929	ng/ml	
23)	Aroclor 1242 (2)	6.937	40380851	671.194	ng/ml	
24)	Aroclor 1242 (3)	7.066	18030033	620.762	ng/ml	
25)	Aroclor 1242 (4)	7.154	19264334	675.570	ng/ml	
26)	Aroclor 1242 (5)	7.199	20877685	632.172	ng/ml	

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_27.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 05:03 pm
Operator :
Sample : 0I15055-ICV1
Misc :
ALS Vial : 18 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 17 12:23:44 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units	
27)	Aroclor 1242 (6)	7.325	20750352	621.039	ng/ml	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml	
29)	Aroclor 1248 (1)	6.910	34680303	909.346	ng/ml	
30)	Aroclor 1248 (2)	7.154	19264334	354.001	ng/ml	
31)	Aroclor 1248 (3)	7.199	20877685	420.816	ng/ml	
32)	Aroclor 1248 (4)	7.325	20750352	358.355	ng/ml	
33)	Aroclor 1248 (5)	7.694	3900328	53.619	ng/ml	
34)	Aroclor 1248 (6)	7.854	19555972	327.811	ng/ml	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml	
36)	Aroclor 1254 (1)	7.671	18350981	257.819	ng/ml	
37)	Aroclor 1254 (2)	7.854	19555972	179.602	ng/ml	
38)	Aroclor 1254 (3)	8.168	9777665	87.677	ng/ml	
39)	Aroclor 1254 (4)	8.410	6328116	77.396	ng/ml	
40)	Aroclor 1254 (5)	8.748	57383716	664.924	ng/ml	
41)	Aroclor 1254 (6)	8.970	6697522	277.490	ng/ml	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml	
43)	Aroclor 1260 (1)	8.306	46812314	486.954	ng/ml	
44)	Aroclor 1260 (2)	8.513	55675954	484.767	ng/ml	
45)	Aroclor 1260 (3)	8.748	57383716	507.592	ng/ml	441.282
46)	Aroclor 1260 (4)	9.253	68889139	419.360	ng/ml	
47)	Aroclor 1260 (5)	9.530	40502877	416.909	ng/ml	
48)	Aroclor 1260 (6)	10.140	12861846	332.108	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	8.513	55675954	695.569	ng/ml	
51)	Aroclor 1262 (2)	8.818	33351979	292.829	ng/ml	
52)	Aroclor 1262 (3)	8.999	35339553	400.058	ng/ml	
53)	Aroclor 1262 (4)	9.253	68889139	403.971	ng/ml	
54)	Aroclor 1262 (5)	9.530	40502877	384.684	ng/ml	
55)	Aroclor 1262 (6)	10.140	12861846	282.619	ng/ml	
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml	
57)	Aroclor 1268 (1)	9.045	2451338	50.676	ng/ml	

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_27.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 05:03 pm
Operator :
Sample : 0I15055-ICV1
Misc :
ALS Vial : 18 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 17 12:23:44 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	9.530	40502877	214.351	ng/ml
59)	Aroclor 1268 (3)	9.599	13669542	90.469	ng/ml
60)	Aroclor 1268 (4)	9.833	3296948	24.722	ng/ml
61)	Aroclor 1268 (5)	10.140	12861846	259.290	ng/ml
62)	Aroclor 1268 (6)	10.521	7868271	22.953	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

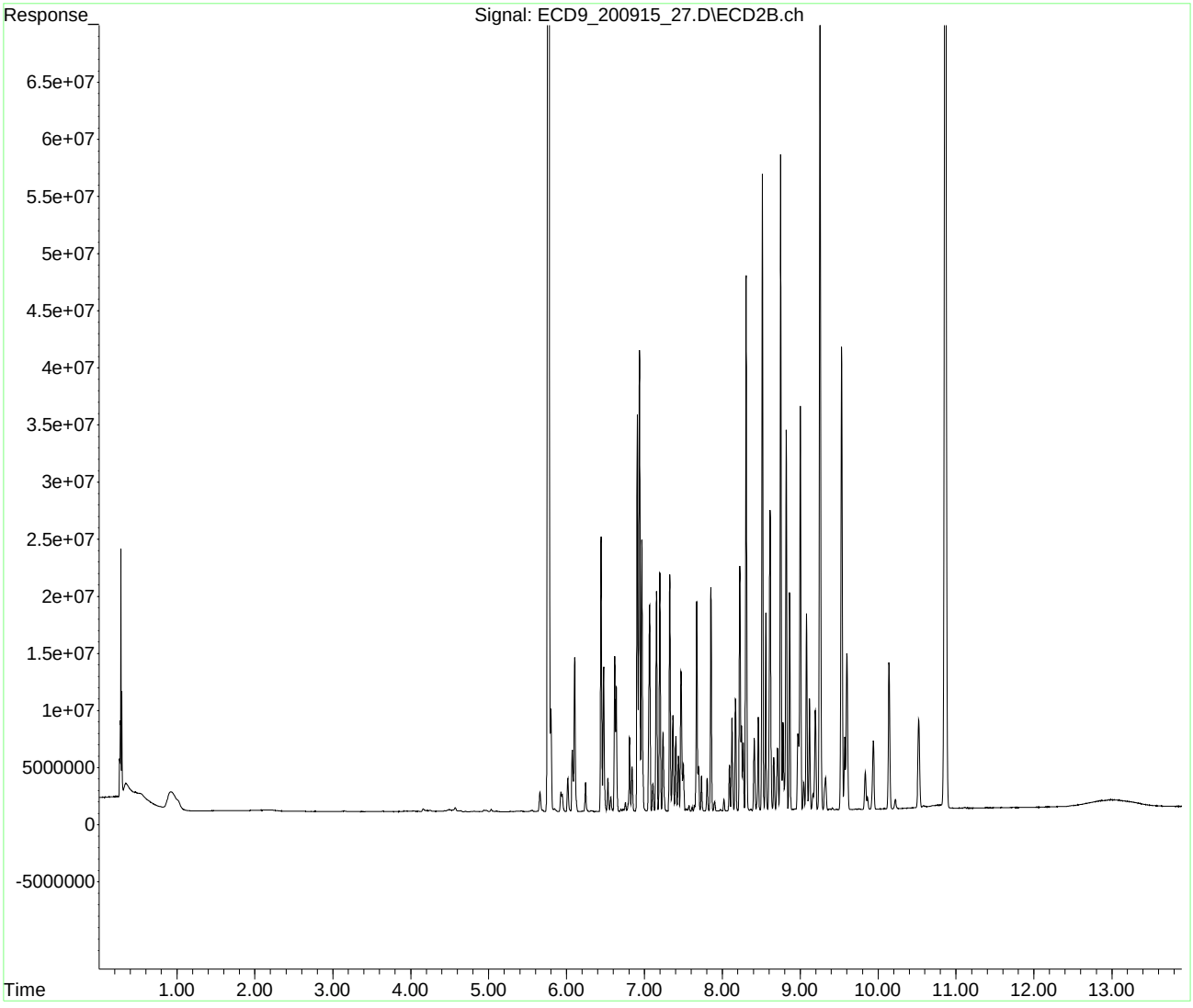
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_27.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 05:03 pm
Operator :
Sample : 0I15055-ICV1
Misc :
ALS Vial : 18 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 17 12:23:44 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_43.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 07:26 pm
Operator :
Sample : 0I15055-ICV2
Misc :
ALS Vial : 26 Sample Multiplier: 1

KAK 9/17/2020

Integration File: events.e
Quant Time: Sep 17 12:23:49 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	5.766	62361978	39.000	ng/ml
64)	S DCBP (S)	10.861	60763588	85.580	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.445	4379547	77.224	ng/ml
3)	Aroclor 1016 (2)	6.937	6329451	69.723	ng/ml
4)	Aroclor 1016 (3)	7.065	2924409	67.881	ng/ml
5)	Aroclor 1016 (4)	7.153	22517066	482.827	ng/ml
6)	Aroclor 1016 (5)	7.199	7805539	153.896	ng/ml
7)	Aroclor 1016 (6)	7.325	13063493	261.973	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.945	10700946	972.671	ng/ml
10)	Aroclor 1221 (2)	6.018	10347995	931.744	ng/ml
11)	Aroclor 1221 (3)	6.106	35637160	975.041	ng/ml
12)	Aroclor 1221 (4)	6.620	7659806	968.240	ng/ml
13)	Aroclor 1221 (5)	6.937	6329451	1052.409	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	6.106	35637160	1168.709	ng/ml
16)	Aroclor 1232 (2)	6.445	4379547	216.761	ng/ml
17)	Aroclor 1232 (3)	6.937	6329451	188.672	ng/ml
18)	Aroclor 1232 (4)	7.153	22517066	1614.516	ng/ml
19)	Aroclor 1232 (5)	7.199	7805539	490.631	ng/ml
20)	Aroclor 1232 (6)	7.325	13063493	803.686	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.445	4379547	116.739	ng/ml
23)	Aroclor 1242 (2)	6.937	6329451	105.205	ng/ml
24)	Aroclor 1242 (3)	7.065	2924409	100.685	ng/ml
25)	Aroclor 1242 (4)	7.153	22517066	789.638	ng/ml
26)	Aroclor 1242 (5)	7.199	7805539	236.350	ng/ml

980.021

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_43.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 07:26 pm
Operator :
Sample : 0I15055-ICV2
Misc :
ALS Vial : 26 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 17 12:23:49 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units	
27)	Aroclor 1242 (6)	7.325	13063493	390.978	ng/ml	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml	
29)	Aroclor 1248 (1)	6.910	5498371	144.172	ng/ml	
30)	Aroclor 1248 (2)	7.153	22517066	413.773	ng/ml	
31)	Aroclor 1248 (3)	7.199	7805539	157.330	ng/ml	
32)	Aroclor 1248 (4)	7.325	13063493	225.604	ng/ml	
33)	Aroclor 1248 (5)	7.693	19529862	268.482	ng/ml	
34)	Aroclor 1248 (6)	7.854	56097019	940.338	ng/ml	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml	
36)	Aroclor 1254 (1)	7.672	38196605	536.636	ng/ml	
37)	Aroclor 1254 (2)	7.854	56097019	515.194	ng/ml	
38)	Aroclor 1254 (3)	8.168	56241584	504.322	ng/ml	
39)	Aroclor 1254 (4)	8.408	40801417	499.024	ng/ml	503.531
40)	Aroclor 1254 (5)	8.746	42686972	494.628	ng/ml	
41)	Aroclor 1254 (6)	8.980	11377255	471.380	ng/ml	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml	
43)	Aroclor 1260 (1)	8.305	21526483	223.924	ng/ml	
44)	Aroclor 1260 (2)	8.512	25095879	218.508	ng/ml	
45)	Aroclor 1260 (3)	8.746	42686972	377.591	ng/ml	
46)	Aroclor 1260 (4)	9.252	7007737	42.659	ng/ml	
47)	Aroclor 1260 (5)	9.528	5273069	54.277	ng/ml	
48)	Aroclor 1260 (6)	10.139	449323	11.602	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	8.512	25095879	313.527	ng/ml	
51)	Aroclor 1262 (2)	8.817	2675944	23.495	ng/ml	
52)	Aroclor 1262 (3)	8.980	11377255	128.795	ng/ml	
53)	Aroclor 1262 (4)	9.252	7007737	41.094	ng/ml	
54)	Aroclor 1262 (5)	9.528	5273069	50.082	ng/ml	
55)	Aroclor 1262 (6)	10.139	449323	9.873	ng/ml	
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml	
57)	Aroclor 1268 (1)	9.044	343344	7.098	ng/ml	

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_43.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 07:26 pm
Operator :
Sample : 0I15055-ICV2
Misc :
ALS Vial : 26 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 17 12:23:49 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	9.528	5273069	27.906	ng/ml
59)	Aroclor 1268 (3)	9.598	531512	3.518	ng/ml
60)	Aroclor 1268 (4)	9.832	230097	1.725	ng/ml
61)	Aroclor 1268 (5)	10.139	449323	9.058	ng/ml
62)	Aroclor 1268 (6)	10.520	308406	0.900	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

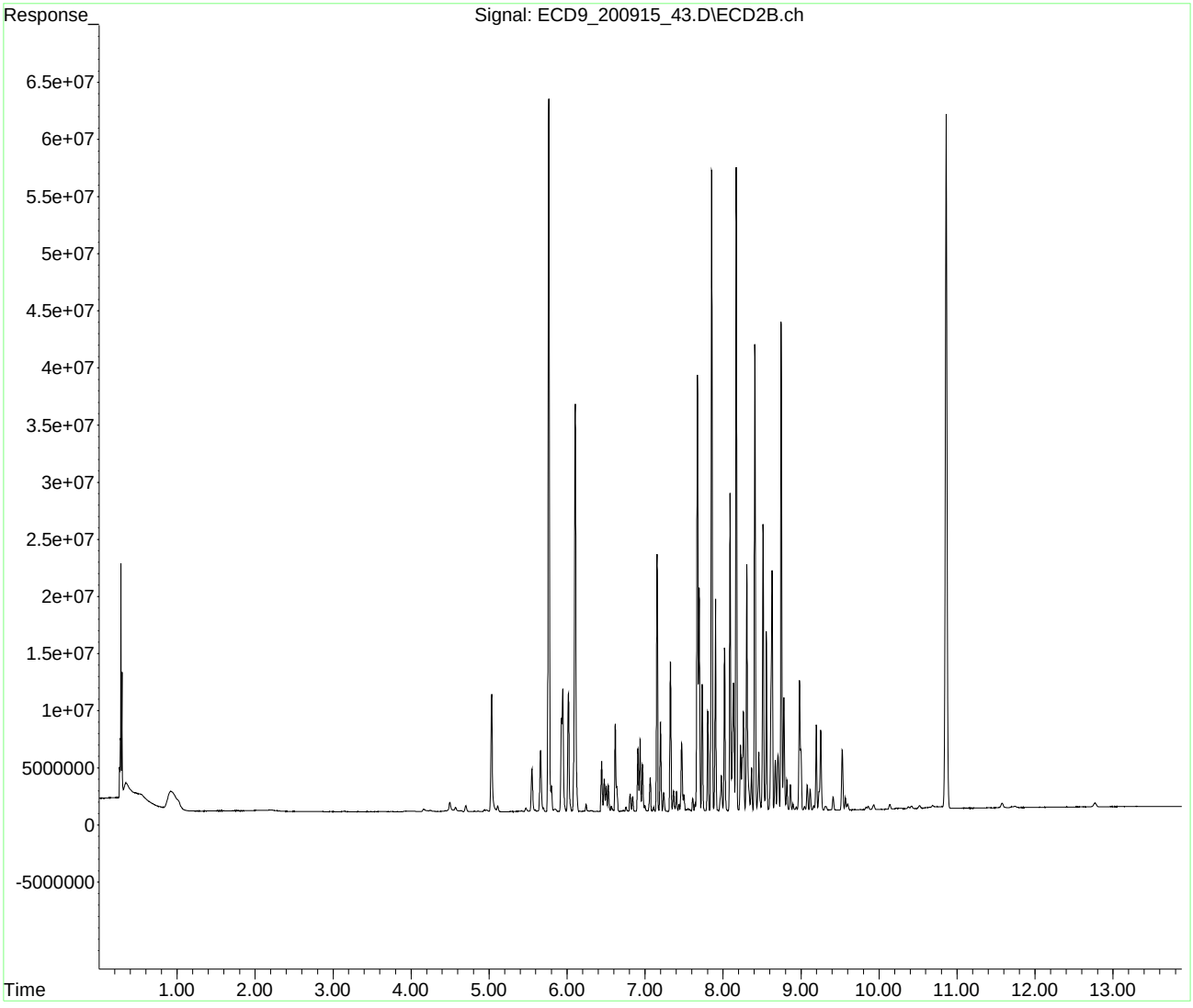
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_43.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 07:26 pm
Operator :
Sample : 0I15055-ICV2
Misc :
ALS Vial : 26 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 17 12:23:49 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_45.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 07:44 pm
Operator :
Sample : 0I15055-ICV3
Misc :
ALS Vial : 27 Sample Multiplier: 1

KAK 9/17/2020

Integration File: events.e
Quant Time: Sep 17 12:23:54 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units	
	System Monitoring Compounds					
1) S	TCMX (S)	5.766	63953085	39.995	ng/ml	
64) S	DCBP (S)	10.862	60503186	85.214	ng/ml	
	Target Compounds					
2)	Aroclor 1016 (1)	6.445	10545776	185.952	ng/ml	
3)	Aroclor 1016 (2)	6.937	17859281	196.731	ng/ml	
4)	Aroclor 1016 (3)	7.065	8307213	192.825	ng/ml	
5)	Aroclor 1016 (4)	7.153	7582016	162.579	ng/ml	
6)	Aroclor 1016 (5)	7.199	8453737	166.676	ng/ml	
7)	Aroclor 1016 (6)	7.325	8569901	171.860	ng/ml	
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml	
9)	Aroclor 1221 (1)	5.945	3681628	334.644	ng/ml	
10)	Aroclor 1221 (2)	6.018	4231935	381.048	ng/ml	
11)	Aroclor 1221 (3)	6.106	14942233	408.823	ng/ml	
12)	Aroclor 1221 (4)	6.620	7677693	970.501	ng/ml	
13)	Aroclor 1221 (5)	6.937	17859281	2969.494	ng/ml	
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml	
15)	Aroclor 1232 (1)	6.106	14942233	490.026	ng/ml	
16)	Aroclor 1232 (2)	6.445	10545776	521.953	ng/ml	
17)	Aroclor 1232 (3)	6.937	17859281	532.359	ng/ml	524.432
18)	Aroclor 1232 (4)	7.153	7582016	543.645	ng/ml	
19)	Aroclor 1232 (5)	7.199	8453737	531.375	ng/ml	
20)	Aroclor 1232 (6)	7.325	8569901	527.233	ng/ml	
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml	
22)	Aroclor 1242 (1)	6.445	10545776	281.103	ng/ml	
23)	Aroclor 1242 (2)	6.937	17859281	296.850	ng/ml	
24)	Aroclor 1242 (3)	7.065	8307213	286.012	ng/ml	
25)	Aroclor 1242 (4)	7.153	7582016	265.889	ng/ml	
26)	Aroclor 1242 (5)	7.199	8453737	255.977	ng/ml	

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_45.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 07:44 pm
Operator :
Sample : 0I15055-ICV3
Misc :
ALS Vial : 27 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 17 12:23:54 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units	
27)	Aroclor 1242 (6)	7.325	8569901	256.489	ng/ml	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml	
29)	Aroclor 1248 (1)	6.909	14882407	390.229	ng/ml	
30)	Aroclor 1248 (2)	7.153	7582016	139.327	ng/ml	
31)	Aroclor 1248 (3)	7.199	8453737	170.396	ng/ml	
32)	Aroclor 1248 (4)	7.325	8569901	148.001	ng/ml	
33)	Aroclor 1248 (5)	7.693	9825130	135.068	ng/ml	
34)	Aroclor 1248 (6)	7.852	13009688	218.078	ng/ml	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml	
36)	Aroclor 1254 (1)	7.673	11249020	158.041	ng/ml	
37)	Aroclor 1254 (2)	7.852	13009688	119.481	ng/ml	
38)	Aroclor 1254 (3)	8.168	5131396	46.014	ng/ml	
39)	Aroclor 1254 (4)	8.408	4017521	49.136	ng/ml	
40)	Aroclor 1254 (5)	8.749	31024735	359.494	ng/ml	
41)	Aroclor 1254 (6)	8.967	9803122	406.161	ng/ml	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml	
43)	Aroclor 1260 (1)	8.305	34033086	354.021	ng/ml	
44)	Aroclor 1260 (2)	8.512	41191096	358.648	ng/ml	
45)	Aroclor 1260 (3)	8.749	31024735	274.432	ng/ml	
46)	Aroclor 1260 (4)	9.252	82948997	504.949	ng/ml	
47)	Aroclor 1260 (5)	9.530	50470045	519.505	ng/ml	
48)	Aroclor 1260 (6)	10.139	22347569	577.040	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	8.512	41191096	514.607	ng/ml	
51)	Aroclor 1262 (2)	8.818	57287693	502.984	ng/ml	
52)	Aroclor 1262 (3)	8.999	43412369	491.445	ng/ml	
53)	Aroclor 1262 (4)	9.252	82948997	486.419	ng/ml	494.310
54)	Aroclor 1262 (5)	9.530	50470045	479.349	ng/ml	
55)	Aroclor 1262 (6)	10.139	22347569	491.053	ng/ml	
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml	
57)	Aroclor 1268 (1)	9.043	6135907	126.847	ng/ml	

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_45.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 07:44 pm
Operator :
Sample : 0I15055-ICV3
Misc :
ALS Vial : 27 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 17 12:23:54 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	9.530	50470045	267.100	ng/ml
59)	Aroclor 1268 (3)	9.599	27921470	184.793	ng/ml
60)	Aroclor 1268 (4)	9.832	2291579	17.183	ng/ml
61)	Aroclor 1268 (5)	10.139	22347569	450.519	ng/ml
62)	Aroclor 1268 (6)	10.520	7146293	20.847	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

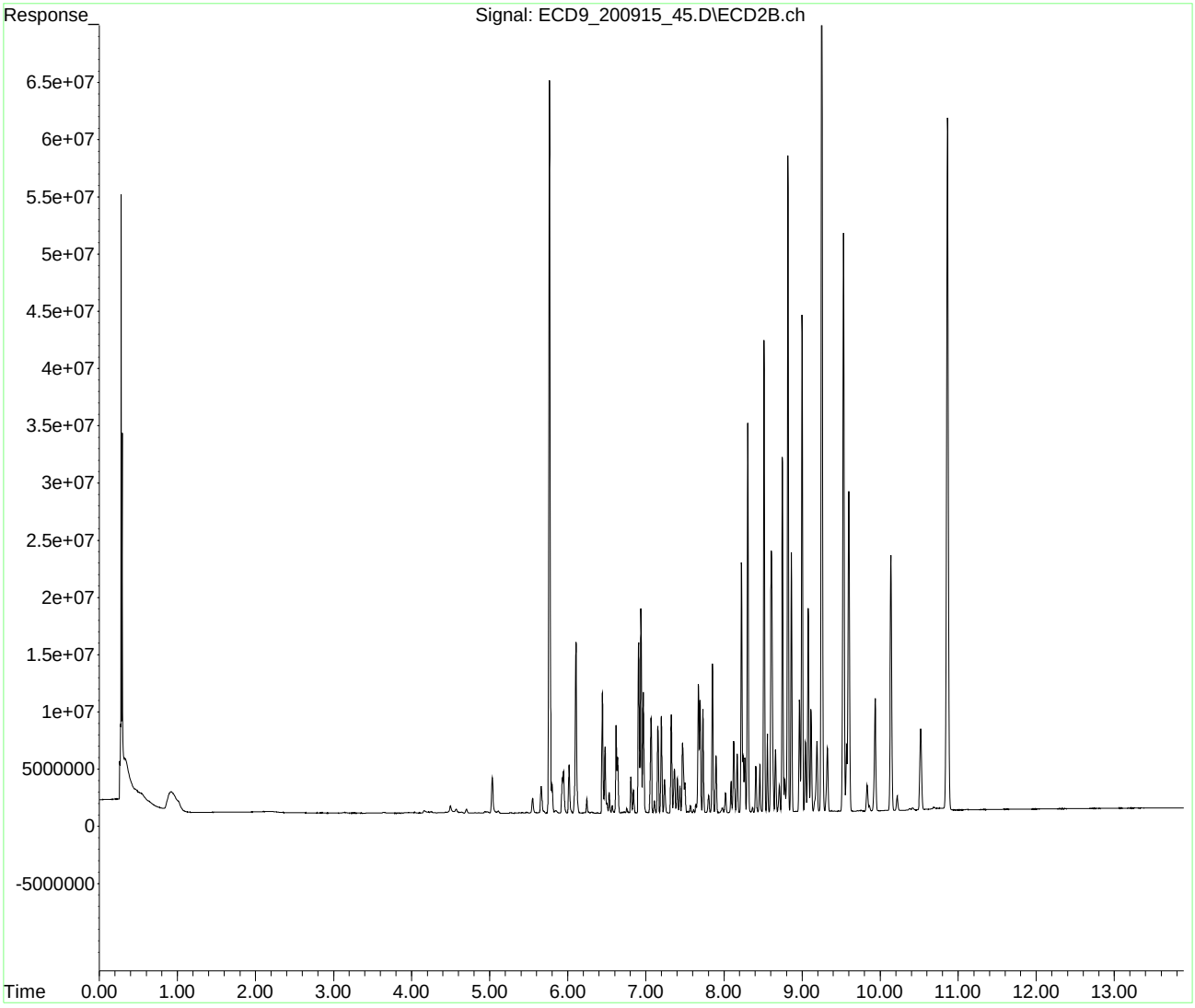
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_45.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 07:44 pm
Operator :
Sample : 0I15055-ICV3
Misc :
ALS Vial : 27 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 17 12:23:54 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_47.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 08:02 pm
Operator :
Sample : 0I15055-ICV4
Misc :
ALS Vial : 28 Sample Multiplier: 1

KAK 9/17/2020

Integration File: events.e
Quant Time: Sep 17 12:24:00 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	5.766	67883272	42.453	ng/ml
64)	S DCBP (S)	10.860	29935409	42.161	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.446	20489618	361.291	ng/ml
3)	Aroclor 1016 (2)	6.937	33777685	372.082	ng/ml
4)	Aroclor 1016 (3)	7.065	14888779	345.594	ng/ml
5)	Aroclor 1016 (4)	7.153	15150323	324.864	ng/ml
6)	Aroclor 1016 (5)	7.199	17104355	337.233	ng/ml
7)	Aroclor 1016 (6)	7.325	17422928	349.397	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.945	1344413	122.201	ng/ml
10)	Aroclor 1221 (2)	6.018	2661905	239.681	ng/ml
11)	Aroclor 1221 (3)	6.106	11700053	320.116	ng/ml
12)	Aroclor 1221 (4)	6.620	11945711	1510.000	ng/ml
13)	Aroclor 1221 (5)	6.937	33777685	5616.275	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	6.106	11700053	383.699	ng/ml
16)	Aroclor 1232 (2)	6.446	20489618	1014.113	ng/ml
17)	Aroclor 1232 (3)	6.937	33777685	1006.863	ng/ml
18)	Aroclor 1232 (4)	7.153	15150323	1086.307	ng/ml
19)	Aroclor 1232 (5)	7.199	17104355	1075.125	ng/ml
20)	Aroclor 1232 (6)	7.325	17422928	1071.885	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.446	20489618	546.162	ng/ml
23)	Aroclor 1242 (2)	6.937	33777685	561.439	ng/ml
24)	Aroclor 1242 (3)	7.065	14888779	512.610	ng/ml
25)	Aroclor 1242 (4)	7.153	15150323	531.298	ng/ml
26)	Aroclor 1242 (5)	7.199	17104355	517.916	ng/ml

531.813

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_47.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 08:02 pm
Operator :
Sample : 0I15055-ICV4
Misc :
ALS Vial : 28 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 17 12:24:00 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	7.325	17422928	521.452	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.909	28075880	736.173	ng/ml
30)	Aroclor 1248 (2)	7.153	15150323	278.402	ng/ml
31)	Aroclor 1248 (3)	7.199	17104355	344.760	ng/ml
32)	Aroclor 1248 (4)	7.325	17422928	300.891	ng/ml
33)	Aroclor 1248 (5)	7.693	18910029	259.961	ng/ml
34)	Aroclor 1248 (6)	7.851	14143464	237.083	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.674	13433567	188.732	ng/ml
37)	Aroclor 1254 (2)	7.851	14143464	129.893	ng/ml
38)	Aroclor 1254 (3)	8.167	5736973	51.444	ng/ml
39)	Aroclor 1254 (4)	8.407	4073468	49.821	ng/ml
40)	Aroclor 1254 (5)	8.748	1221991	14.160	ng/ml
41)	Aroclor 1254 (6)	8.967	1085381	44.969	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	8.305	552933	5.752	ng/ml
44)	Aroclor 1260 (2)	8.511	919661	8.007	ng/ml
45)	Aroclor 1260 (3)	8.748	1221991	10.809	ng/ml
46)	Aroclor 1260 (4)	9.250	10205563	62.126	ng/ml
47)	Aroclor 1260 (5)	9.531	101438322	1044.138	ng/ml
48)	Aroclor 1260 (6)	10.138	26506303	684.423	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	8.511	919661	11.489	ng/ml
51)	Aroclor 1262 (2)	8.817	22402168	196.690	ng/ml
52)	Aroclor 1262 (3)	8.999	1836798	20.793	ng/ml
53)	Aroclor 1262 (4)	9.250	10205563	59.846	ng/ml
54)	Aroclor 1262 (5)	9.531	101438322	963.429	ng/ml
55)	Aroclor 1262 (6)	10.138	26506303	582.435	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	9.043	24879596	514.333	ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_47.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 08:02 pm
Operator :
Sample : 0I15055-ICV4
Misc :
ALS Vial : 28 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 17 12:24:00 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units	
58)	Aroclor 1268 (2)	9.531	101438322	536.836	ng/ml	
59)	Aroclor 1268 (3)	9.601	81618202	540.175	ng/ml	
60)	Aroclor 1268 (4)	9.831	67695581	507.614	ng/ml	519.754
61)	Aroclor 1268 (5)	10.138	26506303	534.358	ng/ml	
62)	Aroclor 1268 (6)	10.518	166328392	485.210	ng/ml	
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml	

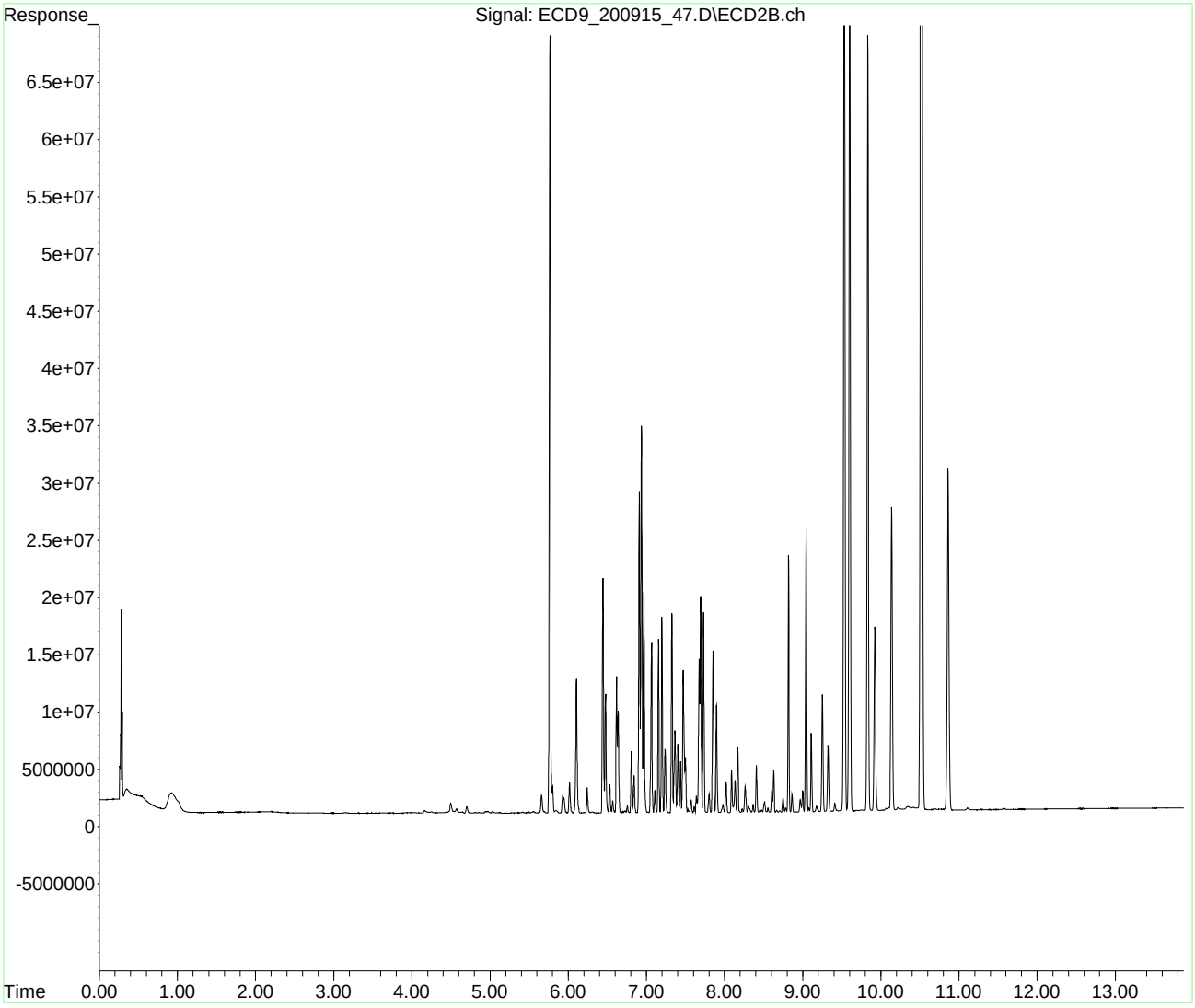
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_47.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 08:02 pm
Operator :
Sample : 0I15055-ICV4
Misc :
ALS Vial : 28 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 17 12:24:00 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_49.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 08:20 pm
Operator :
Sample : 0I15055-ICV5
Misc :
ALS Vial : 29 Sample Multiplier: 1

KAK 9/17/2020

Integration File: events.e
Quant Time: Sep 17 12:24:04 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	5.783	59510	0.037	ng/ml
64)	S DCBP (S)	10.900	20473	0.029	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.445	10365420	182.772	ng/ml
3)	Aroclor 1016 (2)	6.937	18214338	200.642	ng/ml
4)	Aroclor 1016 (3)	7.063	8961454	208.011	ng/ml
5)	Aroclor 1016 (4)	7.154	26728870	573.139	ng/ml
6)	Aroclor 1016 (5)	7.199	24846632	489.882	ng/ml
7)	Aroclor 1016 (6)	7.325	28947784	580.515	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.948	138654	12.603	ng/ml
10)	Aroclor 1221 (2)	6.018	259364	23.353	ng/ml
11)	Aroclor 1221 (3)	6.106	1477100	40.414	ng/ml
12)	Aroclor 1221 (4)	6.620	4072674	514.807	ng/ml
13)	Aroclor 1221 (5)	6.937	18214338	3028.530	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	6.106	1477100	48.441	ng/ml
16)	Aroclor 1232 (2)	6.445	10365420	513.026	ng/ml
17)	Aroclor 1232 (3)	6.937	18214338	542.942	ng/ml
18)	Aroclor 1232 (4)	7.154	26728870	1916.510	ng/ml
19)	Aroclor 1232 (5)	7.199	24846632	1561.779	ng/ml
20)	Aroclor 1232 (6)	7.325	28947784	1780.912	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	6.445	10365420	276.296	ng/ml
23)	Aroclor 1242 (2)	6.937	18214338	302.751	ng/ml
24)	Aroclor 1242 (3)	7.063	8961454	308.537	ng/ml
25)	Aroclor 1242 (4)	7.154	26728870	937.339	ng/ml
26)	Aroclor 1242 (5)	7.199	24846632	752.351	ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_49.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 08:20 pm
Operator :
Sample : 0I15055-ICV5
Misc :
ALS Vial : 29 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 17 12:24:04 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units	
27)	Aroclor 1242 (6)	7.325	28947784	866.380	ng/ml	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml	
29)	Aroclor 1248 (1)	6.910	19340333	507.120	ng/ml	
30)	Aroclor 1248 (2)	7.154	26728870	491.169	ng/ml	
31)	Aroclor 1248 (3)	7.199	24846632	500.815	ng/ml	499.032
32)	Aroclor 1248 (4)	7.325	28947784	499.923	ng/ml	
33)	Aroclor 1248 (5)	7.694	35792045	492.042	ng/ml	
34)	Aroclor 1248 (6)	7.852	30014465	503.124	ng/ml	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml	
36)	Aroclor 1254 (1)	7.674	26088998	366.533	ng/ml	
37)	Aroclor 1254 (2)	7.852	30014465	275.652	ng/ml	
38)	Aroclor 1254 (3)	8.168	17895206	160.468	ng/ml	
39)	Aroclor 1254 (4)	8.408	12542207	153.398	ng/ml	
40)	Aroclor 1254 (5)	8.746	3037722	35.199	ng/ml	
41)	Aroclor 1254 (6)	8.980	1185751	49.128	ng/ml	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml	
43)	Aroclor 1260 (1)	8.306	1771705	18.430	ng/ml	
44)	Aroclor 1260 (2)	8.510	2077462	18.088	ng/ml	
45)	Aroclor 1260 (3)	8.746	3037722	26.870	ng/ml	
46)	Aroclor 1260 (4)	9.252	622269	3.788	ng/ml	
47)	Aroclor 1260 (5)	9.529	438059	4.509	ng/ml	
48)	Aroclor 1260 (6)	10.140	126794	3.274	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	8.510	2077462	25.954	ng/ml	
51)	Aroclor 1262 (2)	8.818	295694	2.596	ng/ml	
52)	Aroclor 1262 (3)	8.997	580113	6.567	ng/ml	
53)	Aroclor 1262 (4)	9.252	622269	3.649	ng/ml	
54)	Aroclor 1262 (5)	9.529	438059	4.161	ng/ml	
55)	Aroclor 1262 (6)	10.140	126794	2.786	ng/ml	
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml	
57)	Aroclor 1268 (1)	9.043	34877	0.721	ng/ml	

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_49.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 08:20 pm
Operator :
Sample : 0I15055-ICV5
Misc :
ALS Vial : 29 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 17 12:24:04 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	9.529	438059	2.318 ng/ml
59)	Aroclor 1268 (3)	9.599	132567	0.877 ng/ml
60)	Aroclor 1268 (4)	9.832	26744	0.201 ng/ml
61)	Aroclor 1268 (5)	10.140	126794	2.556 ng/ml
62)	Aroclor 1268 (6)	10.522	54969	0.160 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

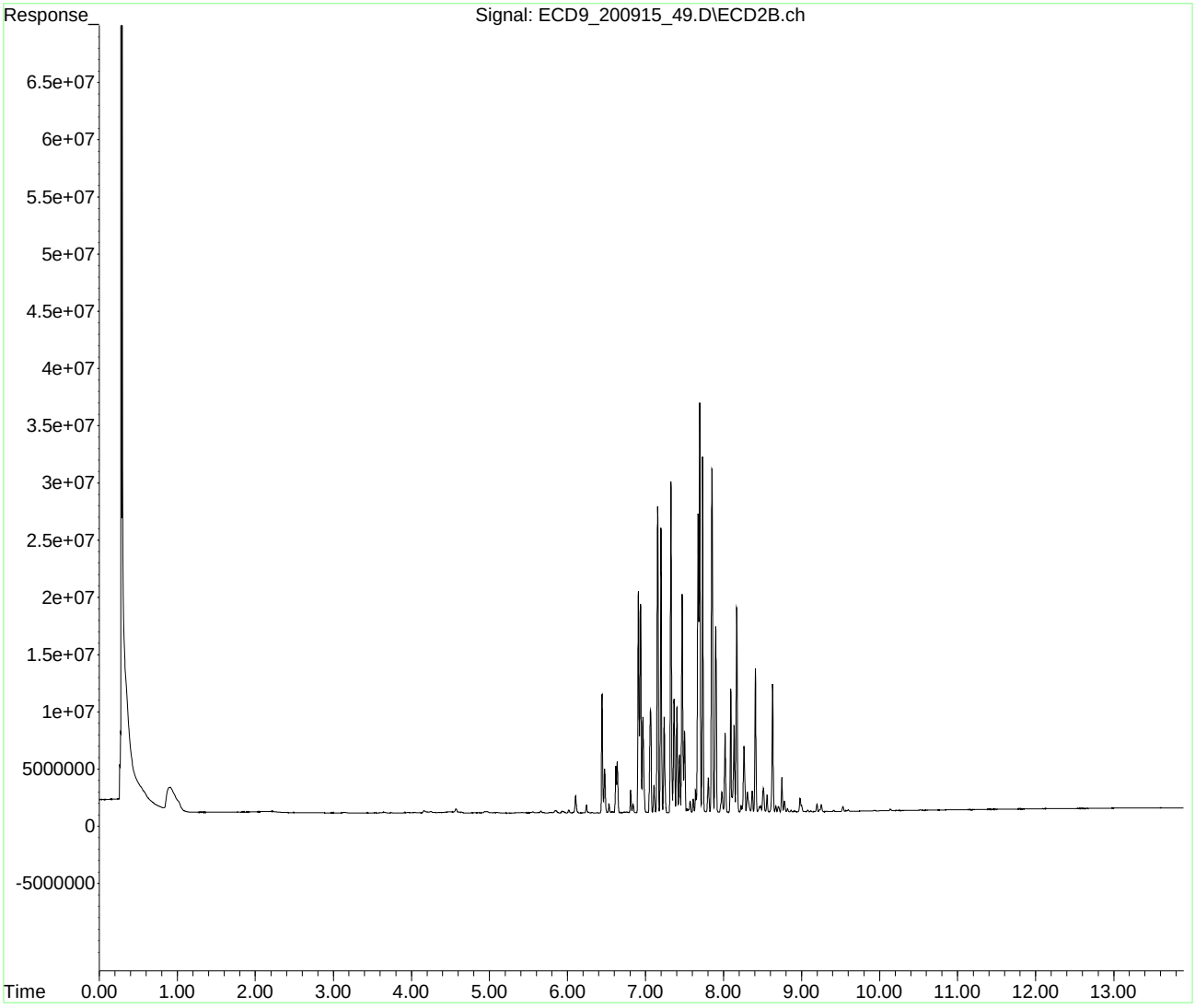
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_49.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 08:20 pm
Operator :
Sample : 0I15055-ICV5
Misc :
ALS Vial : 29 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 17 12:24:04 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\requant\
Data File : ECD9_200915_11.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 02:40 pm
Operator :
Sample : 0I15055-CAL1
Misc : 1x
ALS Vial : 11 Sample Multiplier: 1

KAK 9/17/2020

Integration File: events.e
Quant Time: Sep 17 12:13:51 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units	
	System Monitoring Compounds					
1)	S TCMX (S)	5.765	15318713	9.580	ng/ml	
64)	S DCBP (S)	10.864	7255594	10.219	ng/ml	✓
	Target Compounds					
2)	Aroclor 1016 (1)	6.445	1421961	25.073	ng/ml	
3)	Aroclor 1016 (2)	6.938	2055115	22.638	ng/ml	
4)	Aroclor 1016 (3)	7.066	1062102	24.653	ng/ml	✓
5)	Aroclor 1016 (4)	7.154	1186017	25.431	ng/ml	
6)	Aroclor 1016 (5)	7.199	1276460	25.167	ng/ml	
7)	Aroclor 1016 (6)	7.326	1225054	24.567	ng/ml	
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml	
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld	
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld	
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld	
12)	Aroclor 1221 (4)	0.000	0	N.D.	ng/mld	
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld	
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld	
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld	
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld	
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld	
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld	
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld	
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld	
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld	
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld	
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld	
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld	
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld	
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld	

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\requant\
Data File : ECD9_200915_11.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 02:40 pm
Operator :
Sample : 0I15055-CAL1
Misc : 1x
ALS Vial : 11 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 17 12:13:51 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units	
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld	
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld	
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld	
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld	
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld	
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld	
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld	
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld	
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld	
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld	
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld	
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld	
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld	
43)	Aroclor 1260 (1)	8.306	2287238	23.792	ng/ml	
44)	Aroclor 1260 (2)	8.514	2618678	22.801	ng/ml	
45)	Aroclor 1260 (3)	8.749	2540989	22.477	ng/ml	
46)	Aroclor 1260 (4)	9.254	3468598	21.115	ng/ml	✓
47)	Aroclor 1260 (5)	9.531	2208139	22.729	ng/ml	
48)	Aroclor 1260 (6)	10.141	958372	24.746	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld	
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld	
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld	
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld	
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld	
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld	
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld	
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld	

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\requant\
Data File : ECD9_200915_11.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 02:40 pm
Operator :
Sample : 0I15055-CAL1
Misc : 1x
ALS Vial : 11 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 17 12:13:51 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

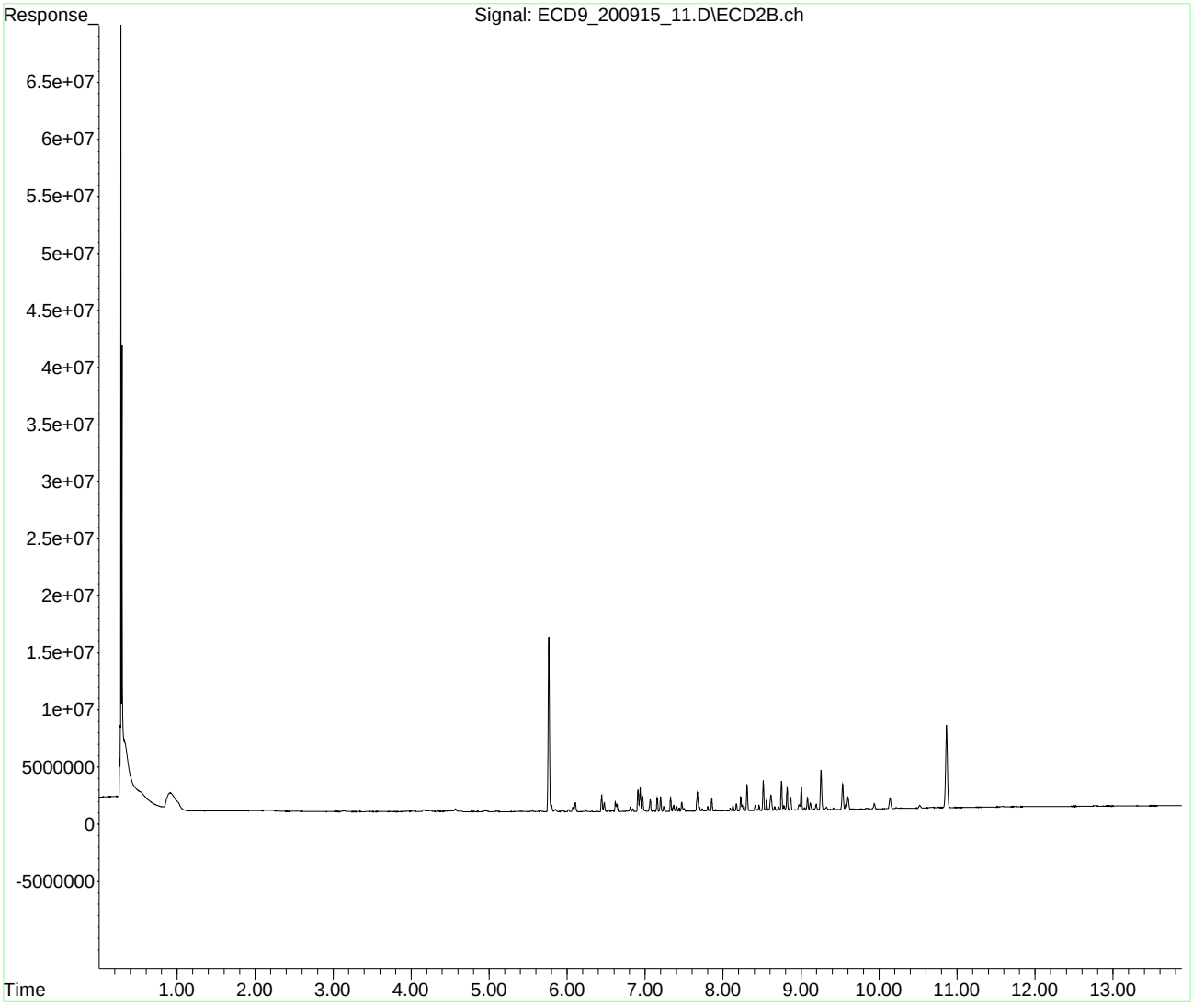
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\requant\
Data File : ECD9_200915_11.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 02:40 pm
Operator :
Sample : 0I15055-CAL1
Misc : 1x
ALS Vial : 11 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 17 12:13:51 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\requant\
Data File : ECD9_200915_13.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 02:58 pm
Operator :
Sample : 0I15055-CAL2
Misc : 1x
ALS Vial : 12 Sample Multiplier: 1

KAK 9/17/2020

Integration File: events.e
Quant Time: Sep 17 12:14:56 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units	
	System Monitoring Compounds					
1)	S TCMX (S)	5.765	39671191	24.810	ng/ml	✓
64)	S DCBP (S)	10.863	17638940	24.843	ng/ml	
	Target Compounds					
2)	Aroclor 1016 (1)	6.445	3125541	55.112	ng/ml	
3)	Aroclor 1016 (2)	6.938	4809232	52.977	ng/ml	
4)	Aroclor 1016 (3)	7.066	2362528	54.838	ng/ml	✓
5)	Aroclor 1016 (4)	7.154	2649767	56.818	ng/ml	
6)	Aroclor 1016 (5)	7.199	2870001	56.586	ng/ml	
7)	Aroclor 1016 (6)	7.325	2792685	56.004	ng/ml	
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml	
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld	
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld	
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld	
12)	Aroclor 1221 (4)	0.000	0	N.D.	ng/mld	
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld	
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld	
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld	
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld	
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld	
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld	
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld	
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld	
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld	
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld	
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld	
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld	
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld	
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld	

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\requant\
Data File : ECD9_200915_13.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 02:58 pm
Operator :
Sample : 0I15055-CAL2
Misc : 1x
ALS Vial : 12 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 17 12:14:56 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units	
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld	
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld	
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld	
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld	
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld	
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld	
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld	
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld	
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld	
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld	
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld	
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld	
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld	
43)	Aroclor 1260 (1)	8.306	5074049	52.782	ng/ml	
44)	Aroclor 1260 (2)	8.513	6172285	53.742	ng/ml	
45)	Aroclor 1260 (3)	8.749	5911953	52.295	ng/ml	
46)	Aroclor 1260 (4)	9.253	8514952	51.834	ng/ml	✓
47)	Aroclor 1260 (5)	9.531	5167629	53.192	ng/ml	
48)	Aroclor 1260 (6)	10.140	2167449	55.966	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld	
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld	
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld	
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld	
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld	
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld	
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld	
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld	

Data Path : Z:\1\data\2020-09\0I15055\requant\
Data File : ECD9_200915_13.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 02:58 pm
Operator :
Sample : 0I15055-CAL2
Misc : 1x
ALS Vial : 12 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 17 12:14:56 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

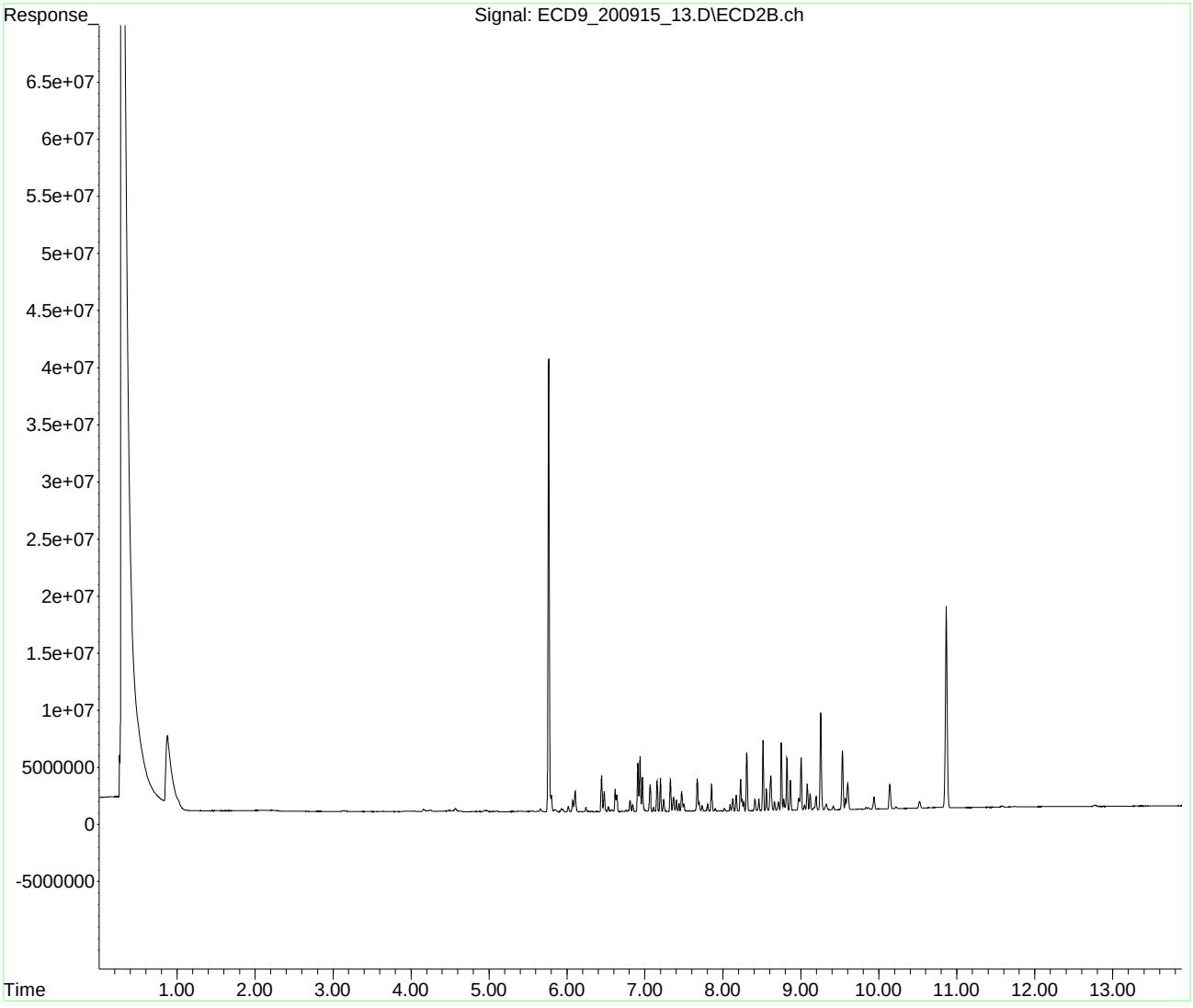
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\requant\
Data File : ECD9_200915_13.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 02:58 pm
Operator :
Sample : 0I15055-CAL2
Misc : 1x
ALS Vial : 12 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 17 12:14:56 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\requant\
Data File : ECD9_200915_15.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 03:15 pm
Operator :
Sample : 0I15055-CAL3
Misc : 1x
ALS Vial : 13 Sample Multiplier: 1

KAK 9/17/2020

Integration File: events.e
Quant Time: Sep 17 12:15:47 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units	
	System Monitoring Compounds					
1)	S TCMX (S)	5.765	79817050	49.916	ng/ml	
64)	S DCBP (S)	10.862	34765458	48.964	ng/ml	✓
	Target Compounds					
2)	Aroclor 1016 (1)	6.445	5784469	101.997	ng/ml	
3)	Aroclor 1016 (2)	6.937	9149174	100.784	ng/ml	
4)	Aroclor 1016 (3)	7.065	4500137	104.456	ng/ml	
5)	Aroclor 1016 (4)	7.153	4766402	102.205	ng/ml	✓
6)	Aroclor 1016 (5)	7.199	5055043	99.666	ng/ml	
7)	Aroclor 1016 (6)	7.325	4902416	98.312	ng/ml	
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml	
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld	
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld	
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld	
12)	Aroclor 1221 (4)	0.000	0	N.D.	ng/mld	
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld	
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld	
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld	
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld	
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld	
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld	
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld	
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld	
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld	
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld	
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld	
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld	
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld	
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld	

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\requant\
Data File : ECD9_200915_15.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 03:15 pm
Operator :
Sample : 0I15055-CAL3
Misc : 1x
ALS Vial : 13 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 17 12:15:47 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units	
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld	
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld	
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld	
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld	
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld	
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld	
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld	
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld	
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld	
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld	
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld	
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld	
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld	
43)	Aroclor 1260 (1)	8.306	9871636	102.687	ng/ml	
44)	Aroclor 1260 (2)	8.513	11359951	98.910	ng/ml	
45)	Aroclor 1260 (3)	8.748	11346111	100.363	ng/ml	
46)	Aroclor 1260 (4)	9.252	16572948	100.887	ng/ml	✓
47)	Aroclor 1260 (5)	9.530	9698027	99.825	ng/ml	
48)	Aroclor 1260 (6)	10.141	3920930	101.243	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld	
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld	
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld	
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld	
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld	
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld	
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld	
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld	

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\requant\
Data File : ECD9_200915_15.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 03:15 pm
Operator :
Sample : 0I15055-CAL3
Misc : 1x
ALS Vial : 13 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 17 12:15:47 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

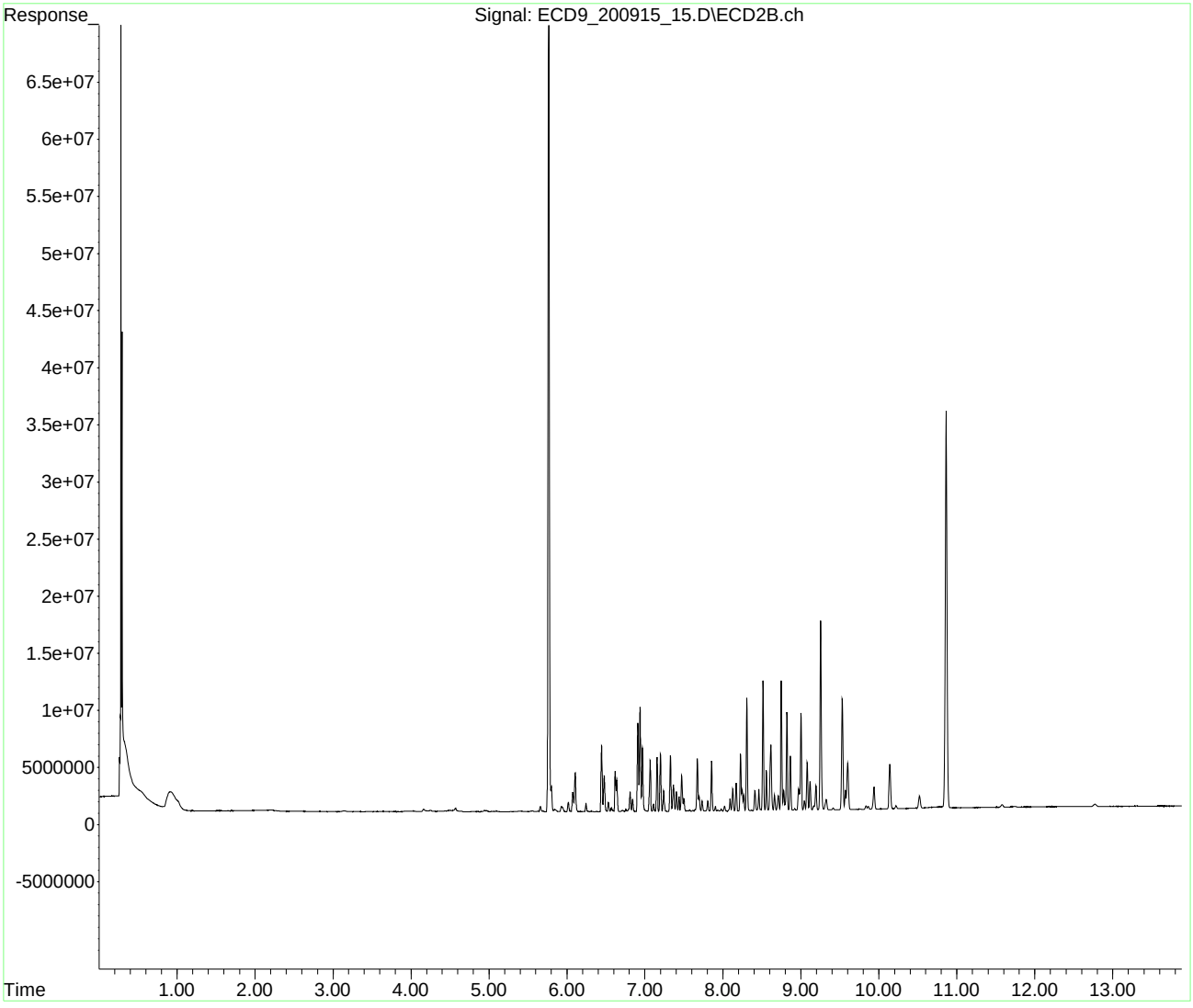
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\requant\
Data File : ECD9_200915_15.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 03:15 pm
Operator :
Sample : 0I15055-CAL3
Misc : 1x
ALS Vial : 13 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 17 12:15:47 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\requant\
Data File : ECD9_200915_17.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 03:33 pm
Operator :
Sample : 0I15055-CAL4
Misc : 1x
ALS Vial : 14 Sample Multiplier: 1

KAK 9/17/2020

Integration File: events.e
Quant Time: Sep 17 12:16:39 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units	
	System Monitoring Compounds					
1)	S TCMX (S)	5.766	160855104	100.596	ng/ml	✓
64)	S DCBP (S)	10.863	71501138	100.703	ng/ml	
	Target Compounds					
2)	Aroclor 1016 (1)	6.445	10659795	187.963	ng/ml	
3)	Aroclor 1016 (2)	6.938	17600722	193.883	ng/ml	
4)	Aroclor 1016 (3)	7.066	8054750	186.965	ng/ml	✓
5)	Aroclor 1016 (4)	7.154	8813492	188.985	ng/ml	
6)	Aroclor 1016 (5)	7.199	9560771	188.502	ng/ml	
7)	Aroclor 1016 (6)	7.325	9473446	189.979	ng/ml	
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml	
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld	
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld	
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld	
12)	Aroclor 1221 (4)	0.000	0	N.D.	ng/mld	
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld	
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld	
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld	
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld	
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld	
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld	
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld	
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld	
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld	
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld	
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld	
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld	
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld	
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld	

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\requant\
Data File : ECD9_200915_17.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 03:33 pm
Operator :
Sample : 0I15055-CAL4
Misc : 1x
ALS Vial : 14 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 17 12:16:39 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units	
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld	
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld	
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld	
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld	
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld	
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld	
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld	
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld	
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld	
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld	
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld	
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld	
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld	
43)	Aroclor 1260 (1)	8.305	18403821	191.441	ng/ml	
44)	Aroclor 1260 (2)	8.513	22384970	194.905	ng/ml	
45)	Aroclor 1260 (3)	8.748	21639944	191.418	ng/ml	
46)	Aroclor 1260 (4)	9.252	32336142	196.845	ng/ml	✓
47)	Aroclor 1260 (5)	9.531	18165219	186.981	ng/ml	
48)	Aroclor 1260 (6)	10.140	7426542	191.762	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld	
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld	
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld	
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld	
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld	
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld	
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld	
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld	

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\requant\
Data File : ECD9_200915_17.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 03:33 pm
Operator :
Sample : 0I15055-CAL4
Misc : 1x
ALS Vial : 14 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 17 12:16:39 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

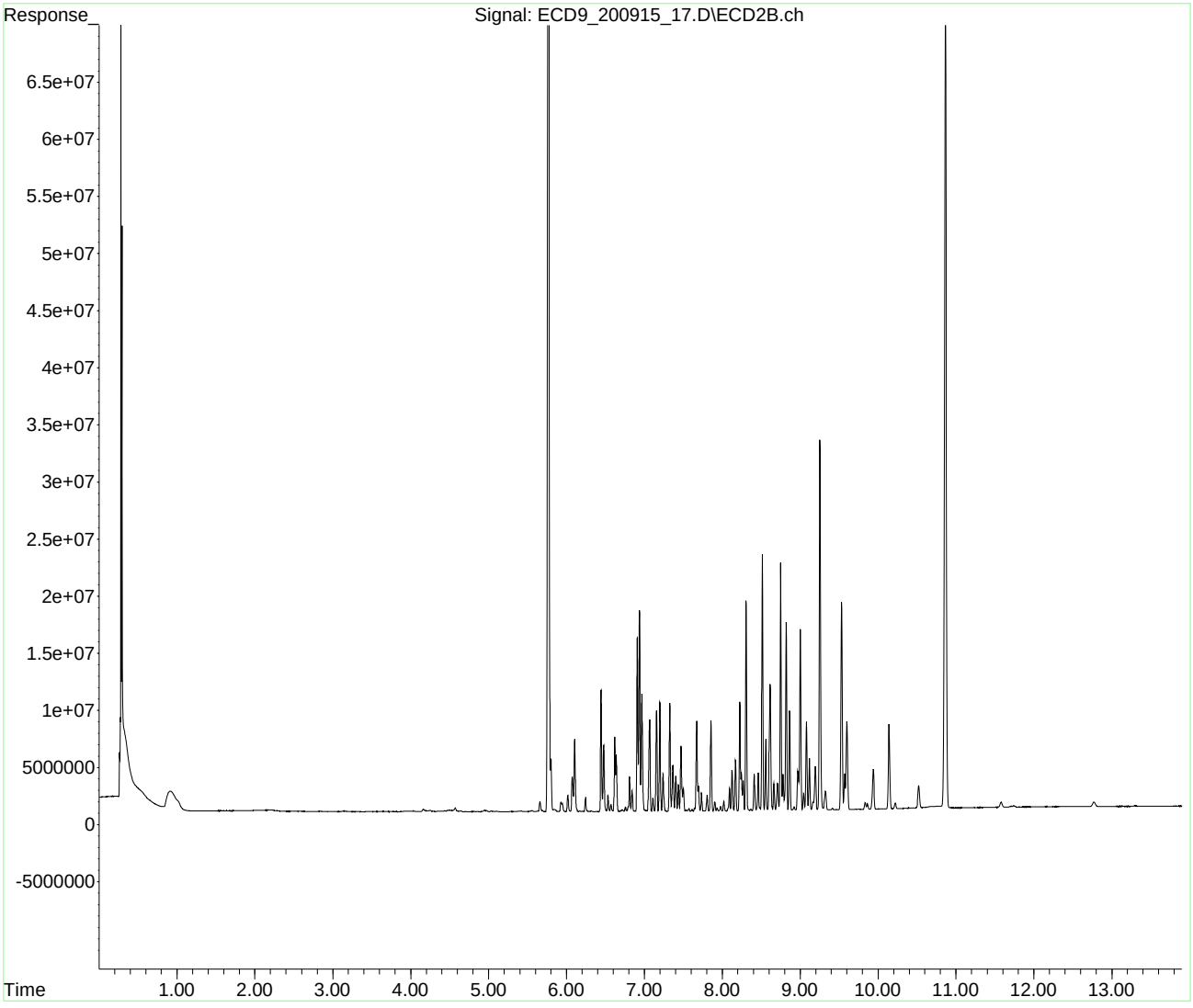
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\requant\
Data File : ECD9_200915_17.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 03:33 pm
Operator :
Sample : 0I15055-CAL4
Misc : 1x
ALS Vial : 14 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 17 12:16:39 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\requant\
Data File : ECD9_200915_19.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 03:51 pm
Operator :
Sample : 0I15055-CAL5
Misc : 1x
ALS Vial : 15 Sample Multiplier: 1

KAK 9/17/2020

Integration File: events.e
Quant Time: Sep 17 12:17:24 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units	
	System Monitoring Compounds					
1)	S TCMX (S)	5.766	403637973	252.428	ng/ml	✓
64)	S DCBP (S)	10.862	168003499	236.618	ng/ml	
	Target Compounds					
2)	Aroclor 1016 (1)	6.445	25394997	447.787	ng/ml	
3)	Aroclor 1016 (2)	6.937	42438246	467.483	ng/ml	
4)	Aroclor 1016 (3)	7.065	19797397	459.532	ng/ml	✓
5)	Aroclor 1016 (4)	7.154	20772020	445.408	ng/ml	
6)	Aroclor 1016 (5)	7.200	22738585	448.319	ng/ml	
7)	Aroclor 1016 (6)	7.325	22921162	459.658	ng/ml	
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml	
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld	
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld	
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld	
12)	Aroclor 1221 (4)	0.000	0	N.D.	ng/mld	
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld	
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld	
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld	
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld	
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld	
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld	
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld	
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld	
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld	
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld	
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld	
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld	
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld	
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld	

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\requant\
Data File : ECD9_200915_19.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 03:51 pm
Operator :
Sample : 0I15055-CAL5
Misc : 1x
ALS Vial : 15 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 17 12:17:24 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units	
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld	
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld	
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld	
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld	
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld	
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld	
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld	
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld	
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld	
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld	
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld	
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld	
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld	
43)	Aroclor 1260 (1)	8.305	44495233	462.851	ng/ml	
44)	Aroclor 1260 (2)	8.513	54188197	471.813	ng/ml	
45)	Aroclor 1260 (3)	8.748	54362314	480.866	ng/ml	
46)	Aroclor 1260 (4)	9.253	79508450	484.005	ng/ml	✓
47)	Aroclor 1260 (5)	9.531	46116930	474.697	ng/ml	
48)	Aroclor 1260 (6)	10.140	17650662	455.760	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld	
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld	
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld	
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld	
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld	
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld	
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld	
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld	

Data Path : Z:\1\data\2020-09\0I15055\requant\
Data File : ECD9_200915_19.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 03:51 pm
Operator :
Sample : 0I15055-CAL5
Misc : 1x
ALS Vial : 15 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 17 12:17:24 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

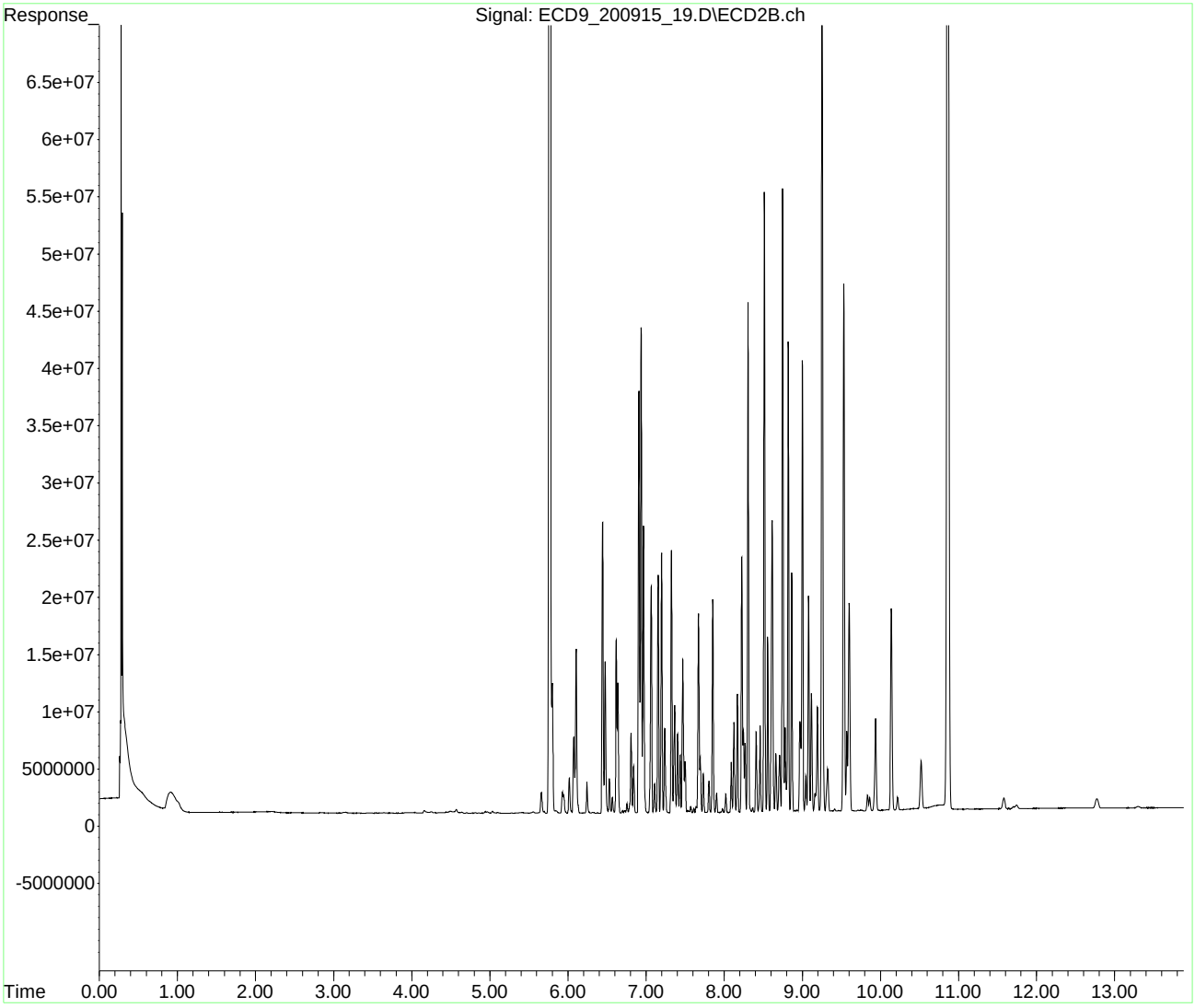
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\requant\
Data File : ECD9_200915_19.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 03:51 pm
Operator :
Sample : 0I15055-CAL5
Misc : 1x
ALS Vial : 15 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 17 12:17:24 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\requant\
Data File : ECD9_200915_21.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 04:09 pm
Operator :
Sample : 0I15055-CAL6 KAK 9/17/2020
Misc : 1x
ALS Vial : 16 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 17 12:18:12 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units	
	System Monitoring Compounds					
1)	S TCMX (S)	5.766	816580193	510.674	ng/ml	✓
64)	S DCBP (S)	10.863	361352714	508.934	ng/ml	
	Target Compounds					
2)	Aroclor 1016 (1)	6.445	51635229	910.478	ng/ml	
3)	Aroclor 1016 (2)	6.937	85248316	939.062	ng/ml	
4)	Aroclor 1016 (3)	7.066	37510868	870.692	ng/ml	✓
5)	Aroclor 1016 (4)	7.153	41182417	883.062	ng/ml	
6)	Aroclor 1016 (5)	7.199	44497961	877.332	ng/ml	
7)	Aroclor 1016 (6)	7.325	46234723	927.184	ng/ml	
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml	
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld	
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld	
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld	
12)	Aroclor 1221 (4)	0.000	0	N.D.	ng/mld	
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld	
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld	
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld	
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld	
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld	
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld	
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld	
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld	
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld	
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld	
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld	
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld	
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld	
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld	

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\requant\
Data File : ECD9_200915_21.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 04:09 pm
Operator :
Sample : 0I15055-CAL6
Misc : 1x
ALS Vial : 16 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 17 12:18:12 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units	
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld	
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld	
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld	
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld	
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld	
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld	
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld	
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld	
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld	
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld	
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld	
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld	
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld	
43)	Aroclor 1260 (1)	8.306	88597570	921.615	ng/ml	
44)	Aroclor 1260 (2)	8.514	104664152	911.304	ng/ml	
45)	Aroclor 1260 (3)	8.748	106884976	945.460	ng/ml	✓
46)	Aroclor 1260 (4)	9.253	161907376	985.605	ng/ml	
47)	Aroclor 1260 (5)	9.530	91264098	939.411	ng/ml	
48)	Aroclor 1260 (6)	10.140	33158398	856.188	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld	
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld	
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld	
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld	
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld	
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld	
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld	
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld	

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\requant\
Data File : ECD9_200915_21.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 04:09 pm
Operator :
Sample : 0I15055-CAL6
Misc : 1x
ALS Vial : 16 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 17 12:18:12 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

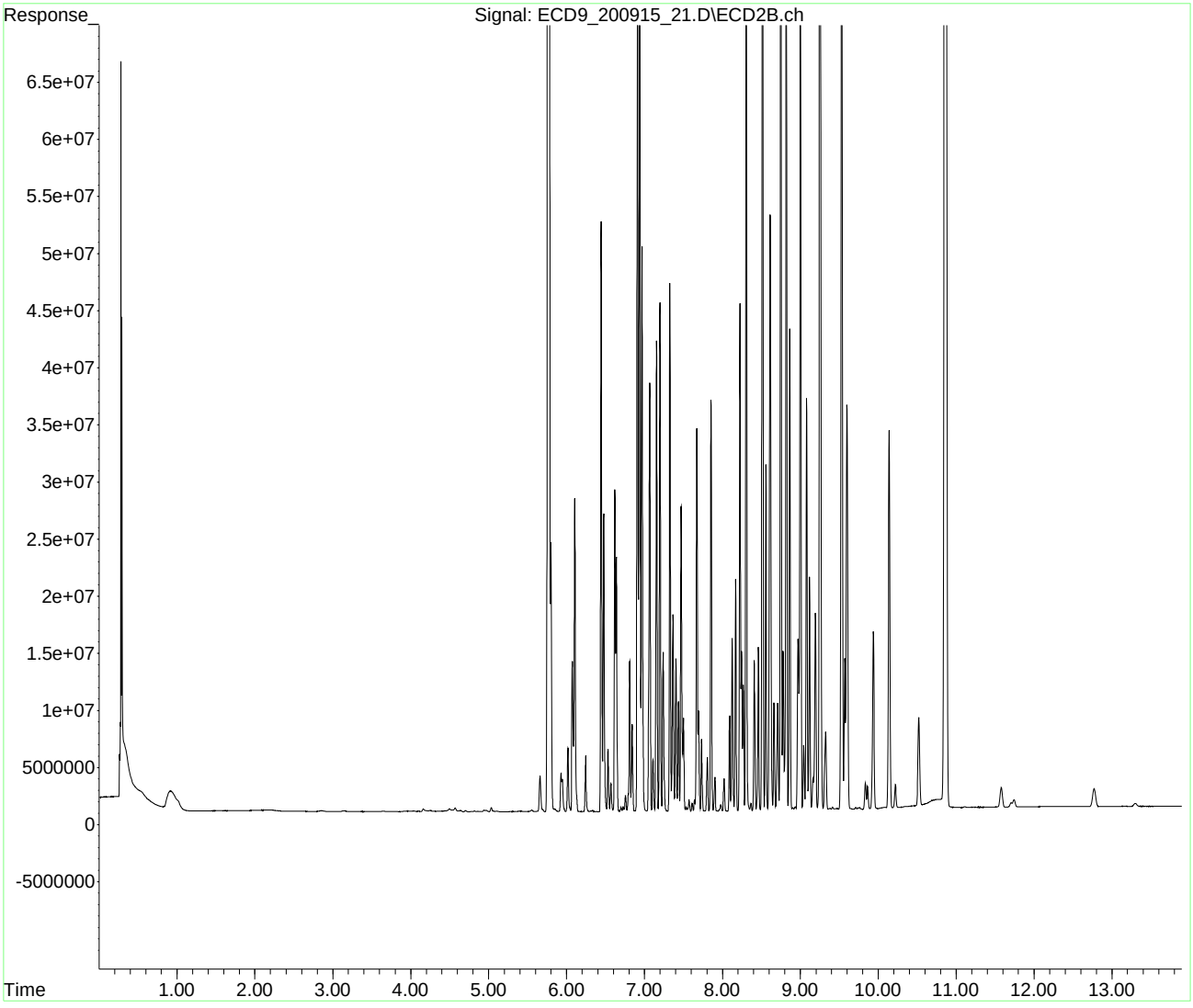
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\requant\
Data File : ECD9_200915_21.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 04:09 pm
Operator :
Sample : 0I15055-CAL6
Misc : 1x
ALS Vial : 16 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 17 12:18:12 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\requant\
Data File : ECD9_200915_23.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 04:27 pm
Operator :
Sample : 0I15055-CAL7
Misc : 1x
ALS Vial : 17 Sample Multiplier: 1

KAK 9/17/2020

Integration File: events.e
Quant Time: Sep 17 12:19:02 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units	
	System Monitoring Compounds					
1)	S TCMX (S)	5.767	1297471325	811.415	ng/ml	✓
64)	S DCBP (S)	10.864	587179062	826.991	ng/ml	
	Target Compounds					
2)	Aroclor 1016 (1)	6.446	74711775	1317.384	ng/ml	
3)	Aroclor 1016 (2)	6.938	130352515	1435.912	ng/ml	
4)	Aroclor 1016 (3)	7.066	58252744	1352.147	ng/ml	
5)	Aroclor 1016 (4)	7.154	59545962	1276.826	ng/ml	✓
6)	Aroclor 1016 (5)	7.199	68227774	1345.194	ng/ml	
7)	Aroclor 1016 (6)	7.326	65227818	1308.069	ng/ml	
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml	
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld	
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld	
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld	
12)	Aroclor 1221 (4)	0.000	0	N.D.	ng/mld	
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld	
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld	
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld	
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld	
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld	
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld	
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld	
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld	
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld	
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld	
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld	
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld	
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld	
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld	

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\requant\
Data File : ECD9_200915_23.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 04:27 pm
Operator :
Sample : 0I15055-CAL7
Misc : 1x
ALS Vial : 17 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 17 12:19:02 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units	
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld	
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld	
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld	
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld	
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld	
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld	
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld	
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld	
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld	
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld	
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld	
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld	
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld	
43)	Aroclor 1260 (1)	8.306	133146723	1385.027	ng/ml	
44)	Aroclor 1260 (2)	8.515	166517887	1449.861	ng/ml	
45)	Aroclor 1260 (3)	8.749	163195169	1443.556	ng/ml	
46)	Aroclor 1260 (4)	9.253	236761182	1441.275	ng/ml	✓
47)	Aroclor 1260 (5)	9.531	142482366	1466.618	ng/ml	
48)	Aroclor 1260 (6)	10.141	52539359	1356.627	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld	
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld	
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld	
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld	
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld	
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld	
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld	
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld	

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\requant\
Data File : ECD9_200915_23.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 04:27 pm
Operator :
Sample : 0I15055-CAL7
Misc : 1x
ALS Vial : 17 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 17 12:19:02 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

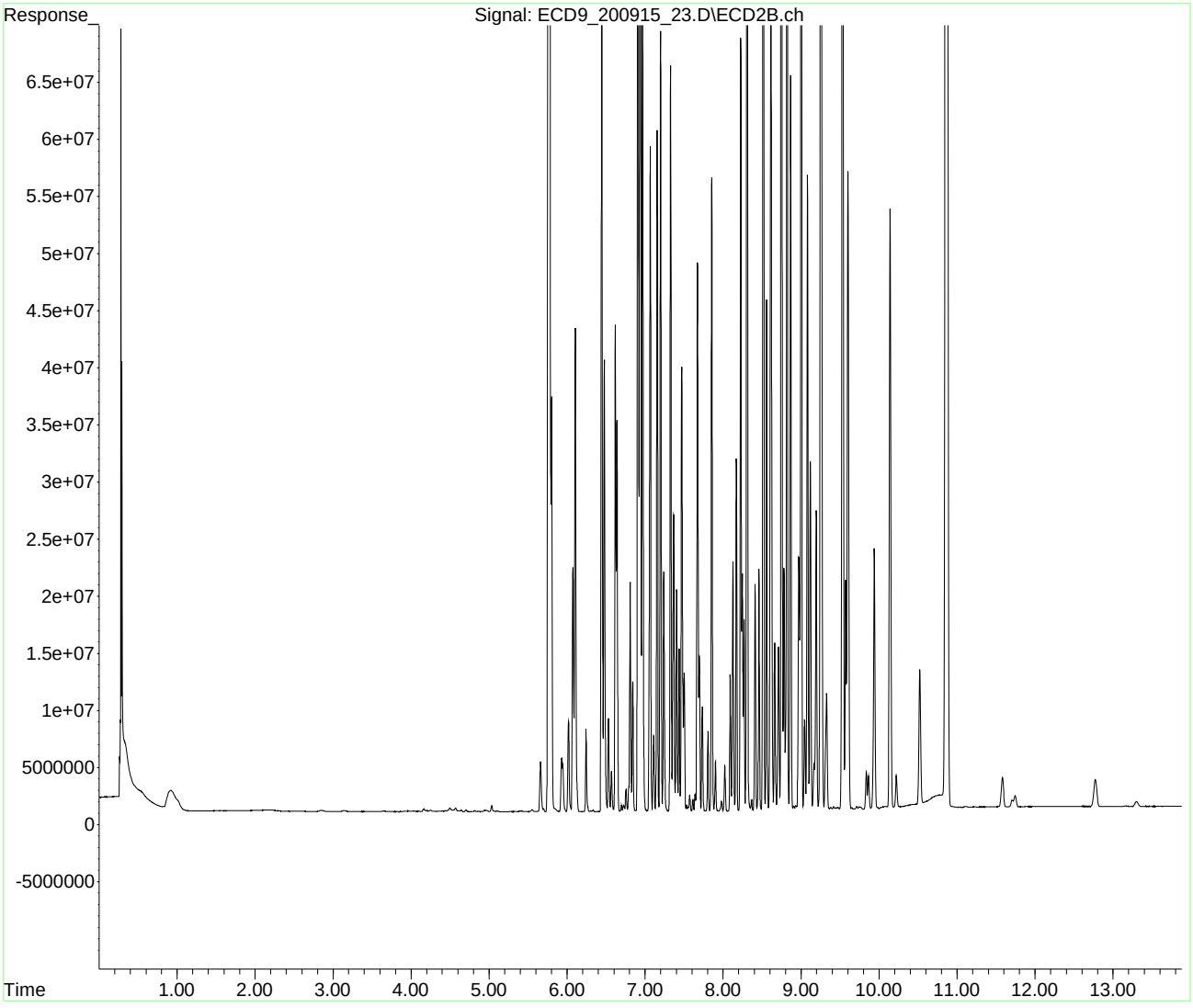
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\requant\
Data File : ECD9_200915_23.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 04:27 pm
Operator :
Sample : 0I15055-CAL7
Misc : 1x
ALS Vial : 17 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 17 12:19:02 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Thu Sep 17 12:03:17 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Injection Log

Data Directory: Z:\1\data\2020-09\0I15055\

KAK 9/17/2020

File ID	SampleName	MiscInfo	Vial	Dil.	Injection Time
ECD9_200915_01.D	Hexane	1x	1	1	15 Sep 2020 12:36 pm
ECD9_200915_03.D	Hexane	1x	1	1	15 Sep 2020 12:54 pm
ECD9_200915_05.D	0I15055-CCV1	1x	3	1	15 Sep 2020 01:12 pm
ECD9_200915_07.D	0I15055-CCB1	1x	5	1	15 Sep 2020 01:30 pm
ECD9_200915_09.D	0I15055-ICB1	1x	5	1	15 Sep 2020 02:22 pm
ECD9_200915_11.D	0I15055-CAL1	1x	11	1	15 Sep 2020 02:40 pm
ECD9_200915_13.D	0I15055-CAL2	1x	12	1	15 Sep 2020 02:58 pm
ECD9_200915_15.D	0I15055-CAL3	1x	13	1	15 Sep 2020 03:15 pm
ECD9_200915_17.D	0I15055-CAL4	1x	14	1	15 Sep 2020 03:33 pm
ECD9_200915_19.D	0I15055-CAL5	1x	15	1	15 Sep 2020 03:51 pm
ECD9_200915_21.D	0I15055-CAL6	1x	16	1	15 Sep 2020 04:09 pm
ECD9_200915_23.D	0I15055-CAL7	1x	17	1	15 Sep 2020 04:27 pm
ECD9_200915_25.D	0I15055-IBL1	1x	1	1	15 Sep 2020 04:45 pm
ECD9_200915_27.D	0I15055-ICV1		18	1	15 Sep 2020 05:03 pm
ECD9_200915_29.D	0I15055-CAL8		19	1	15 Sep 2020 05:21 pm
ECD9_200915_31.D	0I15055-CAL9		20	1	15 Sep 2020 05:39 pm
ECD9_200915_33.D	0I15055-CALA		21	1	15 Sep 2020 05:56 pm
ECD9_200915_35.D	0I15055-CALB		22	1	15 Sep 2020 06:14 pm
ECD9_200915_37.D	0I15055-CALC		23	1	15 Sep 2020 06:32 pm
ECD9_200915_39.D	0I15055-CALD		24	1	15 Sep 2020 06:50 pm
ECD9_200915_41.D	0I15055-CALE		25	1	15 Sep 2020 07:08 pm
ECD9_200915_43.D	0I15055-ICV2		26	1	15 Sep 2020 07:26 pm
ECD9_200915_45.D	0I15055-ICV3		27	1	15 Sep 2020 07:44 pm
ECD9_200915_47.D	0I15055-ICV4		28	1	15 Sep 2020 08:02 pm
ECD9_200915_49.D	0I15055-ICV5		29	1	15 Sep 2020 08:20 pm

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_11.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 02:40 pm
Operator :
Sample : 0I15055-CAL1
Misc : 1x
ALS Vial : 11 Sample Multiplier: 1

KAK 9/17/2020

Integration File: events.e
Quant Time: Sep 16 12:03:33 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 15 12:16:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	5.765	15318713	10.185	ng/ml
64)	S DCBP (S)	10.864	7255594	10.991	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.445	1421961	26.441	ng/ml
3)	Aroclor 1016 (2)	6.938	2055115	23.741	ng/ml
4)	Aroclor 1016 (3)	7.066	1062102	25.592	ng/ml
5)	Aroclor 1016 (4)	7.154	1186017	29.433	ng/ml
6)	Aroclor 1016 (5)	7.199	1276460	29.895	ng/ml
7)	Aroclor 1016 (6)	7.326	1225054	26.158	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 (4)	0.000	0	N.D.	ng/mld
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_11.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 02:40 pm
Operator :
Sample : 0I15055-CAL1
Misc : 1x
ALS Vial : 11 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 16 12:03:33 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 15 12:16:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	8.306	2287238	25.184	ng/ml
44)	Aroclor 1260 (2)	8.514	2618678	24.065	ng/ml
45)	Aroclor 1260 (3)	8.749	2540989	24.053	ng/ml
46)	Aroclor 1260 (4)	9.254	3468598	21.959	ng/ml
47)	Aroclor 1260 (5)	9.531	2208139	24.001	ng/ml
48)	Aroclor 1260 (6)	10.141	958372	26.267	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_11.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 02:40 pm
Operator :
Sample : 0I15055-CAL1
Misc : 1x
ALS Vial : 11 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 16 12:03:33 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 15 12:16:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

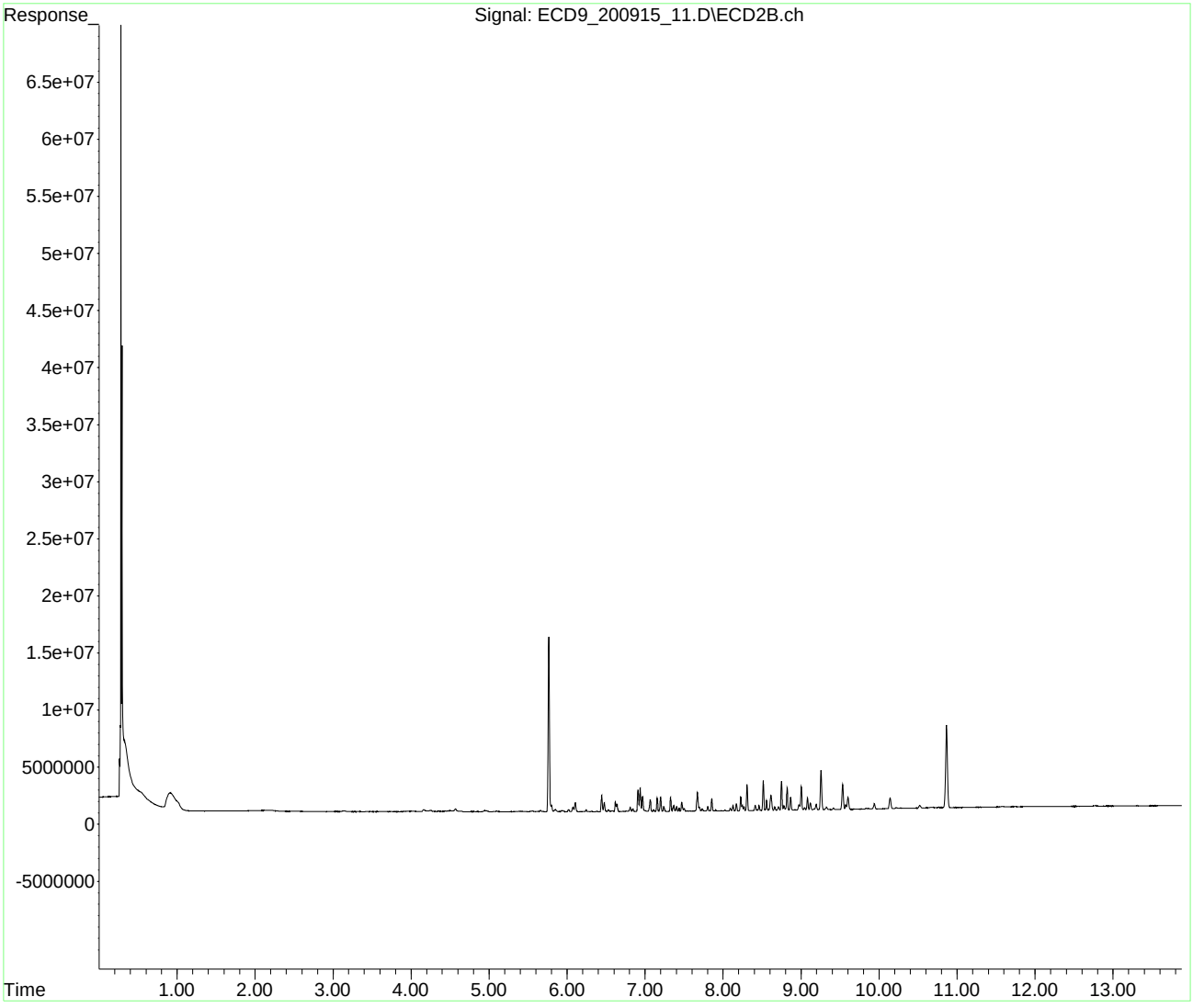
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_11.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 02:40 pm
Operator :
Sample : 0I15055-CAL1
Misc : 1x
ALS Vial : 11 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 16 12:03:33 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 15 12:16:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_13.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 02:58 pm
Operator :
Sample : 0I15055-CAL2
Misc : 1x
ALS Vial : 12 Sample Multiplier: 1

KAK 9/17/2020

Integration File: events.e
Quant Time: Sep 16 12:04:29 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 15 12:16:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	5.765	39671191	26.375	ng/ml
64)	S DCBP (S)	10.863	17638940	26.721	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.445	3125541	58.118	ng/ml
3)	Aroclor 1016 (2)	6.938	4809232	55.558	ng/ml
4)	Aroclor 1016 (3)	7.066	2362528	56.926	ng/ml
5)	Aroclor 1016 (4)	7.154	2649767	65.759	ng/ml
6)	Aroclor 1016 (5)	7.199	2870001	67.215	ng/ml
7)	Aroclor 1016 (6)	7.325	2792685	59.631	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 (4)	0.000	0	N.D.	ng/mld
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_13.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 02:58 pm
Operator :
Sample : 0I15055-CAL2
Misc : 1x
ALS Vial : 12 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 16 12:04:29 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 15 12:16:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	8.306	5074049	55.868	ng/ml
44)	Aroclor 1260 (2)	8.513	6172285	56.722	ng/ml
45)	Aroclor 1260 (3)	8.749	5911953	55.961	ng/ml
46)	Aroclor 1260 (4)	9.253	8514952	53.906	ng/ml
47)	Aroclor 1260 (5)	9.531	5167629	56.169	ng/ml
48)	Aroclor 1260 (6)	10.140	2167449	59.406	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_13.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 02:58 pm
Operator :
Sample : 0I15055-CAL2
Misc : 1x
ALS Vial : 12 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 16 12:04:29 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 15 12:16:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

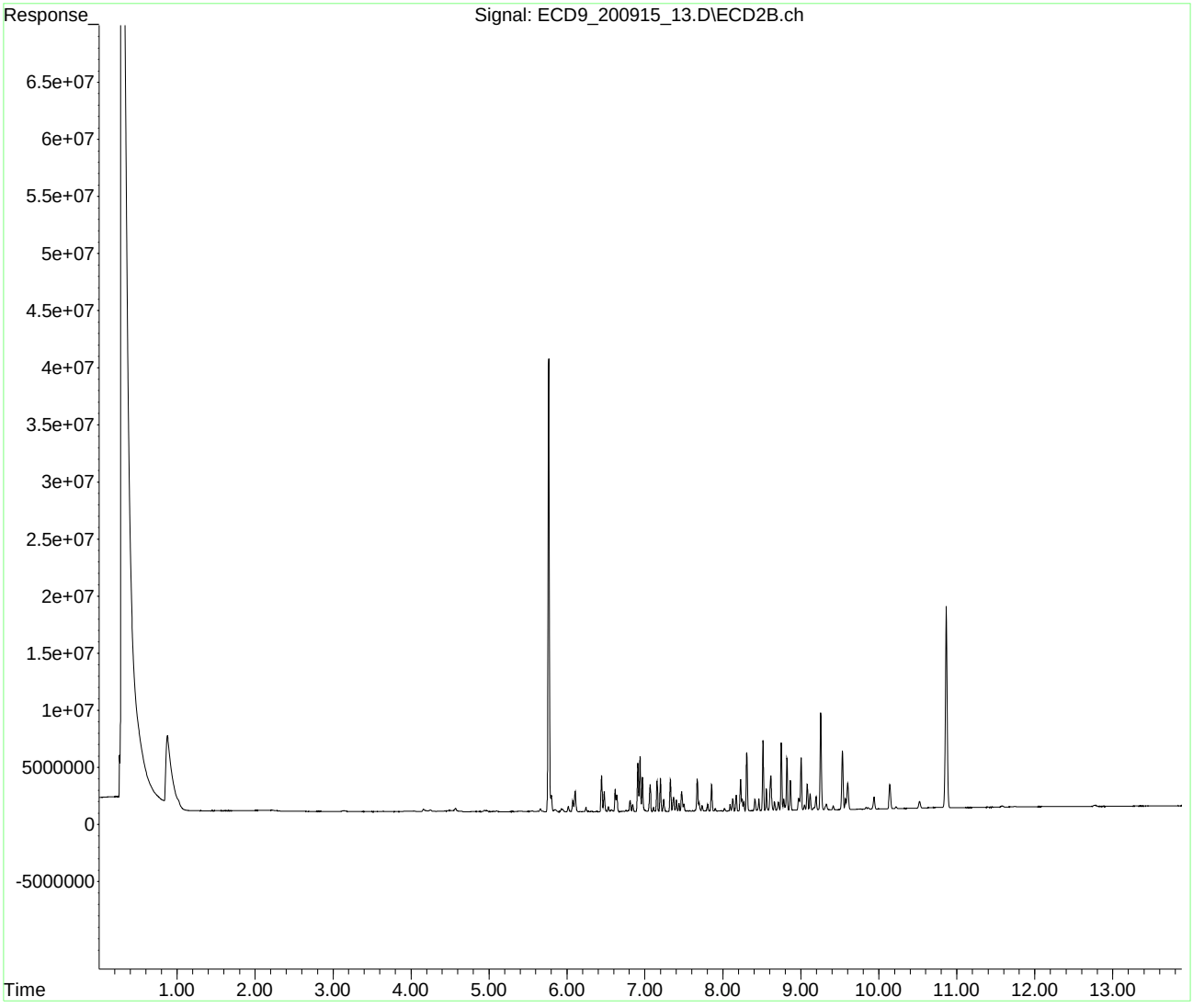
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_13.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 02:58 pm
Operator :
Sample : 0I15055-CAL2
Misc : 1x
ALS Vial : 12 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 16 12:04:29 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 15 12:16:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_15.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 03:15 pm
Operator :
Sample : 0I15055-CAL3
Misc : 1x
ALS Vial : 13 Sample Multiplier: 1

KAK 9/17/2020

Integration File: events.e
Quant Time: Sep 16 12:05:34 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 15 12:16:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	5.765	79817050	53.066	ng/ml
64)	S DCBP (S)	10.862	34765458	52.666	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.445	5784469	107.560	ng/ml
3)	Aroclor 1016 (2)	6.937	9149174	105.694	ng/ml
4)	Aroclor 1016 (3)	7.065	4500137	108.432	ng/ml
5)	Aroclor 1016 (4)	7.153	4766402	118.288	ng/ml
6)	Aroclor 1016 (5)	7.199	5055043	118.389	ng/ml
7)	Aroclor 1016 (6)	7.325	4902416	104.679	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 (4)	0.000	0	N.D.	ng/mld
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_15.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 03:15 pm
Operator :
Sample : 0I15055-CAL3
Misc : 1x
ALS Vial : 13 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 16 12:05:34 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 15 12:16:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	8.306	9871636	108.691	ng/ml
44)	Aroclor 1260 (2)	8.513	11359951	104.395	ng/ml
45)	Aroclor 1260 (3)	8.748	11346111	107.400	ng/ml
46)	Aroclor 1260 (4)	9.252	16572948	104.919	ng/ml
47)	Aroclor 1260 (5)	9.530	9698027	105.411	ng/ml
48)	Aroclor 1260 (6)	10.141	3920930	107.465	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_15.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 03:15 pm
Operator :
Sample : 0I15055-CAL3
Misc : 1x
ALS Vial : 13 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 16 12:05:34 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 15 12:16:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

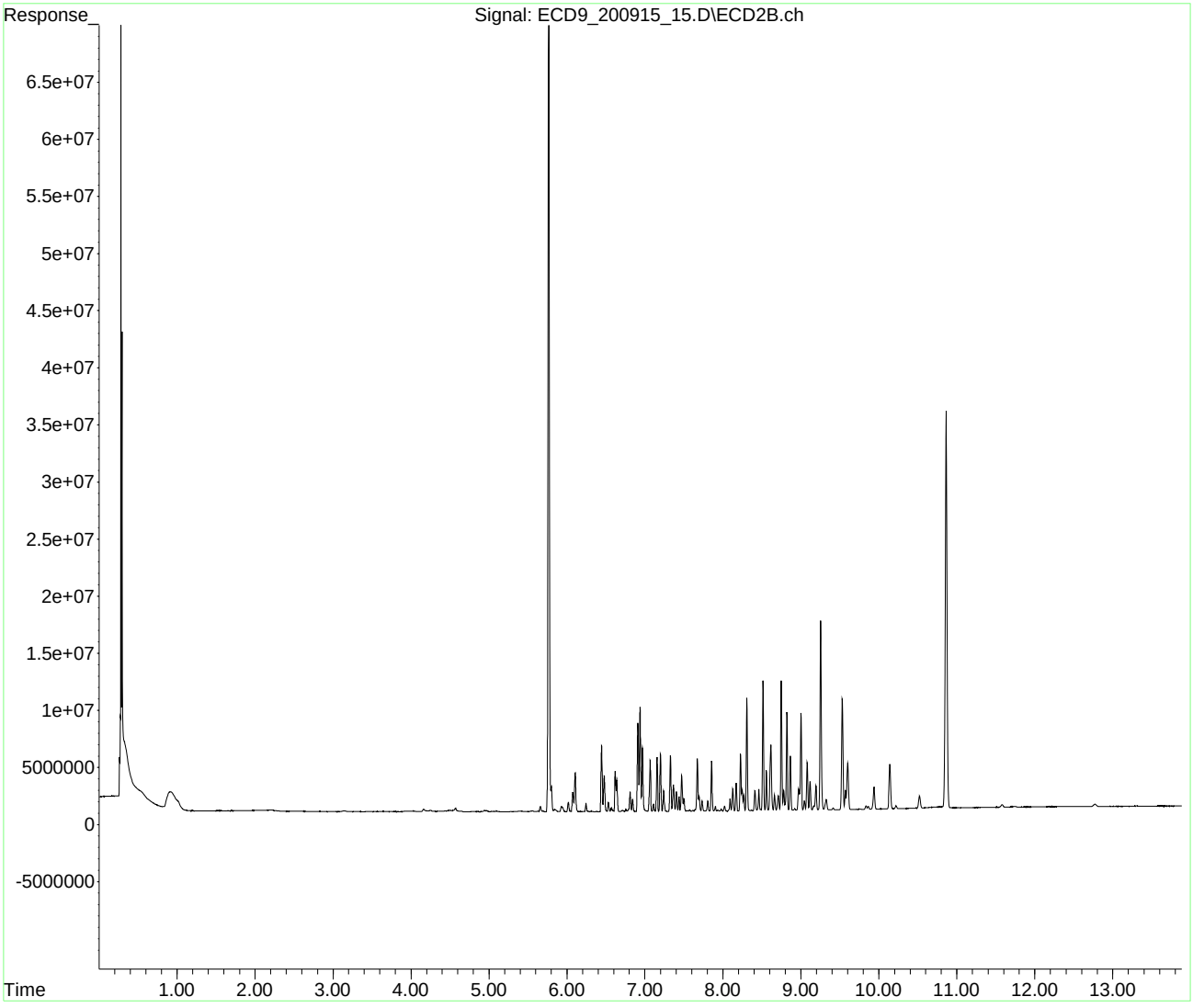
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_15.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 03:15 pm
Operator :
Sample : 0I15055-CAL3
Misc : 1x
ALS Vial : 13 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 16 12:05:34 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 15 12:16:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_17.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 03:33 pm
Operator :
Sample : 0I15055-CAL4
Misc : 1x
ALS Vial : 14 Sample Multiplier: 1

KAK 9/17/2020

Integration File: events.e
Quant Time: Sep 16 12:06:35 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 15 12:16:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	5.766	160855104	106.943	ng/ml
64)	S DCBP (S)	10.863	71501138	108.316	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.445	10659795	198.216	ng/ml
3)	Aroclor 1016 (2)	6.938	17600722	203.328	ng/ml
4)	Aroclor 1016 (3)	7.066	8054750	194.082	ng/ml
5)	Aroclor 1016 (4)	7.154	8813492	218.724	ng/ml
6)	Aroclor 1016 (5)	7.199	9560771	223.912	ng/ml
7)	Aroclor 1016 (6)	7.325	9473446	202.283	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 (4)	0.000	0	N.D.	ng/mld
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_17.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 03:33 pm
Operator :
Sample : 0I15055-CAL4
Misc : 1x
ALS Vial : 14 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 16 12:06:35 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 15 12:16:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	8.305	18403821	202.635	ng/ml
44)	Aroclor 1260 (2)	8.513	22384970	205.712	ng/ml
45)	Aroclor 1260 (3)	8.748	21639944	204.840	ng/ml
46)	Aroclor 1260 (4)	9.252	32336142	204.711	ng/ml
47)	Aroclor 1260 (5)	9.531	18165219	197.443	ng/ml
48)	Aroclor 1260 (6)	10.140	7426542	203.548	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_17.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 03:33 pm
Operator :
Sample : 0I15055-CAL4
Misc : 1x
ALS Vial : 14 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 16 12:06:35 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 15 12:16:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

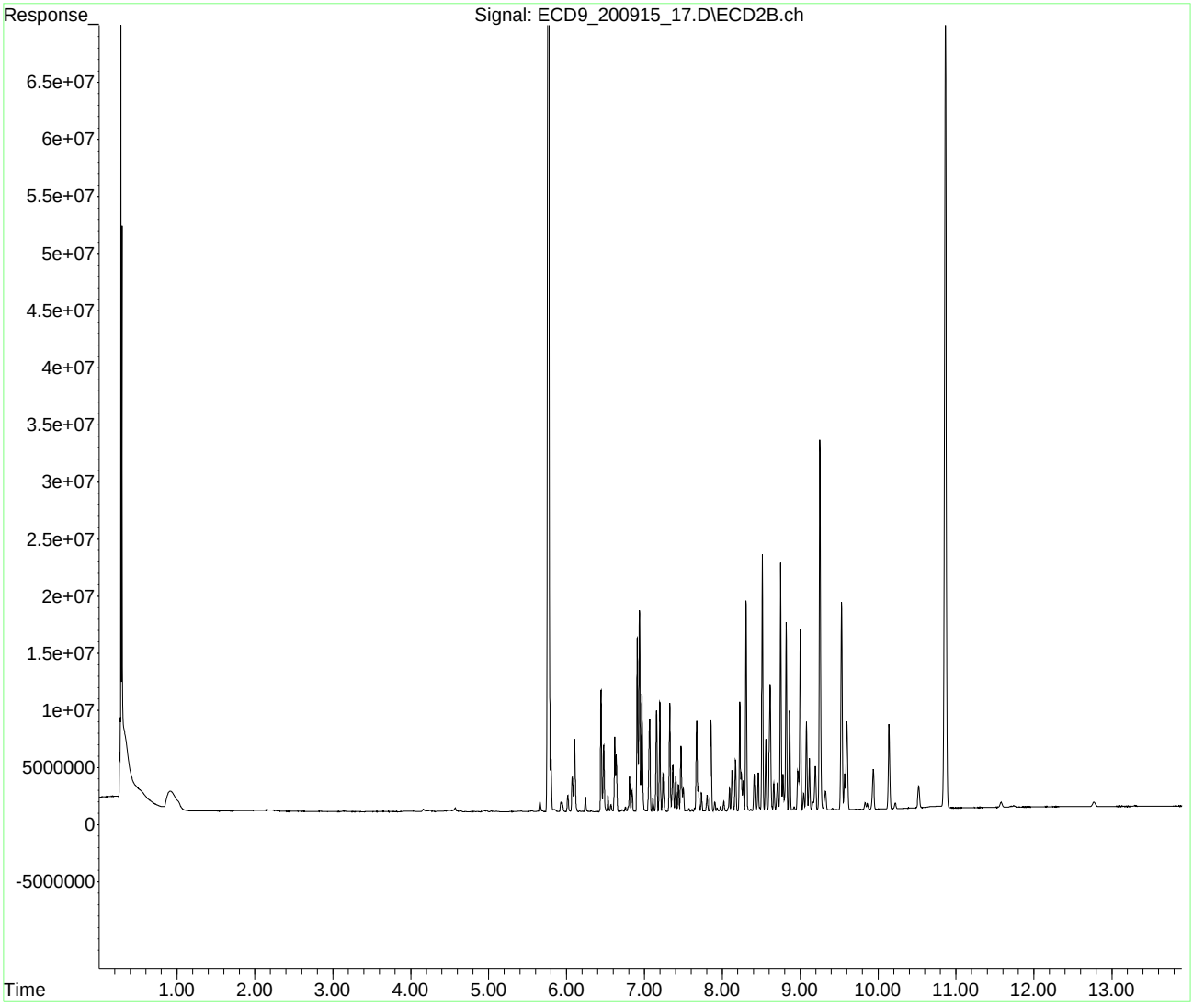
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_17.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 03:33 pm
Operator :
Sample : 0I15055-CAL4
Misc : 1x
ALS Vial : 14 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 16 12:06:35 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 15 12:16:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_19.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 03:51 pm
Operator :
Sample : 0I15055-CAL5
Misc : 1x
ALS Vial : 15 Sample Multiplier: 1

KAK 9/17/2020

Integration File: events.e
Quant Time: Sep 16 12:07:51 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 15 12:16:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	5.766	403637973	268.356	ng/ml
64)	S DCBP (S)	10.862	168003499	254.506	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.445	25394997	472.212	ng/ml
3)	Aroclor 1016 (2)	6.937	42438246	490.258	ng/ml
4)	Aroclor 1016 (3)	7.065	19797397	477.025	ng/ml
5)	Aroclor 1016 (4)	7.154	20772020	515.499	ng/ml
6)	Aroclor 1016 (5)	7.200	22738585	532.535	ng/ml
7)	Aroclor 1016 (6)	7.325	22921162	489.427	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 (4)	0.000	0	N.D.	ng/mld
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_19.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 03:51 pm
Operator :
Sample : 0I15055-CAL5
Misc : 1x
ALS Vial : 15 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 16 12:07:51 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 15 12:16:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	8.305	44495233	489.914	ng/ml
44)	Aroclor 1260 (2)	8.513	54188197	497.976	ng/ml
45)	Aroclor 1260 (3)	8.748	54362314	514.584	ng/ml
46)	Aroclor 1260 (4)	9.253	79508450	503.345	ng/ml
47)	Aroclor 1260 (5)	9.531	46116930	501.259	ng/ml
48)	Aroclor 1260 (6)	10.140	17650662	483.772	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_19.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 03:51 pm
Operator :
Sample : 0I15055-CAL5
Misc : 1x
ALS Vial : 15 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 16 12:07:51 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 15 12:16:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

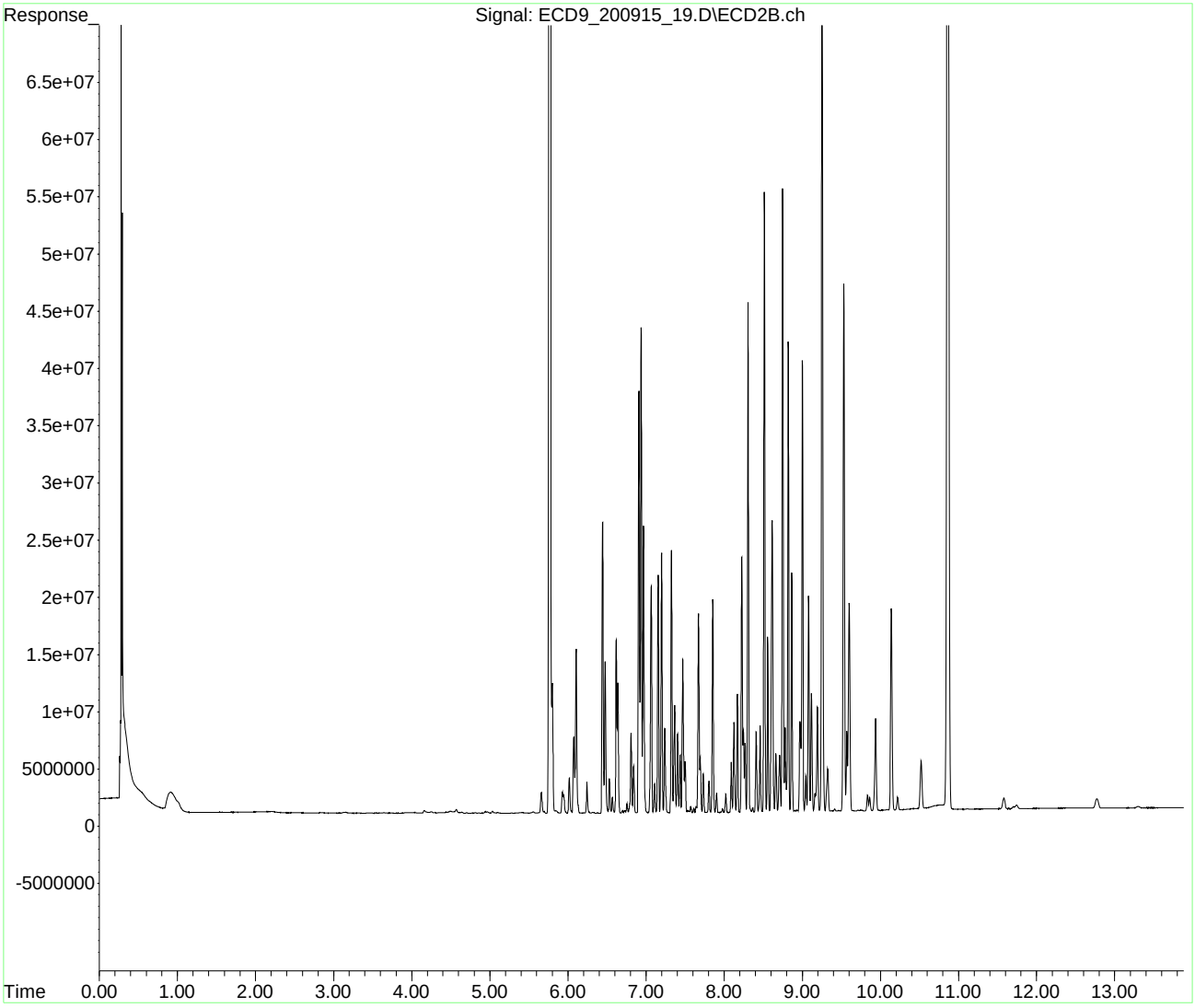
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_19.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 03:51 pm
Operator :
Sample : 0I15055-CAL5
Misc : 1x
ALS Vial : 15 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 16 12:07:51 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 15 12:16:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_21.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 04:09 pm
Operator :
Sample : 0I15055-CAL6
Misc : 1x
ALS Vial : 16 Sample Multiplier: 1

KAK 9/17/2020

Integration File: events.e
Quant Time: Sep 16 12:08:56 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 15 12:16:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	5.766	816580193	542.897	ng/ml
64)	S DCBP (S)	10.863	361352714	547.407	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.445	51635229	960.141	ng/ml
3)	Aroclor 1016 (2)	6.937	85248316	984.812	ng/ml
4)	Aroclor 1016 (3)	7.066	37510868	903.837	ng/ml
5)	Aroclor 1016 (4)	7.153	41182417	1022.024	ng/ml
6)	Aroclor 1016 (5)	7.199	44497961	1042.138	ng/ml
7)	Aroclor 1016 (6)	7.325	46234723	987.232	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 (4)	0.000	0	N.D.	ng/mld
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_21.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 04:09 pm
Operator :
Sample : 0I15055-CAL6
Misc : 1x
ALS Vial : 16 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 16 12:08:56 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 15 12:16:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	8.306	88597570	975.501	ng/ml
44)	Aroclor 1260 (2)	8.514	104664152	961.838	ng/ml
45)	Aroclor 1260 (3)	8.748	106884976	1011.754	ng/ml
46)	Aroclor 1260 (4)	9.253	161907376	1024.989	ng/ml
47)	Aroclor 1260 (5)	9.530	91264098	991.978	ng/ml
48)	Aroclor 1260 (6)	10.140	33158398	908.810	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_21.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 04:09 pm
Operator :
Sample : 0I15055-CAL6
Misc : 1x
ALS Vial : 16 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 16 12:08:56 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 15 12:16:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

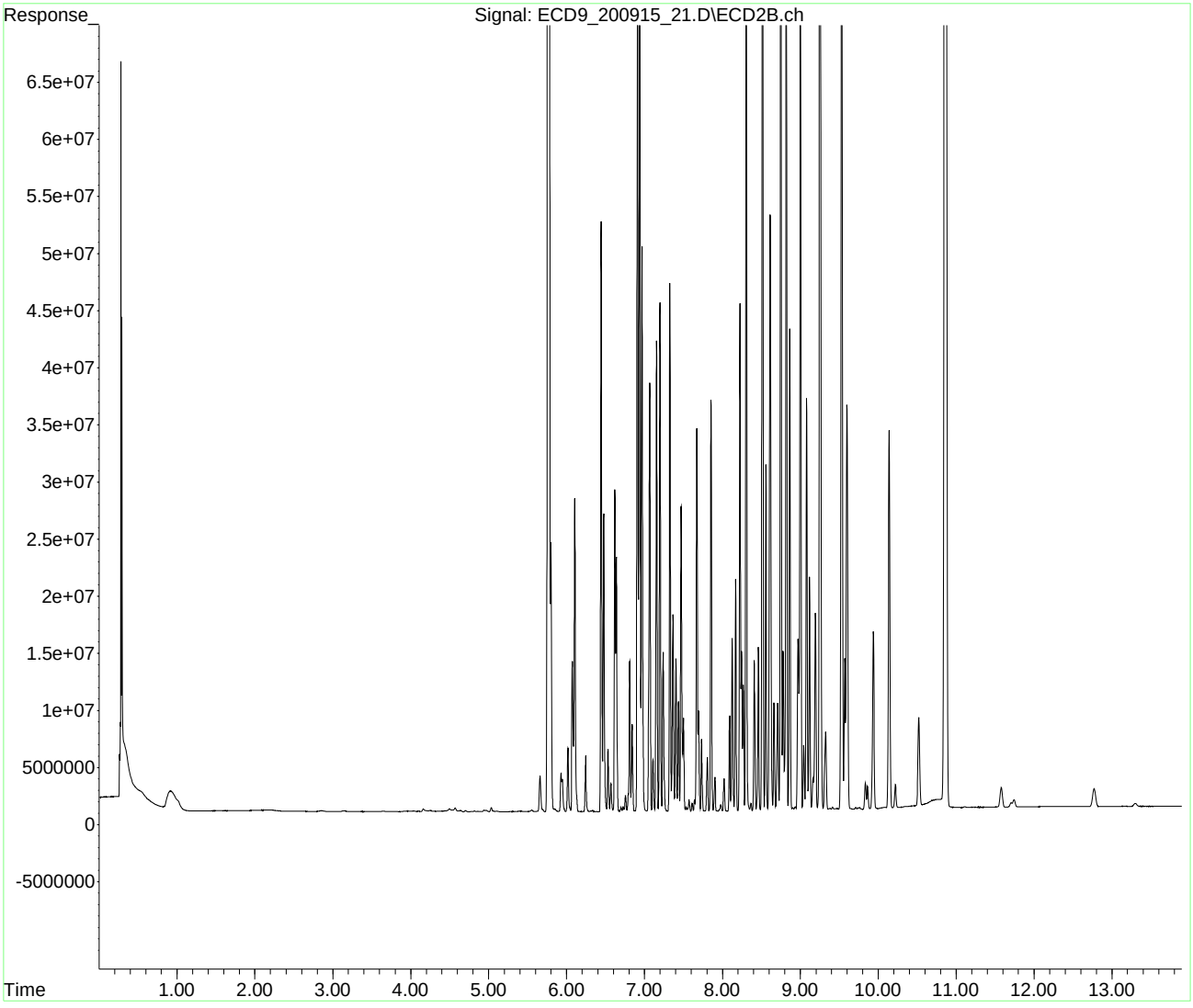
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_21.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 04:09 pm
Operator :
Sample : 0I15055-CAL6
Misc : 1x
ALS Vial : 16 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 16 12:08:56 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 15 12:16:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_23.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 04:27 pm
Operator :
Sample : 0I15055-CAL7
Misc : 1x
ALS Vial : 17 Sample Multiplier: 1

KAK 9/17/2020

Integration File: events.e
Quant Time: Sep 16 12:10:04 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 15 12:16:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	5.767	1297471325	862.614	ng/ml
64)	S DCBP (S)	10.864	587179062	889.507	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	6.446	74711775	1389.242	ng/ml
3)	Aroclor 1016 (2)	6.938	130352515	1505.867	ng/ml
4)	Aroclor 1016 (3)	7.066	58252744	1403.620	ng/ml
5)	Aroclor 1016 (4)	7.154	59545962	1477.752	ng/ml
6)	Aroclor 1016 (5)	7.199	68227774	1597.888	ng/ml
7)	Aroclor 1016 (6)	7.326	65227818	1392.784	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 (4)	0.000	0	N.D.	ng/mld
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_23.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 04:27 pm
Operator :
Sample : 0I15055-CAL7
Misc : 1x
ALS Vial : 17 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 16 12:10:04 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 15 12:16:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	8.306	133146723	1466.009	ng/ml
44)	Aroclor 1260 (2)	8.515	166517887	1530.258	ng/ml
45)	Aroclor 1260 (3)	8.749	163195169	1544.776	ng/ml
46)	Aroclor 1260 (4)	9.253	236761182	1498.867	ng/ml
47)	Aroclor 1260 (5)	9.531	142482366	1548.685	ng/ml
48)	Aroclor 1260 (6)	10.141	52539359	1440.006	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_23.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 04:27 pm
Operator :
Sample : 0I15055-CAL7
Misc : 1x
ALS Vial : 17 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 16 12:10:04 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 15 12:16:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

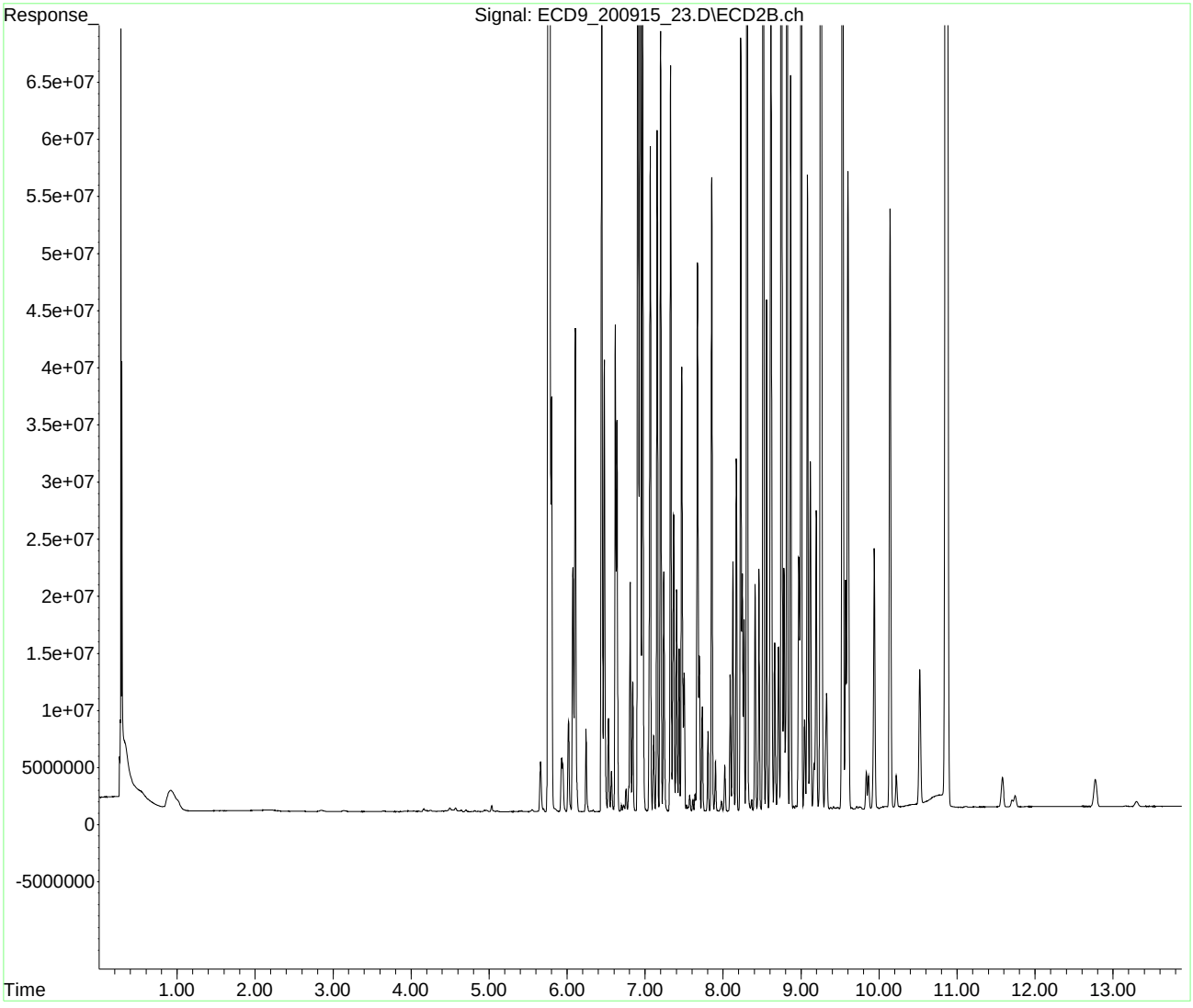
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_23.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 04:27 pm
Operator :
Sample : 0I15055-CAL7
Misc : 1x
ALS Vial : 17 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 16 12:10:04 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 15 12:16:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_29.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 05:21 pm
Operator :
Sample : 0I15055-CAL8
Misc :
ALS Vial : 19 Sample Multiplier: 1

KAK 9/17/2020

Integration File: events.e
Quant Time: Sep 16 12:11:54 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 15 12:16:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	0.000	0	N.D.	ng/mld
64) S	DCBP (S)	0.000	0	N.D.	ng/mld
	Target Compounds				
2)	Aroclor 1016 (1)	0.000	0	N.D.	ng/mld
3)	Aroclor 1016 (2)	0.000	0	N.D.	ng/mld
4)	Aroclor 1016 (3)	0.000	0	N.D.	ng/mld
5)	Aroclor 1016 (4)	0.000	0	N.D.	ng/mld
6)	Aroclor 1016 (5)	0.000	0	N.D.	ng/mld
7)	Aroclor 1016 (6)	0.000	0	N.D.	ng/mld
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/mld
9)	Aroclor 1221 (1)	5.945	5500807	500.994	ng/ml
10)	Aroclor 1221 (2)	6.018	5553025	514.878	ng/ml
11)	Aroclor 1221 (3)	6.106	18274697	516.501	ng/ml
12)	Aroclor 1221 (4)	6.621	3955532	514.341	ng/ml
13)	Aroclor 1221 (5)	6.937	3007125	506.068	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_29.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 05:21 pm
Operator :
Sample : 0I15055-CAL8
Misc :
ALS Vial : 19 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 16 12:11:54 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 15 12:16:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	0.000	0	N.D.	ng/mld
44)	Aroclor 1260 (2)	0.000	0	N.D.	ng/mld
45)	Aroclor 1260 (3)	0.000	0	N.D.	ng/mld
46)	Aroclor 1260 (4)	0.000	0	N.D.	ng/mld
47)	Aroclor 1260 (5)	0.000	0	N.D.	ng/mld
48)	Aroclor 1260 (6)	0.000	0	N.D.	ng/mld
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_29.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 05:21 pm
Operator :
Sample : 0I15055-CAL8
Misc :
ALS Vial : 19 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 16 12:11:54 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 15 12:16:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

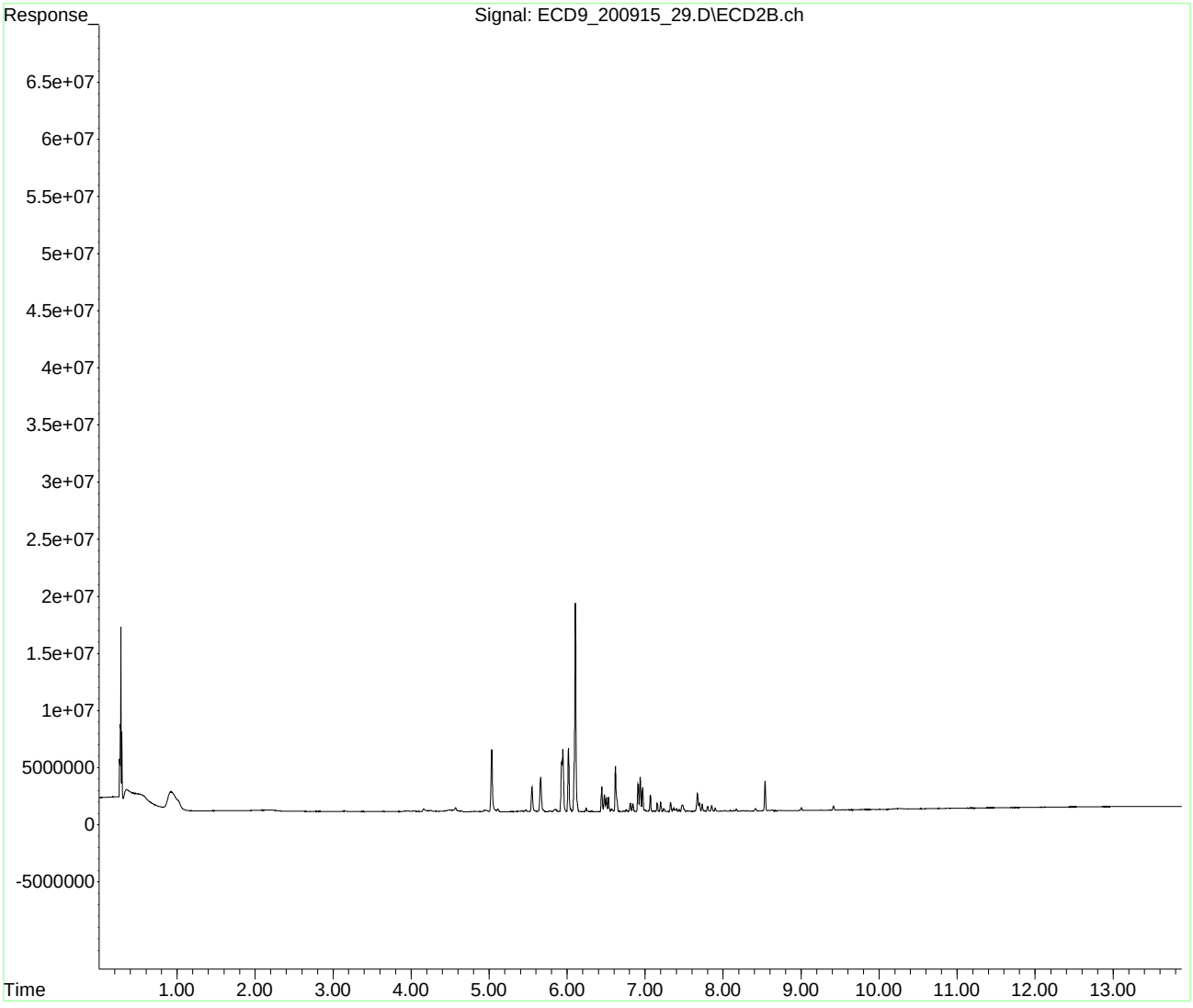
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_29.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 05:21 pm
Operator :
Sample : 0I15055-CAL8
Misc :
ALS Vial : 19 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 16 12:11:54 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 15 12:16:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_31.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 05:39 pm
Operator :
Sample : 0I15055-CAL9
Misc :
ALS Vial : 20 Sample Multiplier: 1

KAK 9/17/2020

Integration File: events.e
Quant Time: Sep 16 12:12:35 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 15 12:16:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	0.000	0	N.D.	ng/mld
64) S	DCBP (S)	0.000	0	N.D.	ng/mld
	Target Compounds				
2)	Aroclor 1016 (1)	0.000	0	N.D.	ng/mld
3)	Aroclor 1016 (2)	0.000	0	N.D.	ng/mld
4)	Aroclor 1016 (3)	0.000	0	N.D.	ng/mld
5)	Aroclor 1016 (4)	0.000	0	N.D.	ng/mld
6)	Aroclor 1016 (5)	0.000	0	N.D.	ng/mld
7)	Aroclor 1016 (6)	0.000	0	N.D.	ng/mld
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/mld
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 (4)	0.000	0	N.D.	ng/mld
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (1)	6.106	15246378	513.845	ng/ml
16)	Aroclor 1232 (2)	6.445	10102237	509.023	ng/ml
17)	Aroclor 1232 (3)	6.937	16773730	521.234	ng/ml
18)	Aroclor 1232 (4)	7.154	6973317	523.162	ng/ml
19)	Aroclor 1232 (5)	7.199	7954591	507.020	ng/ml
20)	Aroclor 1232 (6)	7.325	8127237	524.132	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_31.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 05:39 pm
Operator :
Sample : 0I15055-CAL9
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 16 12:12:35 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 15 12:16:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	0.000	0	N.D.	ng/mld
44)	Aroclor 1260 (2)	0.000	0	N.D.	ng/mld
45)	Aroclor 1260 (3)	0.000	0	N.D.	ng/mld
46)	Aroclor 1260 (4)	0.000	0	N.D.	ng/mld
47)	Aroclor 1260 (5)	0.000	0	N.D.	ng/mld
48)	Aroclor 1260 (6)	0.000	0	N.D.	ng/mld
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_31.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 05:39 pm
Operator :
Sample : 0I15055-CAL9
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 16 12:12:35 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 15 12:16:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

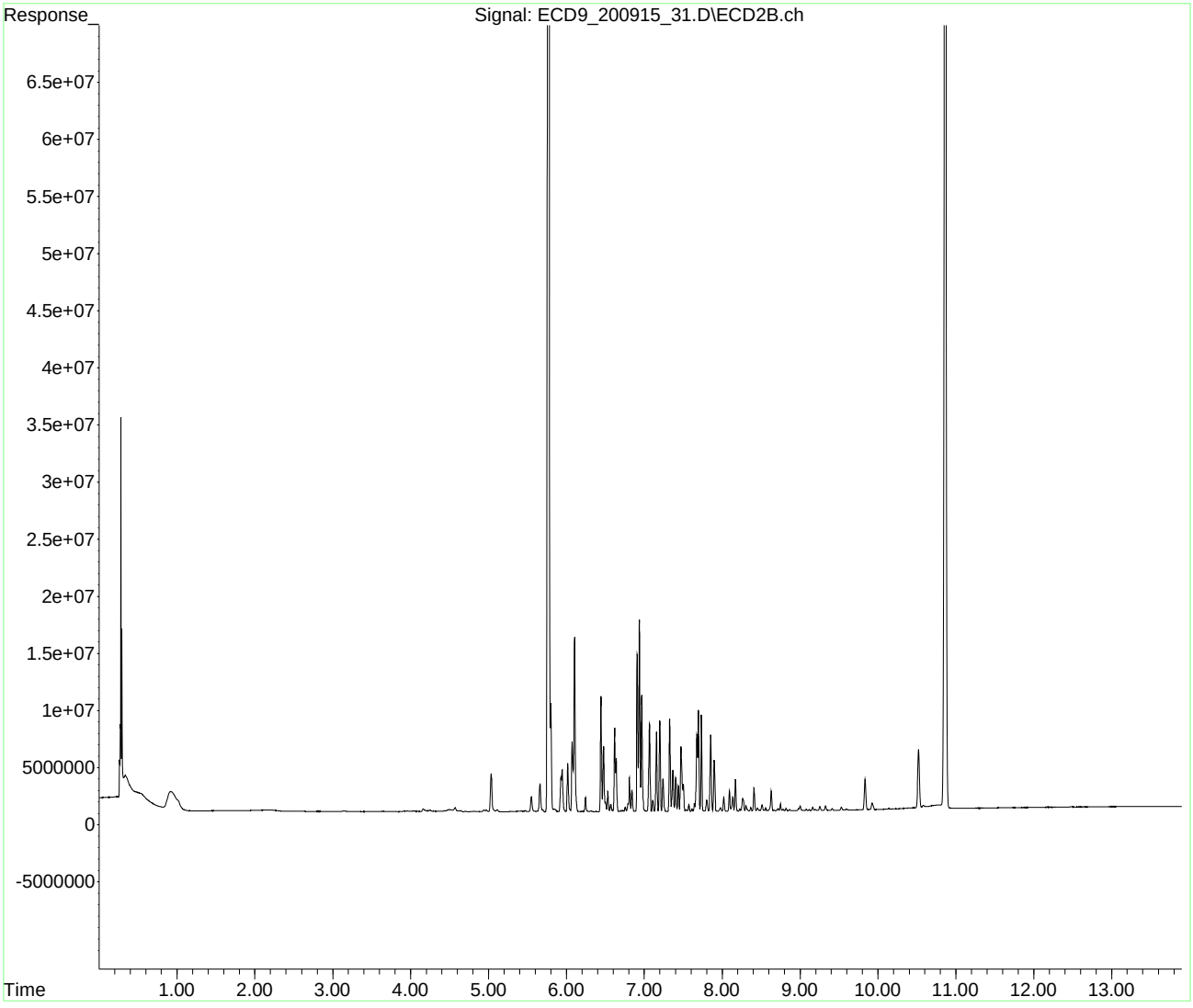
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_31.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 05:39 pm
Operator :
Sample : 0I15055-CAL9
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 16 12:12:35 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 15 12:16:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_33.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 05:56 pm
Operator :
Sample : 0I15055-CALA
Misc :
ALS Vial : 21 Sample Multiplier: 1

KAK 9/17/2020

Integration File: events.e
Quant Time: Sep 16 12:13:17 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 15 12:16:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	0.000	0	N.D.	ng/mld
64) S	DCBP (S)	0.000	0	N.D.	ng/mld
	Target Compounds				
2)	Aroclor 1016 (1)	0.000	0	N.D.	ng/mld
3)	Aroclor 1016 (2)	0.000	0	N.D.	ng/mld
4)	Aroclor 1016 (3)	0.000	0	N.D.	ng/mld
5)	Aroclor 1016 (4)	0.000	0	N.D.	ng/mld
6)	Aroclor 1016 (5)	0.000	0	N.D.	ng/mld
7)	Aroclor 1016 (6)	0.000	0	N.D.	ng/mld
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/mld
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 (4)	0.000	0	N.D.	ng/mld
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (1)	6.445	18757837	512.448	ng/ml
23)	Aroclor 1242 (2)	6.938	30081372	508.527	ng/ml
24)	Aroclor 1242 (3)	7.065	14522510	518.743	ng/ml
25)	Aroclor 1242 (4)	7.154	14257839	509.682	ng/ml
26)	Aroclor 1242 (5)	7.199	16512662	504.087	ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_33.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 05:56 pm
Operator :
Sample : 0I15055-CALA
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 16 12:13:17 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 15 12:16:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	7.326	16706163	~~526.005~~	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	0.000	0	N.D.	ng/mld
44)	Aroclor 1260 (2)	0.000	0	N.D.	ng/mld
45)	Aroclor 1260 (3)	0.000	0	N.D.	ng/mld
46)	Aroclor 1260 (4)	0.000	0	N.D.	ng/mld
47)	Aroclor 1260 (5)	0.000	0	N.D.	ng/mld
48)	Aroclor 1260 (6)	0.000	0	N.D.	ng/mld
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_33.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 05:56 pm
Operator :
Sample : 0I15055-CALA
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 16 12:13:17 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 15 12:16:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

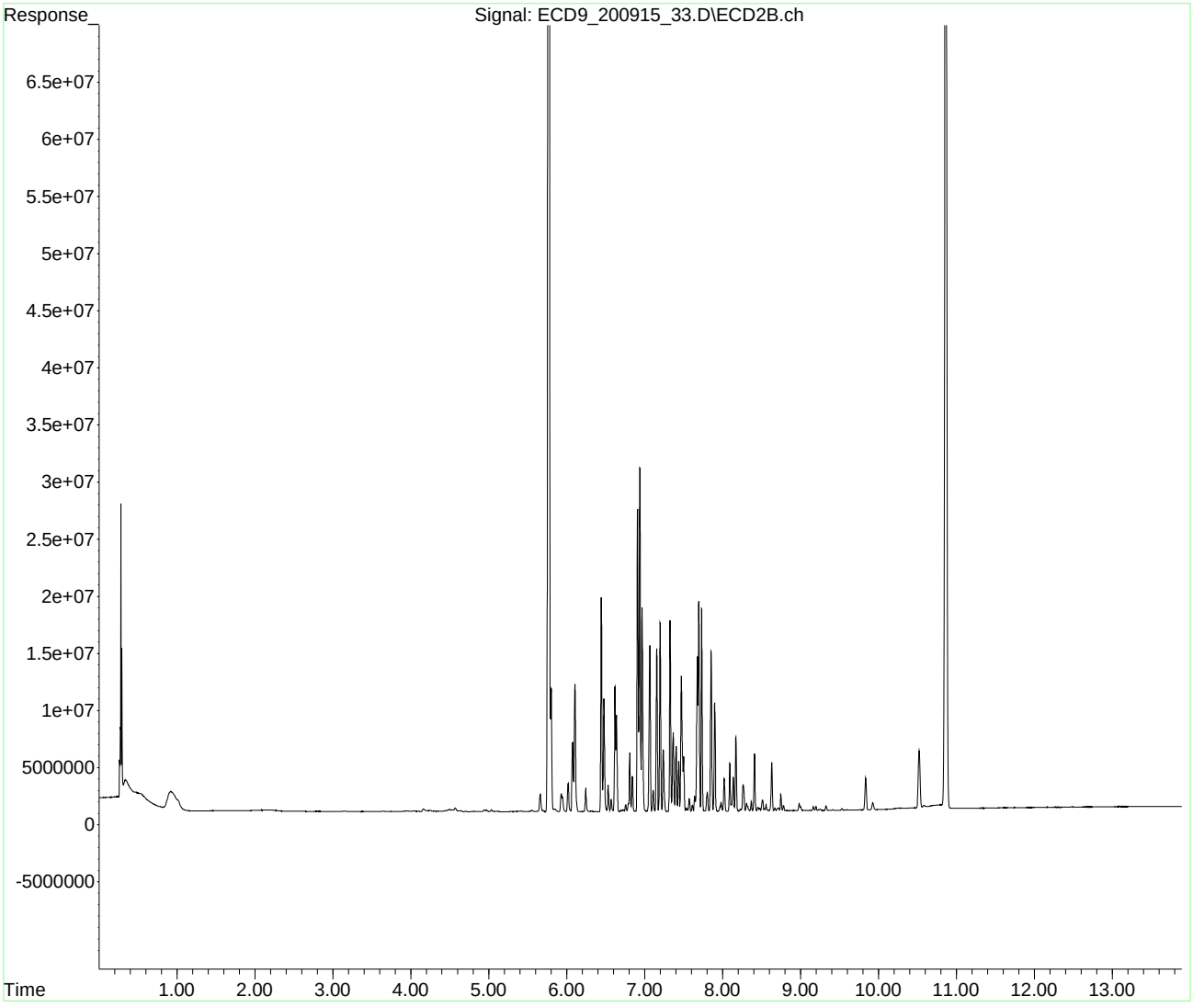
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_33.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 05:56 pm
Operator :
Sample : 0I15055-CALA
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 16 12:13:17 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 15 12:16:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_35.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 06:14 pm
Operator :
Sample : 0I15055-CALB
Misc :
ALS Vial : 22 Sample Multiplier: 1

KAK 9/17/2020

Integration File: events.e
Quant Time: Sep 16 12:13:55 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 15 12:16:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	0.000	0	N.D.	ng/mld
64) S	DCBP (S)	0.000	0	N.D.	ng/mld
	Target Compounds				
2)	Aroclor 1016 (1)	0.000	0	N.D.	ng/mld
3)	Aroclor 1016 (2)	0.000	0	N.D.	ng/mld
4)	Aroclor 1016 (3)	0.000	0	N.D.	ng/mld
5)	Aroclor 1016 (4)	0.000	0	N.D.	ng/mld
6)	Aroclor 1016 (5)	0.000	0	N.D.	ng/mld
7)	Aroclor 1016 (6)	0.000	0	N.D.	ng/mld
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/mld
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 (4)	0.000	0	N.D.	ng/mld
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_35.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 06:14 pm
Operator :
Sample : 0I15055-CALB
Misc :
ALS Vial : 22 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 16 12:13:55 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 15 12:16:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	6.910	19068812	506.224	ng/ml
30)	Aroclor 1248 (2)	7.154	27209452	535.946	ng/ml
31)	Aroclor 1248 (3)	7.199	24806192	495.237	ng/ml
32)	Aroclor 1248 (4)	7.326	28952263	538.359	ng/ml
33)	Aroclor 1248 (5)	7.694	36370944	549.630	ng/ml
34)	Aroclor 1248 (6)	7.852	29828104	506.109	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	0.000	0	N.D.	ng/mld
44)	Aroclor 1260 (2)	0.000	0	N.D.	ng/mld
45)	Aroclor 1260 (3)	0.000	0	N.D.	ng/mld
46)	Aroclor 1260 (4)	0.000	0	N.D.	ng/mld
47)	Aroclor 1260 (5)	0.000	0	N.D.	ng/mld
48)	Aroclor 1260 (6)	0.000	0	N.D.	ng/mld
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_35.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 06:14 pm
Operator :
Sample : 0I15055-CALB
Misc :
ALS Vial : 22 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 16 12:13:55 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 15 12:16:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

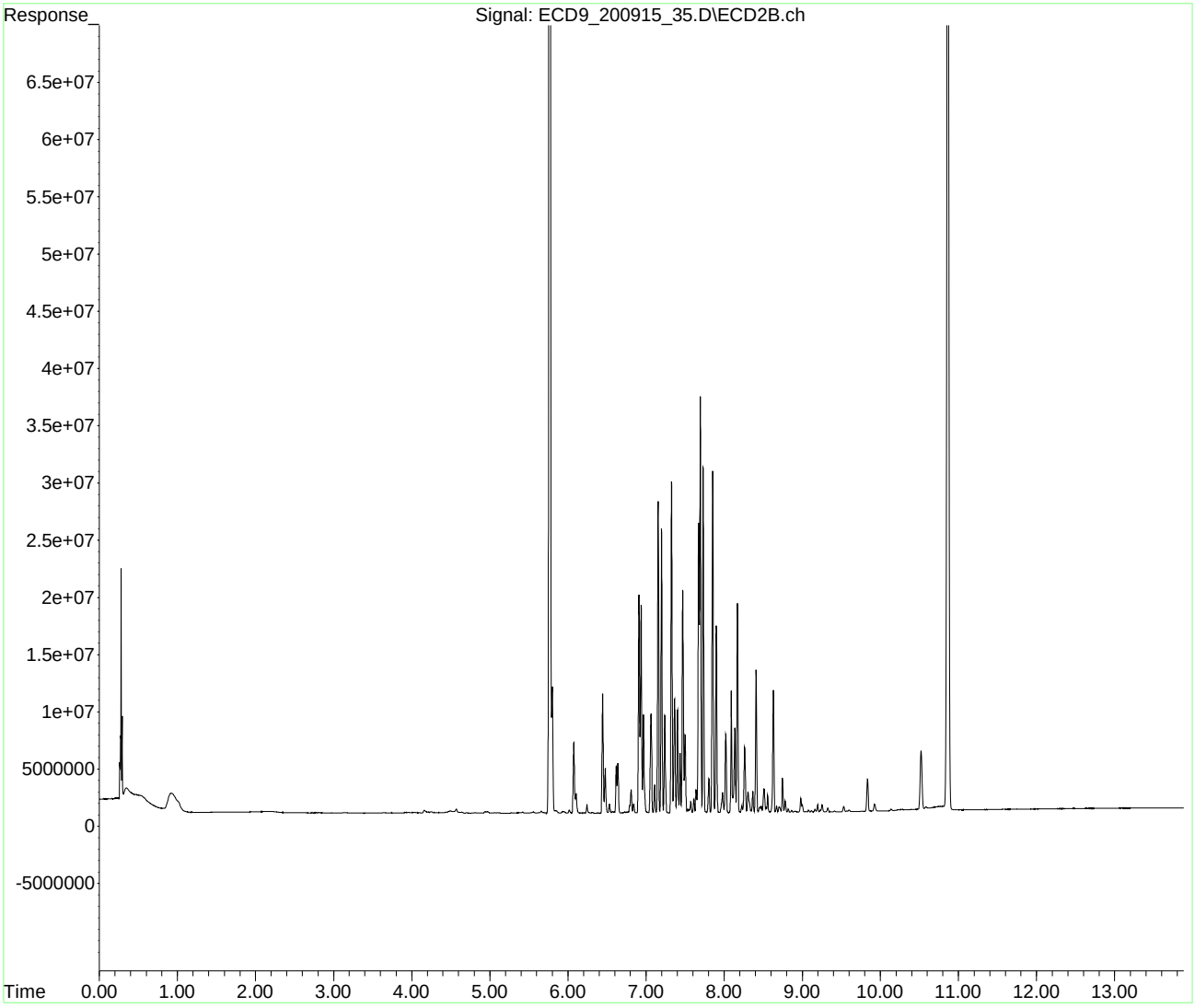
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_35.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 06:14 pm
Operator :
Sample : 0I15055-CALB
Misc :
ALS Vial : 22 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 16 12:13:55 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 15 12:16:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_37.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 06:32 pm
Operator :
Sample : 0I15055-CALC
Misc :
ALS Vial : 23 Sample Multiplier: 1

KAK 9/17/2020

Integration File: events.e
Quant Time: Sep 16 12:14:43 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 15 12:16:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	0.000	0	N.D.	ng/mld
64) S	DCBP (S)	0.000	0	N.D.	ng/mld
	Target Compounds				
2)	Aroclor 1016 (1)	0.000	0	N.D.	ng/mld
3)	Aroclor 1016 (2)	0.000	0	N.D.	ng/mld
4)	Aroclor 1016 (3)	0.000	0	N.D.	ng/mld
5)	Aroclor 1016 (4)	0.000	0	N.D.	ng/mld
6)	Aroclor 1016 (5)	0.000	0	N.D.	ng/mld
7)	Aroclor 1016 (6)	0.000	0	N.D.	ng/mld
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/mld
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 (4)	0.000	0	N.D.	ng/mld
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_37.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 06:32 pm
Operator :
Sample : 0I15055-CALC
Misc :
ALS Vial : 23 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 16 12:14:43 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 15 12:16:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	7.672	35588919	507.058	ng/ml
37)	Aroclor 1254 (2)	7.855	54442662	526.441	ng/ml
38)	Aroclor 1254 (3)	8.168	55759589	525.967	ng/ml
39)	Aroclor 1254 (4)	8.408	40881230	519.268	ng/ml
40)	Aroclor 1254 (5)	8.746	43150589	531.325	ng/ml
41)	Aroclor 1254 (6)	8.980	12068028	537.228	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	0.000	0	N.D.	ng/mld
44)	Aroclor 1260 (2)	0.000	0	N.D.	ng/mld
45)	Aroclor 1260 (3)	0.000	0	N.D.	ng/mld
46)	Aroclor 1260 (4)	0.000	0	N.D.	ng/mld
47)	Aroclor 1260 (5)	0.000	0	N.D.	ng/mld
48)	Aroclor 1260 (6)	0.000	0	N.D.	ng/mld
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_37.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 06:32 pm
Operator :
Sample : 0I15055-CALC
Misc :
ALS Vial : 23 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 16 12:14:43 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 15 12:16:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

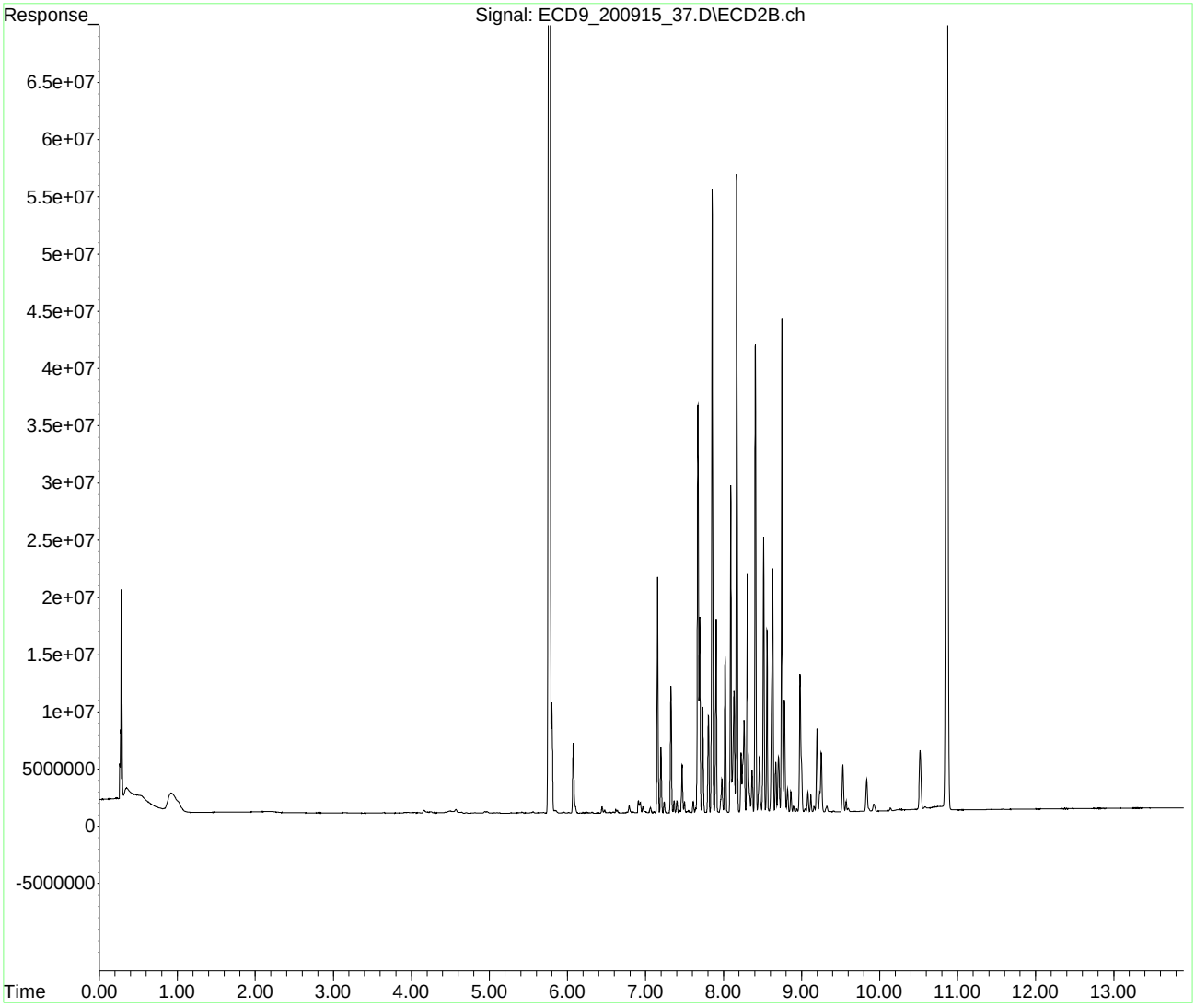
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_37.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 06:32 pm
Operator :
Sample : 0I15055-CALC
Misc :
ALS Vial : 23 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 16 12:14:43 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 15 12:16:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_39.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 06:50 pm
Operator :
Sample : 0I15055-CALD
Misc :
ALS Vial : 24 Sample Multiplier: 1

KAK 9/17/2020

Integration File: events.e
Quant Time: Sep 16 12:15:33 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 15 12:16:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	0.000	0	N.D.	ng/mld
64) S	DCBP (S)	0.000	0	N.D.	ng/mld
	Target Compounds				
2)	Aroclor 1016 (1)	0.000	0	N.D.	ng/mld
3)	Aroclor 1016 (2)	0.000	0	N.D.	ng/mld
4)	Aroclor 1016 (3)	0.000	0	N.D.	ng/mld
5)	Aroclor 1016 (4)	0.000	0	N.D.	ng/mld
6)	Aroclor 1016 (5)	0.000	0	N.D.	ng/mld
7)	Aroclor 1016 (6)	0.000	0	N.D.	ng/mld
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/mld
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 (4)	0.000	0	N.D.	ng/mld
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_39.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 06:50 pm
Operator :
Sample : 0I15055-CALD
Misc :
ALS Vial : 24 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 16 12:15:33 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 15 12:16:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	0.000	0	N.D.	ng/mld
44)	Aroclor 1260 (2)	0.000	0	N.D.	ng/mld
45)	Aroclor 1260 (3)	0.000	0	N.D.	ng/mld
46)	Aroclor 1260 (4)	0.000	0	N.D.	ng/mld
47)	Aroclor 1260 (5)	0.000	0	N.D.	ng/mld
48)	Aroclor 1260 (6)	0.000	0	N.D.	ng/mld
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (1)	8.513	40021892	500.630	ng/ml
51)	Aroclor 1262 (2)	8.818	56947827	522.647	ng/ml
52)	Aroclor 1262 (3)	8.999	44168074	522.681	ng/ml
53)	Aroclor 1262 (4)	9.253	85264880	504.424	ng/ml
54)	Aroclor 1262 (5)	9.530	52644405	525.471	ng/ml
55)	Aroclor 1262 (6)	10.139	22754745	515.126	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_39.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 06:50 pm
Operator :
Sample : 0I15055-CALD
Misc :
ALS Vial : 24 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 16 12:15:33 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 15 12:16:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

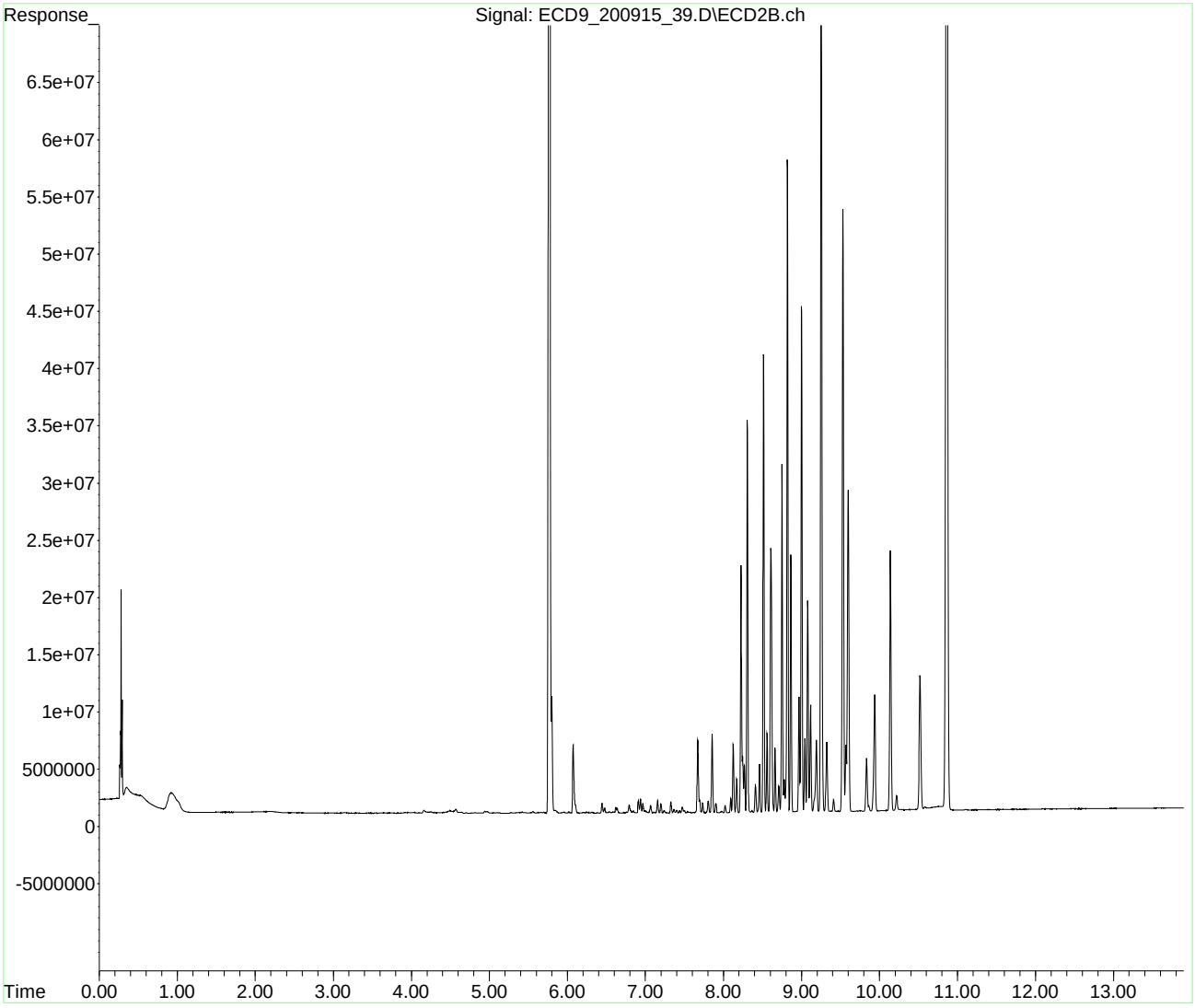
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_39.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 06:50 pm
Operator :
Sample : 0I15055-CALD
Misc :
ALS Vial : 24 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 16 12:15:33 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 15 12:16:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_41.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 07:08 pm
Operator :
Sample : 0I15055-CALE
Misc :
ALS Vial : 25 Sample Multiplier: 1

KAK 9/17/2020

Integration File: events.e
Quant Time: Sep 16 12:16:51 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 15 12:16:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	0.000	0	N.D.	ng/mld
64) S	DCBP (S)	0.000	0	N.D.	ng/mld
	Target Compounds				
2)	Aroclor 1016 (1)	0.000	0	N.D.	ng/mld
3)	Aroclor 1016 (2)	0.000	0	N.D.	ng/mld
4)	Aroclor 1016 (3)	0.000	0	N.D.	ng/mld
5)	Aroclor 1016 (4)	0.000	0	N.D.	ng/mld
6)	Aroclor 1016 (5)	0.000	0	N.D.	ng/mld
7)	Aroclor 1016 (6)	0.000	0	N.D.	ng/mld
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/mld
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 (4)	0.000	0	N.D.	ng/mld
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_41.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 07:08 pm
Operator :
Sample : 0I15055-CALE
Misc :
ALS Vial : 25 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 16 12:16:51 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 15 12:16:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	0.000	0	N.D.	ng/mld
44)	Aroclor 1260 (2)	0.000	0	N.D.	ng/mld
45)	Aroclor 1260 (3)	0.000	0	N.D.	ng/mld
46)	Aroclor 1260 (4)	0.000	0	N.D.	ng/mld
47)	Aroclor 1260 (5)	0.000	0	N.D.	ng/mld
48)	Aroclor 1260 (6)	0.000	0	N.D.	ng/mld
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	9.044	24186271	~~511.471~~	ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_41.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 07:08 pm
Operator :
Sample : 0I15055-CALE
Misc :
ALS Vial : 25 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 16 12:16:51 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 15 12:16:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	9.531	94477931	497.621	ng/ml
59)	Aroclor 1268 (3)	9.601	75547931	497.571	ng/ml
60)	Aroclor 1268 (4)	9.833	66680239	484.735	ng/ml
61)	Aroclor 1268 (5)	10.139	24802006	493.170	ng/ml
62)	Aroclor 1268 (6)	10.520	171398290	518.616	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\2020-09\0I15055\
Data File : ECD9_200915_41.D
Signal(s) : ECD2B.ch
Acq On : 15 Sep 2020 07:08 pm
Operator :
Sample : 0I15055-CALE
Misc :
ALS Vial : 25 Sample Multiplier: 1

Integration File: events.e
Quant Time: Sep 16 12:16:51 2020
Quant Method : Z:\1\methods\RECD9_QUANTPCB_200915.M
Quant Title : PCB Data Analysis
QLast Update : Tue Sep 15 12:16:59 2020
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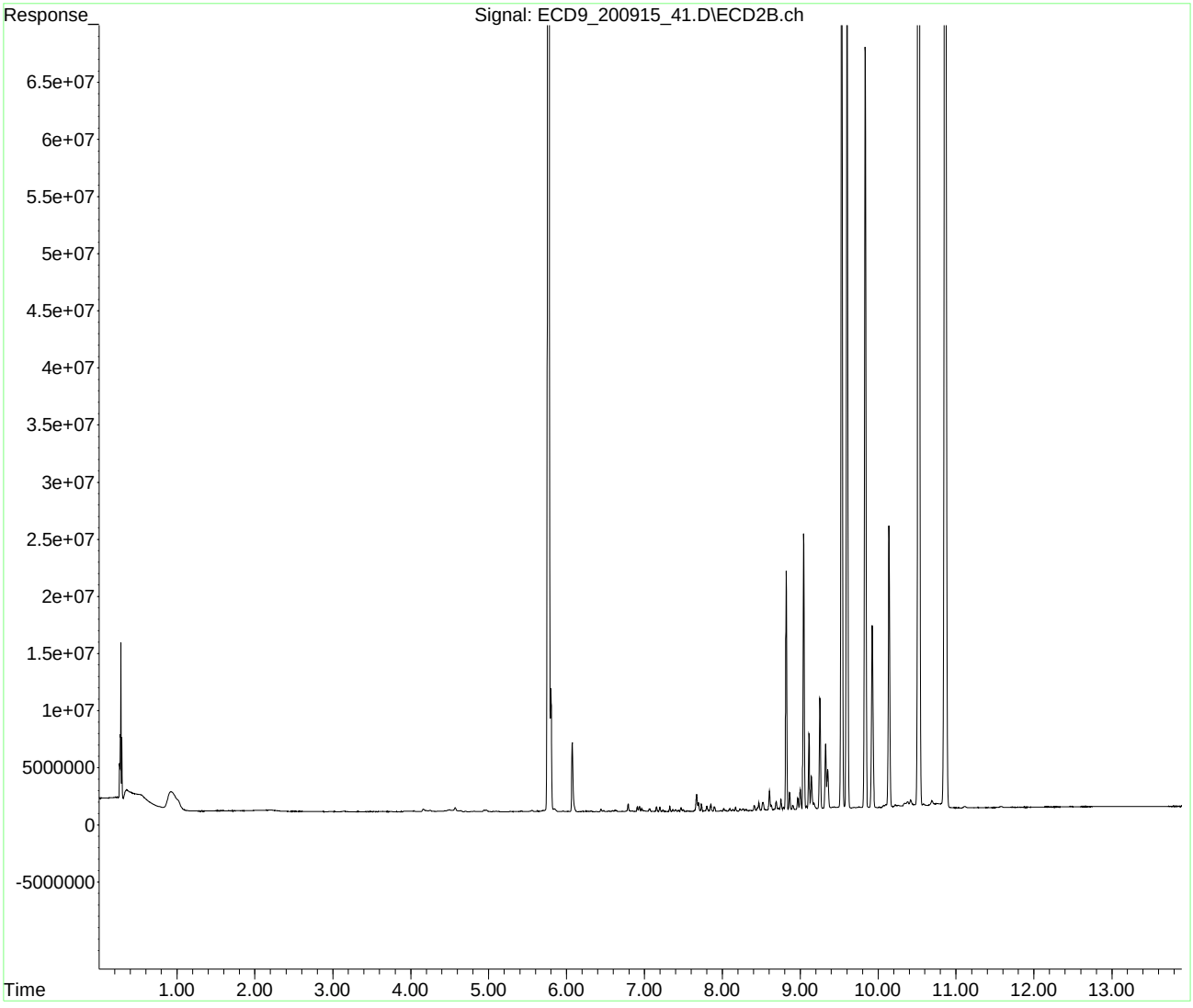
Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Polychlorinated Biphenyls by EPA 8082A
Calibration Data

Sequence 0K02062 (Cal ID A0K0502) DUALECD9

ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence:	0K02062	Instrument:	DUALECD9F
Date:	**11/02/20 13:36**	Calibration:	**A0K0502**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0K02062-ICB1	Soil	QC	QC				A20J469
2	0K02062-CAL1	Soil	QC	QC				A20F180
3	0K02062-CAL2	Soil	QC	QC				A20F181
4	0K02062-CAL3	Soil	QC	QC				A20F183
5	0K02062-CAL4	Soil	QC	QC				A20F184
6	0K02062-CAL5	Soil	QC	QC				A20F177
7	0K02062-CAL6	Soil	QC	QC				A20F178
8	0K02062-CAL7	Soil	QC	QC				A20F179
9	0K02062-IBL1	Soil	QC	QC				
10	0K02062-ICV1	Soil	QC	QC				A20H015
11	0K02062-CAL8	Soil	QC	QC				A20H322
12	0K02062-CAL9	Soil	QC	QC				A20H324
13	0K02062-CALA	Soil	QC	QC				A20H326
14	0K02062-CALB	Soil	QC	QC				A20H329
15	0K02062-CALC	Soil	QC	QC				A20H330
16	0K02062-CALD	Soil	QC	QC				A20H331
17	0K02062-CALE	Soil	QC	QC				A20H333
18	0K02062-ICV2	Soil	QC	QC				A20H337
19	0K02062-ICV3	Soil	QC	QC				A20J471
20	0K02062-ICV4	Soil	QC	QC				A20H339
21	0K02062-ICV5	Soil	QC	QC				A20H210

Comments: Calibrated for soils only

Data Entered By/Date: KAK 11/5/2020

Data Reviewed By/Date: MKZ 11/6/2020

Calibration Status Report DUALECD9

Method Path : Z:\1\methods\ECD9 Front Methods\
Method File : FECD9_QUANTPCB_201102.M
Title : PCB Data Analysis
Last Update : Tue Nov 03 16:17:51 2020
Response Via : Initial Calibration

KAK 11/5/2020

Calibration: A0K0502

#	ID	Conc	ISTD Conc	Path\File
1	1	10	0	Z:\1\data\0K02062\ECD9_201102_06.D
2	2	25	0	Z:\1\data\0K02062\ECD9_201102_08.D
3	3	50	0	Z:\1\data\0K02062\ECD9_201102_10.D
4	4	100	0	Z:\1\data\0K02062\ECD9_201102_12.D
5	5	250	0	Z:\1\data\0K02062\ECD9_201102_36.D
6	6	500	0	Z:\1\data\0K02062\ECD9_201102_16.D
7	7	800	0	Z:\1\data\0K02062\ECD9_201102_18.D

#	ID	Update Time	Quant Time	Acquisition Time
1	1	Nov 03 16:14 2020	Nov 03 15:58 2020	02 Nov 2020 14:35
2	2	Nov 03 16:15 2020	Nov 03 15:59 2020	02 Nov 2020 14:52
3	3	Nov 03 16:15 2020	Nov 03 15:59 2020	02 Nov 2020 15:10
4	4	Nov 03 16:15 2020	Nov 03 16:00 2020	02 Nov 2020 15:28
5	5	Nov 03 16:17 2020	Nov 03 16:14 2020	02 Nov 2020 19:03
6	6	Nov 03 16:15 2020	Nov 03 16:01 2020	02 Nov 2020 16:04
7	7	Nov 03 16:15 2020	Nov 03 16:02 2020	02 Nov 2020 16:22

FECD9_QUANTPCB_201102.M Tue Nov 03 16:48:23 2020

Response Factor Report DUALECD9

Method Path : Z:\1\methods\ECD9 Front Methods\
Method File : FECD9_QUANTPCB_201102.M
Title : PCB Data Analysis
Last Update : Tue Nov 03 16:17:51 2020
Response Via : Initial Calibration

KAK 11/5/2020

Calibration Files
1 =ECD9_201102_06.D 2 =ECD9_201102_08.D 3 =ECD9_201102_10.D
4 =ECD9_201102_12.D 5 =ECD9_201102_36.D 6 =ECD9_201102_16.D

	Compound	1	2	3	4	5	6	Avg	%RSD
1) S	TCMX (S)	1.586	1.597	1.578	1.571	1.545	1.547	1.577 E6	1.62
2)	Aroclor 1016 ...	8.012	7.282	6.913	6.347	6.102	5.851	6.630 E4	12.17
3)	Aroclor 1016 ...	1.245	1.189	1.144	1.127	1.116	1.085	1.145 E5	4.83
4)	Aroclor 1016 ...	7.908	7.307	6.812	6.453	6.257	6.089	6.720 E4	9.98
5)	Aroclor 1016 ...	6.855	6.276	5.688	5.485	5.165	5.032	5.657 E4	12.06
6)	Aroclor 1016 ...	7.780	7.341	6.925	6.349	6.220	6.119	6.702 E4	9.80
7)	Aroclor 1016 (6)	5.372	4.965	4.695	4.448	4.380	4.163	4.593 E4	9.82
8)	Aroclor 1016 ...							0.000	-1.00
9)	Aroclor 1221 (1)					1.917		1.917 E4	0.00
10)	Aroclor 1221 (2)					1.271		1.271 E4	0.00
11)	Aroclor 1221 (3)					4.053		4.053 E4	0.00
12)	Aroclor 1221 (4)					6.707		6.707 E3	0.00
13)	Aroclor 1221 (5)					7.498		7.498 E3	0.00
14)	Aroclor 1221 ...							0.000	-1.00
15)	Aroclor 1232 (1)					3.453		3.453 E4	0.00
16)	Aroclor 1232 (2)					4.357		4.357 E4	0.00
17)	Aroclor 1232 (3)					2.483		2.483 E4	0.00
18)	Aroclor 1232 (4)					1.696		1.696 E4	0.00
19)	Aroclor 1232 (5)					2.269		2.269 E4	0.00
20)	Aroclor 1232 (6)					1.765		1.765 E4	0.00
21)	Aroclor 1232 ...							0.000	-1.00
22)	Aroclor 1242 ...					4.498		4.498 E4	0.00
23)	Aroclor 1242 ...					7.852		7.852 E4	0.00
24)	Aroclor 1242 ...					4.599		4.599 E4	0.00
25)	Aroclor 1242 ...					3.480		3.480 E4	0.00
26)	Aroclor 1242 ...					4.473		4.473 E4	0.00
27)	Aroclor 1242 (6)					3.664		3.664 E4	0.00
28)	Aroclor 1242 ...							0.000	-1.00
29)	Aroclor 1248 ...					4.722		4.722 E4	0.00
30)	Aroclor 1248 ...					6.343		6.343 E4	0.00
31)	Aroclor 1248 ...					7.825		7.825 E4	0.00
32)	Aroclor 1248 ...					8.750		8.750 E4	0.00
33)	Aroclor 1248 ...					9.060		9.060 E4	0.00
34)	Aroclor 1248 (6)					4.479		4.479 E4	0.00
35)	Aroclor 1248 ...							0.000	-1.00
36)	Aroclor 1254 ...					8.753		8.753 E4	0.00
37)	Aroclor 1254 ...					1.016		1.016 E5	0.00
38)	Aroclor 1254 ...					1.560		1.560 E5	0.00
39)	Aroclor 1254 ...					1.022		1.022 E5	0.00
40)	Aroclor 1254 ...					1.029		1.029 E5	0.00
41)	Aroclor 1254 (6)					3.311		3.311 E4	0.00
42)	Aroclor 1254 ...							0.000	-1.00

Method Path : Z:\1\methods\ECD9 Front Methods\
Method File : FECD9_QUANTPCB_201102.M
Title : PCB Data Analysis
Last Update : Tue Nov 03 16:17:51 2020
Response Via : Initial Calibration

Calibration Files
1 =ECD9_201102_06.D 2 =ECD9_201102_08.D 3 =ECD9_201102_10.D
4 =ECD9_201102_12.D 5 =ECD9_201102_36.D 6 =ECD9_201102_16.D

		Compound	1	2	3	4	5	6	Avg	%RSD
43)		Aroclor 1260 ...	1.389	1.308	1.189	1.163	1.160	1.099	1.204 E5	8.77
44)		Aroclor 1260 ...	1.630	1.598	1.505	1.460	1.376	1.364	1.482 E5	6.94
45)		Aroclor 1260 (3)	1.257	1.186	1.117	1.061	1.068	1.028	1.111 E5	7.46
46)		Aroclor 1260 (4)	2.675	2.674	2.578	2.461	2.373	2.359	2.515 E5	5.23
47)		Aroclor 1260 (5)	1.767	1.728	1.647	1.599	1.551	1.508	1.636 E5	5.63
48)		Aroclor 1260 (6)	7.607	7.321	6.839	6.538	6.295	6.115	6.722 E4	8.34
49)		Aroclor 1260 ...							0.000	-1.00
50)		Aroclor 1262 (1)					1.039		1.039 E5	0.00
51)		Aroclor 1262 (2)					1.476		1.476 E5	0.00
52)		Aroclor 1262 (3)					1.247		1.247 E5	0.00
53)		Aroclor 1262 (4)					2.613		2.613 E5	0.00
54)		Aroclor 1262 (5)					1.578		1.578 E5	0.00
55)		Aroclor 1262 (6)					8.282		8.282 E4	0.00
56)		Aroclor 1262 ...							0.000	-1.00
57)		Aroclor 1268 (1)					6.753		6.753 E4	0.00
58)		Aroclor 1268 (2)					2.968		2.968 E5	0.00
59)		Aroclor 1268 (3)					2.425		2.425 E5	0.00
60)		Aroclor 1268 (4)					2.275		2.275 E5	0.00
61)		Aroclor 1268 (5)					9.230		9.230 E4	0.00
62)		Aroclor 1268 (6)					6.162		6.162 E5	0.00
63)		Aroclor 1268 ...							0.000	-1.00
64)	S	DCBP (S)	1.368	1.333	1.302	1.237	1.236	1.234	1.292 E6	4.31

(#) = Out of Range ### Number of calibration levels exceeded format ###

Compound List Report DUALECD9

Method Path : Z:\1\methods\ECD9 Front Methods\
Method File : FECD9_QUANTPCB_201102.M
Title : PCB Data Analysis
Last Update : Tue Nov 03 16:17:51 2020
Response Via : Initial Calibration

KAK 11/3/2020

Total Cpnds : 64

PK#		Compound Name	Exp_RT	Rel_RT	Cal	A/H	ID
1	S	TCMX (S)	4.888	1.000	A	H	L
2		Aroclor 1016 (1)	5.813	1.000	A	H	R
3		Aroclor 1016 (2)	6.228	1.000	A	H	R
4		Aroclor 1016 (3)	6.310	1.000	A	H	R
5		Aroclor 1016 (4)	6.469	1.000	A	H	R
6		Aroclor 1016 (5)	6.694	1.000	A	H	R
7		Aroclor 1016 (6)	6.822	1.000	A	H	R
8		Aroclor 1016 - AVE	1.973	1.000	A	H	R
9		Aroclor 1221 (1)	5.249	1.000	A	H	R
10		Aroclor 1221 (2)	5.368	1.000	A	H	R
11		Aroclor 1221 (3)	5.449	1.000	A	H	R
12		Aroclor 1221 (4)	5.919	1.000	A	H	R
13		Aroclor 1221 (5)	6.229	1.000	A	H	R
14		Aroclor 1221 - AVE	1.973	1.000	A	H	R
15		Aroclor 1232 (1)	5.449	1.000	A	H	R
16		Aroclor 1232 (2)	6.229	1.000	A	H	R
17		Aroclor 1232 (3)	6.310	1.000	A	H	R
18		Aroclor 1232 (4)	6.470	1.000	A	H	R
19		Aroclor 1232 (5)	6.693	1.000	A	H	R
20		Aroclor 1232 (6)	6.821	1.000	A	H	R
21		Aroclor 1232 - AVE	1.973	1.000	A	H	R
22		Aroclor 1242 (1)	5.812	1.000	A	H	R
23		Aroclor 1242 (2)	6.229	1.000	A	H	R
24		Aroclor 1242 (3)	6.310	1.000	A	H	R
25		Aroclor 1242 (4)	6.470	1.000	A	H	R
26		Aroclor 1242 (5)	6.694	1.000	A	H	R
27		Aroclor 1242 (6)	6.822	1.000	A	H	R
28		Aroclor 1242 - AVE	1.973	1.000	A	H	R
29		Aroclor 1248 (1)	6.216	1.000	A	H	R
30		Aroclor 1248 (2)	6.470	1.000	A	H	R
31		Aroclor 1248 (3)	6.693	1.000	A	H	R
32		Aroclor 1248 (4)	6.990	1.000	A	H	R
33		Aroclor 1248 (5)	7.028	1.000	A	H	R
34		Aroclor 1248 (6)	7.510	1.000	A	H	R
35		Aroclor 1248 - AVE	1.973	1.000	A	H	R
36		Aroclor 1254 (1)	7.025	1.000	A	H	R
37		Aroclor 1254 (2)	7.136	1.000	A	H	R
38		Aroclor 1254 (3)	7.510	1.000	A	H	R
39		Aroclor 1254 (4)	7.677	1.000	A	H	R
40		Aroclor 1254 (5)	8.063	1.000	A	H	R
41		Aroclor 1254 (6)	8.359	1.000	A	H	R
42		Aroclor 1254 - AVE	1.973	1.000	A	H	R
43		Aroclor 1260 (1)	7.632	1.000	A	H	R
44		Aroclor 1260 (2)	7.765	1.000	A	H	R
45		Aroclor 1260 (3)	8.329	1.000	A	H	R
46		Aroclor 1260 (4)	8.500	1.000	A	H	R
47		Aroclor 1260 (5)	8.803	1.000	A	H	R
48		Aroclor 1260 (6)	9.209	1.000	A	H	R
49		Aroclor 1260 - AVE	1.973	1.000	A	H	R
50		Aroclor 1262 (1)	7.765	1.000	A	H	R
51		Aroclor 1262 (2)	8.093	1.000	A	H	R
52		Aroclor 1262 (3)	8.329	1.000	A	H	R
53		Aroclor 1262 (4)	8.500	1.000	A	H	R
54		Aroclor 1262 (5)	8.802	1.000	A	H	R
55		Aroclor 1262 (6)	9.208	1.000	A	H	R
56		Aroclor 1262 - AVE	1.973	1.000	A	H	R

57		Aroclor 1268 (1)	8.321	1.000	A	H	R
58		Aroclor 1268 (2)	8.751	1.000	A	H	R
59		Aroclor 1268 (3)	8.798	1.000	A	H	R
60		Aroclor 1268 (4)	8.984	1.000	A	H	R
61		Aroclor 1268 (5)	9.208	1.000	A	H	R
62		Aroclor 1268 (6)	9.483	1.000	A	H	R
63		Aroclor 1268 - AVE	1.973	1.000	A	H	R
64	S	DCBP (S)	9.736	1.000	A	H	R

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

FECD9_QUANTPCB_201102.M Tue Nov 03 16:48:13 2020

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0K02062

Analysis Included

1311/8082 TCLP PCBs
1312/8082A SPLP PCBs
8082 PCBs
8082 PCBs - Low Level (2mL FV)
8082 PCBs - Low Level (2mL FV) +1262/68
8082 PCBs - Low Level (15g/1mL)
8082 PCBs + 1262/1268

INSTRUMENT SEQUENCE LOG

SampleID	SampleName	Matrix	STDID	ISTD_ID	Analyzed	
0K02062-ICB1	Initial Cal Blank	Soil	A20J469		11/2/2020	2:17:00PM
0K02062-CAL1	Cal Standard	Soil	A20F180	"	11/2/2020	2:35:00PM
0K02062-CAL2	Cal Standard	Soil	A20F181	"	11/2/2020	2:52:00PM
0K02062-CAL3	Cal Standard	Soil	A20F183	"	11/2/2020	3:10:00PM
0K02062-CAL4	Cal Standard	Soil	A20F184	"	11/2/2020	3:28:00PM
0K02062-CAL5	Cal Standard	Soil	A20F177	"	11/2/2020	3:46:00PM
0K02062-CAL6	Cal Standard	Soil	A20F178	"	11/2/2020	4:04:00PM
0K02062-CAL7	Cal Standard	Soil	A20F179	"	11/2/2020	4:22:00PM
0K02062-ICV1	Initial Cal Check	Soil	A20H015	"	11/2/2020	4:58:00PM
0K02062-CAL8	Cal Standard	Soil	A20H322	"	11/2/2020	5:16:00PM
0K02062-CAL9	Cal Standard	Soil	A20H324	"	11/2/2020	5:34:00PM
0K02062-CALA	Cal Standard	Soil	A20H326	"	11/2/2020	5:51:00PM
0K02062-CALB	Cal Standard	Soil	A20H329	"	11/2/2020	6:09:00PM
0K02062-CALC	Cal Standard	Soil	A20H330	"	11/2/2020	6:27:00PM
0K02062-CALD	Cal Standard	Soil	A20H331	"	11/2/2020	6:45:00PM
0K02062-CALE	Cal Standard	Soil	A20H333	"	11/2/2020	7:03:00PM
0K02062-ICV2	Initial Cal Check	Soil	A20H337	"	11/2/2020	7:21:00PM
0K02062-ICV3	Initial Cal Check	Soil	A20J471	"	11/2/2020	7:39:00PM
0K02062-ICV4	Initial Cal Check	Soil	A20H339	"	11/2/2020	7:57:00PM
0K02062-ICV5	Initial Cal Check	Soil	A20H210	"	11/2/2020	8:14:00PM

CALIBRATION STANDARD RECOVERIES

Calibration: **A0K0502** Instrument: **DUALECD9F**

1311/8082 TCLP PCBs Sequence: **0K02062** Matrix: **Soil**

0K02062-CAL1	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual

0K02062-CAL2	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1016	40.0000	0.00	50	0	
Aroclor 1260	40.0000	0.00	50	0	
Aroclor 1016	40.0000	0.00	50	0	
Aroclor 1260	40.0000	0.00	50	0	

0K02062-CAL3	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1016	40.0000	0.00	100	0	
Aroclor 1260	40.0000	0.00	100	0	
Aroclor 1016	100.0000	0.00	100	0	

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0K02062

Aroclor 1260	100.0000	0.00	100	0
Aroclor 1016	100.0000	0.00	100	0
Aroclor 1260	100.0000	0.00	100	0
Aroclor 1016	40.0000	0.00	100	0
Aroclor 1260	40.0000	0.00	100	0

0K02062-CAL4	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1016	40.0000	0.00	200	0	
Aroclor 1260	40.0000	0.00	200	0	
Aroclor 1016	100.0000	0.00	200	0	
Aroclor 1260	100.0000	0.00	200	0	
Aroclor 1016	100.0000	0.00	200	0	
Aroclor 1260	100.0000	0.00	200	0	
Aroclor 1016	40.0000	0.00	200	0	
Aroclor 1260	40.0000	0.00	200	0	

0K02062-CAL5	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1016	40.0000	0.00	500	0	
Aroclor 1260	40.0000	0.00	500	0	
Aroclor 1016	100.0000	0.00	500	0	
Aroclor 1260	100.0000	0.00	500	0	
Aroclor 1016	100.0000	0.00	500	0	
Aroclor 1260	100.0000	0.00	500	0	
Aroclor 1016	300.0000	0.00	500	0	
Aroclor 1260	300.0000	0.00	500	0	
Aroclor 1016	40.0000	0.00	500	0	
Aroclor 1260	40.0000	0.00	500	0	

0K02062-CAL6	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1016	800.0000	0.00	1000	0	
Aroclor 1260	800.0000	0.00	1000	0	
Aroclor 1016	40.0000	0.00	1000	0	
Aroclor 1260	40.0000	0.00	1000	0	
Aroclor 1016	100.0000	0.00	1000	0	
Aroclor 1260	100.0000	0.00	1000	0	
Aroclor 1016	100.0000	0.00	1000	0	
Aroclor 1260	100.0000	0.00	1000	0	
Aroclor 1016	300.0000	0.00	1000	0	
Aroclor 1260	300.0000	0.00	1000	0	
Aroclor 1016	40.0000	0.00	1000	0	
Aroclor 1260	40.0000	0.00	1000	0	

0K02062-CAL7	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Aroclor 1016	800.0000	0.00	1500	0	
Aroclor 1260	800.0000	0.00	1500	0	
Aroclor 1016	40.0000	0.00	1500	0	
Aroclor 1260	40.0000	0.00	1500	0	
Aroclor 1016	100.0000	0.00	1500	0	
Aroclor 1260	100.0000	0.00	1500	0	
Aroclor 1016	100.0000	0.00	1500	0	
Aroclor 1260	100.0000	0.00	1500	0	
Aroclor 1016	300.0000	0.00	1500	0	
Aroclor 1260	300.0000	0.00	1500	0	
Aroclor 1016	40.0000	0.00	1500	0	
Aroclor 1260	40.0000	0.00	1500	0	

0K02062-CAL8	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual

1221 (1)	40.0000	0.00	500	0
1221 (2)	40.0000	0.00	500	0
1221 (3)	40.0000	0.00	500	0
1221 (4)	40.0000	0.00	500	0
1221 (5)	40.0000	0.00	500	0
Aroclor 1221	40.0000	0.00	500	0
1221 (1)	100.0000	0.00	500	0
1221 (2)	100.0000	0.00	500	0
1221 (3)	100.0000	0.00	500	0
1221 (4)	100.0000	0.00	500	0
1221 (5)	100.0000	0.00	500	0
Aroclor 1221	100.0000	0.00	500	0
1221 (1)	100.0000	0.00	500	0
1221 (2)	100.0000	0.00	500	0
1221 (3)	100.0000	0.00	500	0
1221 (4)	100.0000	0.00	500	0
1221 (5)	100.0000	0.00	500	0
Aroclor 1221	100.0000	0.00	500	0
1221 (1)	300.0000	0.00	500	0
1221 (2)	300.0000	0.00	500	0
1221 (3)	300.0000	0.00	500	0
1221 (4)	300.0000	0.00	500	0
1221 (5)	300.0000	0.00	500	0
Aroclor 1221	300.0000	0.00	500	0
1221 (1)	40.0000	0.00	500	0
1221 (2)	40.0000	0.00	500	0
1221 (3)	40.0000	0.00	500	0
1221 (4)	40.0000	0.00	500	0
1221 (5)	40.0000	0.00	500	0
Aroclor 1221	40.0000	0.00	500	0

0K02062-CAL9	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1232 (1)	40.0000	0.00	500	0	
1232 (2)	40.0000	0.00	500	0	
1232 (3)	40.0000	0.00	500	0	
1232 (4)	40.0000	0.00	500	0	
1232 (5)	40.0000	0.00	500	0	
1232 (6)	40.0000	0.00	500	0	
Aroclor 1232	40.0000	0.00	500	0	
1232 (1)	100.0000	0.00	500	0	
1232 (2)	100.0000	0.00	500	0	
1232 (3)	100.0000	0.00	500	0	
1232 (4)	100.0000	0.00	500	0	
1232 (5)	100.0000	0.00	500	0	
1232 (6)	100.0000	0.00	500	0	
Aroclor 1232	100.0000	0.00	500	0	
1232 (1)	100.0000	0.00	500	0	
1232 (2)	100.0000	0.00	500	0	
1232 (3)	100.0000	0.00	500	0	
1232 (4)	100.0000	0.00	500	0	
1232 (5)	100.0000	0.00	500	0	
1232 (6)	100.0000	0.00	500	0	
Aroclor 1232	100.0000	0.00	500	0	
1232 (1)	300.0000	0.00	500	0	
1232 (2)	300.0000	0.00	500	0	
1232 (3)	300.0000	0.00	500	0	

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1232 (4)	300.0000	0.00	500	0
1232 (5)	300.0000	0.00	500	0
1232 (6)	300.0000	0.00	500	0
Aroclor 1232	300.0000	0.00	500	0
1232 (1)	40.0000	0.00	500	0
1232 (2)	40.0000	0.00	500	0
1232 (3)	40.0000	0.00	500	0
1232 (4)	40.0000	0.00	500	0
1232 (5)	40.0000	0.00	500	0
1232 (6)	40.0000	0.00	500	0
Aroclor 1232	40.0000	0.00	500	0

0K02062-CALA	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1242 (1)	40.0000	0.00	500	0	
1242 (2)	40.0000	0.00	500	0	
1242 (3)	40.0000	0.00	500	0	
1242 (4)	40.0000	0.00	500	0	
1242 (5)	40.0000	0.00	500	0	
1242 (6)	40.0000	0.00	500	0	
Aroclor 1242	40.0000	0.00	500	0	
1242 (1)	100.0000	0.00	500	0	
1242 (2)	100.0000	0.00	500	0	
1242 (3)	100.0000	0.00	500	0	
1242 (4)	100.0000	0.00	500	0	
1242 (5)	100.0000	0.00	500	0	
1242 (6)	100.0000	0.00	500	0	
Aroclor 1242	100.0000	0.00	500	0	
1242 (1)	100.0000	0.00	500	0	
1242 (2)	100.0000	0.00	500	0	
1242 (3)	100.0000	0.00	500	0	
1242 (4)	100.0000	0.00	500	0	
1242 (5)	100.0000	0.00	500	0	
1242 (6)	100.0000	0.00	500	0	
Aroclor 1242	100.0000	0.00	500	0	
1242 (1)	300.0000	0.00	500	0	
1242 (2)	300.0000	0.00	500	0	
1242 (3)	300.0000	0.00	500	0	
1242 (4)	300.0000	0.00	500	0	
1242 (5)	300.0000	0.00	500	0	
1242 (6)	300.0000	0.00	500	0	
Aroclor 1242	300.0000	0.00	500	0	
1242 (1)	40.0000	0.00	500	0	
1242 (2)	40.0000	0.00	500	0	
1242 (3)	40.0000	0.00	500	0	
1242 (4)	40.0000	0.00	500	0	
1242 (5)	40.0000	0.00	500	0	
1242 (6)	40.0000	0.00	500	0	
Aroclor 1242	40.0000	0.00	500	0	

0K02062-CALB	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1248 (1)	40.0000	0.00	500	0	
1248 (2)	40.0000	0.00	500	0	
1248 (3)	40.0000	0.00	500	0	
1248 (4)	40.0000	0.00	500	0	
1248 (5)	40.0000	0.00	500	0	
1248 (6)	40.0000	0.00	500	0	

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Aroclor 1248	40.0000	0.00	500	0
1248 (1)	100.0000	0.00	500	0
1248 (2)	100.0000	0.00	500	0
1248 (3)	100.0000	0.00	500	0
1248 (4)	100.0000	0.00	500	0
1248 (5)	100.0000	0.00	500	0
1248 (6)	100.0000	0.00	500	0
Aroclor 1248	100.0000	0.00	500	0
1248 (1)	100.0000	0.00	500	0
1248 (2)	100.0000	0.00	500	0
1248 (3)	100.0000	0.00	500	0
1248 (4)	100.0000	0.00	500	0
1248 (5)	100.0000	0.00	500	0
1248 (6)	100.0000	0.00	500	0
Aroclor 1248	100.0000	0.00	500	0
1248 (1)	300.0000	0.00	500	0
1248 (2)	300.0000	0.00	500	0
1248 (3)	300.0000	0.00	500	0
1248 (4)	300.0000	0.00	500	0
1248 (5)	300.0000	0.00	500	0
1248 (6)	300.0000	0.00	500	0
Aroclor 1248	300.0000	0.00	500	0
1248 (1)	40.0000	0.00	500	0
1248 (2)	40.0000	0.00	500	0
1248 (3)	40.0000	0.00	500	0
1248 (4)	40.0000	0.00	500	0
1248 (5)	40.0000	0.00	500	0
1248 (6)	40.0000	0.00	500	0
Aroclor 1248	40.0000	0.00	500	0

0K02062-CALC	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
1254 (1)	40.0000	0.00	500	0	
1254 (2)	40.0000	0.00	500	0	
1254 (3)	40.0000	0.00	500	0	
1254 (4)	40.0000	0.00	500	0	
1254 (5)	40.0000	0.00	500	0	
1254 (6)	40.0000	0.00	500	0	
Aroclor 1254	40.0000	0.00	500	0	
1254 (1)	100.0000	0.00	500	0	
1254 (2)	100.0000	0.00	500	0	
1254 (3)	100.0000	0.00	500	0	
1254 (4)	100.0000	0.00	500	0	
1254 (5)	100.0000	0.00	500	0	
1254 (6)	100.0000	0.00	500	0	
Aroclor 1254	100.0000	0.00	500	0	
1254 (1)	100.0000	0.00	500	0	
1254 (2)	100.0000	0.00	500	0	
1254 (3)	100.0000	0.00	500	0	
1254 (4)	100.0000	0.00	500	0	
1254 (5)	100.0000	0.00	500	0	
1254 (6)	100.0000	0.00	500	0	
Aroclor 1254	100.0000	0.00	500	0	
1254 (1)	300.0000	0.00	500	0	
1254 (2)	300.0000	0.00	500	0	
1254 (3)	300.0000	0.00	500	0	
1254 (4)	300.0000	0.00	500	0	

1254 (5)	300.0000	0.00	500	0
1254 (6)	300.0000	0.00	500	0
Aroclor 1254	300.0000	0.00	500	0
1254 (1)	40.0000	0.00	500	0
1254 (2)	40.0000	0.00	500	0
1254 (3)	40.0000	0.00	500	0
1254 (4)	40.0000	0.00	500	0
1254 (5)	40.0000	0.00	500	0
1254 (6)	40.0000	0.00	500	0
Aroclor 1254	40.0000	0.00	500	0

0K02062-CALD	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1262 (1)	40.0000	0.00	500	0	
1262 (2)	40.0000	0.00	500	0	
1262 (3)	40.0000	0.00	500	0	
1262 (4)	40.0000	0.00	500	0	
1262 (5)	40.0000	0.00	500	0	
1262 (6)	40.0000	0.00	500	0	
1262 (1)	100.0000	0.00	500	0	
1262 (2)	100.0000	0.00	500	0	
1262 (3)	100.0000	0.00	500	0	
1262 (4)	100.0000	0.00	500	0	
1262 (5)	100.0000	0.00	500	0	
1262 (6)	100.0000	0.00	500	0	
1262 (1)	100.0000	0.00	500	0	
1262 (2)	100.0000	0.00	500	0	
1262 (3)	100.0000	0.00	500	0	
1262 (4)	100.0000	0.00	500	0	
1262 (5)	100.0000	0.00	500	0	
1262 (6)	100.0000	0.00	500	0	
1262 (1)	300.0000	0.00	500	0	
1262 (2)	300.0000	0.00	500	0	
1262 (3)	300.0000	0.00	500	0	
1262 (4)	300.0000	0.00	500	0	
1262 (5)	300.0000	0.00	500	0	
1262 (6)	300.0000	0.00	500	0	
1262 (1)	40.0000	0.00	500	0	
1262 (2)	40.0000	0.00	500	0	
1262 (3)	40.0000	0.00	500	0	
1262 (4)	40.0000	0.00	500	0	
1262 (5)	40.0000	0.00	500	0	
1262 (6)	40.0000	0.00	500	0	

0K02062-CALE	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
1268 (1)	40.0000	0.00	500	0	
1268 (2)	40.0000	0.00	500	0	
1268 (3)	40.0000	0.00	500	0	
1268 (4)	40.0000	0.00	500	0	
1268 (5)	40.0000	0.00	500	0	
1268 (6)	40.0000	0.00	500	0	
Aroclor 1268	40.0000	0.00	500	0	
1268 (1)	100.0000	0.00	500	0	
1268 (2)	100.0000	0.00	500	0	
1268 (3)	100.0000	0.00	500	0	
1268 (4)	100.0000	0.00	500	0	
1268 (5)	100.0000	0.00	500	0	

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0K02062

1268 (6)	100.0000	0.00	500	0
Aroclor 1268	100.0000	0.00	500	0
1268 (1)	100.0000	0.00	500	0
1268 (2)	100.0000	0.00	500	0
1268 (3)	100.0000	0.00	500	0
1268 (4)	100.0000	0.00	500	0
1268 (5)	100.0000	0.00	500	0
1268 (6)	100.0000	0.00	500	0
Aroclor 1268	100.0000	0.00	500	0
1268 (1)	300.0000	0.00	500	0
1268 (2)	300.0000	0.00	500	0
1268 (3)	300.0000	0.00	500	0
1268 (4)	300.0000	0.00	500	0
1268 (5)	300.0000	0.00	500	0
1268 (6)	300.0000	0.00	500	0
Aroclor 1268	300.0000	0.00	500	0
1268 (1)	40.0000	0.00	500	0
1268 (2)	40.0000	0.00	500	0
1268 (3)	40.0000	0.00	500	0
1268 (4)	40.0000	0.00	500	0
1268 (5)	40.0000	0.00	500	0
1268 (6)	40.0000	0.00	500	0
Aroclor 1268	40.0000	0.00	500	0

Compounds listed above have recalculated recoveries outside 70-130% of the true values, and the calibration levels are above the reporting level. If no compounds are listed, all are OK. Please see the next section for quadatic fit compounds.

Analytes With Quadratic Curve Fits

Qualifier	iMDL	iMRL	Spike Amt	%Difference	OK?	Raise MRL to ?
				_____	☐	☐ _____

Analytes listed above have quadratic curve fits. If they are using a weighting otpion, they must be checked against the requanted curve points to determine if the recalculated results are within limits (70-130 or as specified).

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0K02062

ICV RECOVERIES

Calibration: **A0K0502** Instrument: **DUALECD9F**

8082 PCBs - Low Level (15g/1 Sequence: **0K02062** Matrix: **Soil**

0K02062-ICV1	Inst. MRL	ICV Level	Result	%Rec.	Qual
1260 (6)	20	500	**337.22**	67	
1260 (6)	20	500	**337.22**	67	
1260 (6)	200	500	**337.22**	67	
1260 (6)	20	500	**337.22**	67	
1260 (6)	20	500	**337.22**	67	
1260 (6)	20	500	**337.22**	67	
1260 (6)	20	500	**337.22**	67	

Compounds listed above have Initial Calibration Verification standard recoveries outside 70-130% of the true values. If no compounds are listed, all have passing recoveries.

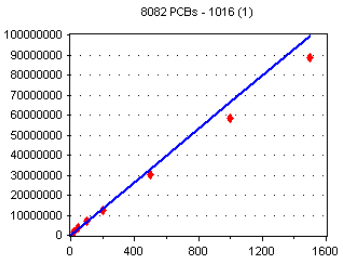
Element Calibration Review Sheet

Calibration ID: **A0K0502** Instrument: **DUALECD9F** Calibration Date: **11/05/2020**

Analysis: **8082 PCBs** Instrument Cal ID: **FECD9_QUANTPCB_20110**

1016 (1)

Curve Fit: **AVERAGE RF**

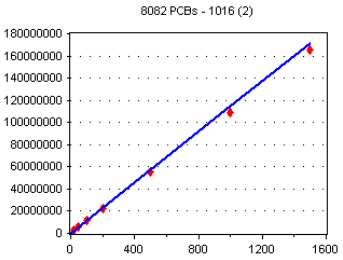


Standard	Concentration	Response	Response Factor	RT
0K02062-CAL1	20	1602448	80122.400	5.81
0K02062-CAL2	50	3640856	72817.120	5.81
0K02062-CAL3	100	6912917	69129.170	5.81
0K02062-CAL4	200	269396E+07	63469.800	5.81
0K02062-CAL5	500	050906E+07	61018.120	5.81
0K02062-CAL6	1000	851385E+07	58513.850	5.81
0K02062-CAL7	1500	854478E+07	59029.860	5.81

AVE RF **66300.040** RF RSD **12.17** AVE RT **5.81**

1016 (2)

Curve Fit: **AVERAGE RF**

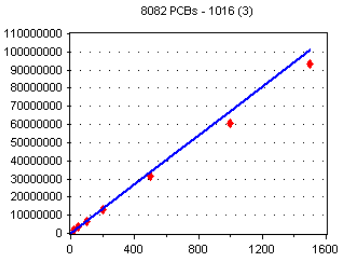


Standard	Concentration	Response	Response Factor	RT
0K02062-CAL1	20	2490655	124532.800	6.23
0K02062-CAL2	50	5944766	118895.300	6.23
0K02062-CAL3	100	143932E+07	114393.200	6.23
0K02062-CAL4	200	1.25457E+07	112728.500	6.23
0K02062-CAL5	500	581983E+07	111639.700	6.23
0K02062-CAL6	1000	084962E+08	108496.200	6.23
0K02062-CAL7	1500	657026E+08	110468.400	6.23

AVE RF **114450.600** RF RSD **4.83** AVE RT **6.23**

1016 (3)

Curve Fit: **AVERAGE RF**

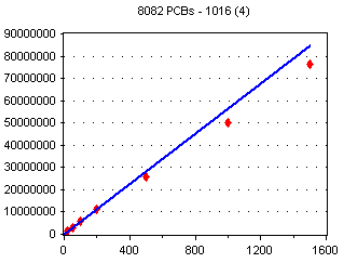


Standard	Concentration	Response	Response Factor	RT
0K02062-CAL1	20	1581526	79076.300	6.31
0K02062-CAL2	50	3653353	73067.060	6.31
0K02062-CAL3	100	6811778	68117.780	6.31
0K02062-CAL4	200	290585E+07	64529.250	6.31
0K02062-CAL5	500	128664E+07	62573.280	6.31
0K02062-CAL6	1000	6.0889E+07	60889.000	6.31
0K02062-CAL7	1500	326632E+07	62177.550	6.31

AVE RF **67204.320** RF RSD **9.98** AVE RT **6.31**

1016 (4)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0K02062-CAL1	20	1370910	68545.500	6.47
0K02062-CAL2	50	3137929	62758.580	6.47
0K02062-CAL3	100	5687994	56879.940	6.47
0K02062-CAL4	200	096935E+07	54846.750	6.47
0K02062-CAL5	500	582415E+07	51648.300	6.47
0K02062-CAL6	1000	031587E+07	50315.870	6.47
0K02062-CAL7	1500	648126E+07	50987.510	6.47

AVE RF **56568.920** RF RSD **12.06** AVE RT **6.47**

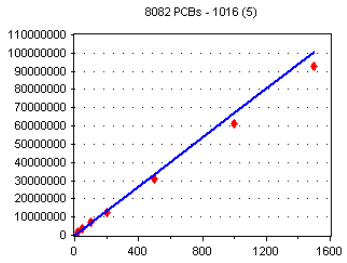
Element Calibration Review Sheet

Calibration ID: **A0K0502** Instrument: **DUALECD9F** Calibration Date: **11/05/2020**

Analysis: **8082 PCBs** Instrument Cal ID: **FECD9_QUANTPCB_20110**

1016 (5)

Curve Fit: **AVERAGE RF**

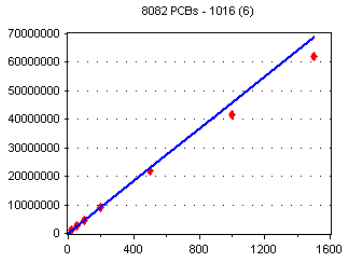


Standard	Concentration	Response	Response Factor	RT
0K02062-CAL1	20	1556010	77800.500	6.69
0K02062-CAL2	50	3670507	73410.140	6.69
0K02062-CAL3	100	6925266	69252.660	6.69
0K02062-CAL4	200	269851E+07	63492.550	6.69
0K02062-CAL5	500	110195E+07	62203.900	6.69
0K02062-CAL6	1000	3.11896E+07	61189.600	6.69
0K02062-CAL7	1500	273325E+07	61822.160	6.70

AVE RF **67024.500** RF RSD **9.80** AVE RT **6.69**

1016 (6)

Curve Fit: **AVERAGE RF**

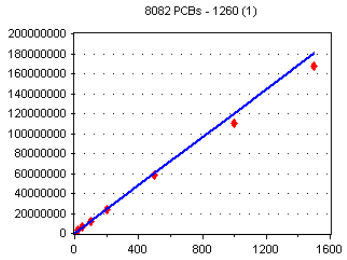


Standard	Concentration	Response	Response Factor	RT
0K02062-CAL1	20	1074398	53719.900	6.82
0K02062-CAL2	50	2482271	49645.420	6.82
0K02062-CAL3	100	4695414	46954.140	6.82
0K02062-CAL4	200	8895568	44477.840	6.82
0K02062-CAL5	500	190031E+07	43800.620	6.82
0K02062-CAL6	1000	163343E+07	41633.430	6.82
0K02062-CAL7	1500	193534E+07	41290.230	6.82

AVE RF **45931.650** RF RSD **9.82** AVE RT **6.82**

1260 (1)

Curve Fit: **AVERAGE RF**

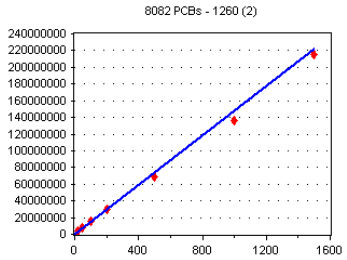


Standard	Concentration	Response	Response Factor	RT
0K02062-CAL1	20	2777043	138852.200	7.63
0K02062-CAL2	50	6539190	130783.800	7.63
0K02062-CAL3	100	189146E+07	118914.600	7.63
0K02062-CAL4	200	325471E+07	116273.500	7.63
0K02062-CAL5	500	801024E+07	116020.500	7.63
0K02062-CAL6	1000	098541E+08	109854.100	7.63
0K02062-CAL7	1500	679637E+08	111975.800	7.63

AVE RF **120382.100** RF RSD **8.77** AVE RT **7.63**

1260 (2)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0K02062-CAL1	20	3260675	163033.800	7.77
0K02062-CAL2	50	7991822	159836.400	7.77
0K02062-CAL3	100	505292E+07	150529.200	7.77
0K02062-CAL4	200	920985E+07	146049.300	7.77
0K02062-CAL5	500	880145E+07	137602.900	7.77
0K02062-CAL6	1000	364005E+08	136400.500	7.77
0K02062-CAL7	1500	158965E+08	143931.000	7.77

AVE RF **148197.600** RF RSD **6.94** AVE RT **7.77**

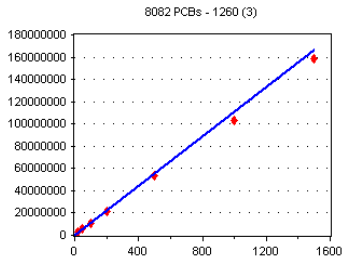
Element Calibration Review Sheet

Calibration ID: **A0K0502** Instrument: **DUALECD9F** Calibration Date: **11/05/2020**

Analysis: **8082 PCBs** Instrument Cal ID: **FECD9_QUANTPCB_20110**

1260 (3)

Curve Fit: **AVERAGE RF**

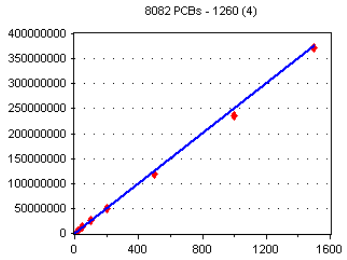


Standard	Concentration	Response	Response Factor	RT
0K02062-CAL1	20	2514259	125713.000	8.33
0K02062-CAL2	50	5931896	118637.900	8.33
0K02062-CAL3	100	117097E+07	111709.700	8.33
0K02062-CAL4	200	121654E+07	106082.700	8.33
0K02062-CAL5	500	339553E+07	106791.100	8.33
0K02062-CAL6	1000	028196E+08	102819.600	8.33
0K02062-CAL7	1500	585956E+08	105730.400	8.33

AVE RF **111069.200** RF RSD **7.46** AVE RT **8.33**

1260 (4)

Curve Fit: **AVERAGE RF**

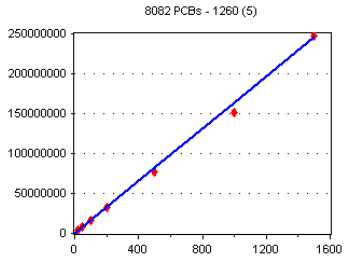


Standard	Concentration	Response	Response Factor	RT
0K02062-CAL1	20	5350347	267517.300	8.50
0K02062-CAL2	50	337149E+07	267429.800	8.50
0K02062-CAL3	100	578482E+07	257848.200	8.50
0K02062-CAL4	200	921871E+07	246093.600	8.50
0K02062-CAL5	500	186259E+08	237251.800	8.50
0K02062-CAL6	1000	359066E+08	235906.600	8.50
0K02062-CAL7	1500	724141E+08	248276.100	8.50

AVE RF **251474.800** RF RSD **5.23** AVE RT **8.50**

1260 (5)

Curve Fit: **AVERAGE RF**

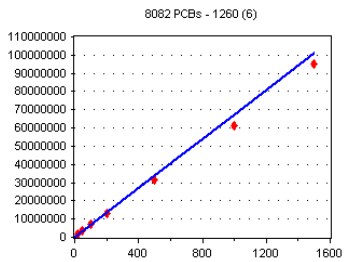


Standard	Concentration	Response	Response Factor	RT
0K02062-CAL1	20	3533884	176694.200	8.80
0K02062-CAL2	50	8638573	172771.500	8.80
0K02062-CAL3	100	646552E+07	164655.200	8.80
0K02062-CAL4	200	198764E+07	159938.200	8.80
0K02062-CAL5	500	756798E+07	155136.000	8.80
0K02062-CAL6	1000	507856E+08	150785.600	8.80
0K02062-CAL7	1500	478334E+08	165222.300	8.80

AVE RF **163600.400** RF RSD **5.63** AVE RT **8.80**

1260 (6)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0K02062-CAL1	20	1521331	76066.550	9.21
0K02062-CAL2	50	3660388	73207.760	9.21
0K02062-CAL3	100	6838690	68386.900	9.21
0K02062-CAL4	200	..30765E+07	65382.500	9.21
0K02062-CAL5	500	147301E+07	62946.020	9.21
0K02062-CAL6	1000	114982E+07	61149.820	9.21
0K02062-CAL7	1500	509029E+07	63393.520	9.21

AVE RF **67219.010** RF RSD **8.34** AVE RT **9.21**

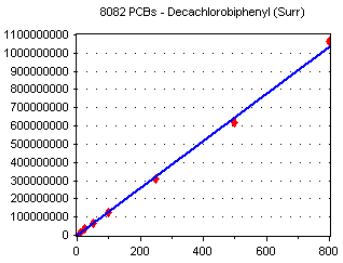
Element Calibration Review Sheet

Calibration ID: **A0K0502** Instrument: **DUALECD9F** Calibration Date: **11/05/2020**

Analysis: **8082 PCBs** Instrument Cal ID: **FECD9_QUANTPCB_20110**

Decachlorobiphenyl (Surr)

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0K02062-CAL1	10	367627E+07	1367627.000	9.74
0K02062-CAL2	25	333492E+07	1333397.000	9.74
0K02062-CAL3	50	51181E+07	1302362.000	9.74
0K02062-CAL4	100	237072E+08	1237072.000	9.74
0K02062-CAL5	250	090289E+08	1236116.000	9.74
0K02062-CAL6	500	171322E+08	1234265.000	9.74
0K02062-CAL7	800	065262E+09	1331578.000	9.74

AVE RF **1291774.000** RF RSD **4.31** AVE RT **9.74**

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_04.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 14:17
Operator :
Sample : 0K02062-ICB1
Misc :
ALS Vial : 2 Sample Multiplier: 1

KAK 11/3/2020

Clean

Integration File: PCB1.e
Quant Time: Nov 03 16:41:23 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	4.889	156417622	99.185	ng/ml
64) S	DCBP (S)	9.739	122272890	94.655	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.819	13563	0.205	ng/ml
3)	Aroclor 1016 (2)	6.233	17950	0.157	ng/ml
4)	Aroclor 1016 (3)	6.297	8966	0.133	ng/ml
5)	Aroclor 1016 (4)	6.486	34904	0.617	ng/ml
6)	Aroclor 1016 (5)	6.696	9058	0.135	ng/ml
7)	Aroclor 1016 (6)	6.822	13012	0.283	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.245	2047478	106.801	ng/ml
10)	Aroclor 1221 (2)	5.368	8717	0.686	ng/ml
11)	Aroclor 1221 (3)	5.446	20625	0.509	ng/ml
12)	Aroclor 1221 (4)	5.914	9224	1.375	ng/ml
13)	Aroclor 1221 (5)	6.233	17950	2.394	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	5.446	20625	0.597	ng/ml
16)	Aroclor 1232 (2)	6.233	17950	0.412	ng/ml
17)	Aroclor 1232 (3)	6.297	8966	0.361	ng/ml
18)	Aroclor 1232 (4)	6.486	34904	2.058	ng/ml
19)	Aroclor 1232 (5)	6.692	7311	0.322	ng/ml
20)	Aroclor 1232 (6)	6.822	13012	0.737	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	5.819	13563	0.302	ng/ml
23)	Aroclor 1242 (2)	6.233	17950	0.229	ng/ml
24)	Aroclor 1242 (3)	6.297	8966	0.195	ng/ml
25)	Aroclor 1242 (4)	6.486	34904	1.003	ng/ml
26)	Aroclor 1242 (5)	6.692	7311	0.163	ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_04.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 14:17
Operator :
Sample : 0K02062-ICB1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 16:41:23 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
27)	Aroclor 1242 (6)	6.822	13012	0.355 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.219	14782	0.313 ng/ml
30)	Aroclor 1248 (2)	6.486	34904	0.550 ng/ml
31)	Aroclor 1248 (3)	6.692	7311	0.093 ng/ml
32)	Aroclor 1248 (4)	6.989	4069	0.047 ng/ml
33)	Aroclor 1248 (5)	7.029	15509	0.171 ng/ml
34)	Aroclor 1248 (6)	7.519	25228	0.563 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.029	15509	0.177 ng/ml
37)	Aroclor 1254 (2)	7.137	9651	0.095 ng/ml
38)	Aroclor 1254 (3)	7.519	25228	0.162 ng/ml
39)	Aroclor 1254 (4)	7.682	9792	0.096 ng/ml
40)	Aroclor 1254 (5)	8.050	12576	0.122 ng/ml
41)	Aroclor 1254 (6)	8.357	16347	0.494 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	7.634	22087	0.183 ng/ml
44)	Aroclor 1260 (2)	7.765	20220	0.136 ng/ml
45)	Aroclor 1260 (3)	8.327	37407	0.337 ng/ml
46)	Aroclor 1260 (4)	8.497	134471	0.535 ng/ml
47)	Aroclor 1260 (5)	8.807	53606	0.328 ng/ml
48)	Aroclor 1260 (6)	9.211	42048	0.626 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	7.765	20220	0.195 ng/ml
51)	Aroclor 1262 (2)	8.076	90026	0.610 ng/ml
52)	Aroclor 1262 (3)	8.327	37407	0.300 ng/ml
53)	Aroclor 1262 (4)	8.497	134471	0.515 ng/ml
54)	Aroclor 1262 (5)	8.807	53606	0.340 ng/ml
55)	Aroclor 1262 (6)	9.211	42048	0.508 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.327	37407	0.554 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_04.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 14:17
Operator :
Sample : 0K02062-ICB1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 16:41:23 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	8.754	53456	0.180	ng/ml
59)	Aroclor 1268 (3)	8.807	53606	0.221	ng/ml
60)	Aroclor 1268 (4)	8.988	2352068	10.339	ng/ml
61)	Aroclor 1268 (5)	9.211	42048	0.456	ng/ml
62)	Aroclor 1268 (6)	9.486	4680732	7.596	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

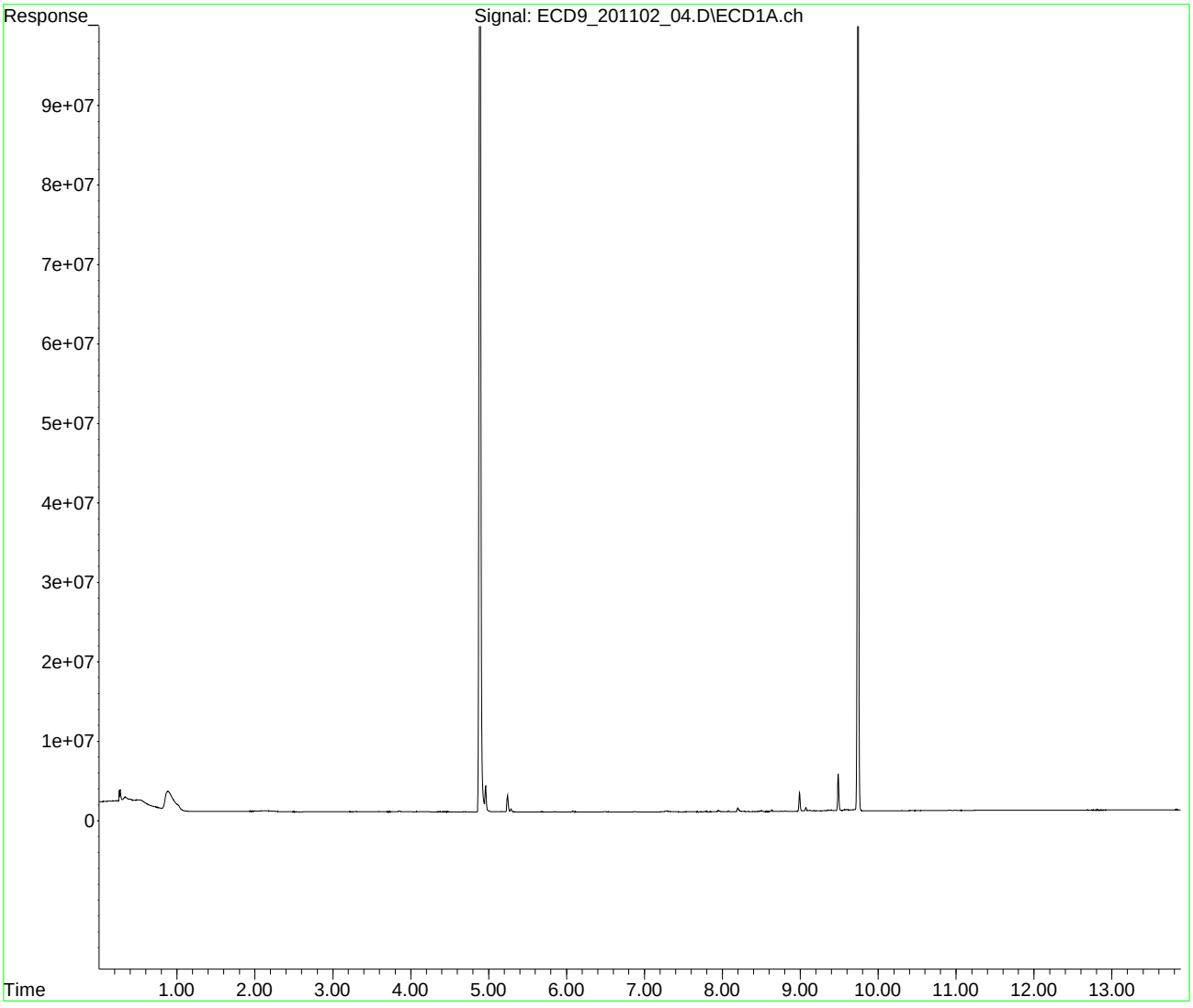
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_04.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 14:17
Operator :
Sample : 0K02062-ICB1
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 16:41:23 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_20.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 16:40
Operator :
Sample : 0K02062-IBL1
Misc :
ALS Vial : 1 Sample Multiplier: 1

KAK 11/3/2020

Clean

Integration File: PCB1.e
Quant Time: Nov 03 16:41:34 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
1) S	TCMX (S)	4.890	75278	0.048 ng/ml
64) S	DCBP (S)	9.735	79389	0.061 ng/ml
	Target Compounds			
2)	Aroclor 1016 (1)	5.813	22911	0.346 ng/ml
3)	Aroclor 1016 (2)	6.229	36695	0.321 ng/ml
4)	Aroclor 1016 (3)	6.312	11796	0.176 ng/ml
5)	Aroclor 1016 (4)	6.456	7258	0.128 ng/ml
6)	Aroclor 1016 (5)	6.694	8951	0.134 ng/ml
7)	Aroclor 1016 (6)	6.820	6644	0.145 ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D. ng/ml
9)	Aroclor 1221 (1)	5.244	147239	7.680 ng/ml
10)	Aroclor 1221 (2)	5.368	7592	0.597 ng/ml
11)	Aroclor 1221 (3)	5.448	21373	0.527 ng/ml
12)	Aroclor 1221 (4)	5.916	3226	0.481 ng/ml
13)	Aroclor 1221 (5)	6.229	36695	4.894 ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D. ng/ml
15)	Aroclor 1232 (1)	5.448	21373	0.619 ng/ml
16)	Aroclor 1232 (2)	6.229	36695	0.842 ng/ml
17)	Aroclor 1232 (3)	6.312	11796	0.475 ng/ml
18)	Aroclor 1232 (4)	6.456	7258	0.428 ng/ml
19)	Aroclor 1232 (5)	6.694	8951	0.395 ng/ml
20)	Aroclor 1232 (6)	6.820	6644	0.377 ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D. ng/ml
22)	Aroclor 1242 (1)	5.813	22911	0.509 ng/ml
23)	Aroclor 1242 (2)	6.229	36695	0.467 ng/ml
24)	Aroclor 1242 (3)	6.312	11796	0.256 ng/ml
25)	Aroclor 1242 (4)	6.456	7258	0.209 ng/ml
26)	Aroclor 1242 (5)	6.694	8951	0.200 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_20.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 16:40
Operator :
Sample : 0K02062-IBL1
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 16:41:34 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
27)	Aroclor 1242 (6)	6.820	6644	0.181 ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D. ng/ml
29)	Aroclor 1248 (1)	6.216	35241	0.746 ng/ml
30)	Aroclor 1248 (2)	6.456	7258	0.114 ng/ml
31)	Aroclor 1248 (3)	6.694	8951	0.114 ng/ml
32)	Aroclor 1248 (4)	6.982	25519	0.292 ng/ml
33)	Aroclor 1248 (5)	7.026	38545	0.425 ng/ml
34)	Aroclor 1248 (6)	7.509	13605	0.304 ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D. ng/ml
36)	Aroclor 1254 (1)	7.026	38545	0.440 ng/ml
37)	Aroclor 1254 (2)	7.138	24691	0.243 ng/ml
38)	Aroclor 1254 (3)	7.509	13605	0.087 ng/ml
39)	Aroclor 1254 (4)	7.670	32418	0.317 ng/ml
40)	Aroclor 1254 (5)	8.061	25282	0.246 ng/ml
41)	Aroclor 1254 (6)	8.357	12973	0.392 ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D. ng/ml
43)	Aroclor 1260 (1)	7.633	69093	0.574 ng/ml
44)	Aroclor 1260 (2)	7.766	23048	0.156 ng/ml
45)	Aroclor 1260 (3)	8.328	28742	0.259 ng/ml
46)	Aroclor 1260 (4)	8.500	118026	0.469 ng/ml
47)	Aroclor 1260 (5)	8.802	84736	0.518 ng/ml
48)	Aroclor 1260 (6)	9.211	28746	0.428 ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D. ng/ml
50)	Aroclor 1262 (1)	7.766	23048	0.222 ng/ml
51)	Aroclor 1262 (2)	8.092	18925	0.128 ng/ml
52)	Aroclor 1262 (3)	8.328	28742	0.230 ng/ml
53)	Aroclor 1262 (4)	8.500	118026	0.452 ng/ml
54)	Aroclor 1262 (5)	8.802	84736	0.537 ng/ml
55)	Aroclor 1262 (6)	9.211	28746	0.347 ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D. ng/ml
57)	Aroclor 1268 (1)	8.328	28742	0.426 ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_20.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 16:40
Operator :
Sample : 0K02062-IBL1
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 16:41:34 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	8.752	92935	0.313 ng/ml
59)	Aroclor 1268 (3)	8.794	76123	0.314 ng/ml
60)	Aroclor 1268 (4)	8.982	16113	0.071 ng/ml
61)	Aroclor 1268 (5)	9.211	28746	0.311 ng/ml
62)	Aroclor 1268 (6)	9.482	27573	0.045 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

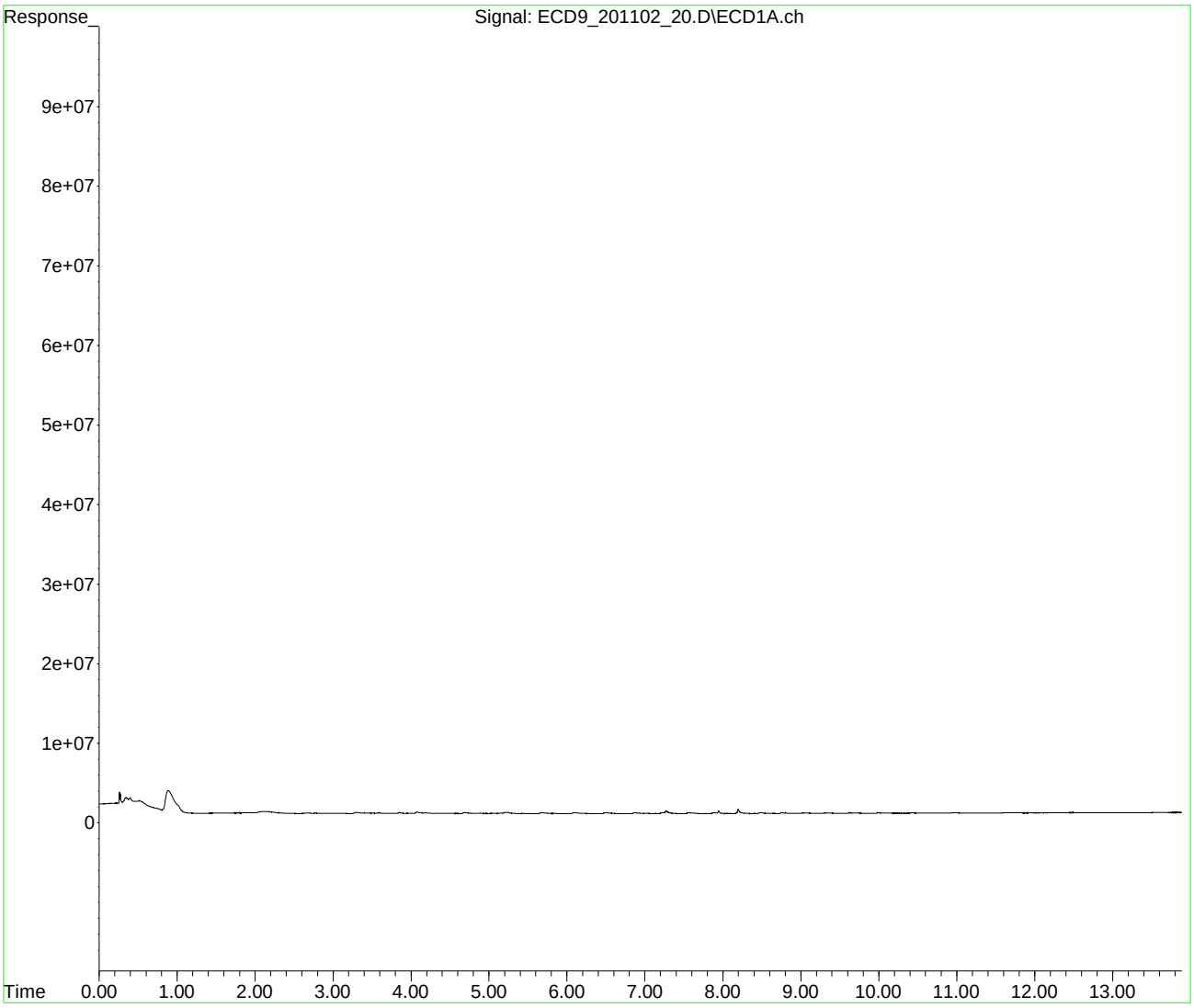
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_20.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 16:40
Operator :
Sample : 0K02062-IBL1
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 16:41:34 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_22.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 16:58
Operator :
Sample : 0K02062-ICV1
Misc :
ALS Vial : 10 Sample Multiplier: 1

KAK 11/3/2020

Integration File: PCB1.e
Quant Time: Nov 03 16:41:42 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units	
	System Monitoring Compounds					
1) S	TCMX (S)	4.889	294379989	186.668	ng/ml	
64) S	DCBP (S)	9.735	213819626	165.524	ng/ml	
	Target Compounds					
2)	Aroclor 1016 (1)	5.812	28187064	425.144	ng/ml	
3)	Aroclor 1016 (2)	6.228	51335374	448.538	ng/ml	
4)	Aroclor 1016 (3)	6.310	28869243	429.574	ng/ml	430.236
5)	Aroclor 1016 (4)	6.470	23392694	413.526	ng/ml	
6)	Aroclor 1016 (5)	6.694	28862707	430.629	ng/ml	
7)	Aroclor 1016 (6)	6.822	19934678	434.007	ng/ml	
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml	
9)	Aroclor 1221 (1)	5.245	7726280	403.018	ng/ml	
10)	Aroclor 1221 (2)	5.368	3226645	253.915	ng/ml	
11)	Aroclor 1221 (3)	5.449	15390955	379.701	ng/ml	
12)	Aroclor 1221 (4)	5.919	2582294	385.004	ng/ml	
13)	Aroclor 1221 (5)	6.228	51335374	6846.881	ng/ml	
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml	
15)	Aroclor 1232 (1)	5.449	15390955	445.721	ng/ml	
16)	Aroclor 1232 (2)	6.228	51335374	1178.161	ng/ml	
17)	Aroclor 1232 (3)	6.310	28869243	1162.812	ng/ml	
18)	Aroclor 1232 (4)	6.470	23392694	1379.320	ng/ml	
19)	Aroclor 1232 (5)	6.694	28862707	1272.183	ng/ml	
20)	Aroclor 1232 (6)	6.822	19934678	1129.642	ng/ml	
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml	
22)	Aroclor 1242 (1)	5.812	28187064	626.690	ng/ml	
23)	Aroclor 1242 (2)	6.228	51335374	653.747	ng/ml	
24)	Aroclor 1242 (3)	6.310	28869243	627.702	ng/ml	
25)	Aroclor 1242 (4)	6.470	23392694	672.235	ng/ml	
26)	Aroclor 1242 (5)	6.694	28862707	645.267	ng/ml	

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_22.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 16:58
Operator :
Sample : 0K02062-ICV1
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 16:41:42 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units	
27)	Aroclor 1242 (6)	6.822	19934678	544.071	ng/ml	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml	
29)	Aroclor 1248 (1)	6.216	45244347	958.192	ng/ml	
30)	Aroclor 1248 (2)	6.470	23392694	368.783	ng/ml	
31)	Aroclor 1248 (3)	6.694	28862707	368.860	ng/ml	
32)	Aroclor 1248 (4)	6.989	4696455	53.673	ng/ml	
33)	Aroclor 1248 (5)	7.026	21778069	240.379	ng/ml	
34)	Aroclor 1248 (6)	7.518	41719168	931.459	ng/ml	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml	
36)	Aroclor 1254 (1)	7.026	21778069	248.801	ng/ml	
37)	Aroclor 1254 (2)	7.136	22041091	216.840	ng/ml	
38)	Aroclor 1254 (3)	7.518	41719168	267.361	ng/ml	
39)	Aroclor 1254 (4)	7.677	4640267	45.412	ng/ml	
40)	Aroclor 1254 (5)	8.063	59853729	581.387	ng/ml	
41)	Aroclor 1254 (6)	8.359	6636380	200.416	ng/ml	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml	
43)	Aroclor 1260 (1)	7.632	59091422	490.866	ng/ml	
44)	Aroclor 1260 (2)	7.765	72598093	489.874	ng/ml	
45)	Aroclor 1260 (3)	8.329	47083991	423.916	ng/ml	431.566
46)	Aroclor 1260 (4)	8.500	105958118	421.347	ng/ml	
47)	Aroclor 1260 (5)	8.804	69721767	426.171	ng/ml	
48)	Aroclor 1260 (6)	9.210	22667815	337.223	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	7.765	72598093	698.820	ng/ml	
51)	Aroclor 1262 (2)	8.094	43510577	294.690	ng/ml	
52)	Aroclor 1262 (3)	8.329	47083991	377.452	ng/ml	
53)	Aroclor 1262 (4)	8.500	105958118	405.440	ng/ml	
54)	Aroclor 1262 (5)	8.804	69721767	441.871	ng/ml	
55)	Aroclor 1262 (6)	9.210	22667815	273.708	ng/ml	
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml	
57)	Aroclor 1268 (1)	8.329	47083991	697.202	ng/ml	

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_22.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 16:58
Operator :
Sample : 0K02062-ICV1
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 16:41:42 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	8.751	20591722	69.386	ng/ml
59)	Aroclor 1268 (3)	8.804	69721767	287.559	ng/ml
60)	Aroclor 1268 (4)	8.985	5892204	25.900	ng/ml
61)	Aroclor 1268 (5)	9.210	22667815	245.590	ng/ml
62)	Aroclor 1268 (6)	9.483	14177260	23.007	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

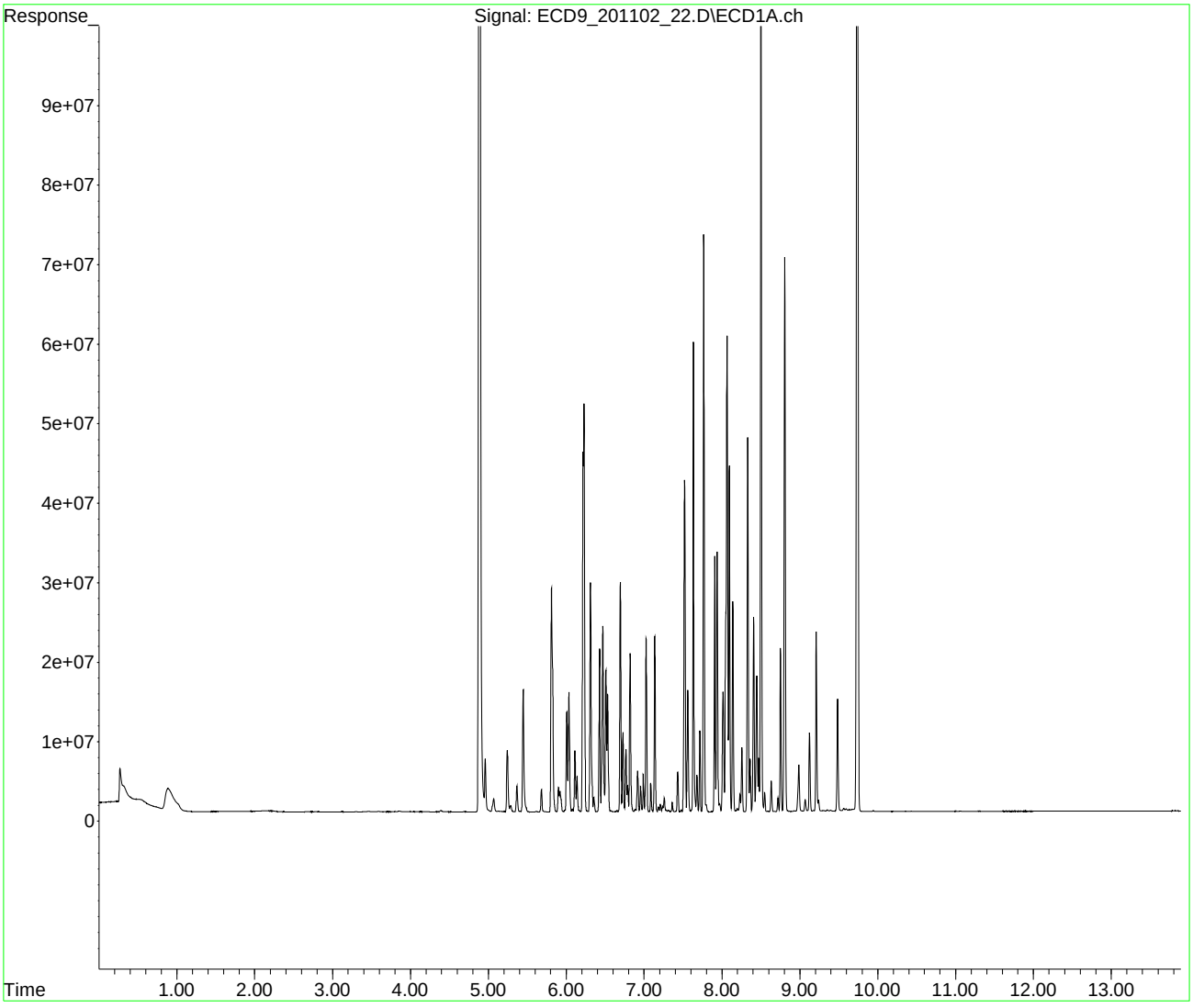
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_22.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 16:58
Operator :
Sample : 0K02062-ICV1
Misc :
ALS Vial : 10 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 16:41:42 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_38.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 19:21
Operator :
Sample : 0K02062-ICV2
Misc :
ALS Vial : 18 Sample Multiplier: 1

KAK 11/3/2020

Integration File: PCB1.e
Quant Time: Nov 03 16:41:51 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units	
	System Monitoring Compounds					
1) S	TCMX (S)	4.888	63996832	40.581	ng/ml	
64) S	DCBP (S)	9.734	112817214	87.335	ng/ml	
	Target Compounds					
2)	Aroclor 1016 (1)	5.811	7066624	106.586	ng/ml	
3)	Aroclor 1016 (2)	6.228	8010440	69.990	ng/ml	
4)	Aroclor 1016 (3)	6.310	5251954	78.149	ng/ml	
5)	Aroclor 1016 (4)	6.470	26897466	475.481	ng/ml	
6)	Aroclor 1016 (5)	6.693	16740598	249.768	ng/ml	
7)	Aroclor 1016 (6)	6.822	7554977	164.483	ng/ml	
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml	
9)	Aroclor 1221 (1)	5.248	20444329	1066.417	ng/ml	
10)	Aroclor 1221 (2)	5.367	12511282	984.552	ng/ml	
11)	Aroclor 1221 (3)	5.448	41832491	1032.023	ng/ml	1024.042
12)	Aroclor 1221 (4)	5.919	6498071	968.822	ng/ml	
13)	Aroclor 1221 (5)	6.228	8010440	1068.396	ng/ml	
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml	
15)	Aroclor 1232 (1)	5.448	41832491	1211.465	ng/ml	
16)	Aroclor 1232 (2)	6.228	8010440	183.842	ng/ml	
17)	Aroclor 1232 (3)	6.310	5251954	211.541	ng/ml	
18)	Aroclor 1232 (4)	6.470	26897466	1585.975	ng/ml	
19)	Aroclor 1232 (5)	6.693	16740598	737.876	ng/ml	
20)	Aroclor 1232 (6)	6.822	7554977	428.119	ng/ml	
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml	
22)	Aroclor 1242 (1)	5.811	7066624	157.114	ng/ml	
23)	Aroclor 1242 (2)	6.228	8010440	102.012	ng/ml	
24)	Aroclor 1242 (3)	6.310	5251954	114.193	ng/ml	
25)	Aroclor 1242 (4)	6.470	26897466	772.952	ng/ml	
26)	Aroclor 1242 (5)	6.693	16740598	374.260	ng/ml	

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_38.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 19:21
Operator :
Sample : 0K02062-ICV2
Misc :
ALS Vial : 18 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 16:41:51 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units	
27)	Aroclor 1242 (6)	6.822	7554977	206.196	ng/ml	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml	
29)	Aroclor 1248 (1)	6.216	6893833	145.999	ng/ml	
30)	Aroclor 1248 (2)	6.470	26897466	424.035	ng/ml	
31)	Aroclor 1248 (3)	6.693	16740598	213.942	ng/ml	
32)	Aroclor 1248 (4)	6.990	24621689	281.386	ng/ml	
33)	Aroclor 1248 (5)	7.026	48848662	539.176	ng/ml	
34)	Aroclor 1248 (6)	7.510	76607313	1710.403	ng/ml	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml	
36)	Aroclor 1254 (1)	7.026	48848662	558.067	ng/ml	
37)	Aroclor 1254 (2)	7.136	52484404	516.341	ng/ml	
38)	Aroclor 1254 (3)	7.510	76607313	490.944	ng/ml	510.973
39)	Aroclor 1254 (4)	7.677	51064449	499.744	ng/ml	
40)	Aroclor 1254 (5)	8.062	53059176	515.389	ng/ml	
41)	Aroclor 1254 (6)	8.358	16071387	485.350	ng/ml	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml	
43)	Aroclor 1260 (1)	7.631	30231267	251.128	ng/ml	
44)	Aroclor 1260 (2)	7.764	33427376	225.560	ng/ml	
45)	Aroclor 1260 (3)	8.328	4761432	42.869	ng/ml	
46)	Aroclor 1260 (4)	8.499	11049111	43.937	ng/ml	
47)	Aroclor 1260 (5)	8.803	9135713	55.842	ng/ml	
48)	Aroclor 1260 (6)	9.208	722756	10.752	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	7.764	33427376	321.768	ng/ml	
51)	Aroclor 1262 (2)	8.092	3523063	23.861	ng/ml	
52)	Aroclor 1262 (3)	8.328	4761432	38.170	ng/ml	
53)	Aroclor 1262 (4)	8.499	11049111	42.278	ng/ml	
54)	Aroclor 1262 (5)	8.803	9135713	57.899	ng/ml	
55)	Aroclor 1262 (6)	9.208	722756	8.727	ng/ml	
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml	
57)	Aroclor 1268 (1)	8.328	4761432	70.505	ng/ml	

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_38.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 19:21
Operator :
Sample : 0K02062-ICV2
Misc :
ALS Vial : 18 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 16:41:51 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	8.749	639918	2.156	ng/ml
59)	Aroclor 1268 (3)	8.803	9135713	37.679	ng/ml
60)	Aroclor 1268 (4)	8.972	543672	2.390	ng/ml
61)	Aroclor 1268 (5)	9.208	722756	7.831	ng/ml
62)	Aroclor 1268 (6)	9.482	409801	0.665	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

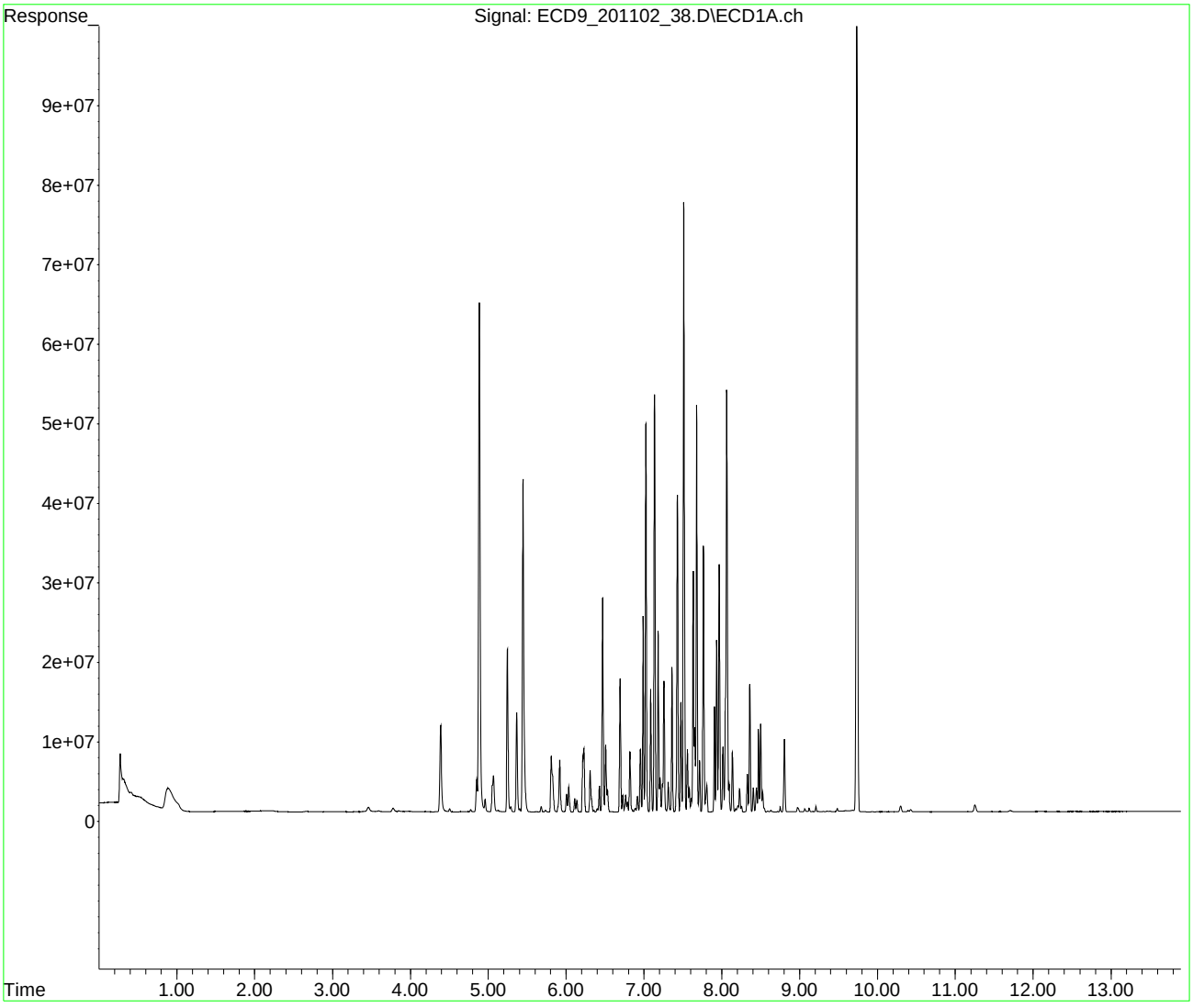
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_38.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 19:21
Operator :
Sample : 0K02062-ICV2
Misc :
ALS Vial : 18 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 16:41:51 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_40.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 19:39
Operator :
Sample : 0K02062-ICV3
Misc :
ALS Vial : 19 Sample Multiplier: 1

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Integration File: PCB1.e
Quant Time: Nov 03 16:42:00 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units	
	System Monitoring Compounds					
1) S	TCMX (S)	4.887	66303061	42.043	ng/ml	
64) S	DCBP (S)	9.734	117581129	91.023	ng/ml	
	Target Compounds					
2)	Aroclor 1016 (1)	5.812	13597152	205.085	ng/ml	
3)	Aroclor 1016 (2)	6.228	23610144	206.291	ng/ml	
4)	Aroclor 1016 (3)	6.310	13614779	202.588	ng/ml	
5)	Aroclor 1016 (4)	6.469	9639478	170.402	ng/ml	
6)	Aroclor 1016 (5)	6.694	12332939	184.006	ng/ml	
7)	Aroclor 1016 (6)	6.821	9840831	214.249	ng/ml	
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml	
9)	Aroclor 1221 (1)	5.249	6913979	360.647	ng/ml	
10)	Aroclor 1221 (2)	5.367	4971228	391.202	ng/ml	
11)	Aroclor 1221 (3)	5.449	17658614	435.644	ng/ml	
12)	Aroclor 1221 (4)	5.919	2917012	434.908	ng/ml	
13)	Aroclor 1221 (5)	6.228	23610144	3149.014	ng/ml	
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml	
15)	Aroclor 1232 (1)	5.449	17658614	511.392	ng/ml	
16)	Aroclor 1232 (2)	6.228	23610144	541.859	ng/ml	
17)	Aroclor 1232 (3)	6.310	13614779	548.384	ng/ml	545.211
18)	Aroclor 1232 (4)	6.469	9639478	568.380	ng/ml	
19)	Aroclor 1232 (5)	6.694	12332939	543.599	ng/ml	
20)	Aroclor 1232 (6)	6.821	9840831	557.652	ng/ml	
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml	
22)	Aroclor 1242 (1)	5.812	13597152	302.309	ng/ml	
23)	Aroclor 1242 (2)	6.228	23610144	300.671	ng/ml	
24)	Aroclor 1242 (3)	6.310	13614779	296.025	ng/ml	
25)	Aroclor 1242 (4)	6.469	9639478	277.010	ng/ml	
26)	Aroclor 1242 (5)	6.694	12332939	275.720	ng/ml	

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_40.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 19:39
Operator :
Sample : 0K02062-ICV3
Misc :
ALS Vial : 19 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 16:42:00 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units	
27)	Aroclor 1242 (6)	6.821	9840831	268.583	ng/ml	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml	
29)	Aroclor 1248 (1)	6.216	19681390	416.816	ng/ml	
30)	Aroclor 1248 (2)	6.469	9639478	151.965	ng/ml	
31)	Aroclor 1248 (3)	6.694	12332939	157.613	ng/ml	
32)	Aroclor 1248 (4)	6.989	12762960	145.860	ng/ml	
33)	Aroclor 1248 (5)	7.027	17590885	194.162	ng/ml	
34)	Aroclor 1248 (6)	7.519	38306459	855.264	ng/ml	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml	
36)	Aroclor 1254 (1)	7.027	17590885	200.965	ng/ml	
37)	Aroclor 1254 (2)	7.135	10686506	105.134	ng/ml	
38)	Aroclor 1254 (3)	7.519	38306459	245.490	ng/ml	
39)	Aroclor 1254 (4)	7.677	4136293	40.480	ng/ml	
40)	Aroclor 1254 (5)	8.062	26926301	261.548	ng/ml	
41)	Aroclor 1254 (6)	8.359	1713869	51.758	ng/ml	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml	
43)	Aroclor 1260 (1)	7.631	44869931	372.729	ng/ml	
44)	Aroclor 1260 (2)	7.765	55194486	372.439	ng/ml	
45)	Aroclor 1260 (3)	8.328	64645913	582.033	ng/ml	
46)	Aroclor 1260 (4)	8.500	136304376	542.020	ng/ml	
47)	Aroclor 1260 (5)	8.802	79594495	486.518	ng/ml	
48)	Aroclor 1260 (6)	9.209	42924818	638.582	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	7.765	55194486	531.295	ng/ml	
51)	Aroclor 1262 (2)	8.093	72819211	493.193	ng/ml	
52)	Aroclor 1262 (3)	8.328	64645913	518.238	ng/ml	514.505
53)	Aroclor 1262 (4)	8.500	136304376	521.557	ng/ml	
54)	Aroclor 1262 (5)	8.802	79594495	504.440	ng/ml	
55)	Aroclor 1262 (6)	9.209	42924818	518.307	ng/ml	
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml	
57)	Aroclor 1268 (1)	8.328	64645913	957.252	ng/ml	

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_40.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 19:39
Operator :
Sample : 0K02062-ICV3
Misc :
ALS Vial : 19 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 16:42:00 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	8.750	51352113	173.036	ng/ml
59)	Aroclor 1268 (3)	8.802	79594495	328.278	ng/ml
60)	Aroclor 1268 (4)	8.984	3825666	16.816	ng/ml
61)	Aroclor 1268 (5)	9.209	42924818	465.061	ng/ml
62)	Aroclor 1268 (6)	9.482	13417415	21.774	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

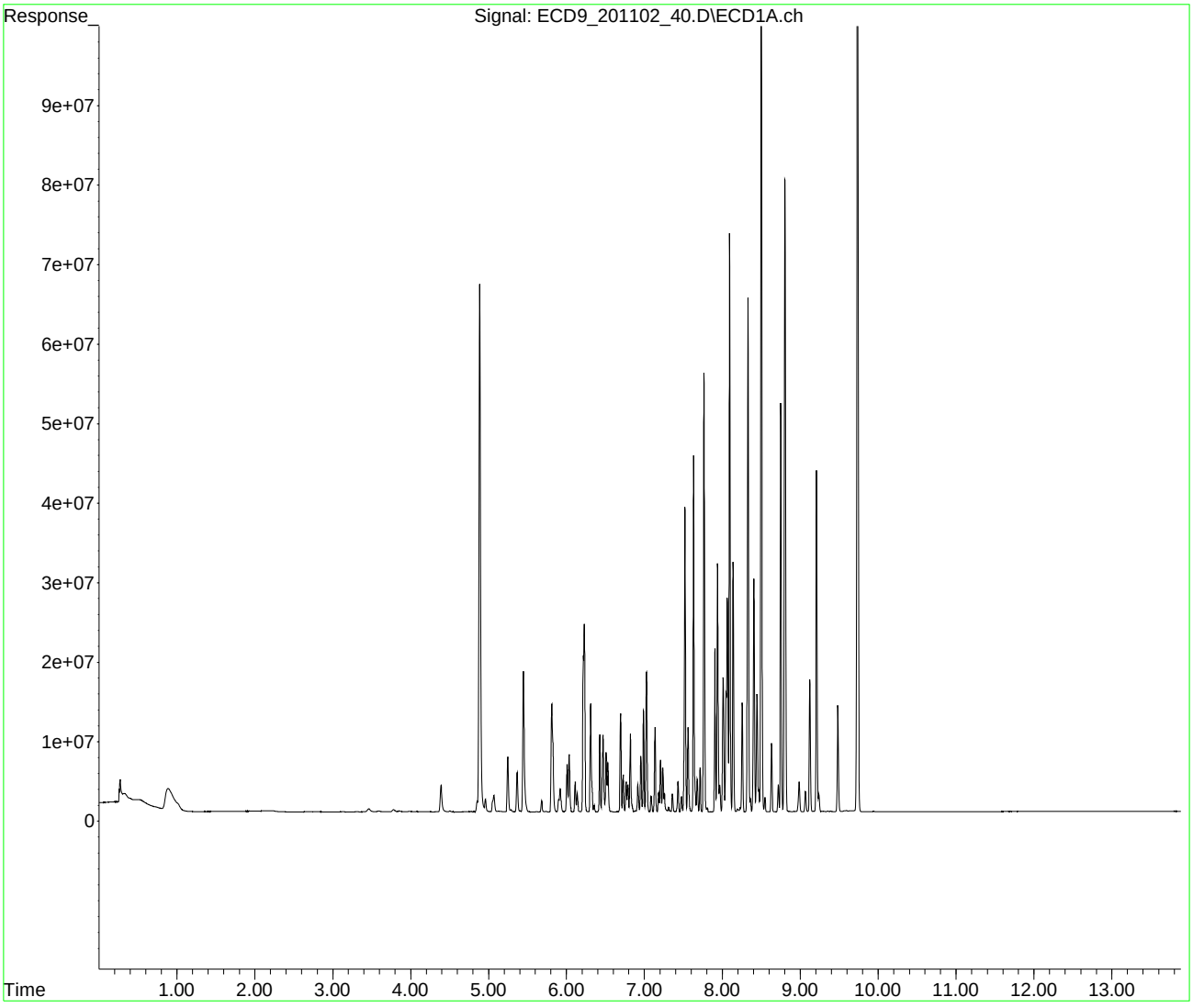
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_40.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 19:39
Operator :
Sample : 0K02062-ICV3
Misc :
ALS Vial : 19 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 16:42:00 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_42.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 19:57
Operator :
Sample : 0K02062-ICV4
Misc :
ALS Vial : 20 Sample Multiplier: 1

KAK 11/3/2020

Integration File: PCB1.e
Quant Time: Nov 03 16:42:09 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	4.888	69123916	43.832	ng/ml
64) S	DCBP (S)	9.733	54461822	42.161	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.812	24147412	364.214	ng/ml
3)	Aroclor 1016 (2)	6.228	44999761	393.181	ng/ml
4)	Aroclor 1016 (3)	6.310	24978188	371.675	ng/ml
5)	Aroclor 1016 (4)	6.470	18639091	329.493	ng/ml
6)	Aroclor 1016 (5)	6.693	24354673	363.370	ng/ml
7)	Aroclor 1016 (6)	6.821	19948712	434.313	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.249	2795956	145.843	ng/ml
10)	Aroclor 1221 (2)	5.368	2972850	233.943	ng/ml
11)	Aroclor 1221 (3)	5.448	13086059	322.838	ng/ml
12)	Aroclor 1221 (4)	5.919	2216928	330.530	ng/ml
13)	Aroclor 1221 (5)	6.228	44999761	6001.865	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	5.448	13086059	378.971	ng/ml
16)	Aroclor 1232 (2)	6.228	44999761	1032.757	ng/ml
17)	Aroclor 1232 (3)	6.310	24978188	1006.086	ng/ml
18)	Aroclor 1232 (4)	6.470	18639091	1099.030	ng/ml
19)	Aroclor 1232 (5)	6.693	24354673	1073.482	ng/ml
20)	Aroclor 1232 (6)	6.821	19948712	1130.437	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	5.812	24147412	536.876	ng/ml
23)	Aroclor 1242 (2)	6.228	44999761	573.064	ng/ml
24)	Aroclor 1242 (3)	6.310	24978188	543.099	ng/ml
25)	Aroclor 1242 (4)	6.470	18639091	535.631	ng/ml
26)	Aroclor 1242 (5)	6.693	24354673	544.483	ng/ml

546.268

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_42.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 19:57
Operator :
Sample : 0K02062-ICV4
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 16:42:09 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	6.821	19948712	544.454	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	6.217	36403221	770.953	ng/ml
30)	Aroclor 1248 (2)	6.470	18639091	293.843	ng/ml
31)	Aroclor 1248 (3)	6.693	24354673	311.249	ng/ml
32)	Aroclor 1248 (4)	6.989	23833111	272.374	ng/ml
33)	Aroclor 1248 (5)	7.028	25397523	280.330	ng/ml
34)	Aroclor 1248 (6)	7.510	7599609	169.676	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	7.028	25397523	290.151	ng/ml
37)	Aroclor 1254 (2)	7.135	5455699	53.673	ng/ml
38)	Aroclor 1254 (3)	7.510	7599609	48.703	ng/ml
39)	Aroclor 1254 (4)	7.676	5412261	52.967	ng/ml
40)	Aroclor 1254 (5)	8.062	1024872	9.955	ng/ml
41)	Aroclor 1254 (6)	8.358	426430	12.878	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	7.634	1253347	10.411	ng/ml
44)	Aroclor 1260 (2)	7.764	1051391	7.095	ng/ml
45)	Aroclor 1260 (3)	8.321	35308059	317.892	ng/ml
46)	Aroclor 1260 (4)	8.499	16232819	64.550	ng/ml
47)	Aroclor 1260 (5)	8.797	129883428	793.907	ng/ml
48)	Aroclor 1260 (6)	9.208	49262488	732.865	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	7.764	1051391	10.121	ng/ml
51)	Aroclor 1262 (2)	8.093	29402474	199.138	ng/ml
52)	Aroclor 1262 (3)	8.321	35308059	283.049	ng/ml
53)	Aroclor 1262 (4)	8.499	16232819	62.114	ng/ml
54)	Aroclor 1262 (5)	8.797	129883428	823.153	ng/ml
55)	Aroclor 1262 (6)	9.208	49262488	594.833	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	8.321	35308059	522.828	ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_42.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 19:57
Operator :
Sample : 0K02062-ICV4
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 16:42:09 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units	
58)	Aroclor 1268 (2)	8.750	151715468	511.220	ng/ml	
59)	Aroclor 1268 (3)	8.797	129883428	535.688	ng/ml	
60)	Aroclor 1268 (4)	8.984	115241514	506.551	ng/ml	516.415
61)	Aroclor 1268 (5)	9.208	49262488	533.725	ng/ml	
62)	Aroclor 1268 (6)	9.483	301002101	488.475	ng/ml	
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml	

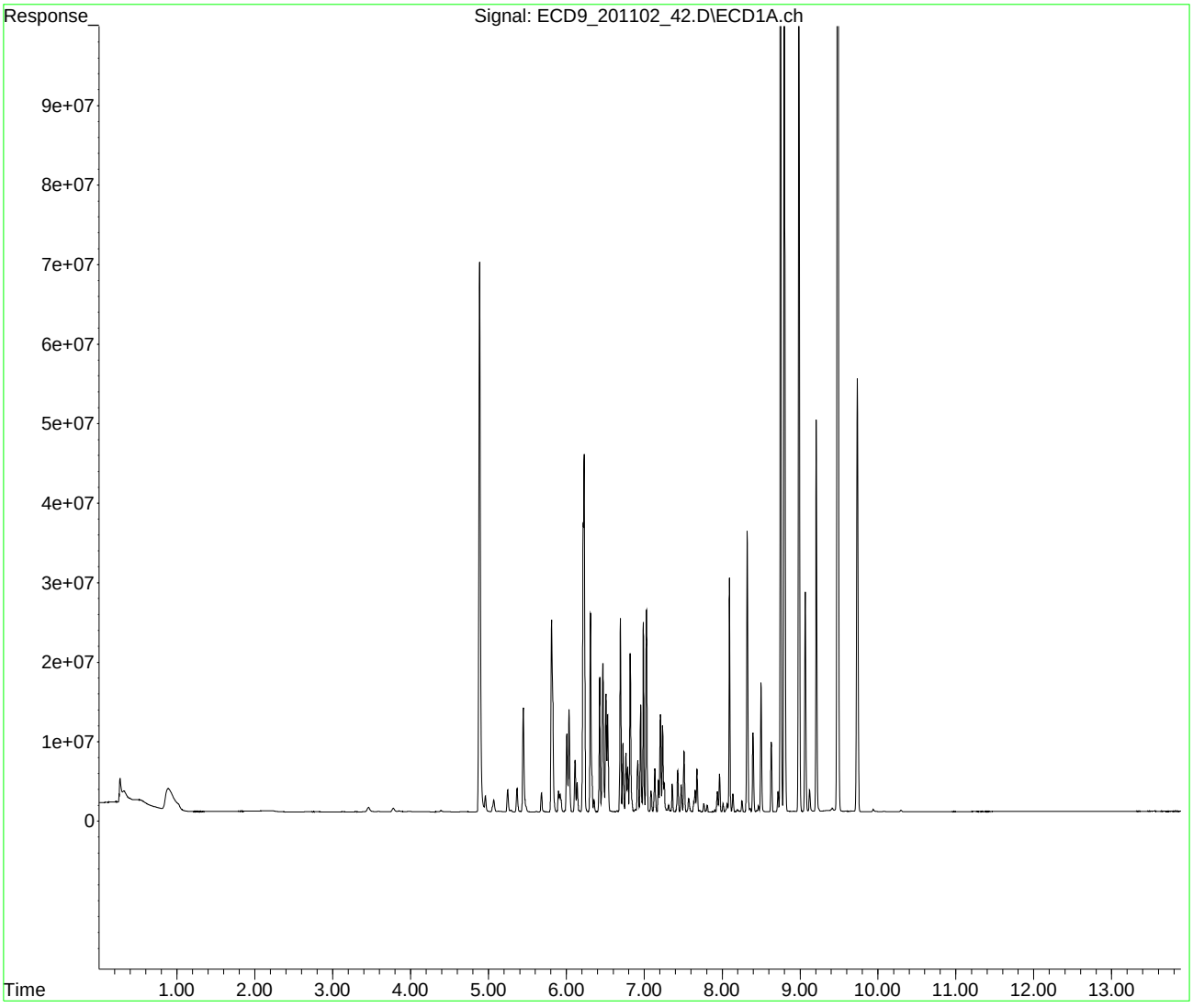
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_42.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 19:57
Operator :
Sample : 0K02062-ICV4
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 16:42:09 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_44.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 20:14
Operator :
Sample : 0K02062-ICV5
Misc :
ALS Vial : 21 Sample Multiplier: 1

KAK 11/3/2020

Integration File: PCB1.e
Quant Time: Nov 03 16:42:18 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	4.890	24281	0.015	ng/ml
64) S	DCBP (S)	9.734	42041	0.033	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.811	12037900	181.567	ng/ml
3)	Aroclor 1016 (2)	6.227	23508670	205.405	ng/ml
4)	Aroclor 1016 (3)	6.310	13620256	202.669	ng/ml
5)	Aroclor 1016 (4)	6.469	32588692	576.088	ng/ml
6)	Aroclor 1016 (5)	6.693	39007983	581.996	ng/ml
7)	Aroclor 1016 (6)	6.821	29088931	633.309	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	5.249	322536	16.824	ng/ml
10)	Aroclor 1221 (2)	5.367	270087	21.254	ng/ml
11)	Aroclor 1221 (3)	5.449	1590512	39.239	ng/ml
12)	Aroclor 1221 (4)	5.901	835669	124.593	ng/ml
13)	Aroclor 1221 (5)	6.227	23508670	3135.480	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	5.449	1590512	46.061	ng/ml
16)	Aroclor 1232 (2)	6.227	23508670	539.530	ng/ml
17)	Aroclor 1232 (3)	6.310	13620256	548.604	ng/ml
18)	Aroclor 1232 (4)	6.469	32588692	1921.551	ng/ml
19)	Aroclor 1232 (5)	6.693	39007983	1719.357	ng/ml
20)	Aroclor 1232 (6)	6.821	29088931	1648.388	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	5.811	12037900	267.642	ng/ml
23)	Aroclor 1242 (2)	6.227	23508670	299.379	ng/ml
24)	Aroclor 1242 (3)	6.310	13620256	296.144	ng/ml
25)	Aroclor 1242 (4)	6.469	32588692	936.501	ng/ml
26)	Aroclor 1242 (5)	6.693	39007983	872.079	ng/ml

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_44.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 20:14
Operator :
Sample : 0K02062-ICV5
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 16:42:18 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units	
27)	Aroclor 1242 (6)	6.821	29088931	793.916	ng/ml	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml	
29)	Aroclor 1248 (1)	6.216	24379366	516.310	ng/ml	
30)	Aroclor 1248 (2)	6.469	32588692	513.757	ng/ml	
31)	Aroclor 1248 (3)	6.693	39007983	498.515	ng/ml	509.698
32)	Aroclor 1248 (4)	6.989	43451702	496.582	ng/ml	
33)	Aroclor 1248 (5)	7.028	46838839	516.992	ng/ml	
34)	Aroclor 1248 (6)	7.509	23112608	516.033	ng/ml	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml	
36)	Aroclor 1254 (1)	7.028	46838839	535.106	ng/ml	
37)	Aroclor 1254 (2)	7.135	14524893	142.896	ng/ml	
38)	Aroclor 1254 (3)	7.509	23112608	148.119	ng/ml	
39)	Aroclor 1254 (4)	7.676	15916885	155.771	ng/ml	
40)	Aroclor 1254 (5)	8.062	3708930	36.027	ng/ml	
41)	Aroclor 1254 (6)	8.358	1459704	44.083	ng/ml	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml	
43)	Aroclor 1260 (1)	7.633	3601428	29.917	ng/ml	
44)	Aroclor 1260 (2)	7.763	2261970	15.263	ng/ml	
45)	Aroclor 1260 (3)	8.328	376969	3.394	ng/ml	
46)	Aroclor 1260 (4)	8.499	925913	3.682	ng/ml	
47)	Aroclor 1260 (5)	8.802	700503	4.282	ng/ml	
48)	Aroclor 1260 (6)	9.208	196833	2.928	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	7.763	2261970	21.773	ng/ml	
51)	Aroclor 1262 (2)	8.092	357590	2.422	ng/ml	
52)	Aroclor 1262 (3)	8.328	376969	3.022	ng/ml	
53)	Aroclor 1262 (4)	8.499	925913	3.543	ng/ml	
54)	Aroclor 1262 (5)	8.802	700503	4.440	ng/ml	
55)	Aroclor 1262 (6)	9.208	196833	2.377	ng/ml	
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml	
57)	Aroclor 1268 (1)	8.328	376969	5.582	ng/ml	

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_44.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 20:14
Operator :
Sample : 0K02062-ICV5
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 16:42:18 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc Units
58)	Aroclor 1268 (2)	8.750	217708	0.734 ng/ml
59)	Aroclor 1268 (3)	8.802	700503	2.889 ng/ml
60)	Aroclor 1268 (4)	8.982	38105	0.167 ng/ml
61)	Aroclor 1268 (5)	9.208	196833	2.133 ng/ml
62)	Aroclor 1268 (6)	9.481	86528	0.140 ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D. ng/ml

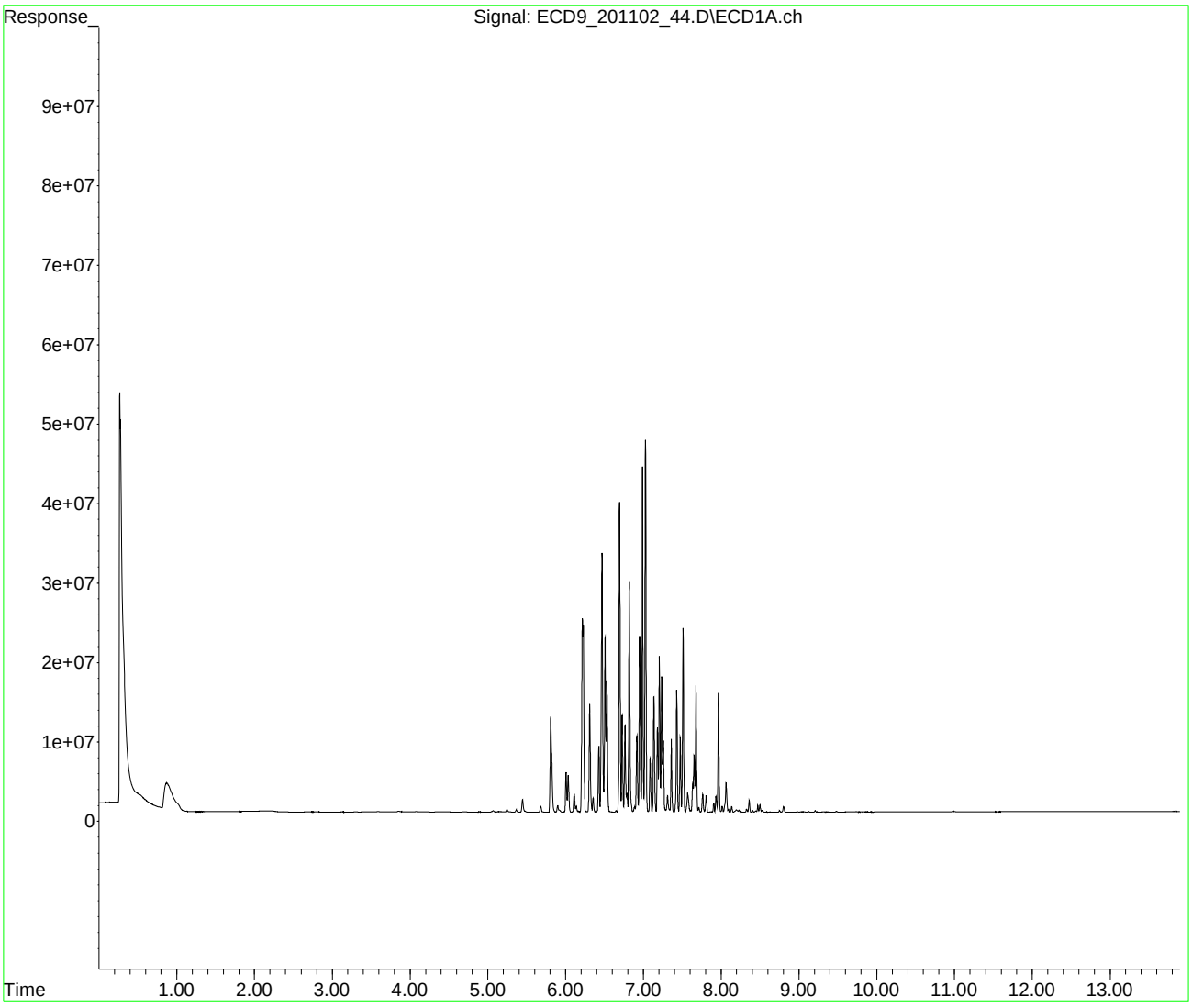
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_44.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 20:14
Operator :
Sample : 0K02062-ICV5
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 16:42:18 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\requants\
Data File : ECD9_201102_06.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 14:35
Operator :
Sample : 0K02062-CAL1
Misc :
ALS Vial : 3 Sample Multiplier: 1

KAK 11/3/2020

Integration File: PCB1.e
Quant Time: Nov 03 16:30:37 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units	
	System Monitoring Compounds					
1) S	TCMX (S)	4.888	15858615	10.056	ng/ml	✓
64) S	DCBP (S)	9.736	13676265	10.587	ng/ml	
	Target Compounds					
2)	Aroclor 1016 (1)	5.813	1602448	24.170	ng/ml	
3)	Aroclor 1016 (2)	6.228	2490655	21.762	ng/ml	
4)	Aroclor 1016 (3)	6.311	1581526	23.533	ng/ml	✓
5)	Aroclor 1016 (4)	6.470	1370910	24.234	ng/ml	
6)	Aroclor 1016 (5)	6.694	1556010	23.216	ng/ml	
7)	Aroclor 1016 (6)	6.821	1074398	23.391	ng/ml	
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml	
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld	
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld	
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld	
12)	Aroclor 1221 (4)	0.000	0	N.D.	ng/mld	
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld	
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld	
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld	
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld	
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld	
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld	
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld	
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld	
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld	
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld	
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld	
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld	
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld	
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld	

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\requants\
Data File : ECD9_201102_06.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 14:35
Operator :
Sample : 0K02062-CAL1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 16:30:37 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units	
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld	
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld	
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld	
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld	
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld	
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld	
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld	
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld	
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld	
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld	
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld	
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld	
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld	
43)	Aroclor 1260 (1)	7.631	2777043	23.069	ng/ml	
44)	Aroclor 1260 (2)	7.765	3260675	22.002	ng/ml	
45)	Aroclor 1260 (3)	8.329	2514259	22.637	ng/ml	
46)	Aroclor 1260 (4)	8.500	5350347	21.276	ng/ml	✓
47)	Aroclor 1260 (5)	8.804	3533884	21.601	ng/ml	
48)	Aroclor 1260 (6)	9.210	1521331	22.632	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld	
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld	
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld	
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld	
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld	
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld	
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld	
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld	

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\requants\
Data File : ECD9_201102_06.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 14:35
Operator :
Sample : 0K02062-CAL1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 16:30:37 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

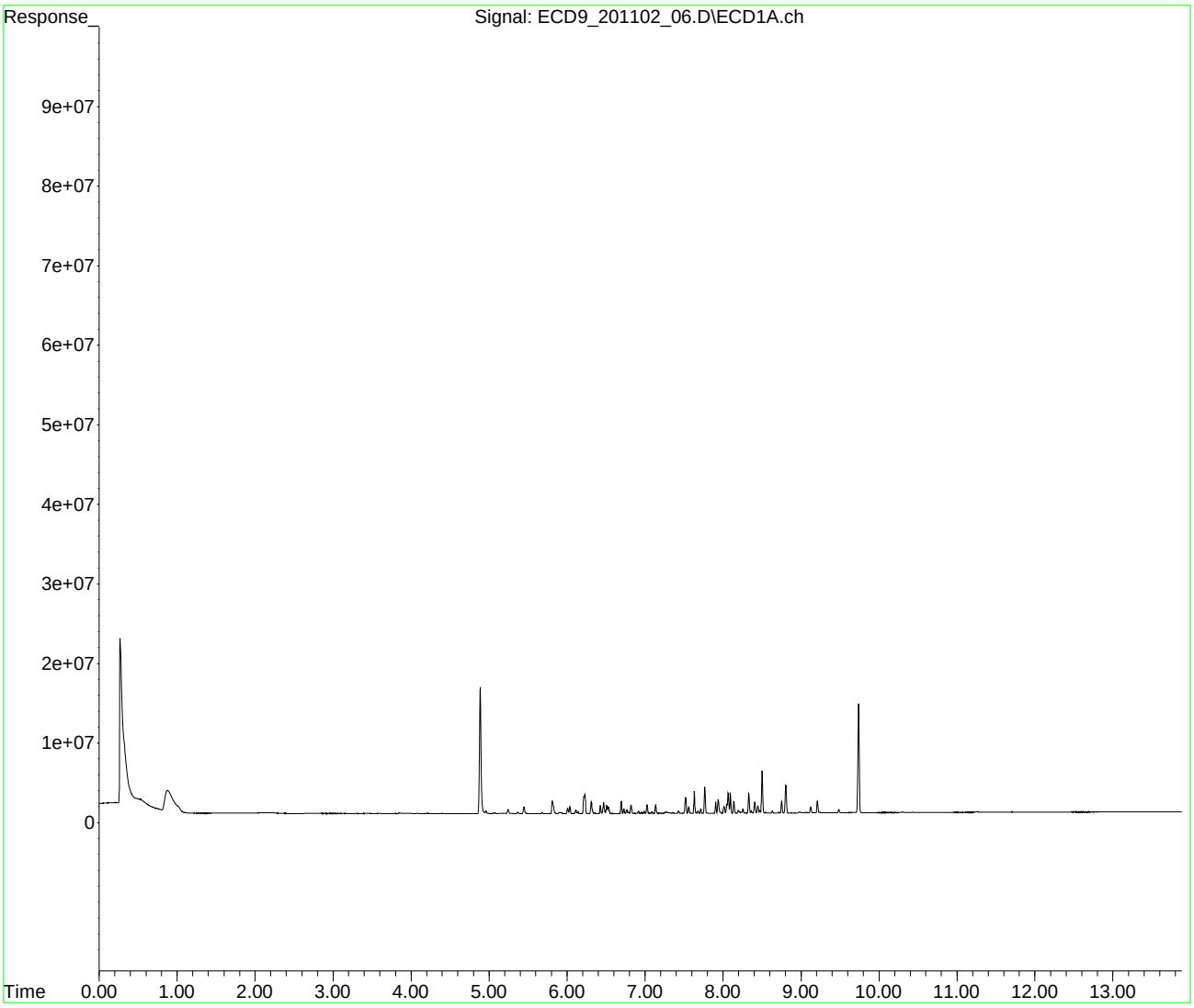
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\requants\
Data File : ECD9_201102_06.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 14:35
Operator :
Sample : 0K02062-CAL1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 16:30:37 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\requants\
Data File : ECD9_201102_08.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 14:52
Operator :
Sample : 0K02062-CAL2
Misc :
ALS Vial : 4 Sample Multiplier: 1

KAK 11/3/2020

Integration File: PCB1.e
Quant Time: Nov 03 16:31:35 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units	
	System Monitoring Compounds					
1) S	TCMX (S)	4.888	39914184	25.310	ng/ml	✓
64) S	DCBP (S)	9.735	33334916	25.806	ng/ml	
	Target Compounds					
2)	Aroclor 1016 (1)	5.812	3640856	54.915	ng/ml	
3)	Aroclor 1016 (2)	6.228	5944766	51.942	ng/ml	
4)	Aroclor 1016 (3)	6.310	3653353	54.362	ng/ml	
5)	Aroclor 1016 (4)	6.470	3137929	55.471	ng/ml	✓
6)	Aroclor 1016 (5)	6.694	3670507	54.764	ng/ml	
7)	Aroclor 1016 (6)	6.821	2482271	54.043	ng/ml	
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml	
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld	
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld	
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld	
12)	Aroclor 1221 (4)	0.000	0	N.D.	ng/mld	
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld	
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld	
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld	
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld	
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld	
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld	
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld	
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld	
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld	
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld	
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld	
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld	
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld	
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld	

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\requants\
Data File : ECD9_201102_08.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 14:52
Operator :
Sample : 0K02062-CAL2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 16:31:35 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units	
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld	
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld	
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld	
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld	
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld	
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld	
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld	
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld	
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld	
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld	
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld	
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld	
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld	
43)	Aroclor 1260 (1)	7.631	6539190	54.320	ng/ml	
44)	Aroclor 1260 (2)	7.765	7991822	53.927	ng/ml	
45)	Aroclor 1260 (3)	8.329	5931896	53.407	ng/ml	
46)	Aroclor 1260 (4)	8.500	13371488	53.172	ng/ml	✓
47)	Aroclor 1260 (5)	8.804	8638573	52.803	ng/ml	
48)	Aroclor 1260 (6)	9.209	3660388	54.455	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld	
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld	
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld	
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld	
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld	
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld	
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld	
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld	

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\requants\
Data File : ECD9_201102_08.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 14:52
Operator :
Sample : 0K02062-CAL2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 16:31:35 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

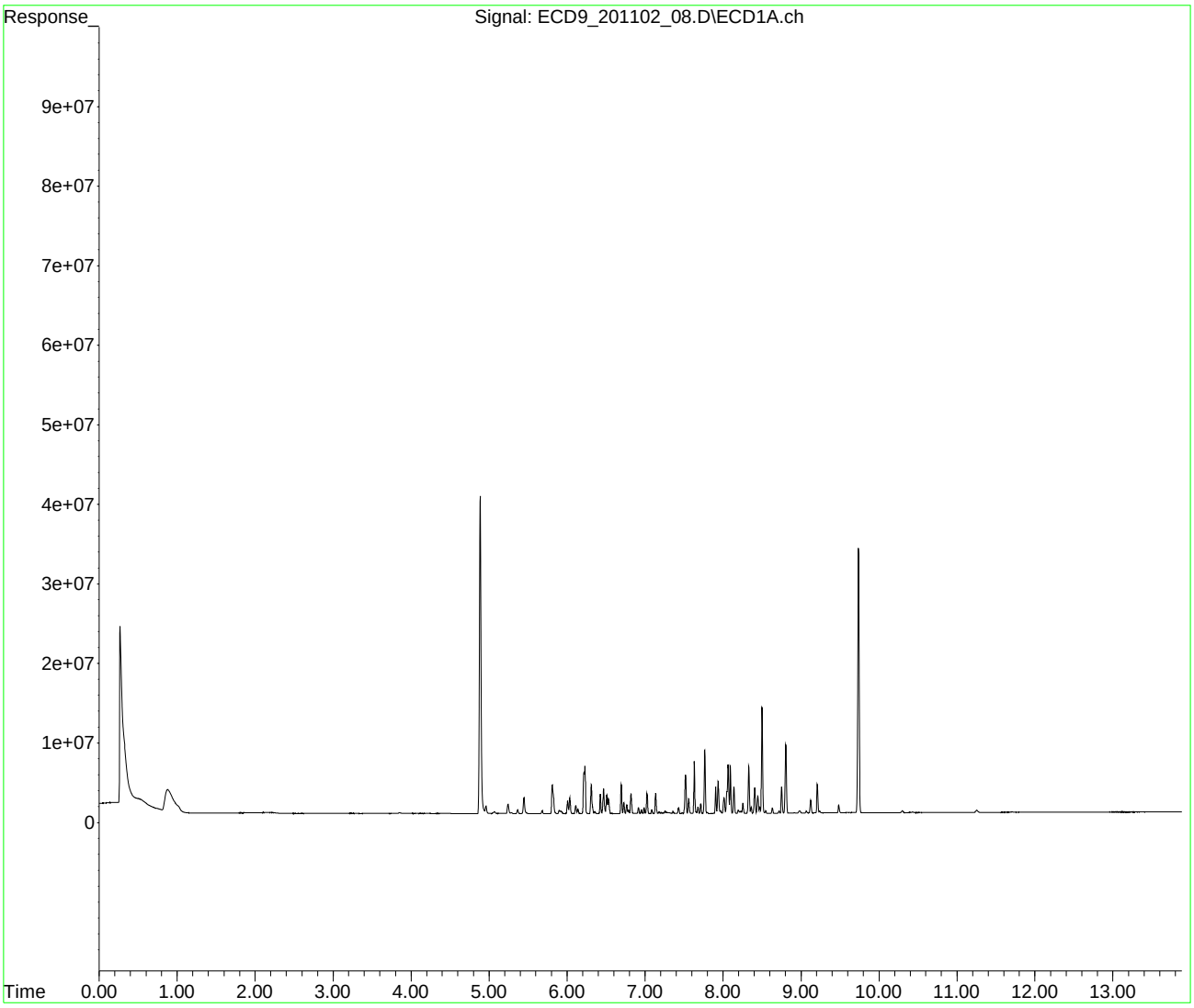
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\requants\
Data File : ECD9_201102_08.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 14:52
Operator :
Sample : 0K02062-CAL2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 16:31:35 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\requants\
Data File : ECD9_201102_10.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 15:10
Operator :
Sample : 0K02062-CAL3
Misc :
ALS Vial : 5 Sample Multiplier: 1

KAK 11/3/2020

Integration File: PCB1.e
Quant Time: Nov 03 16:32:33 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units	
	System Monitoring Compounds					
1) S	TCMX (S)	4.888	78914354	50.040	ng/ml	✓
64) S	DCBP (S)	9.736	65118101	50.410	ng/ml	
	Target Compounds					
2)	Aroclor 1016 (1)	5.812	6912917	104.267	ng/ml	
3)	Aroclor 1016 (2)	6.228	11439321	99.950	ng/ml	
4)	Aroclor 1016 (3)	6.310	6811778	101.359	ng/ml	
5)	Aroclor 1016 (4)	6.470	5687994	100.550	ng/ml	✓
6)	Aroclor 1016 (5)	6.694	6925266	103.324	ng/ml	
7)	Aroclor 1016 (6)	6.821	4695414	102.226	ng/ml	
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml	
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld	
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld	
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld	
12)	Aroclor 1221 (4)	0.000	0	N.D.	ng/mld	
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld	
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld	
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld	
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld	
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld	
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld	
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld	
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld	
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld	
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld	
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld	
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld	
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld	
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld	

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\requants\
Data File : ECD9_201102_10.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 15:10
Operator :
Sample : 0K02062-CAL3
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 16:32:33 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units	
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld	
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld	
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld	
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld	
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld	
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld	
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld	
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld	
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld	
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld	
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld	
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld	
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld	
43)	Aroclor 1260 (1)	7.632	11891463	98.781	ng/ml	
44)	Aroclor 1260 (2)	7.765	15052920	101.573	ng/ml	
45)	Aroclor 1260 (3)	8.329	11170967	100.577	ng/ml	
46)	Aroclor 1260 (4)	8.500	25784823	102.534	ng/ml	✓
47)	Aroclor 1260 (5)	8.804	16465515	100.645	ng/ml	
48)	Aroclor 1260 (6)	9.210	6838690	101.737	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld	
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld	
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld	
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld	
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld	
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld	
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld	
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld	

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\requants\
Data File : ECD9_201102_10.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 15:10
Operator :
Sample : 0K02062-CAL3
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 16:32:33 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

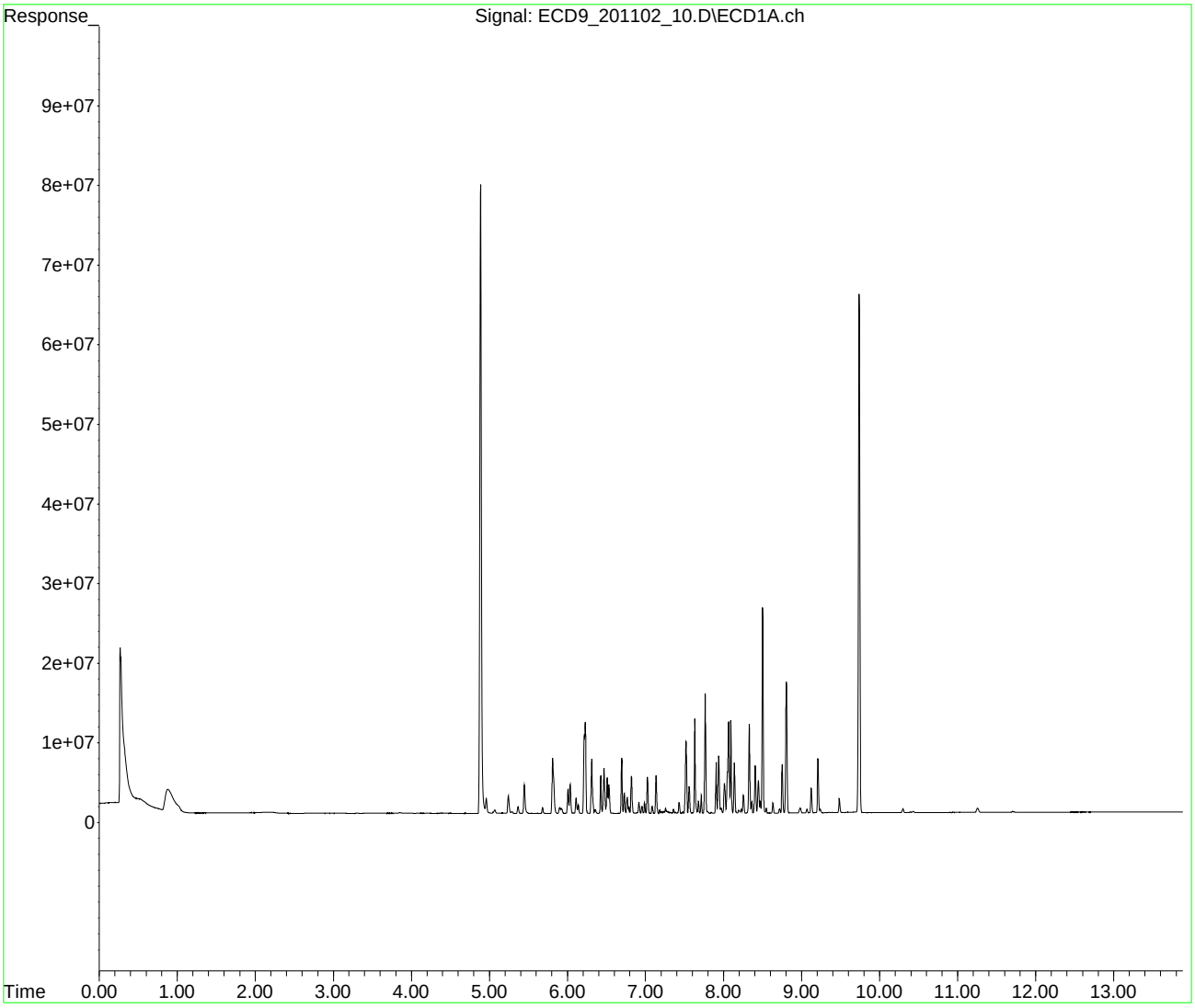
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\requants\
Data File : ECD9_201102_10.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 15:10
Operator :
Sample : 0K02062-CAL3
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 16:32:33 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\requants\
Data File : ECD9_201102_12.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 15:28
Operator :
Sample : 0K02062-CAL4
Misc :
ALS Vial : 6 Sample Multiplier: 1

KAK 11/3/2020

Integration File: PCB1.e
Quant Time: Nov 03 16:33:32 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units	
	System Monitoring Compounds					
1) S	TCMX (S)	4.888	157097351	99.616	ng/ml	✓
64) S	DCBP (S)	9.735	123707179	95.765	ng/ml	
	Target Compounds					
2)	Aroclor 1016 (1)	5.812	12693957	191.462	ng/ml	
3)	Aroclor 1016 (2)	6.228	22545695	196.991	ng/ml	
4)	Aroclor 1016 (3)	6.310	12905852	192.039	ng/ml	
5)	Aroclor 1016 (4)	6.470	10969354	193.911	ng/ml	✓
6)	Aroclor 1016 (5)	6.693	12698514	189.461	ng/ml	
7)	Aroclor 1016 (6)	6.822	8895568	193.670	ng/ml	
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml	
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld	
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld	
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld	
12)	Aroclor 1221 (4)	0.000	0	N.D.	ng/mld	
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld	
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld	
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld	
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld	
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld	
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld	
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld	
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld	
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld	
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld	
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld	
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld	
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld	
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld	

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\requants\
Data File : ECD9_201102_12.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 15:28
Operator :
Sample : 0K02062-CAL4
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 16:33:32 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units	
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld	
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld	
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld	
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld	
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld	
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld	
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld	
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld	
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld	
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld	
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld	
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld	
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld	
43)	Aroclor 1260 (1)	7.631	23254713	193.174	ng/ml	
44)	Aroclor 1260 (2)	7.765	29209846	197.101	ng/ml	
45)	Aroclor 1260 (3)	8.329	21216536	191.021	ng/ml	✓
46)	Aroclor 1260 (4)	8.501	49218709	195.720	ng/ml	
47)	Aroclor 1260 (5)	8.804	31987638	195.523	ng/ml	
48)	Aroclor 1260 (6)	9.209	13076497	194.536	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld	
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld	
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld	
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld	
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld	
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld	
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld	
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld	

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\requants\
Data File : ECD9_201102_12.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 15:28
Operator :
Sample : 0K02062-CAL4
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 16:33:32 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

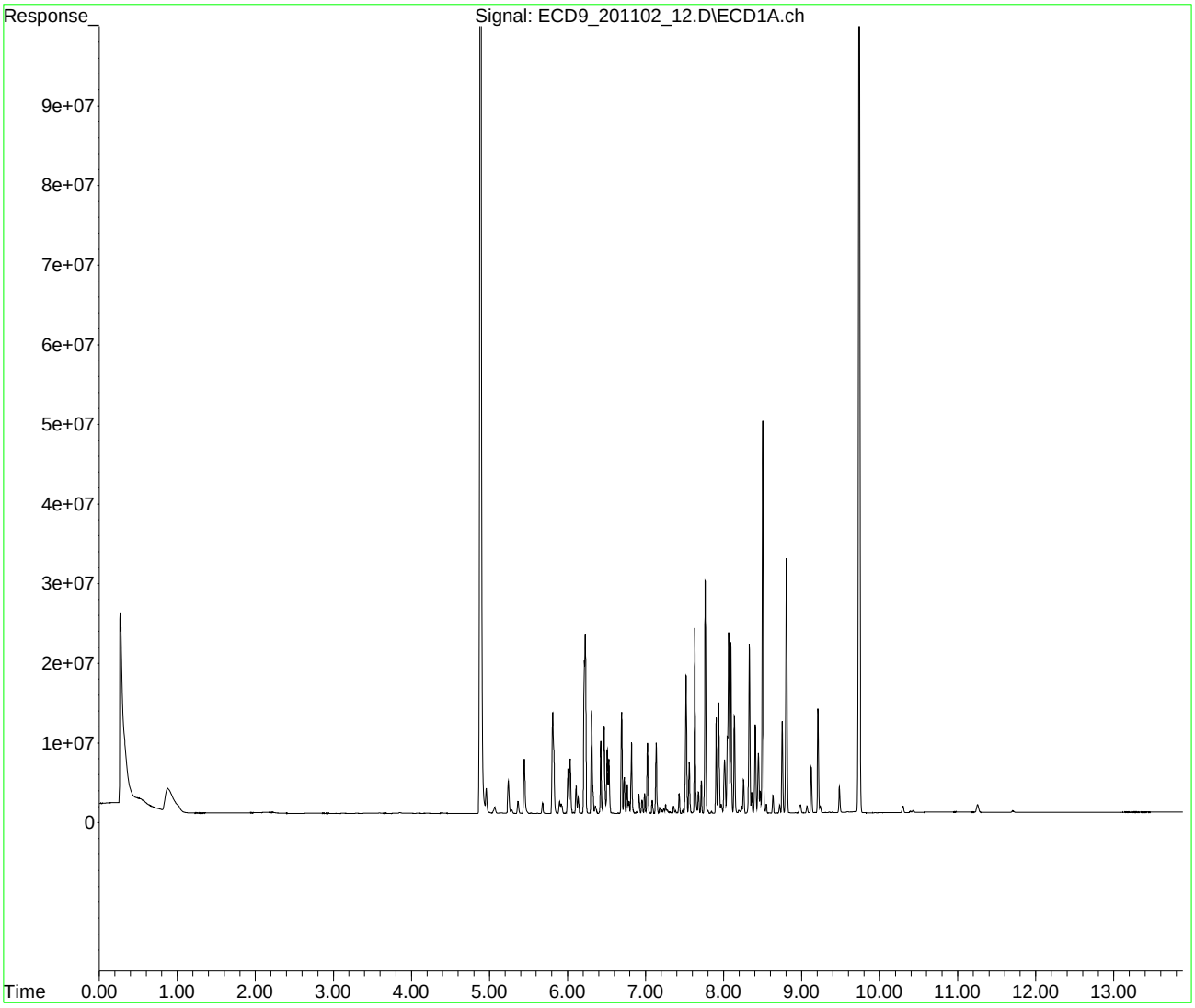
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\requants\
Data File : ECD9_201102_12.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 15:28
Operator :
Sample : 0K02062-CAL4
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 16:33:32 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\requants\
Data File : ECD9_201102_14.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 15:46
Operator :
Sample : 0K02062-CAL5
Misc :
ALS Vial : 7 Sample Multiplier: 1

KAK 11/3/2020

Integration File: PCB1.e
Quant Time: Nov 03 16:34:34 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units	
	System Monitoring Compounds					
1) S	TCMX (S)	4.888	386318300	244.966	ng/ml	✓
64) S	DCBP (S)	9.736	309028867	239.228	ng/ml	
	Target Compounds					
2)	Aroclor 1016 (1)	5.813	30509055	460.166	ng/ml	
3)	Aroclor 1016 (2)	6.228	55819832	487.720	ng/ml	
4)	Aroclor 1016 (3)	6.310	31286642	465.545	ng/ml	✓
5)	Aroclor 1016 (4)	6.469	25824149	456.508	ng/ml	
6)	Aroclor 1016 (5)	6.694	31101954	464.039	ng/ml	
7)	Aroclor 1016 (6)	6.822	21900306	476.802	ng/ml	
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml	
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld	
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld	
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld	
12)	Aroclor 1221 (4)	0.000	0	N.D.	ng/mld	
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld	
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld	
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld	
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld	
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld	
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld	
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld	
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld	
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld	
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld	
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld	
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld	
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld	
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld	

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\requants\
Data File : ECD9_201102_14.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 15:46
Operator :
Sample : 0K02062-CAL5
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 16:34:34 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units	
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld	
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld	
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld	
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld	
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld	
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld	
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld	
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld	
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld	
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld	
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld	
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld	
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld	
43)	Aroclor 1260 (1)	7.632	58010244	481.884	ng/ml	
44)	Aroclor 1260 (2)	7.765	68801446	464.255	ng/ml	
45)	Aroclor 1260 (3)	8.329	53395528	480.741	ng/ml	✓
46)	Aroclor 1260 (4)	8.500	118625911	471.721	ng/ml	
47)	Aroclor 1260 (5)	8.803	77567981	474.131	ng/ml	
48)	Aroclor 1260 (6)	9.209	31473012	468.216	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld	
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld	
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld	
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld	
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld	
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld	
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld	
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld	

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\requants\
Data File : ECD9_201102_14.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 15:46
Operator :
Sample : 0K02062-CAL5
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 16:34:34 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

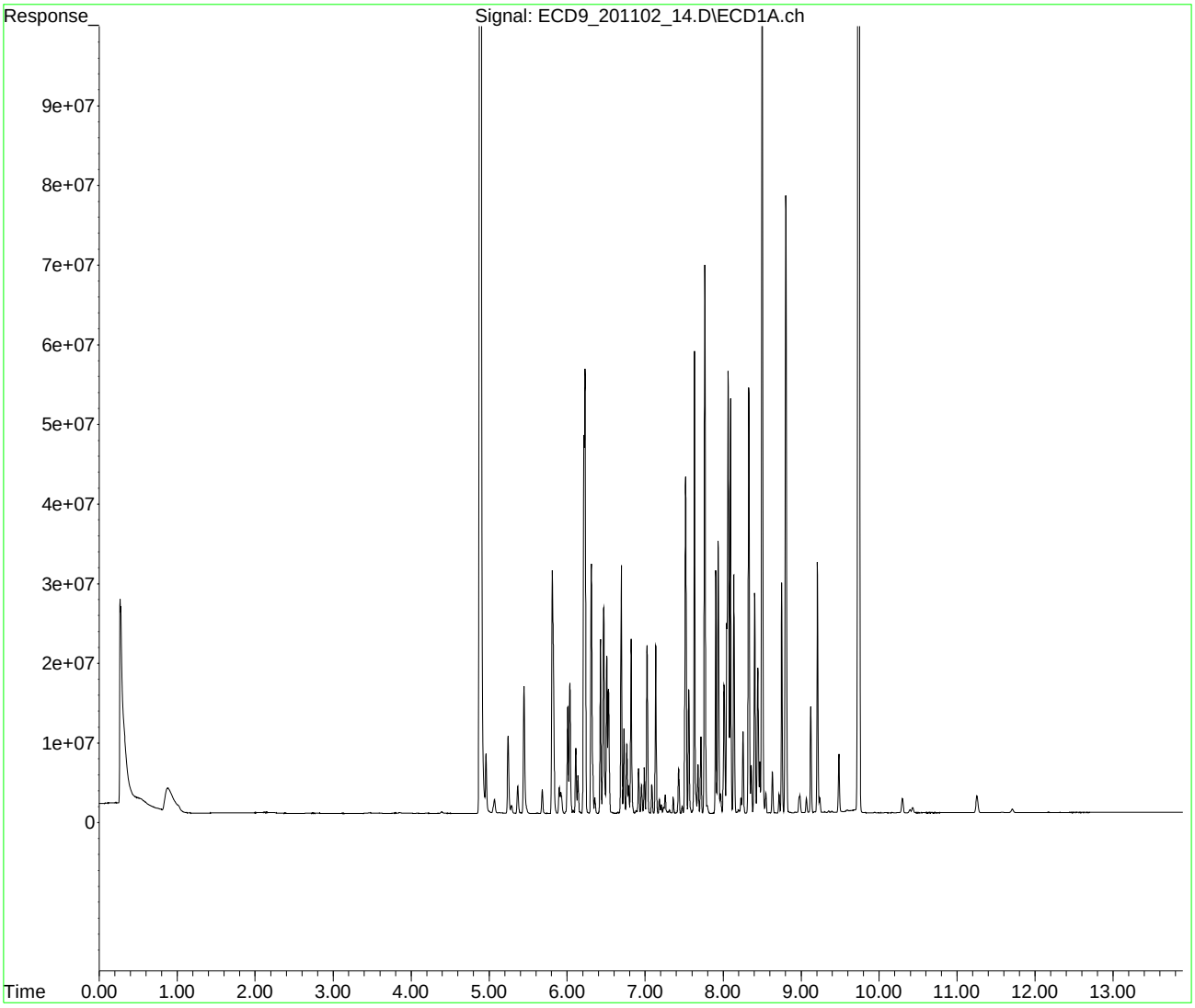
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\requants\
Data File : ECD9_201102_14.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 15:46
Operator :
Sample : 0K02062-CAL5
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 16:34:34 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\requants\
Data File : ECD9_201102_16.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 16:04
Operator :
Sample : 0K02062-CAL6
Misc :
ALS Vial : 8 Sample Multiplier: 1

KAK 11/3/2020

Integration File: PCB1.e
Quant Time: Nov 03 16:35:24 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units	
	System Monitoring Compounds					
1)	S TCMX (S)	4.888	773381405	490.404	ng/ml	✓
64)	S DCBP (S)	9.737	617132128	477.740	ng/ml	
	Target Compounds					
2)	Aroclor 1016 (1)	5.812	58513851	882.561	ng/ml	
3)	Aroclor 1016 (2)	6.228	108496210	947.974	ng/ml	
4)	Aroclor 1016 (3)	6.311	60889003	906.028	ng/ml	✓
5)	Aroclor 1016 (4)	6.470	50315871	889.461	ng/ml	
6)	Aroclor 1016 (5)	6.694	61189602	912.944	ng/ml	
7)	Aroclor 1016 (6)	6.821	41633429	906.421	ng/ml	
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml	
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld	
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld	
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld	
12)	Aroclor 1221 (4)	0.000	0	N.D.	ng/mld	
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld	
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld	
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld	
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld	
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld	
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld	
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld	
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld	
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld	
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld	
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld	
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld	
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld	
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld	

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\requants\
Data File : ECD9_201102_16.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 16:04
Operator :
Sample : 0K02062-CAL6
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 16:35:24 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units	
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld	
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld	
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld	
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld	
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld	
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld	
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld	
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld	
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld	
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld	
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld	
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld	
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld	
43)	Aroclor 1260 (1)	7.632	109854136	912.546	ng/ml	
44)	Aroclor 1260 (2)	7.766	136400508	920.396	ng/ml	
45)	Aroclor 1260 (3)	8.329	102819652	925.726	ng/ml	
46)	Aroclor 1260 (4)	8.500	235906592	938.093	ng/ml	✓
47)	Aroclor 1260 (5)	8.804	150785564	921.670	ng/ml	
48)	Aroclor 1260 (6)	9.210	61149820	909.710	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld	
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld	
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld	
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld	
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld	
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld	
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld	
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld	

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\requants\
Data File : ECD9_201102_16.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 16:04
Operator :
Sample : 0K02062-CAL6
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 16:35:24 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

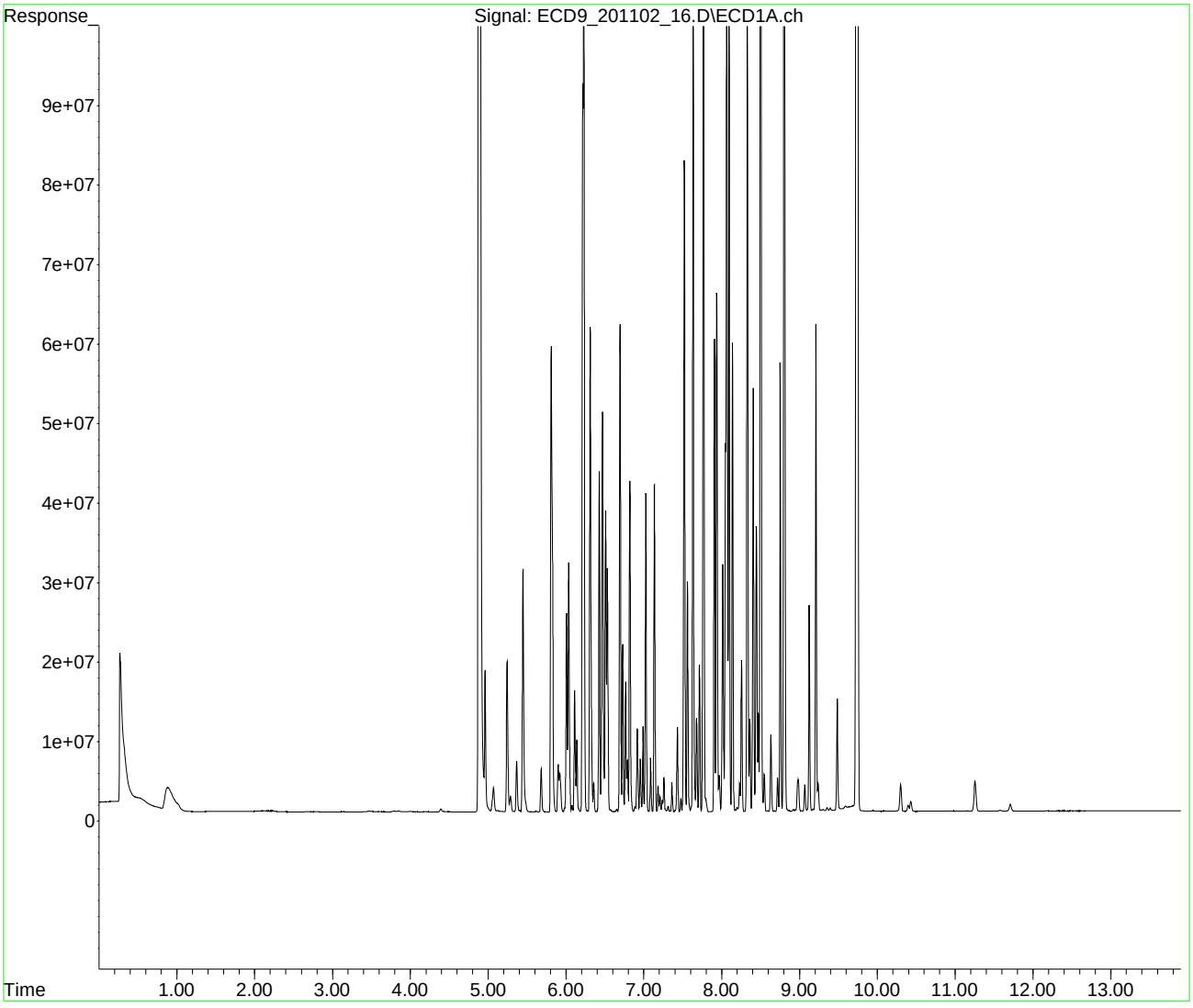
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\requants\
Data File : ECD9_201102_16.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 16:04
Operator :
Sample : 0K02062-CAL6
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 16:35:24 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\requants\
Data File : ECD9_201102_18.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 16:22
Operator :
Sample : 0K02062-CAL7 KAK 11/3/2020
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 16:36:30 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units	
	System Monitoring Compounds					
1)	S TCMX (S)	4.890	1292373957	819.500	ng/ml	✓
64)	S DCBP (S)	9.737	1065262475	824.651	ng/ml	
	Target Compounds					
2)	Aroclor 1016 (1)	5.813	88544787	1335.516	ng/ml	
3)	Aroclor 1016 (2)	6.229	165702567	1447.809	ng/ml	
4)	Aroclor 1016 (3)	6.311	93266324	1387.803	ng/ml	✓
5)	Aroclor 1016 (4)	6.470	76481258	1352.001	ng/ml	
6)	Aroclor 1016 (5)	6.695	92733245	1383.572	ng/ml	
7)	Aroclor 1016 (6)	6.822	61935334	1348.424	ng/ml	
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml	
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld	
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld	
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld	
12)	Aroclor 1221 (4)	0.000	0	N.D.	ng/mld	
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld	
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld	
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld	
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld	
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld	
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld	
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld	
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld	
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld	
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld	
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld	
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld	
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld	
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld	

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\requants\
Data File : ECD9_201102_18.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 16:22
Operator :
Sample : 0K02062-CAL7
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 16:36:30 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units	
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld	
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld	
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld	
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld	
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld	
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld	
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld	
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld	
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld	
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld	
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld	
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld	
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld	
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld	
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld	
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld	
43)	Aroclor 1260 (1)	7.632	167963725	1395.255	ng/ml	
44)	Aroclor 1260 (2)	7.766	215896508	1456.815	ng/ml	
45)	Aroclor 1260 (3)	8.330	158595544	1427.899	ng/ml	✓
46)	Aroclor 1260 (4)	8.500	372414071	1480.920	ng/ml	
47)	Aroclor 1260 (5)	8.804	247833404	1514.870	ng/ml	
48)	Aroclor 1260 (6)	9.210	95090290	1414.634	ng/ml	
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml	
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld	
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld	
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld	
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld	
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld	
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld	
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld	
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld	

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\requants\
Data File : ECD9_201102_18.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 16:22
Operator :
Sample : 0K02062-CAL7
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 16:36:30 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

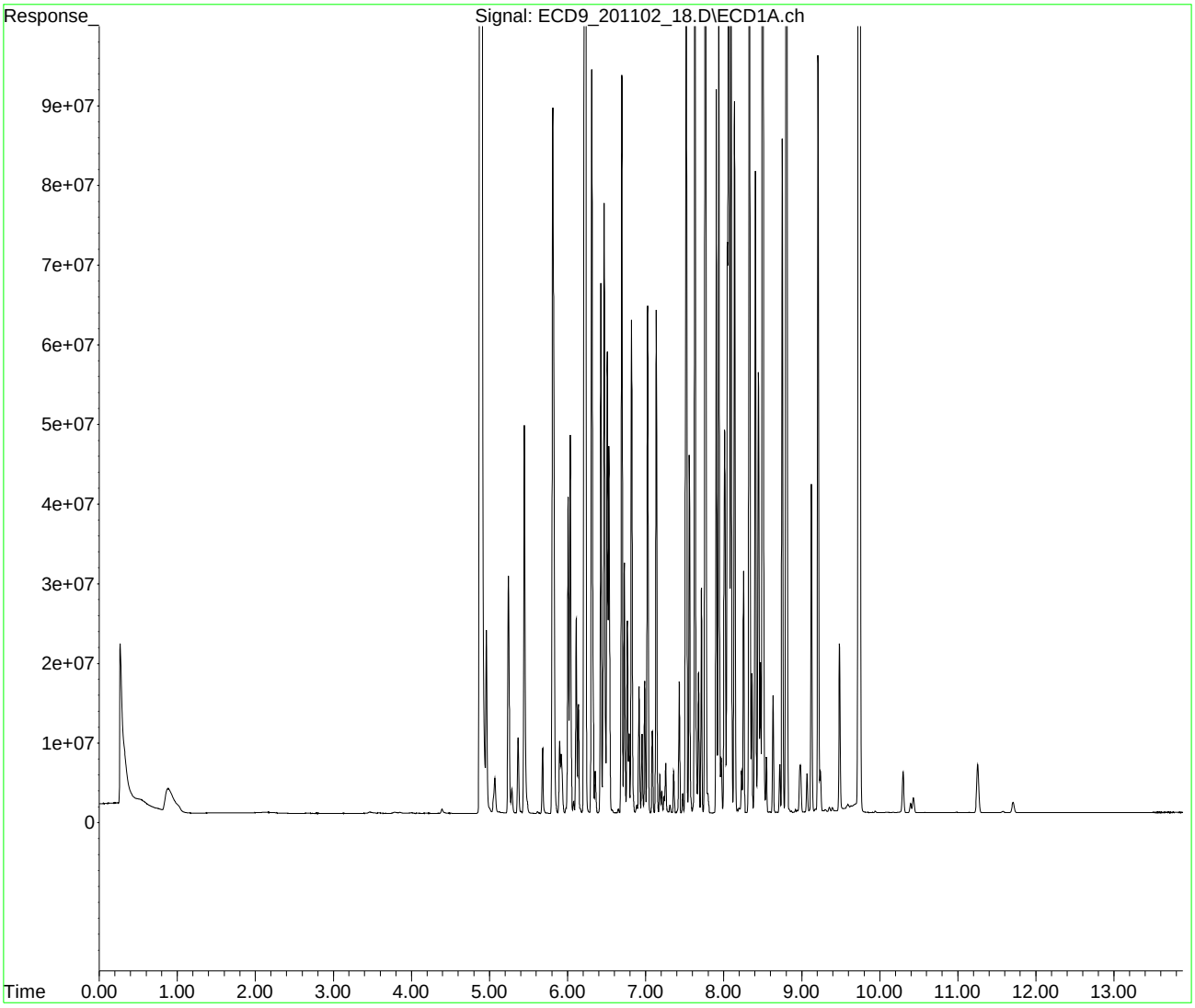
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\requants\
Data File : ECD9_201102_18.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 16:22
Operator :
Sample : 0K02062-CAL7
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 16:36:30 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:17:51 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Injection Log

Data Directory: Z:\1\data\0K02062\

KAK 11/3/2020

File ID	SampleName	MiscInfo	Vial	Dil.	Injection Time
ECD9_201102_02.D	Hexane		1	1	02 Nov 2020 13:59
ECD9_201102_04.D	0K02062-ICB1		2	1	02 Nov 2020 14:17
ECD9_201102_06.D	0K02062-CAL1		3	1	02 Nov 2020 14:35
ECD9_201102_08.D	0K02062-CAL2		4	1	02 Nov 2020 14:52
ECD9_201102_10.D	0K02062-CAL3		5	1	02 Nov 2020 15:10
ECD9_201102_12.D	0K02062-CAL4		6	1	02 Nov 2020 15:28
ECD9_201102_14.D	0K02062-CAL5		7	1	02 Nov 2020 15:46
ECD9_201102_16.D	0K02062-CAL6		8	1	02 Nov 2020 16:04
ECD9_201102_18.D	0K02062-CAL7		9	1	02 Nov 2020 16:22
ECD9_201102_20.D	0K02062-IBL1		1	1	02 Nov 2020 16:40
ECD9_201102_22.D	0K02062-ICV1		10	1	02 Nov 2020 16:58
ECD9_201102_24.D	0K02062-CAL8		11	1	02 Nov 2020 17:16
ECD9_201102_26.D	0K02062-CAL9		12	1	02 Nov 2020 17:34
ECD9_201102_28.D	0K02062-CALA		13	1	02 Nov 2020 17:51
ECD9_201102_30.D	0K02062-CALB		14	1	02 Nov 2020 18:09
ECD9_201102_32.D	0K02062-CALC		15	1	02 Nov 2020 18:27
ECD9_201102_34.D	0K02062-CALD		16	1	02 Nov 2020 18:45
ECD9_201102_36.D	0K02062-CALE		17	1	02 Nov 2020 19:03
ECD9_201102_38.D	0K02062-ICV2		18	1	02 Nov 2020 19:21
ECD9_201102_40.D	0K02062-ICV3		19	1	02 Nov 2020 19:39
ECD9_201102_42.D	0K02062-ICV4		20	1	02 Nov 2020 19:57
ECD9_201102_44.D	0K02062-ICV5		21	1	02 Nov 2020 20:14

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_06.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 14:35
Operator :
Sample : 0K02062-CAL1
Misc :
ALS Vial : 3 Sample Multiplier: 1

KAK 11/3/2020

Integration File: PCB1.e
Quant Time: Nov 03 15:58:16 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 15:54:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	4.888	15858615	11.779	ng/ml
64)	S DCBP (S)	9.736	13676265	14.394	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.813	1602448	29.452	ng/ml
3)	Aroclor 1016 (2)	6.228	2490655	27.436	ng/ml
4)	Aroclor 1016 (3)	6.311	1581526	28.184	ng/ml
5)	Aroclor 1016 (4)	6.470	1370910	29.277	ng/ml
6)	Aroclor 1016 (5)	6.694	1556010	28.267	ng/ml
7)	Aroclor 1016 (6)	6.821	1074398	28.255	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 (4)	0.000	0	N.D.	ng/mld
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_06.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 14:35
Operator :
Sample : 0K02062-CAL1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 15:58:16 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 15:54:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	7.631	2777043	28.159	ng/ml
44)	Aroclor 1260 (2)	7.765	3260675	27.574	ng/ml
45)	Aroclor 1260 (3)	8.329	2514259	28.437	ng/ml
46)	Aroclor 1260 (4)	8.500	5350347	28.244	ng/ml
47)	Aroclor 1260 (5)	8.804	3533884	28.587	ng/ml
48)	Aroclor 1260 (6)	9.210	1521331	29.593	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_06.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 14:35
Operator :
Sample : 0K02062-CAL1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 15:58:16 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 15:54:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

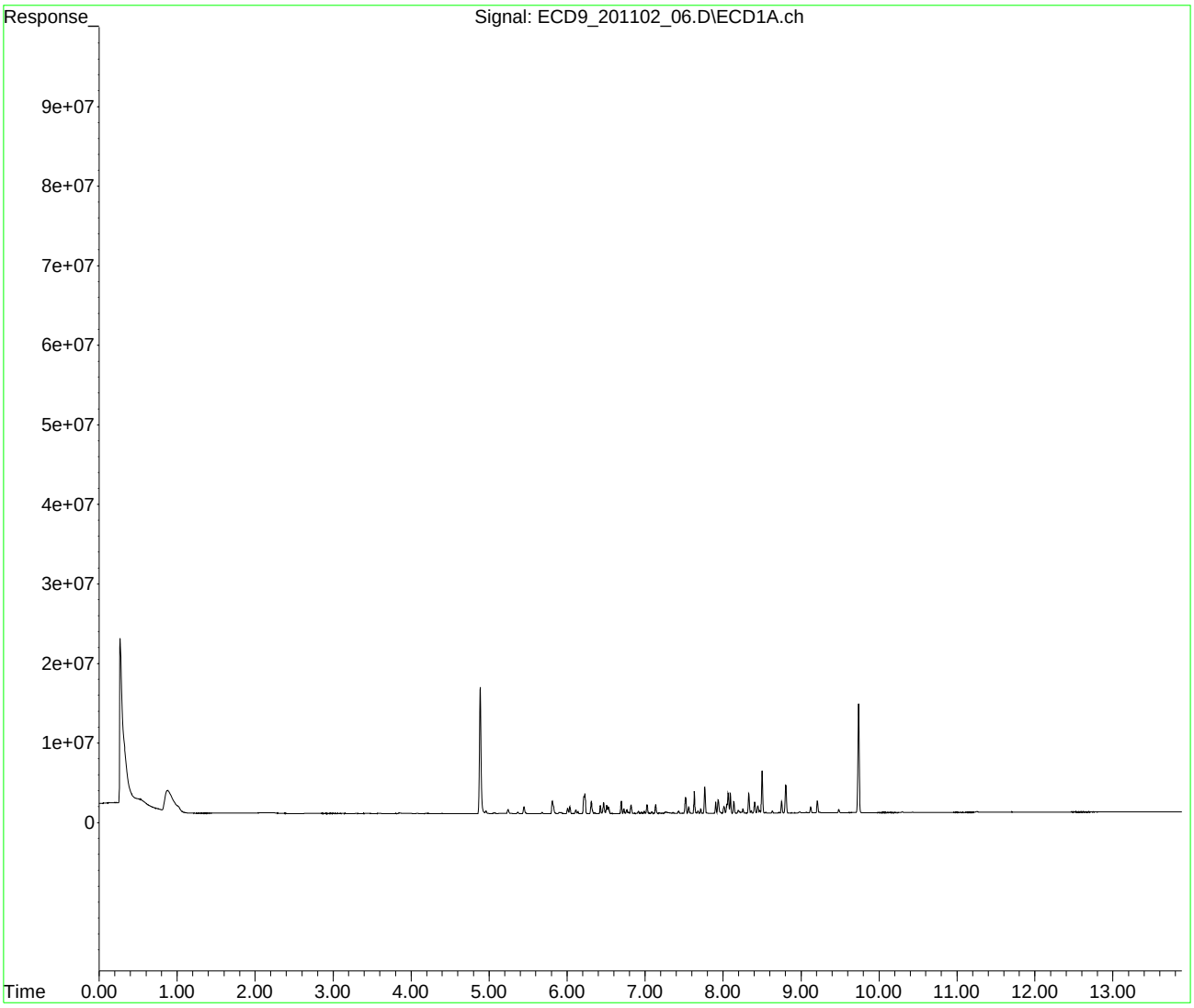
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_06.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 14:35
Operator :
Sample : 0K02062-CAL1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 15:58:16 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 15:54:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_08.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 14:52
Operator :
Sample : 0K02062-CAL2 KAK 11/3/2020
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 15:59:03 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 15:54:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	4.888	39914184	29.647	ng/ml
64)	S DCBP (S)	9.735	33334916	35.085	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.812	3640856	66.916	ng/ml
3)	Aroclor 1016 (2)	6.228	5944766	65.485	ng/ml
4)	Aroclor 1016 (3)	6.310	3653353	65.105	ng/ml
5)	Aroclor 1016 (4)	6.470	3137929	67.012	ng/ml
6)	Aroclor 1016 (5)	6.694	3670507	66.679	ng/ml
7)	Aroclor 1016 (6)	6.821	2482271	65.279	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 (4)	0.000	0	N.D.	ng/mld
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_08.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 14:52
Operator :
Sample : 0K02062-CAL2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 15:59:03 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 15:54:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	7.631	6539190	66.306	ng/ml
44)	Aroclor 1260 (2)	7.765	7991822	67.582	ng/ml
45)	Aroclor 1260 (3)	8.329	5931896	67.092	ng/ml
46)	Aroclor 1260 (4)	8.500	13371488	70.588	ng/ml
47)	Aroclor 1260 (5)	8.804	8638573	69.880	ng/ml
48)	Aroclor 1260 (6)	9.209	3660388	71.203	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_08.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 14:52
Operator :
Sample : 0K02062-CAL2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 15:59:03 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 15:54:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

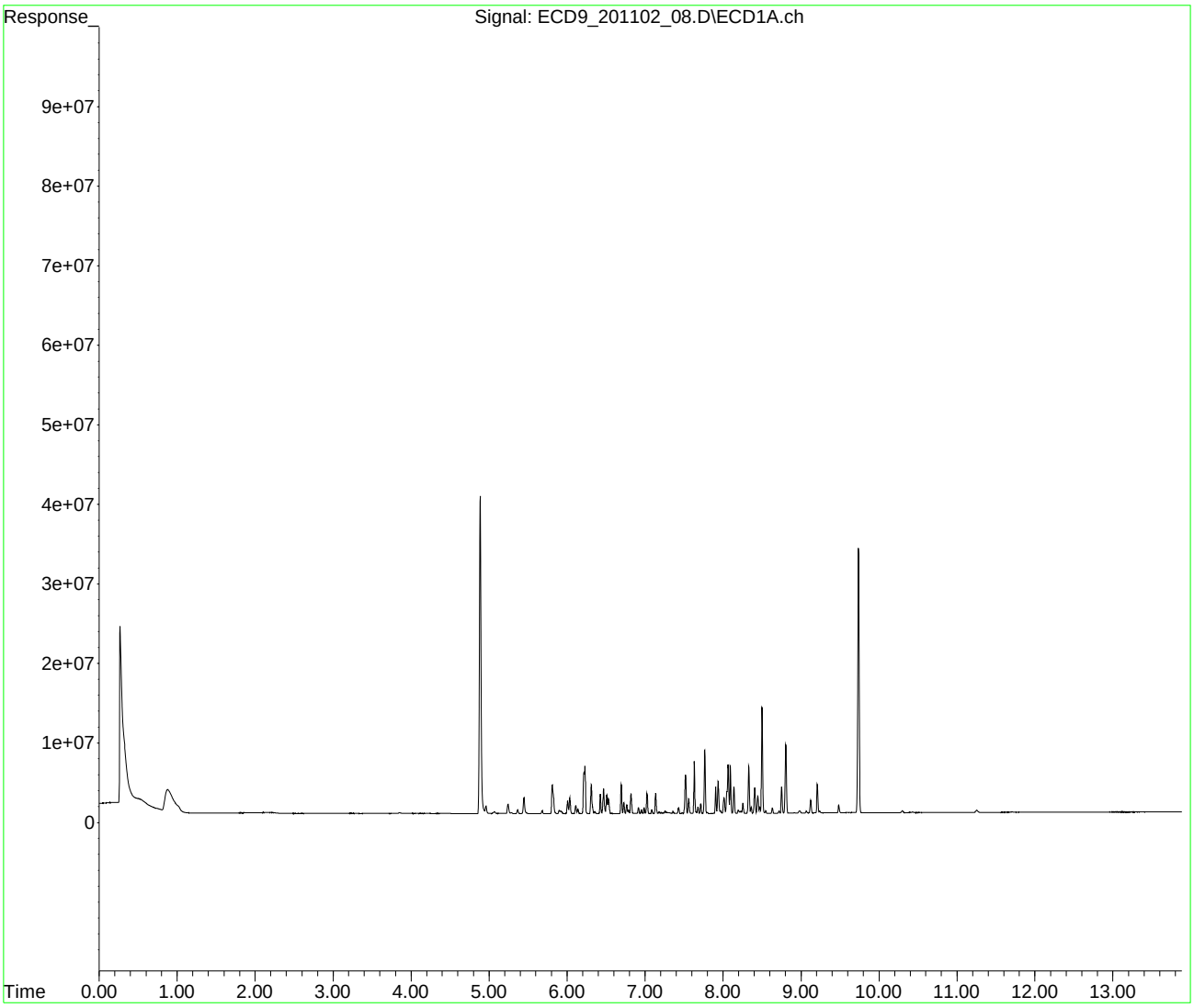
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_08.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 14:52
Operator :
Sample : 0K02062-CAL2
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 15:59:03 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 15:54:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_10.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 15:10
Operator :
Sample : 0K02062-CAL3
Misc :
ALS Vial : 5 Sample Multiplier: 1

KAK 11/3/2020

Integration File: PCB1.e
Quant Time: Nov 03 15:59:46 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 15:54:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	4.888	78914354	58.615	ng/ml
64)	S DCBP (S)	9.736	65118101	68.537	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.812	6912917	127.054	ng/ml
3)	Aroclor 1016 (2)	6.228	11439321	126.011	ng/ml
4)	Aroclor 1016 (3)	6.310	6811778	121.389	ng/ml
5)	Aroclor 1016 (4)	6.470	5687994	121.471	ng/ml
6)	Aroclor 1016 (5)	6.694	6925266	125.805	ng/ml
7)	Aroclor 1016 (6)	6.821	4695414	123.480	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 (4)	0.000	0	N.D.	ng/mld
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_10.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 15:10
Operator :
Sample : 0K02062-CAL3
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 15:59:46 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 15:54:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	7.632	11891463	120.577	ng/ml
44)	Aroclor 1260 (2)	7.765	15052920	127.294	ng/ml
45)	Aroclor 1260 (3)	8.329	11170967	126.348	ng/ml
46)	Aroclor 1260 (4)	8.500	25784823	136.118	ng/ml
47)	Aroclor 1260 (5)	8.804	16465515	133.195	ng/ml
48)	Aroclor 1260 (6)	9.210	6838690	133.028	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_10.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 15:10
Operator :
Sample : 0K02062-CAL3
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 15:59:46 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 15:54:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

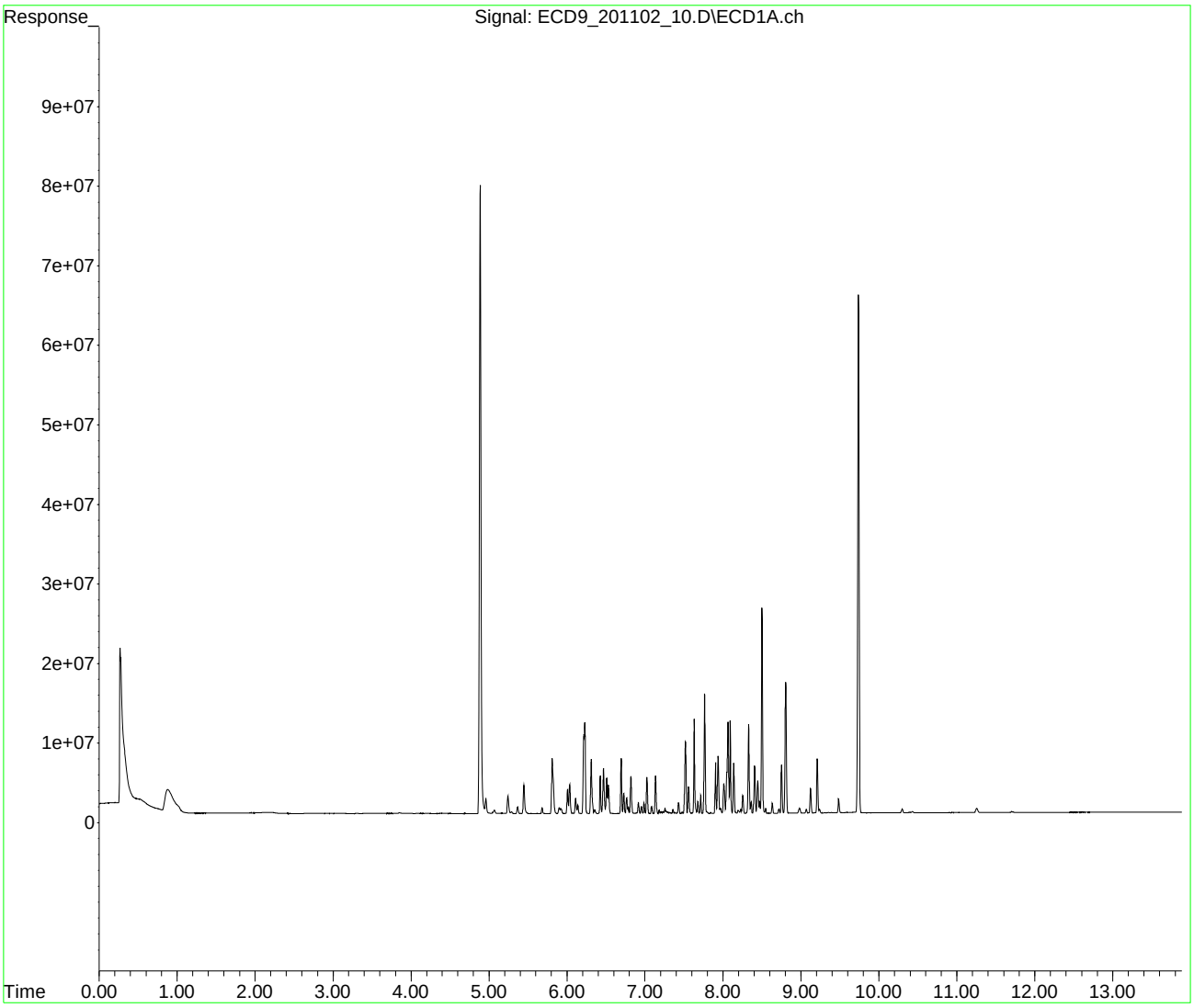
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_10.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 15:10
Operator :
Sample : 0K02062-CAL3
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 15:59:46 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 15:54:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_12.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 15:28
Operator :
Sample : 0K02062-CAL4
Misc :
ALS Vial : 6 Sample Multiplier: 1

KAK 11/3/2020

Integration File: PCB1.e
Quant Time: Nov 03 16:00:40 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 15:54:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	4.888	157097351	116.688	ng/ml
64)	S DCBP (S)	9.735	123707179	130.202	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.812	12693957	233.305	ng/ml
3)	Aroclor 1016 (2)	6.228	22545695	248.355	ng/ml
4)	Aroclor 1016 (3)	6.310	12905852	229.989	ng/ml
5)	Aroclor 1016 (4)	6.470	10969354	234.258	ng/ml
6)	Aroclor 1016 (5)	6.693	12698514	230.683	ng/ml
7)	Aroclor 1016 (6)	6.822	8895568	233.937	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 (4)	0.000	0	N.D.	ng/mld
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_12.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 15:28
Operator :
Sample : 0K02062-CAL4
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 16:00:40 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 15:54:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	7.631	23254713	235.797	ng/ml
44)	Aroclor 1260 (2)	7.765	29209846	247.010	ng/ml
45)	Aroclor 1260 (3)	8.329	21216536	239.967	ng/ml
46)	Aroclor 1260 (4)	8.501	49218709	259.825	ng/ml
47)	Aroclor 1260 (5)	8.804	31987638	258.759	ng/ml
48)	Aroclor 1260 (6)	9.209	13076497	254.367	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_12.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 15:28
Operator :
Sample : 0K02062-CAL4
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 16:00:40 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 15:54:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

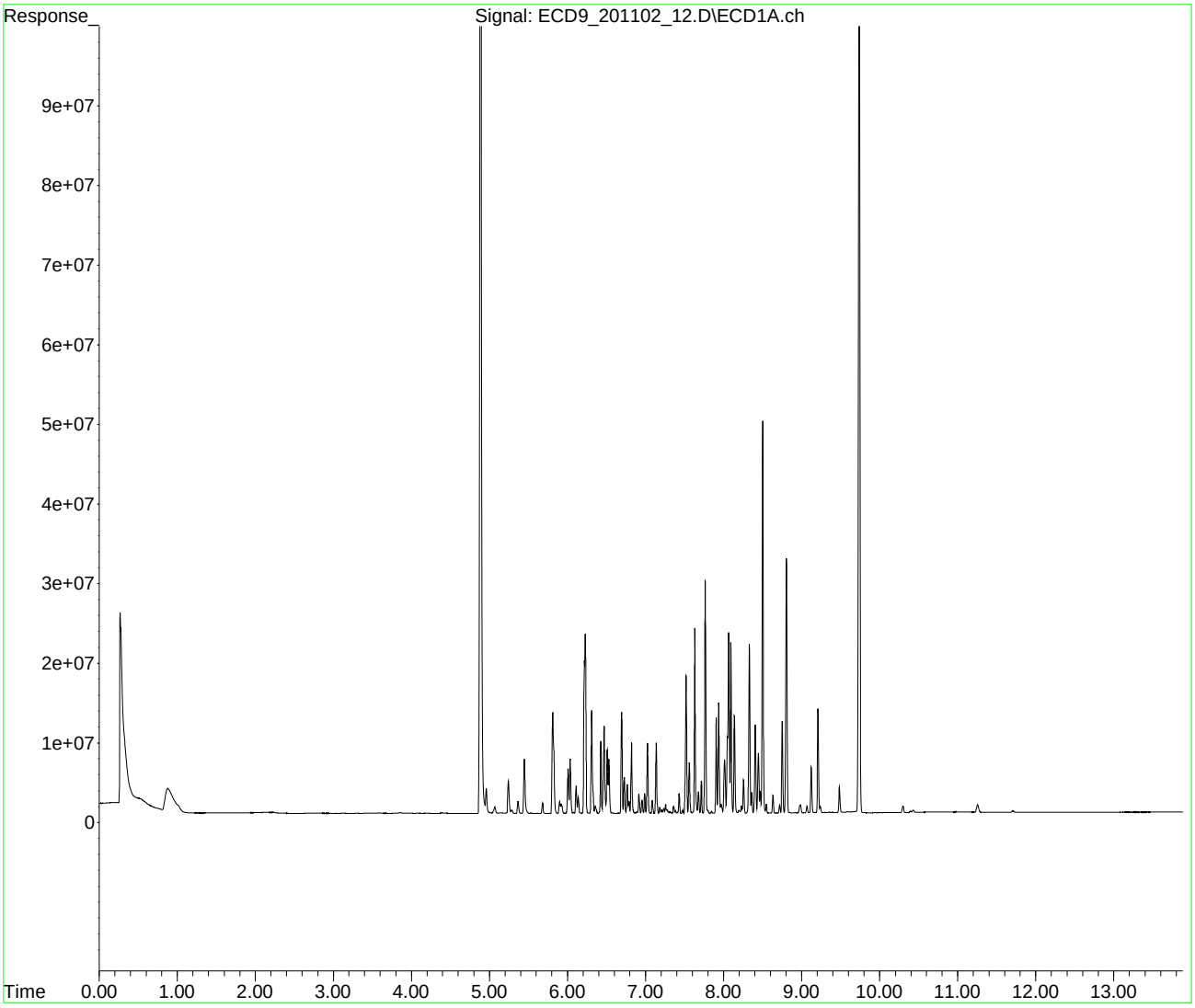
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_12.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 15:28
Operator :
Sample : 0K02062-CAL4
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 16:00:40 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 15:54:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_14.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 15:46
Operator :
Sample : 0K02062-CAL5 KAK 11/3/2020
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 15:56:12 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 15:54:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	4.888	386318300	286.947	ng/ml
64)	S DCBP (S)	9.736	309028867	325.253	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.813	30509055	560.734	ng/ml
3)	Aroclor 1016 (2)	6.228	55819832	614.890	ng/ml
4)	Aroclor 1016 (3)	6.310	31286642	557.543	ng/ml
5)	Aroclor 1016 (4)	6.469	25824149	551.491	ng/ml
6)	Aroclor 1016 (5)	6.694	31101954	565.001	ng/ml
7)	Aroclor 1016 (6)	6.822	21900306	575.936	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 (4)	0.000	0	N.D.	ng/mld
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_14.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 15:46
Operator :
Sample : 0K02062-CAL5
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 15:56:12 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 15:54:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	7.632	58010244	588.210	ng/ml
44)	Aroclor 1260 (2)	7.765	68801446	581.813	ng/ml
45)	Aroclor 1260 (3)	8.329	53395528	603.923	ng/ml
46)	Aroclor 1260 (4)	8.500	118625911	626.224	ng/ml
47)	Aroclor 1260 (5)	8.803	77567981	627.474	ng/ml
48)	Aroclor 1260 (6)	9.209	31473012	612.221	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_14.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 15:46
Operator :
Sample : 0K02062-CAL5
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 15:56:12 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 15:54:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

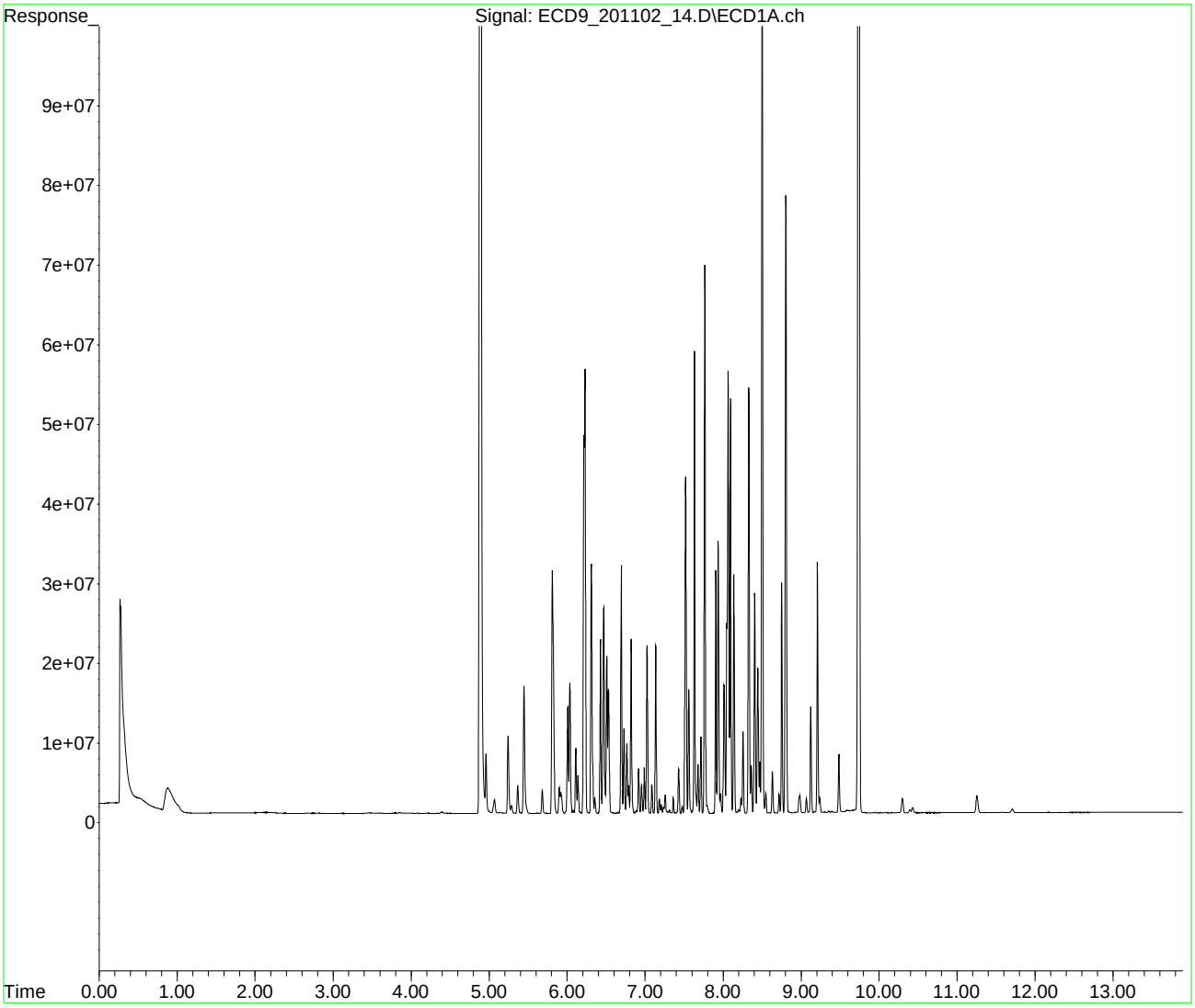
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_14.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 15:46
Operator :
Sample : 0K02062-CAL5
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 15:56:12 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 15:54:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_16.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 16:04
Operator :
Sample : 0K02062-CAL6
Misc :
ALS Vial : 8 Sample Multiplier: 1

KAK 11/3/2020

Integration File: PCB1.e
Quant Time: Nov 03 16:01:42 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 15:54:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	4.888	773381405	574.446	ng/ml
64)	S DCBP (S)	9.737	617132128	649.532	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.812	58513851	1075.441	ng/ml
3)	Aroclor 1016 (2)	6.228	108496210	1195.153	ng/ml
4)	Aroclor 1016 (3)	6.311	60889003	1085.072	ng/ml
5)	Aroclor 1016 (4)	6.470	50315871	1074.528	ng/ml
6)	Aroclor 1016 (5)	6.694	61189602	1111.577	ng/ml
7)	Aroclor 1016 (6)	6.821	41633429	1094.880	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 (4)	0.000	0	N.D.	ng/mld
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_16.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 16:04
Operator :
Sample : 0K02062-CAL6
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 16:01:42 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 15:54:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	7.632	109854136	1113.895	ng/ml
44)	Aroclor 1260 (2)	7.766	136400508	1153.459	ng/ml
45)	Aroclor 1260 (3)	8.329	102819652	1162.927	ng/ml
46)	Aroclor 1260 (4)	8.500	235906592	1245.347	ng/ml
47)	Aroclor 1260 (5)	8.804	150785564	1219.757	ng/ml
48)	Aroclor 1260 (6)	9.210	61149820	1189.501	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_16.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 16:04
Operator :
Sample : 0K02062-CAL6
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 16:01:42 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 15:54:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

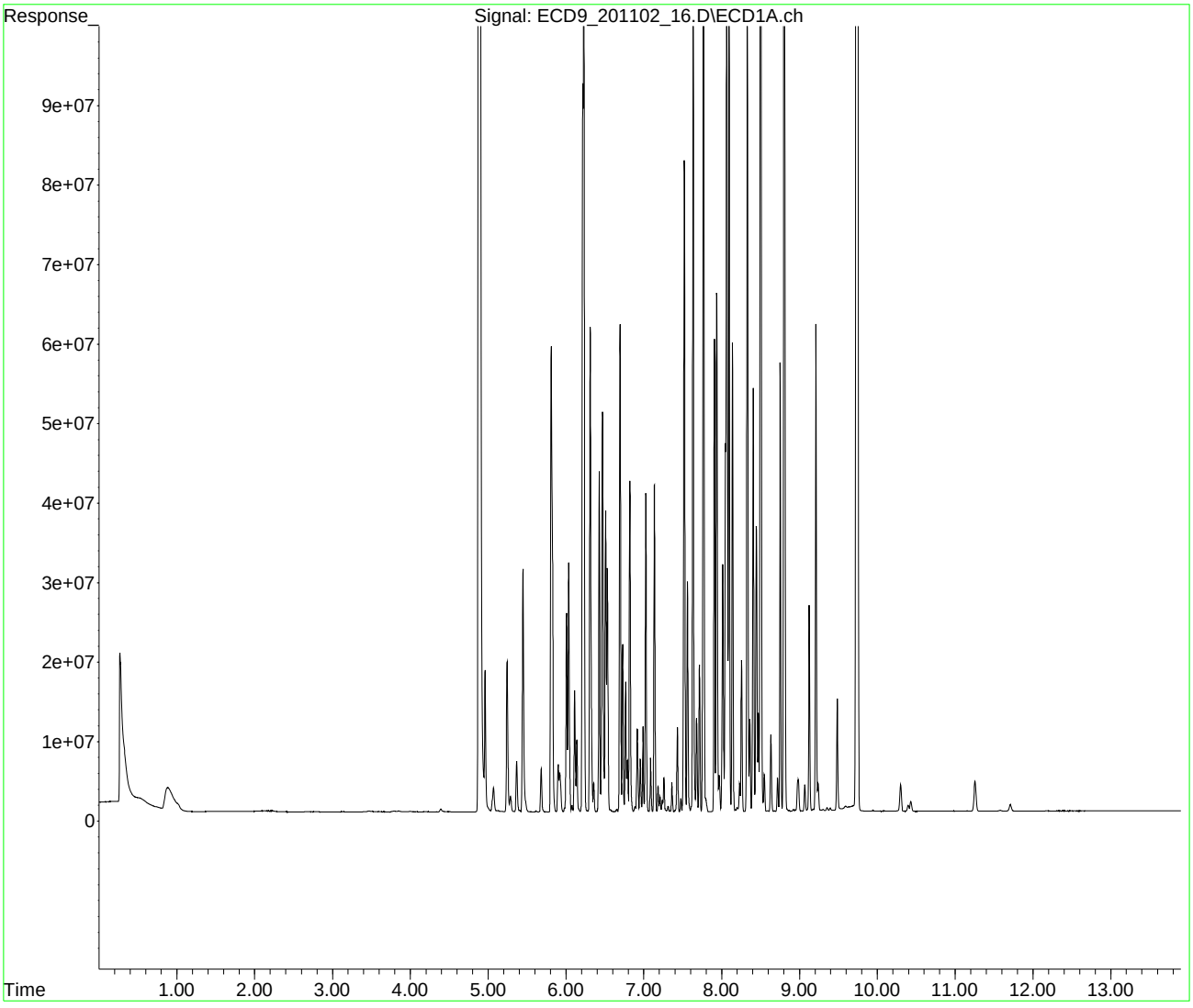
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_16.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 16:04
Operator :
Sample : 0K02062-CAL6
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 16:01:42 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 15:54:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_18.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 16:22
Operator :
Sample : 0K02062-CAL7
Misc :
ALS Vial : 9 Sample Multiplier: 1

KAK 11/3/2020

Integration File: PCB1.e
Quant Time: Nov 03 16:02:38 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 15:54:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S TCMX (S)	4.890	1292373957	959.940	ng/ml
64)	S DCBP (S)	9.737	1065262475	1121.189	ng/ml
	Target Compounds				
2)	Aroclor 1016 (1)	5.813	88544787	1627.387	ng/ml
3)	Aroclor 1016 (2)	6.229	165702567	1825.317	ng/ml
4)	Aroclor 1016 (3)	6.311	93266324	1662.052	ng/ml
5)	Aroclor 1016 (4)	6.470	76481258	1633.306	ng/ml
6)	Aroclor 1016 (5)	6.695	92733245	1684.602	ng/ml
7)	Aroclor 1016 (6)	6.822	61935334	1628.782	ng/ml
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/ml
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 (4)	0.000	0	N.D.	ng/mld
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_18.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 16:22
Operator :
Sample : 0K02062-CAL7
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 16:02:38 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 15:54:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	7.632	167963725	1703.112	ng/ml
44)	Aroclor 1260 (2)	7.766	215896508	1825.710	ng/ml
45)	Aroclor 1260 (3)	8.330	158595544	1793.773	ng/ml
46)	Aroclor 1260 (4)	8.500	372414071	1965.968	ng/ml
47)	Aroclor 1260 (5)	8.804	247833404	2004.810	ng/ml
48)	Aroclor 1260 (6)	9.210	95090290	1849.719	ng/ml
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/ml
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_18.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 16:22
Operator :
Sample : 0K02062-CAL7
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 16:02:38 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 15:54:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

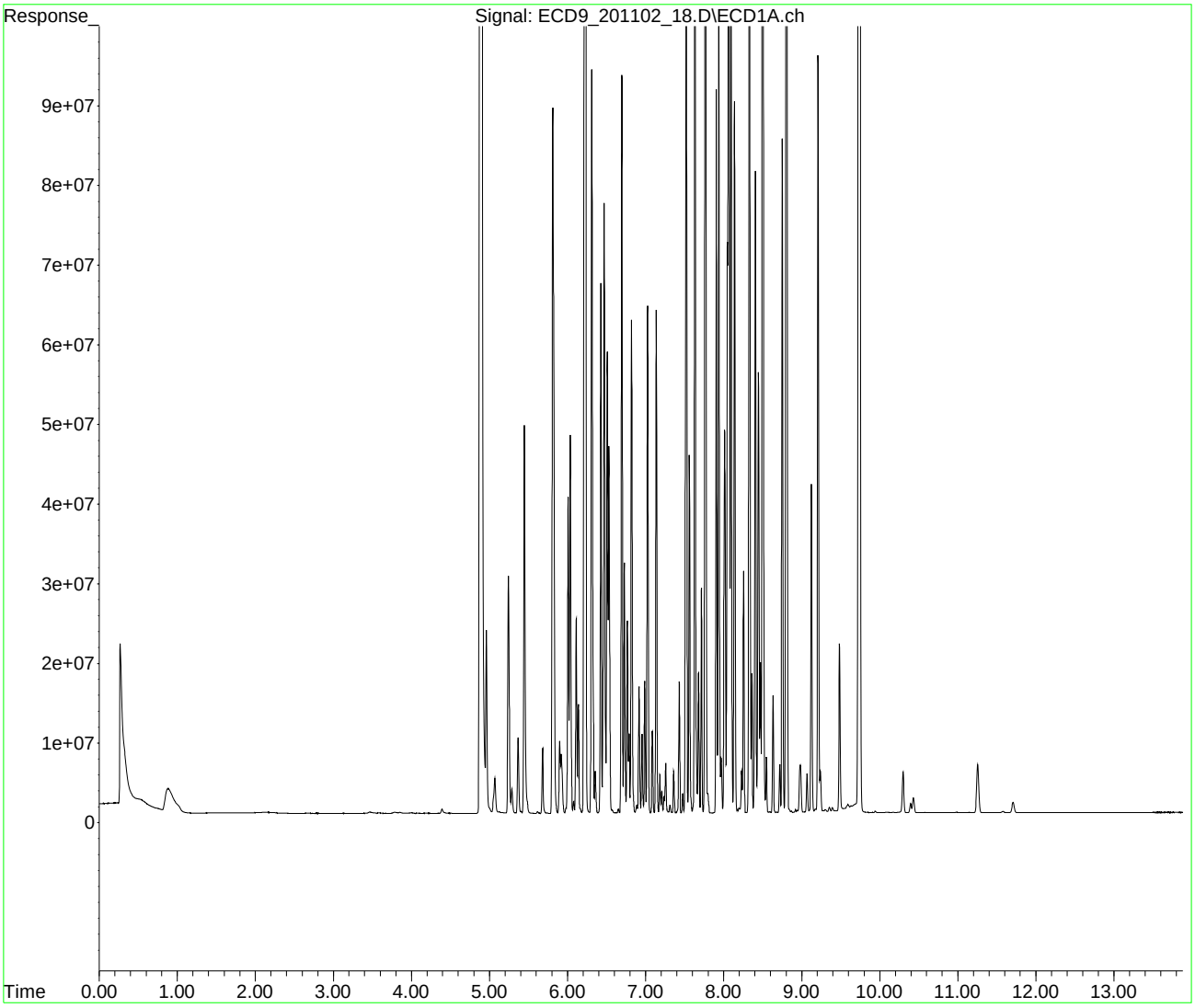
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_18.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 16:22
Operator :
Sample : 0K02062-CAL7
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 16:02:38 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 15:54:59 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_24.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 17:16
Operator :
Sample : 0K02062-CAL8
Misc :
ALS Vial : 11 Sample Multiplier: 1

KAK 11/3/2020

Integration File: PCB1.e
Quant Time: Nov 03 16:03:59 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:03:12 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	0.000	0	N.D.	ng/mld
64) S	DCBP (S)	0.000	0	N.D.	ng/mld
	Target Compounds				
2)	Aroclor 1016 (1)	0.000	0	N.D.	ng/mld
3)	Aroclor 1016 (2)	0.000	0	N.D.	ng/mld
4)	Aroclor 1016 (3)	0.000	0	N.D.	ng/mld
5)	Aroclor 1016 (4)	0.000	0	N.D.	ng/mld
6)	Aroclor 1016 (5)	0.000	0	N.D.	ng/mld
7)	Aroclor 1016 (6)	0.000	0	N.D.	ng/mld
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/mld
9)	Aroclor 1221 (1)	5.249	9585521	604.262	ng/ml
10)	Aroclor 1221 (2)	5.368	6353792	595.900	ng/ml
11)	Aroclor 1221 (3)	5.449	20267230	595.695	ng/ml
12)	Aroclor 1221 (4)	5.919	3353595	573.156	ng/ml
13)	Aroclor 1221 (5)	6.229	3748815	584.715	ng/ml
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/ml
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_24.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 17:16
Operator :
Sample : 0K02062-CAL8
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 16:03:59 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:03:12 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	0.000	0	N.D.	ng/mld
44)	Aroclor 1260 (2)	0.000	0	N.D.	ng/mld
45)	Aroclor 1260 (3)	0.000	0	N.D.	ng/mld
46)	Aroclor 1260 (4)	0.000	0	N.D.	ng/mld
47)	Aroclor 1260 (5)	0.000	0	N.D.	ng/mld
48)	Aroclor 1260 (6)	0.000	0	N.D.	ng/mld
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_24.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 17:16
Operator :
Sample : 0K02062-CAL8
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 16:03:59 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:03:12 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

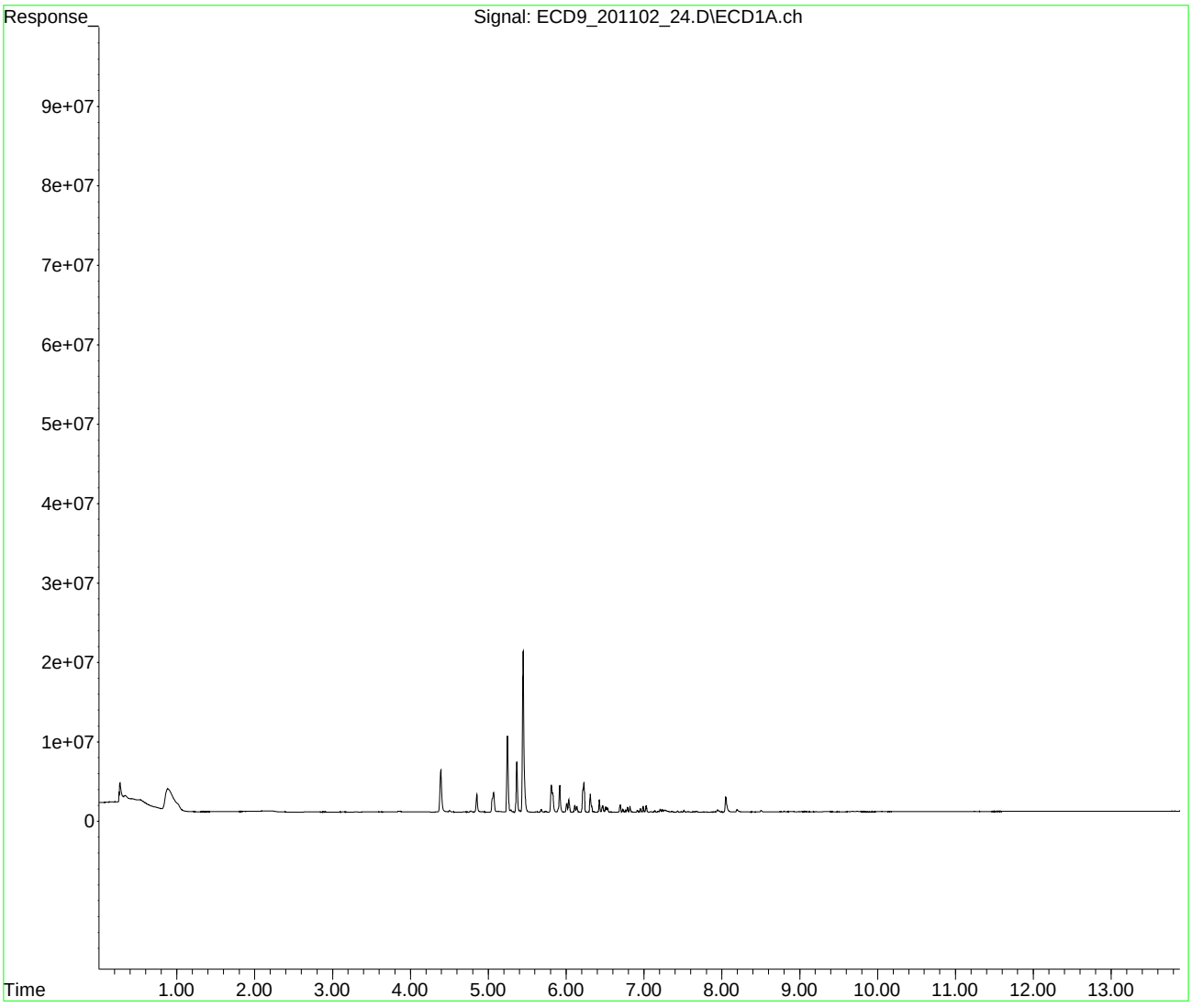
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_24.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 17:16
Operator :
Sample : 0K02062-CAL8
Misc :
ALS Vial : 11 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 16:03:59 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:03:12 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_26.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 17:34
Operator :
Sample : 0K02062-CAL9
Misc :
ALS Vial : 12 Sample Multiplier: 1

KAK 11/3/2020

Integration File: PCB1.e
Quant Time: Nov 03 16:05:15 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:04:29 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	0.000	0	N.D.	ng/mld
64) S	DCBP (S)	0.000	0	N.D.	ng/mld
	Target Compounds				
2)	Aroclor 1016 (1)	0.000	0	N.D.	ng/mld
3)	Aroclor 1016 (2)	0.000	0	N.D.	ng/mld
4)	Aroclor 1016 (3)	0.000	0	N.D.	ng/mld
5)	Aroclor 1016 (4)	0.000	0	N.D.	ng/mld
6)	Aroclor 1016 (5)	0.000	0	N.D.	ng/mld
7)	Aroclor 1016 (6)	0.000	0	N.D.	ng/mld
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/mld
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 (4)	0.000	0	N.D.	ng/mld
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (1)	5.449	17265245	607.432	ng/ml
16)	Aroclor 1232 (2)	6.229	21786235	646.146	ng/ml
17)	Aroclor 1232 (3)	6.310	12413549	594.621	ng/ml
18)	Aroclor 1232 (4)	6.470	8479790	602.423	ng/ml
19)	Aroclor 1232 (5)	6.693	11343774	617.173	ng/ml
20)	Aroclor 1232 (6)	6.821	8823450	607.609	ng/ml
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/ml
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_26.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 17:34
Operator :
Sample : 0K02062-CAL9
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 16:05:15 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:04:29 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	0.000	0	N.D.	ng/mld
44)	Aroclor 1260 (2)	0.000	0	N.D.	ng/mld
45)	Aroclor 1260 (3)	0.000	0	N.D.	ng/mld
46)	Aroclor 1260 (4)	0.000	0	N.D.	ng/mld
47)	Aroclor 1260 (5)	0.000	0	N.D.	ng/mld
48)	Aroclor 1260 (6)	0.000	0	N.D.	ng/mld
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_26.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 17:34
Operator :
Sample : 0K02062-CAL9
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 16:05:15 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:04:29 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

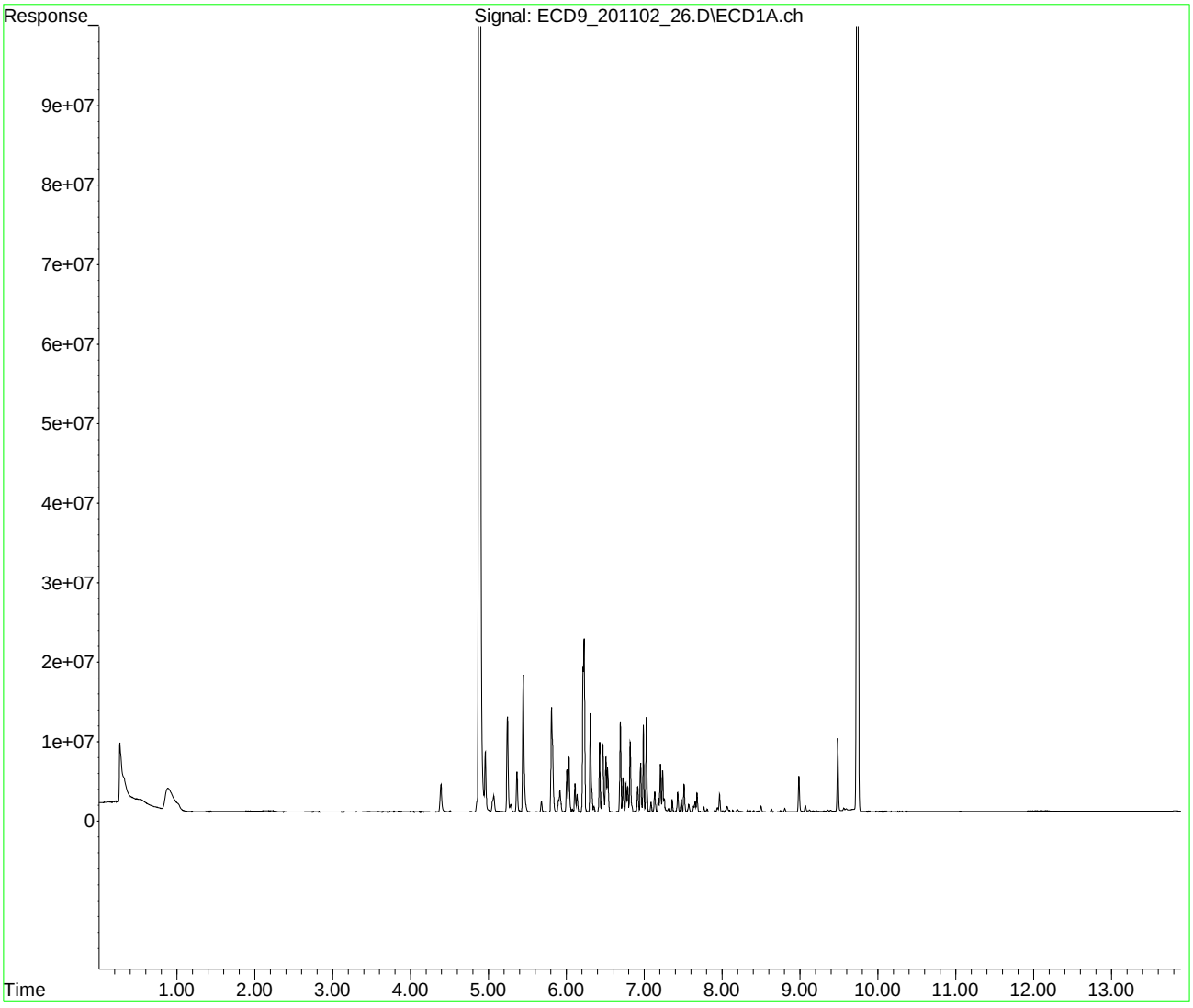
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_26.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 17:34
Operator :
Sample : 0K02062-CAL9
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 16:05:15 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:04:29 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_28.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 17:51
Operator :
Sample : 0K02062-CALA
Misc :
ALS Vial : 13 Sample Multiplier: 1

KAK 11/3/2020

Integration File: PCB1.e
Quant Time: Nov 03 16:06:35 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:05:55 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	0.000	0	N.D.	ng/mld
64) S	DCBP (S)	0.000	0	N.D.	ng/mld
	Target Compounds				
2)	Aroclor 1016 (1)	0.000	0	N.D.	ng/mld
3)	Aroclor 1016 (2)	0.000	0	N.D.	ng/mld
4)	Aroclor 1016 (3)	0.000	0	N.D.	ng/mld
5)	Aroclor 1016 (4)	0.000	0	N.D.	ng/mld
6)	Aroclor 1016 (5)	0.000	0	N.D.	ng/mld
7)	Aroclor 1016 (6)	0.000	0	N.D.	ng/mld
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/mld
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 (4)	0.000	0	N.D.	ng/mld
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (1)	5.812	22488832	607.929	ng/ml
23)	Aroclor 1242 (2)	6.229	39262423	616.017	ng/ml
24)	Aroclor 1242 (3)	6.310	22995977	613.132	ng/ml
25)	Aroclor 1242 (4)	6.470	17399182	582.177	ng/ml
26)	Aroclor 1242 (5)	6.694	22364937	598.199	ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_28.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 17:51
Operator :
Sample : 0K02062-CALA
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 16:06:35 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:05:55 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	6.822	18319915	600.113	ng/ml
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/ml
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	0.000	0	N.D.	ng/mld
44)	Aroclor 1260 (2)	0.000	0	N.D.	ng/mld
45)	Aroclor 1260 (3)	0.000	0	N.D.	ng/mld
46)	Aroclor 1260 (4)	0.000	0	N.D.	ng/mld
47)	Aroclor 1260 (5)	0.000	0	N.D.	ng/mld
48)	Aroclor 1260 (6)	0.000	0	N.D.	ng/mld
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_28.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 17:51
Operator :
Sample : 0K02062-CALA
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 16:06:35 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:05:55 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

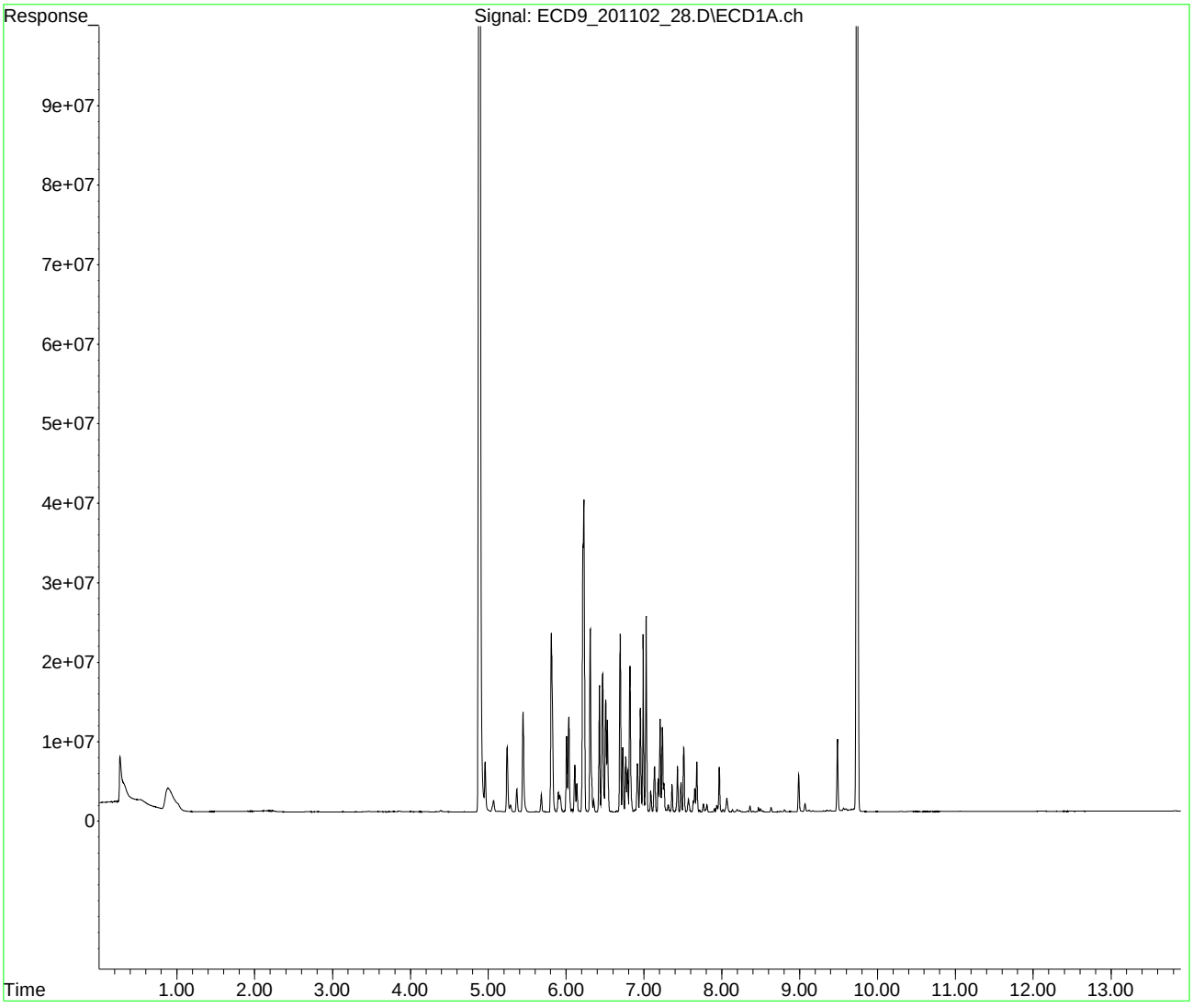
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_28.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 17:51
Operator :
Sample : 0K02062-CALA
Misc :
ALS Vial : 13 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 16:06:35 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:05:55 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_30.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 18:09
Operator :
Sample : 0K02062-CALB
Misc :
ALS Vial : 14 Sample Multiplier: 1

KAK 11/3/2020

Integration File: PCB1.e
Quant Time: Nov 03 16:09:09 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:07:46 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	0.000	0	N.D.	ng/mld
64) S	DCBP (S)	0.000	0	N.D.	ng/mld
	Target Compounds				
2)	Aroclor 1016 (1)	0.000	0	N.D.	ng/mld
3)	Aroclor 1016 (2)	0.000	0	N.D.	ng/mld
4)	Aroclor 1016 (3)	0.000	0	N.D.	ng/mld
5)	Aroclor 1016 (4)	0.000	0	N.D.	ng/mld
6)	Aroclor 1016 (5)	0.000	0	N.D.	ng/mld
7)	Aroclor 1016 (6)	0.000	0	N.D.	ng/mld
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/mld
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 (4)	0.000	0	N.D.	ng/mld
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_30.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 18:09
Operator :
Sample : 0K02062-CALB
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 16:09:09 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:07:46 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	6.216	23609234	596.294	ng/ml
30)	Aroclor 1248 (2)	6.470	31716073	580.070	ng/ml
31)	Aroclor 1248 (3)	6.693	39124151	602.573	ng/ml
32)	Aroclor 1248 (4)	6.990	43750780	633.884	ng/ml
33)	Aroclor 1248 (5)	7.028	45299393	612.132	ng/ml
34)	Aroclor 1248 (6)	7.510	22394518	575.931	ng/ml
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/ml
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	0.000	0	N.D.	ng/mld
44)	Aroclor 1260 (2)	0.000	0	N.D.	ng/mld
45)	Aroclor 1260 (3)	0.000	0	N.D.	ng/mld
46)	Aroclor 1260 (4)	0.000	0	N.D.	ng/mld
47)	Aroclor 1260 (5)	0.000	0	N.D.	ng/mld
48)	Aroclor 1260 (6)	0.000	0	N.D.	ng/mld
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_30.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 18:09
Operator :
Sample : 0K02062-CALB
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 16:09:09 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:07:46 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

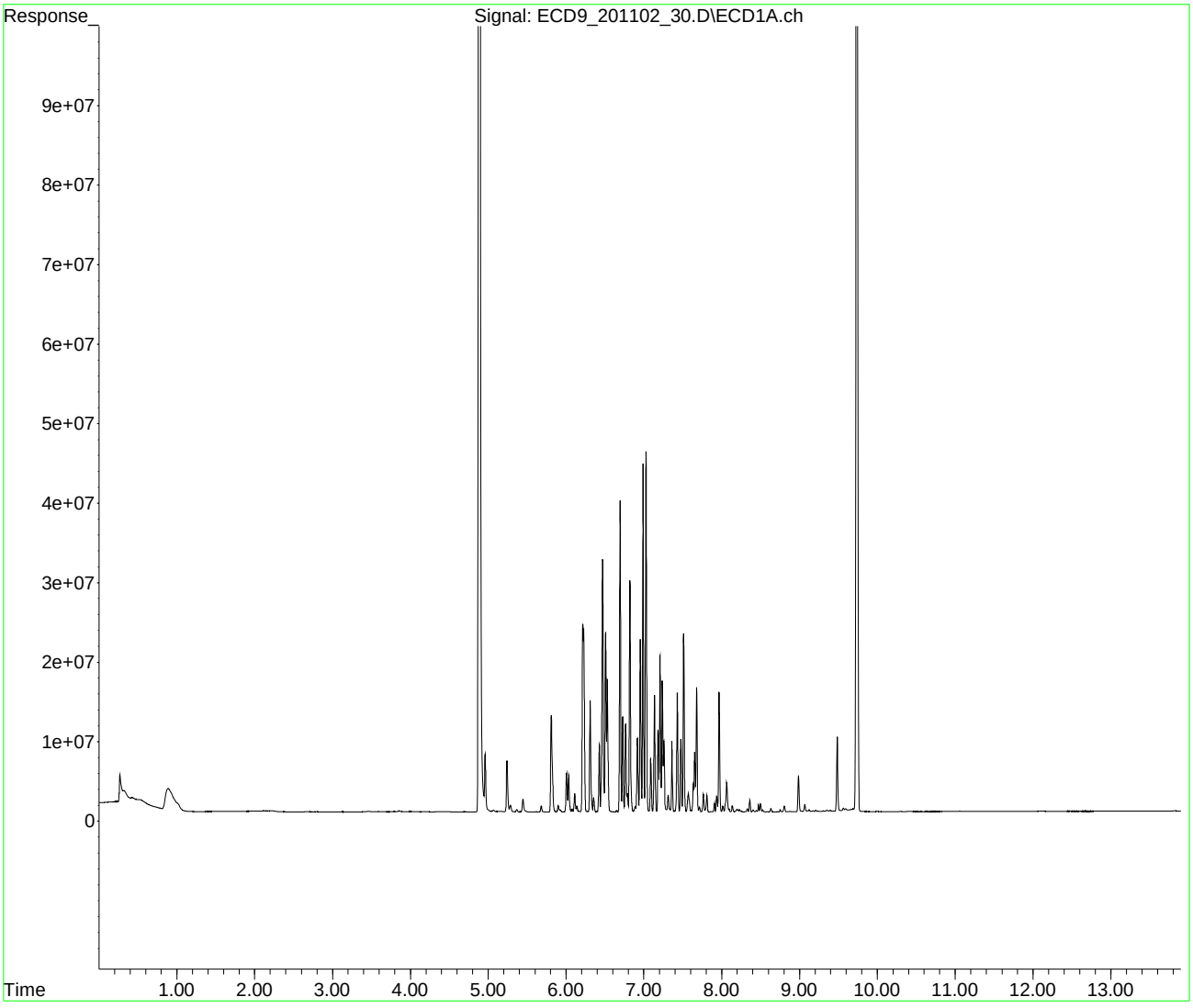
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_30.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 18:09
Operator :
Sample : 0K02062-CALB
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 16:09:09 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:07:46 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_32.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 18:27
Operator :
Sample : 0K02062-CALC
Misc :
ALS Vial : 15 Sample Multiplier: 1

KAK 11/3/2020

Integration File: PCB1.e
Quant Time: Nov 03 16:10:42 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:09:52 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	0.000	0	N.D.	ng/mld
64) S	DCBP (S)	0.000	0	N.D.	ng/mld
	Target Compounds				
2)	Aroclor 1016 (1)	0.000	0	N.D.	ng/mld
3)	Aroclor 1016 (2)	0.000	0	N.D.	ng/mld
4)	Aroclor 1016 (3)	0.000	0	N.D.	ng/mld
5)	Aroclor 1016 (4)	0.000	0	N.D.	ng/mld
6)	Aroclor 1016 (5)	0.000	0	N.D.	ng/mld
7)	Aroclor 1016 (6)	0.000	0	N.D.	ng/mld
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/mld
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 (4)	0.000	0	N.D.	ng/mld
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_32.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 18:27
Operator :
Sample : 0K02062-CALC
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 16:10:42 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:09:52 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	7.025	43765974	601.299	ng/ml
37)	Aroclor 1254 (2)	7.136	50823350	622.926	ng/ml
38)	Aroclor 1254 (3)	7.510	78020402	660.737	ng/ml
39)	Aroclor 1254 (4)	7.677	51090658	670.823	ng/ml
40)	Aroclor 1254 (5)	8.063	51474902	655.932	ng/ml
41)	Aroclor 1254 (6)	8.359	16556501	641.934	ng/ml
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/ml
43)	Aroclor 1260 (1)	0.000	0	N.D.	ng/mld
44)	Aroclor 1260 (2)	0.000	0	N.D.	ng/mld
45)	Aroclor 1260 (3)	0.000	0	N.D.	ng/mld
46)	Aroclor 1260 (4)	0.000	0	N.D.	ng/mld
47)	Aroclor 1260 (5)	0.000	0	N.D.	ng/mld
48)	Aroclor 1260 (6)	0.000	0	N.D.	ng/mld
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_32.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 18:27
Operator :
Sample : 0K02062-CALC
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 16:10:42 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:09:52 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

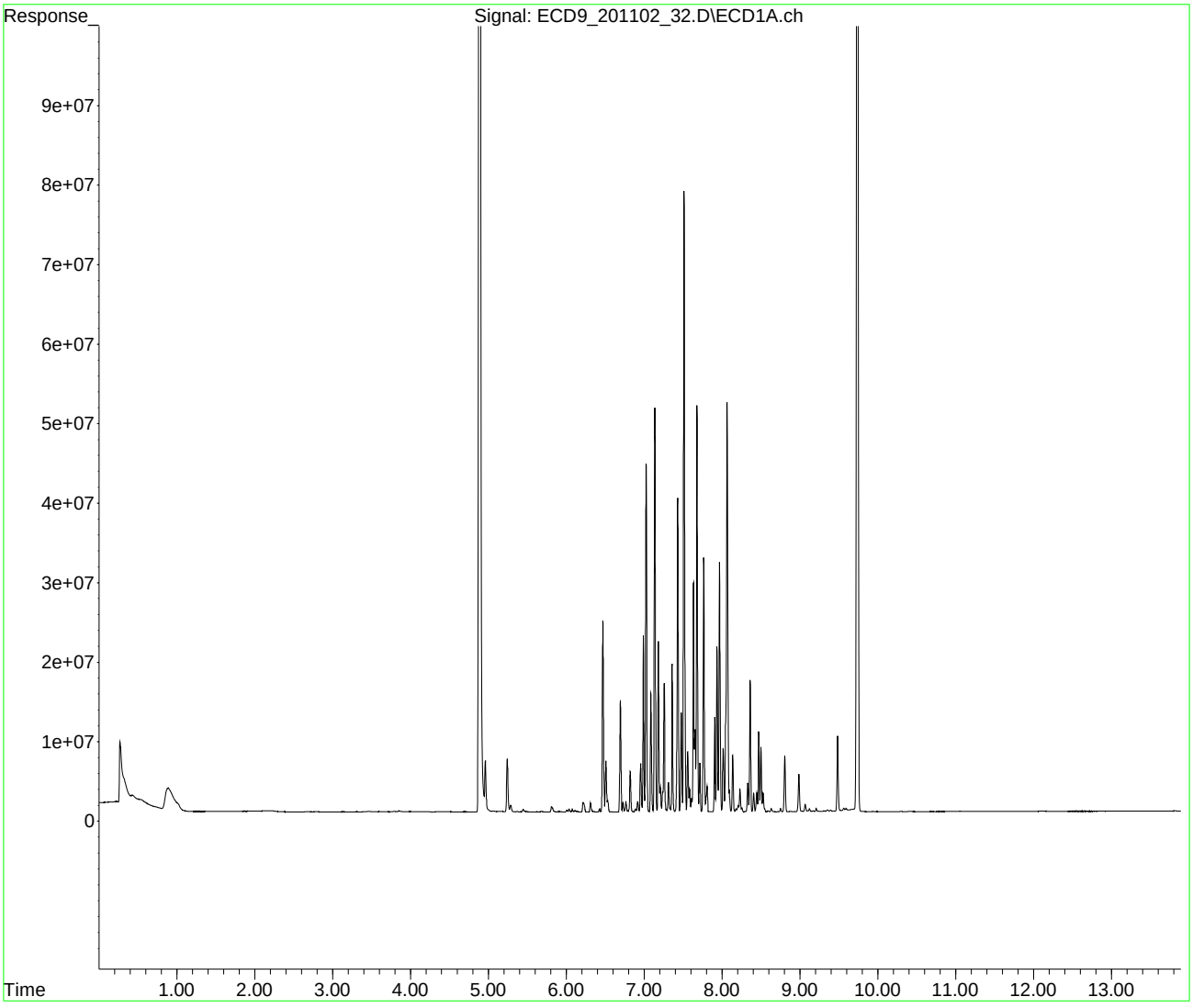
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_32.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 18:27
Operator :
Sample : 0K02062-CALC
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 16:10:42 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:09:52 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_34.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 18:45
Operator :
Sample : 0K02062-CALD
Misc :
ALS Vial : 16 Sample Multiplier: 1

KAK 11/5/2020

Integration File: PCB1.e
Quant Time: Nov 03 16:12:29 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	0.000	0	N.D.	ng/mld
64) S	DCBP (S)	0.000	0	N.D.	ng/mld
	Target Compounds				
2)	Aroclor 1016 (1)	0.000	0	N.D.	ng/mld
3)	Aroclor 1016 (2)	0.000	0	N.D.	ng/mld
4)	Aroclor 1016 (3)	0.000	0	N.D.	ng/mld
5)	Aroclor 1016 (4)	0.000	0	N.D.	ng/mld
6)	Aroclor 1016 (5)	0.000	0	N.D.	ng/mld
7)	Aroclor 1016 (6)	0.000	0	N.D.	ng/mld
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/mld
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 (4)	0.000	0	N.D.	ng/mld
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_34.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 18:45
Operator :
Sample : 0K02062-CALD
Misc :
ALS Vial : 16 Sample Multiplier: 1

KAK 11/3/2020

Integration File: PCB1.e
Quant Time: Nov 03 16:12:29 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	0.000	0	N.D.	ng/mld
44)	Aroclor 1260 (2)	0.000	0	N.D.	ng/mld
45)	Aroclor 1260 (3)	0.000	0	N.D.	ng/mld
46)	Aroclor 1260 (4)	0.000	0	N.D.	ng/mld
47)	Aroclor 1260 (5)	0.000	0	N.D.	ng/mld
48)	Aroclor 1260 (6)	0.000	0	N.D.	ng/mld
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (1)	7.765	51943312	614.719	ng/ml
51)	Aroclor 1262 (2)	8.093	73824287	610.928	ng/ml
52)	Aroclor 1262 (3)	8.329	62370857	633.321	ng/ml
53)	Aroclor 1262 (4)	8.500	130670612	652.325	ng/ml
54)	Aroclor 1262 (5)	8.802	78893864	682.477	ng/ml
55)	Aroclor 1262 (6)	9.208	41408697	684.023	ng/ml
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/ml
57)	Aroclor 1268 (1)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_34.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 18:45
Operator :
Sample : 0K02062-CALD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 16:12:29 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	0.000	0	N.D.	ng/mld
59)	Aroclor 1268 (3)	0.000	0	N.D.	ng/mld
60)	Aroclor 1268 (4)	0.000	0	N.D.	ng/mld
61)	Aroclor 1268 (5)	0.000	0	N.D.	ng/mld
62)	Aroclor 1268 (6)	0.000	0	N.D.	ng/mld
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/mld

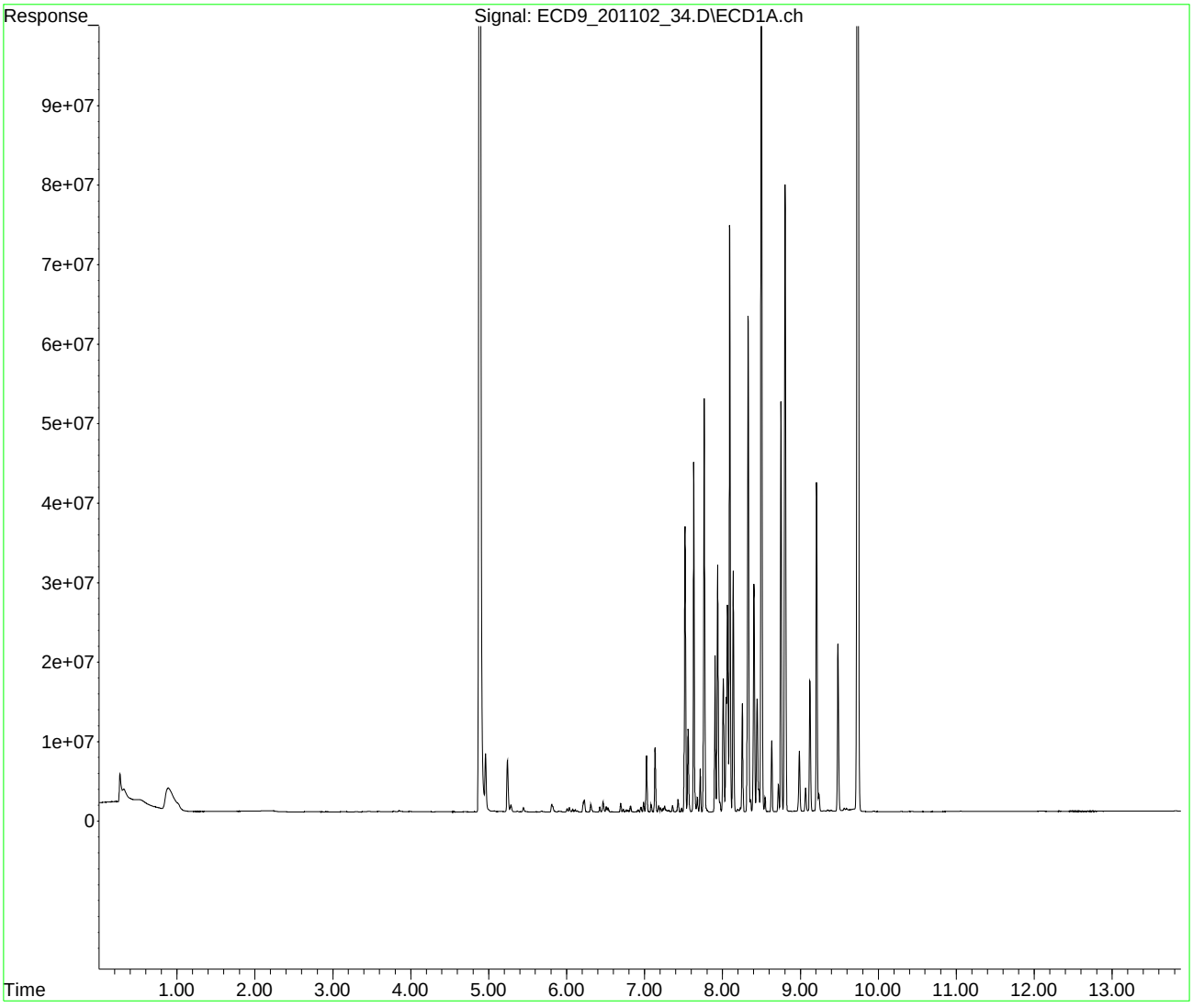
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_34.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 18:45
Operator :
Sample : 0K02062-CALD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 16:12:29 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:11:29 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_36.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 19:03
Operator :
Sample : 0K02062-CALE
Misc :
ALS Vial : 17 Sample Multiplier: 1

KAK 11/3/2020

Integration File: PCB1.e
Quant Time: Nov 03 16:14:05 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:13:14 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1) S	TCMX (S)	0.000	0	N.D.	ng/mld
64) S	DCBP (S)	0.000	0	N.D.	ng/mld
	Target Compounds				
2)	Aroclor 1016 (1)	0.000	0	N.D.	ng/mld
3)	Aroclor 1016 (2)	0.000	0	N.D.	ng/mld
4)	Aroclor 1016 (3)	0.000	0	N.D.	ng/mld
5)	Aroclor 1016 (4)	0.000	0	N.D.	ng/mld
6)	Aroclor 1016 (5)	0.000	0	N.D.	ng/mld
7)	Aroclor 1016 (6)	0.000	0	N.D.	ng/mld
8)	Aroclor 1016 - AVE	0.000	0	N.D.	ng/mld
9)	Aroclor 1221 (1)	0.000	0	N.D.	ng/mld
10)	Aroclor 1221 (2)	0.000	0	N.D.	ng/mld
11)	Aroclor 1221 (3)	0.000	0	N.D.	ng/mld
12)	Aroclor 1221 (4)	0.000	0	N.D.	ng/mld
13)	Aroclor 1221 (5)	0.000	0	N.D.	ng/mld
14)	Aroclor 1221 - AVE	0.000	0	N.D.	ng/mld
15)	Aroclor 1232 (1)	0.000	0	N.D.	ng/mld
16)	Aroclor 1232 (2)	0.000	0	N.D.	ng/mld
17)	Aroclor 1232 (3)	0.000	0	N.D.	ng/mld
18)	Aroclor 1232 (4)	0.000	0	N.D.	ng/mld
19)	Aroclor 1232 (5)	0.000	0	N.D.	ng/mld
20)	Aroclor 1232 (6)	0.000	0	N.D.	ng/mld
21)	Aroclor 1232 - AVE	0.000	0	N.D.	ng/mld
22)	Aroclor 1242 (1)	0.000	0	N.D.	ng/mld
23)	Aroclor 1242 (2)	0.000	0	N.D.	ng/mld
24)	Aroclor 1242 (3)	0.000	0	N.D.	ng/mld
25)	Aroclor 1242 (4)	0.000	0	N.D.	ng/mld
26)	Aroclor 1242 (5)	0.000	0	N.D.	ng/mld

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_36.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 19:03
Operator :
Sample : 0K02062-CALE
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 16:14:05 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:13:14 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
27)	Aroclor 1242 (6)	0.000	0	N.D.	ng/mld
28)	Aroclor 1242 - AVE	0.000	0	N.D.	ng/mld
29)	Aroclor 1248 (1)	0.000	0	N.D.	ng/mld
30)	Aroclor 1248 (2)	0.000	0	N.D.	ng/mld
31)	Aroclor 1248 (3)	0.000	0	N.D.	ng/mld
32)	Aroclor 1248 (4)	0.000	0	N.D.	ng/mld
33)	Aroclor 1248 (5)	0.000	0	N.D.	ng/mld
34)	Aroclor 1248 (6)	0.000	0	N.D.	ng/mld
35)	Aroclor 1248 - AVE	0.000	0	N.D.	ng/mld
36)	Aroclor 1254 (1)	0.000	0	N.D.	ng/mld
37)	Aroclor 1254 (2)	0.000	0	N.D.	ng/mld
38)	Aroclor 1254 (3)	0.000	0	N.D.	ng/mld
39)	Aroclor 1254 (4)	0.000	0	N.D.	ng/mld
40)	Aroclor 1254 (5)	0.000	0	N.D.	ng/mld
41)	Aroclor 1254 (6)	0.000	0	N.D.	ng/mld
42)	Aroclor 1254 - AVE	0.000	0	N.D.	ng/mld
43)	Aroclor 1260 (1)	0.000	0	N.D.	ng/mld
44)	Aroclor 1260 (2)	0.000	0	N.D.	ng/mld
45)	Aroclor 1260 (3)	0.000	0	N.D.	ng/mld
46)	Aroclor 1260 (4)	0.000	0	N.D.	ng/mld
47)	Aroclor 1260 (5)	0.000	0	N.D.	ng/mld
48)	Aroclor 1260 (6)	0.000	0	N.D.	ng/mld
49)	Aroclor 1260 - AVE	0.000	0	N.D.	ng/mld
50)	Aroclor 1262 (1)	0.000	0	N.D.	ng/mld
51)	Aroclor 1262 (2)	0.000	0	N.D.	ng/mld
52)	Aroclor 1262 (3)	0.000	0	N.D.	ng/mld
53)	Aroclor 1262 (4)	0.000	0	N.D.	ng/mld
54)	Aroclor 1262 (5)	0.000	0	N.D.	ng/mld
55)	Aroclor 1262 (6)	0.000	0	N.D.	ng/mld
56)	Aroclor 1262 - AVE	0.000	0	N.D.	ng/mld
57)	Aroclor 1268 (1)	8.321	33766401	~~617.656~~	ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_36.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 19:03
Operator :
Sample : 0K02062-CALE
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 16:14:05 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:13:14 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um

	Compound	R.T.	Response	Conc	Units
58)	Aroclor 1268 (2)	8.751	148385594	614.550	ng/ml
59)	Aroclor 1268 (3)	8.798	121230378	628.868	ng/ml
60)	Aroclor 1268 (4)	8.984	113751213	612.331	ng/ml
61)	Aroclor 1268 (5)	9.208	46149668	669.937	ng/ml
62)	Aroclor 1268 (6)	9.483	308103990	663.209	ng/ml
63)	Aroclor 1268 - AVE	0.000	0	N.D.	ng/ml

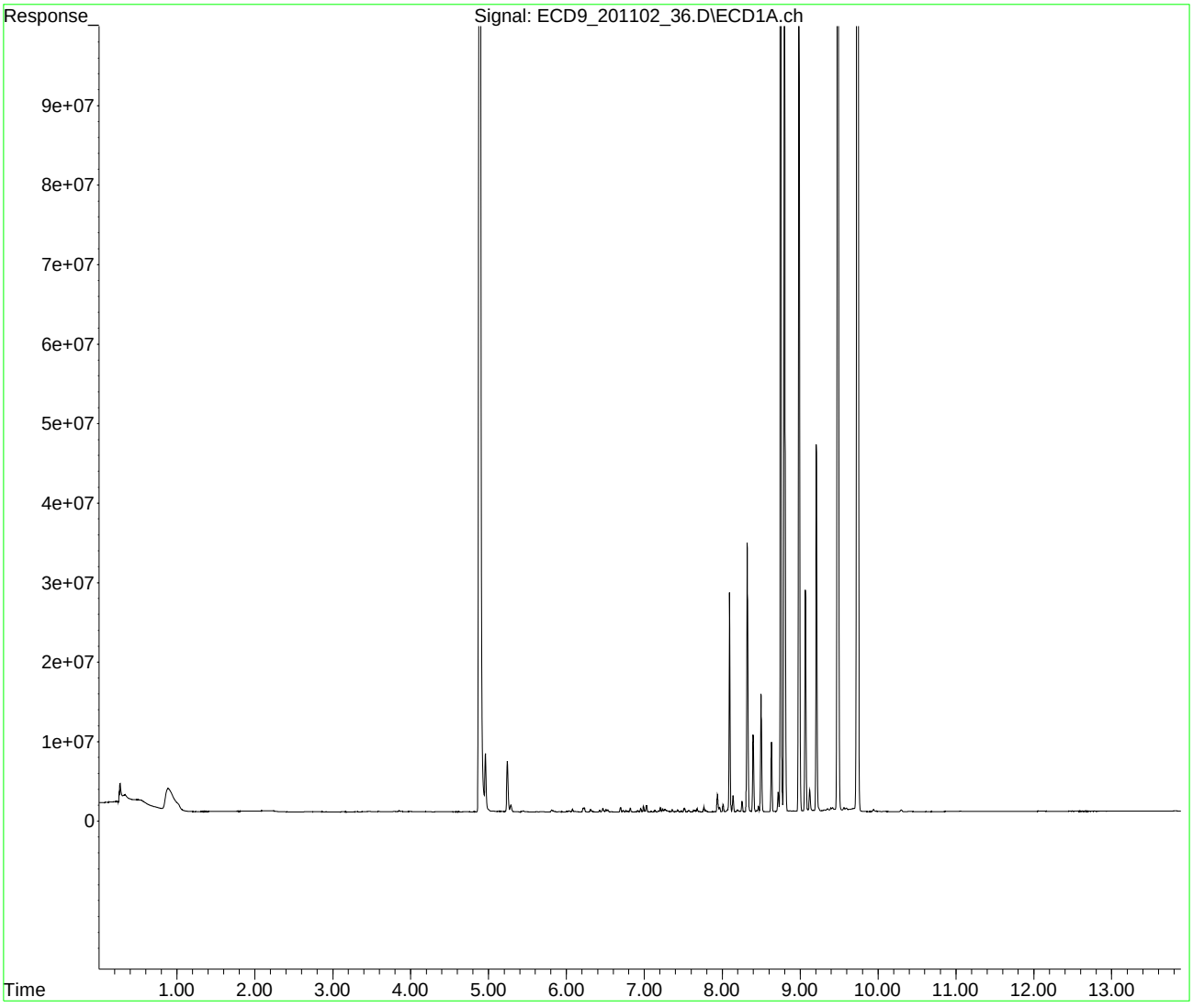
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : Z:\1\data\0K02062\
Data File : ECD9_201102_36.D
Signal(s) : ECD1A.ch
Acq On : 02 Nov 2020 19:03
Operator :
Sample : 0K02062-CALE
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File: PCB1.e
Quant Time: Nov 03 16:14:05 2020
Quant Method : Z:\1\methods\ECD9 Front Methods\FECD9_QUANTPCB_201102.M
Quant Title : PCB Data Analysis
QLast Update : Tue Nov 03 16:13:14 2020
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : RTX-1701
Signal Info : 30m x 0.32mm x 0.25um



Organochloride Pesticides by EPA 8081B
Benchsheet & Analysis Sequence Data

Batch 1012907
Sequence 1A18049 (A0K0482-01RE1,02RE1,03RE1,04RE1,05RE1,10RE1,
11RE1,12RE1,13RE1,14RE1,18RE1,19RE1,20RE1,21RE1,22RE1)

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 1012907 (Sediment)

Prep Method: EPA 3546/3640A (GPC)

#	Lab Number		Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH <2	pH Other	pH >11
	1012907-BLK1		QC	01/06/21 11:23	11	10				100					
	1012907-BS1		QC	01/06/21 11:23	10	10	A20K281		100	100					
	A0K0482-01RE1	A	8081B 2,4+4,4-DDx Only (+Add)	01/06/21 11:23	10.6	10				100	USMPDI-003SC-A-01-02-201110	From 1012558 by gwh on 01/14/21			
	1012907-DUP1		QC	01/06/21 11:23	10.43	10		A0K0482-01RE1		100					
	A0K0482-02RE1	A	8081B 2,4+4,4-DDx Only (+Add)	01/06/21 11:23	10.16	10				100	USMPDI-003SC-A-02-03-201110	From 1012558 by gwh on 01/14/21			
	A0K0482-03RE1	A	8081B 2,4+4,4-DDx Only (+Add)	01/06/21 11:23	10.27	10				100	USMPDI-003SC-A-03-04-201110	MS/MSD			
	1012907-MS1		QC	01/06/21 11:23	10.37	10	A20K281	A0K0482-03RE1	100	100					
	1012907-MSD1		QC	01/06/21 11:23	10.24	10	A20K281	A0K0482-03RE1	100	100					
	A0K0482-04RE1	A	8081B 2,4+4,4-DDx Only (+Add)	01/06/21 11:23	10.45	10				100	USMPDI-003SC-A-04-05-201110	From 1012558 by gwh on 01/14/21			
	A0K0482-04RE2	A	8081B 2,4+4,4-DDx Only (+Add)	01/06/21 11:23	10.45	10				100	USMPDI-003SC-A-04-05-201110	Added 1/19/2021 By MJB			
	A0K0482-05RE1	A	8081B 2,4+4,4-DDx Only (+Add)	01/06/21 11:23	10.45	10				100	USMPDI-1003SC-A-01-02-201110	From 1012558 by gwh on 01/14/21			
	A0K0482-05RE2	A	8081B 2,4+4,4-DDx Only (+Add)	01/06/21 11:23	10.45	10				100	USMPDI-1003SC-A-01-02-201110	Added 1/19/2021 By MJB			
	A0K0482-10RE1	A	8081B 2,4+4,4-DDx Only (+Add)	01/06/21 11:23	10.67	10				100	USMPDI-003SC-B-06-08-201110	From 1012558 by gwh on 01/14/21			
	A0K0482-10RE2	A	8081B 2,4+4,4-DDx Only (+Add)	01/06/21 11:23	10.67	10				100	USMPDI-003SC-B-06-08-201110	Added 1/19/2021 By MJB			
	A0K0482-11RE1	A	8081B 2,4+4,4-DDx Only (+Add)	01/06/21 11:23	10.63	10				100	USMPDI-006SC-A-01-02-201110	From 1012558 by gwh on 01/14/21			
	A0K0482-11RE2	A	8081B 2,4+4,4-DDx Only (+Add)	01/06/21 11:23	10.63	10				100	USMPDI-006SC-A-01-02-201110	Added 1/19/2021 By MJB			
	A0K0482-12RE1	A	8081B 2,4+4,4-DDx Only (+Add)	01/06/21 11:23	10.13	10				100	USMPDI-006SC-A-02-03-201110	From 1012558 by gwh on 01/14/21			
	A0K0482-12RE2	A	8081B 2,4+4,4-DDx Only (+Add)	01/06/21 11:23	10.13	10				100	USMPDI-006SC-A-02-03-201110	Added 1/19/2021 By MJB			
	A0K0482-13RE1	A	8081B 2,4+4,4-DDx Only (+Add)	01/06/21 11:23	10.29	10				100	USMPDI-006SC-A-03-04-201110	From 1012558 by gwh on 01/14/21			

Prepared By: Date

MJB 1/22/21
Reviewed By: Date

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 1012907 (Sediment)

Prep Method: EPA 3546/3640A (GPC)

#	Lab Number		Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH <2	pH Other	pH >11
	A0K0482-13RE2	A	8081B 2,4+4,4-DDx Only (+Add)	01/06/21 11:23	10.29	10				100	USMPDI-006SC-A-03-04-201110	Added 1/19/2021 By MJB			
	A0K0482-14RE1	A	8081B 2,4+4,4-DDx Only (+Add)	01/06/21 11:23	10.49	10				100	USMPDI-006SC-A-04-05-201110	From 1012558 by gwh on 01/14/21			
	A0K0482-14RE2	A	8081B 2,4+4,4-DDx Only (+Add)	01/06/21 11:23	10.49	10				100	USMPDI-006SC-A-04-05-201110	Added 1/19/2021 By MJB			
	A0K0482-18RE1	A	8081B 2,4+4,4-DDx Only (+Add)	01/06/21 11:23	10.77	10				100	USMPDI-006SC-D-06-08-201110	From 1012558 by gwh on 01/14/21			
	A0K0482-18RE2	A	8081B 2,4+4,4-DDx Only (+Add)	01/06/21 11:23	10.77	10				100	USMPDI-006SC-D-06-08-201110	Added 1/19/2021 By MJB			
	A0K0482-19RE1	A	8081B 2,4+4,4-DDx Only (+Add)	01/06/21 11:23	10.61	10				100	USMPDI-006SC-D-08-10-201110	From 1012558 by gwh on 01/14/21			
	A0K0482-19RE2	A	8081B 2,4+4,4-DDx Only (+Add)	01/06/21 11:23	10.61	10				100	USMPDI-006SC-D-08-10-201110	Added 1/19/2021 By MJB			
	A0K0482-20RE1	A	8081B 2,4+4,4-DDx Only (+Add)	01/06/21 11:23	10.45	10				100	USMPDI-006SC-D-10-12-201110	From 1012558 by gwh on 01/14/21			
	A0K0482-20RE2	A	8081B 2,4+4,4-DDx Only (+Add)	01/06/21 11:23	10.45	10				100	USMPDI-006SC-D-10-12-201110	Added 1/19/2021 By MJB			
	A0K0482-21RE1	A	8081B 2,4+4,4-DDx Only (+Add)	01/06/21 11:23	10.49	10				100	USMPDI-006SC-D-12-14-201110	MS/MSD			
	1012907-MS2		QC	01/06/21 11:23	10.26	10	A20K281	A0K0482-21RE1	100	100					
	1012907-MSD2		QC	01/06/21 11:23	10.42	10	A20K281	A0K0482-21RE1	100	100					
	A0K0482-21RE2	A	8081B 2,4+4,4-DDx Only (+Add)	01/06/21 11:23	10.49	10				100	USMPDI-006SC-D-12-14-201110	Added 1/19/2021 By MJB			
	1012907-MS3		QC	01/06/21 11:23	10.26	10	A20K281	A0K0482-21RE2	100	100					
	1012907-MSD3		QC	01/06/21 11:23	10.42	10	A20K281	A0K0482-21RE2	100	100					
	A0K0482-22RE1	A	8081B 2,4+4,4-DDx Only (+Add)	01/06/21 11:23	10.33	10				100	USMPDI-1006SC-D-10-12-201110	From 1012558 by gwh on 01/14/21			
	A0K0482-22RE2	A	8081B 2,4+4,4-DDx Only (+Add)	01/06/21 11:23	10.33	10				100	USMPDI-1006SC-D-10-12-201110	Added 1/19/2021 By MJB			

Standards/Reagents

Prepared By: Date

Reviewed By: Date

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 1012907 (Sediment)

Prep Method: EPA 3546/3640A (GPC)

#	Lab Number		Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH <2	pH Other	pH >11

Reagent(s)

Std ID	Exp. Date	Description
A20I319	03/21/21	DCM lot # 201490
A20L016	05/30/21	n-Hexane Lot# 206352

Analyte Spike(s)

Std ID	Exp. Date	Description
A20K281	03/30/21	2,4 + 4,4 DDx Pesticide Matrix Spike

Surrogate(s)

Std ID	Exp. Date	Description
A20L337	06/11/21	8082 PCB Surrogate Spike

From 1012558 on 1/14/2021 by gwh

Prepared By: Date

Reviewed By: Date

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 1012907 (Sediment)

Prep Method: EPA 3546/3640A (GPC)

#	Lab Number		Analysis	Prepared	Initial (g)	Final (mL) In / Out	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH <2	pH Other	pH >11
2	1012907-BLK1		QC	01/06/21 11:23	11	5 / 10				100		1mL 2mL			
3	1012907-BS1		QC	01/06/21 11:23	10	5 / 10	A20K281		100	100		1mL 2mL			
4	A0K0482-01RE1	A	8081B 2,4+4,4-DDx Only (+Add)	01/06/21 11:23	10.6	5 / 10				100	USMPDI-003SC-A-01-02-201110	From 1012558 by gwh on 01/14/21 1mL 2mL			
5	1012907-DUP1		QC	01/06/21 11:23	10.43	5 / 10		A0K0482-01RE1		100		1mL 2mL			
6	A0K0482-02RE1	A	8081B 2,4+4,4-DDx Only (+Add)	01/06/21 11:23	10.16	5 / 10				100	USMPDI-003SC-A-02-03-201110	From 1012558 by gwh on 01/14/21 1mL 2mL			
7	A0K0482-03RE1	A	8081B 2,4+4,4-DDx Only (+Add)	01/06/21 11:23	10.27	5 / 10				100	USMPDI-003SC-A-03-04-201110	MS/MSD 1mL 2mL			
8	1012907-MS1		QC	01/06/21 11:23	10.37	5 / 10	A20K281	A0K0482-03RE1	100	100		1mL 2mL			
9	1012907-MSD1		QC	01/06/21 11:23	10.24	5 / 10	A20K281	A0K0482-03RE1	100	100		1mL 2mL			
10	A0K0482-04RE1	A	8081B 2,4+4,4-DDx Only (+Add)	01/06/21 11:23	10.45	5 / 10				100	USMPDI-003SC-A-04-05-201110	From 1012558 by gwh on 01/14/21 1mL 2mL			
11	A0K0482-05RE1	A	8081B 2,4+4,4-DDx Only (+Add)	01/06/21 11:23	10.45	5 / 10				100	USMPDI-1003SC-A-01-02-201110	From 1012558 by gwh on 01/14/21 1mL 2mL			
12	A0K0482-10RE1	A	8081B 2,4+4,4-DDx Only (+Add)	01/06/21 11:23	10.67	5 / 10				100	USMPDI-003SC-B-06-08-201110	From 1012558 by gwh on 01/14/21 1mL 2mL			
13	A0K0482-11RE1	A	8081B 2,4+4,4-DDx Only (+Add)	01/06/21 11:23	10.63	5 / 10				100	USMPDI-006SC-A-01-02-201110	From 1012558 by gwh on 01/14/21 1mL 2mL			
14	A0K0482-12RE1	A	8081B 2,4+4,4-DDx Only (+Add)	01/06/21 11:23	10.13	5 / 10				100	USMPDI-006SC-A-02-03-201110	From 1012558 by gwh on 01/14/21 1mL 2mL			
15	A0K0482-13RE1	A	8081B 2,4+4,4-DDx Only (+Add)	01/06/21 11:23	10.29	5 / 10				100	USMPDI-006SC-A-03-04-201110	From 1012558 by gwh on 01/14/21 1mL 2mL			
16	A0K0482-14RE1	A	8081B 2,4+4,4-DDx Only (+Add)	01/06/21 11:23	10.49	5 / 10				100	USMPDI-006SC-A-04-05-201110	From 1012558 by gwh on 01/14/21 1mL 2mL			
17	A0K0482-18RE1	A	8081B 2,4+4,4-DDx Only (+Add)	01/06/21 11:23	10.77	5 / 10				100	USMPDI-006SC-D-06-08-201110	From 1012558 by gwh on 01/14/21 1mL 2mL			
18	A0K0482-19RE1	A	8081B 2,4+4,4-DDx Only (+Add)	01/06/21 11:23	10.61	5 / 10				100	USMPDI-006SC-D-08-10-201110	From 1012558 by gwh on 01/14/21 1mL 2mL			
19	A0K0482-20RE1	A	8081B 2,4+4,4-DDx Only (+Add)	01/06/21 11:23	10.45	5 / 10				100	USMPDI-006SC-D-10-12-201110	From 1012558 by gwh on 01/14/21 1mL 2mL			
20	A0K0482-21RE1	A	8081B 2,4+4,4-DDx Only (+Add)	01/06/21 11:23	10.49	5 / 10				100	USMPDI-006SC-D-12-14-201110	MS/MSD 1mL 2mL ☆			
21	1012907-MS2		QC	01/06/21 11:23	10.26	5 / 10	A20K281	A0K0482-21RE1	100	100		1mL 2mL			
22	1012907-MSD2		QC	01/06/21 11:23	10.42	5 / 10	A20K281	A0K0482-21RE1	100	100		1mL 2mL ☆			

Prepared By: [signature] Date: 1/14/21

Reviewed By: JY Date: 1/14 1/15/21

AJJ 1-15-21

JY 1/15/21

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 1012907 (Sediment)

Prep Method: EPA 3546/3640A (GPC)

In | Out

#	Lab Number		Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH <2	pH Other	pH >11
2 ~~B~~	A0K0482-22RE1	A	8081B 2,4+4,4-DDx Only (+Add)	01/06/21 11:23	10.33	5/10				100	USMPDI-1006SC-D-10-12-20111 0	From 1012558 by gwh on 01/14/21 1mL 2mL			

Standards/Reagents

Reagent(s)

Std ID	Exp. Date	Description
A20I319	03/21/21	DCM lot # 201490
A20L016	05/30/21	n-Hexane Lot# 206352

Analyte Spike(s)

Std ID	Exp. Date	Description
A20K281	03/30/21	2,4 + 4,4 DDx Pesticide Matrix Spike

Surrogate(s)

Std ID	Exp. Date	Description
A20L337	06/11/21	8082 PCB Surrogate Spike

From 1012558 on 1/14/2021 by gwh

* = Overpressure
JC 1-15-21

Prepared By: Date

Reviewed By: Date

APEX LABORATORIES

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 1012558 (Sediment)

Prep Method: EPA 3546

#	Lab Number		Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH <2	pH Other	pH >11
1	1012558-BLK1		QC	01/06/21 11:23	~~10~~ 11	5 ✓				100					
2	1012558-BS1		QC	01/06/21 11:23	10	5 ✓	A20I454		100	100					
3	A0K0482-01	A	8081B 2,4+4,4-DDx Only (+Add)	01/06/21 11:23	~~10~~ 10.60	5 ✓				100	USMPDI-003SC-A-01-02-201110	dirt, (PD)			
4	1012558-DUP1		QC	01/06/21 11:23	~~10~~ 10.43	5 ✓		A0K0482-01		100					
5	A0K0482-02	A	8081B 2,4+4,4-DDx Only (+Add)	01/06/21 11:23	~~10~~ 10.16	5 ✓				100	USMPDI-003SC-A-02-03-201110	dirt			
6	A0K0482-03	A	8081B 2,4+4,4-DDx Only (+Add)	01/06/21 11:23	~~10~~ 10.27	5 ✓				100	USMPDI-003SC-A-03-04-201110	MS/MSD dirt			
7	1012558-MS1		QC	01/06/21 11:23	~~10~~ 10.37	5 ✓	A20I454	A0K0482-03	100	100					
8	1012558-MSD1		QC	01/06/21 11:23	~~10~~ 10.24	5 ✓	A20I454	A0K0482-03	100	100					
9	A0K0482-04	A	8081B 2,4+4,4-DDx Only (+Add)	01/06/21 11:23	~~10~~ 10.45	5 ✓				100	USMPDI-003SC-A-04-05-201110	dirt			
10	A0K0482-05	A	8081B 2,4+4,4-DDx Only (+Add)	01/06/21 11:23	~~10~~ 10.45	5 ✓				100	USMPDI-1003SC-A-01-02-201110	dirt			
11	A0K0482-10	A	8081B 2,4+4,4-DDx Only (+Add)	01/06/21 11:23	~~10~~ 10.67	5 ✓				100	USMPDI-003SC-B-06-08-201110	dirt			
12	A0K0482-11	A	8081B 2,4+4,4-DDx Only (+Add)	01/06/21 11:23	~~10~~ 10.63	5 ✓				100	USMPDI-006SC-A-01-02-201110	Mud (PD), (5)			
13	A0K0482-12	A	8081B 2,4+4,4-DDx Only (+Add)	01/06/21 11:23	~~10~~ 10.13	5 ✓				100	USMPDI-006SC-A-02-03-201110	dirt			
14	A0K0482-13	A	8081B 2,4+4,4-DDx Only (+Add)	01/06/21 11:23	~~10~~ 10.29	5 ✓				100	USMPDI-006SC-A-03-04-201110	dirt			
15	A0K0482-14	A	8081B 2,4+4,4-DDx Only (+Add)	01/06/21 11:23	~~10~~ 10.49	5 ✓				100	USMPDI-006SC-A-04-05-201110	dirt			
16	A0K0482-18	A	8081B 2,4+4,4-DDx Only (+Add)	01/06/21 11:23	~~10~~ 10.77	5 ✓				100	USMPDI-006SC-D-06-08-201110	dirt			
17	A0K0482-19	A	8081B 2,4+4,4-DDx Only (+Add)	01/06/21 11:23	~~10~~ 10.61	5 ✓				100	USMPDI-006SC-D-08-10-201110	dirt			
18	A0K0482-20	A	8081B 2,4+4,4-DDx Only (+Add)	01/06/21 11:23	~~10~~ 10.45	5 ✓				100	USMPDI-006SC-D-10-12-201110	dirt			
19	A0K0482-21	A	8081B 2,4+4,4-DDx Only (+Add)	01/06/21 11:23	~~10~~ 10.49	5 ✓				100	USMPDI-006SC-D-12-14-201110	MS/MSD dirt			
20	1012558-MS2		QC	01/06/21 11:23	~~10~~ 10.26	5 ✓	A20I454	A0K0482-21	100	100					
21	1012558-MSD2		QC	01/06/21 11:23	~~10~~ 10.42	5 ✓	A20I454	A0K0482-21	100	100					

Prepared By: SCA Date: 1/6/21 01/06/2021

Reviewed By: JHA Date: 1/6/2021

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 1012558 (Sediment)

Prep Method: EPA 3546

#	Lab Number		Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH <2	pH Other	pH >11
22	A0K0482-22	A	8081B 2,4+4,4-DDx Only (+Add)	01/06/21 11:23	~~10~~ 10.33	5 ✓				100	USMPDI-1006SC-D-10-12-201110	dist			

Standards/Reagents

Reagent(s)

Std ID	Exp. Date	Description
A13L219	11/30/23	Extractions Balance
A20F023	11/29/22	Sodium Sulfate Lot # 196476
A20I319	03/21/21	DCM lot # 201490
A20J185	04/10/26	Glass Wool

Analyte Spike(s)

Std ID	Exp. Date	Description
~~A20I454~~ A20K281	03/30/21	2,4 + 4,4 DDx Pesticide Matrix Spike

Surrogate(s)

Std ID	Exp. Date	Description
A20L337	06/11/21	8082 PCB Surrogate Spike

Method 3546 digestion time and temperture achieved.
Initial:

Witness: Cas 01/06/21

(PO) = Partial dryout in microwave
(S) = Staining on turbovap tube

Prepared By: Date

Reviewed By: Date

ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence:	**1A18049**	Instrument:	**DUALECD3**
Date:	**01/18/21 11:18**	Calibration:	**A0L2210**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	1A18049-BKD1	Sediment	QC	QC				A20K279
2	1A18049-CCV1	Sediment	QC	QC				A20L216
3	1A18049-BKD2	Sediment	QC	QC				A20K279
4	1A18049-CCV2	Sediment	QC	QC				A20L216
5	1A18049-CCV3	Sediment	QC	QC				A21A187
6	1A18049-BKD3	Sediment	QC	QC				A20K279
7	1A18049-CCV4	Sediment	QC	QC				A20L216
8	1A18049-CCV5	Sediment	QC	QC				A21A187
9	1A18049-CCB1	Sediment	QC	QC				A20L446
10	1012907-BLK1	Sediment	QC	QC		1012907		
11	1012907-BS1	Sediment	QC	QC		1012907		
12	A0K0482-01RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	01/14/21	1012907		
13	1012907-DUP1	Sediment	QC	QC		1012907		
14	A0K0482-02RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	01/14/21	1012907		
15	A0K0482-03RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	01/14/21	1012907		
16	1012907-MS1	Sediment	QC	QC		1012907		
17	1012907-MSD1	Sediment	QC	QC		1012907		
18	1A18049-CCV6	Sediment	QC	QC				A20L217
19	1A18049-CCV7	Sediment	QC	QC				A21A188
20	1A18049-CCB2	Sediment	QC	QC				A20L446
21	A0K0482-04RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	01/14/21	1012907		
22	A0K0482-05RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	01/14/21	1012907		
23	A0K0482-10RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	01/14/21	1012907		
24	A0K0482-11RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	01/14/21	1012907		
25	1A18049-IBL1	Sediment	QC	QC				
26	A0K0482-12RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	01/14/21	1012907		
27	A0K0482-13RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	01/14/21	1012907		
28	A0K0482-14RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	01/14/21	1012907		
29	A0K0482-18RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	01/14/21	1012907		
30	1A18049-CCV8	Sediment	QC	QC				A20L216
31	1A18049-CCV9	Sediment	QC	QC				A21A187
32	1A18049-CCB3	Sediment	QC	QC				A20L446
33	A0K0482-19RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	01/14/21	1012907		
34	A0K0482-20RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	01/14/21	1012907		
35	A0K0482-21RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	01/14/21	1012907		
36	1012907-MS2	Sediment	QC	QC		1012907		
37	1012907-MSD2	Sediment	QC	QC		1012907		
38	A0K0482-22RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	01/14/21	1012907		
39	1A18049-CCVA	Sediment	QC	QC				A20L217
40	1A18049-CCVB	Sediment	QC	QC				A21A188
41	1A18049-CCB4	Sediment	QC	QC				A20L446
42	1A18049-IBL2	Sediment	QC	QC				

Data Entered By/Date: MJB 1/19/21

Comments:

Data Reviewed By/Date: dgj 1/19/21

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182103.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 12:06
Operator : MJB
Sample : 1A18049-BKD1 MJB 1/19/21
Misc : A20K279
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 18 12:21:23 2021
Quant Method : C:\msdchem\3\METHODS\PestBreakdownCHK_201221RT1.M
Quant Title : Pesticides
QLast Update : Fri Nov 09 13:28:51 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	4,4'-DDE	7.679	721677	NoCal	ng/mL
2)	Endrin	8.068	56556409	NoCal	ng/mL
3)	4,4'-DDD	8.108	7008248	NoCal	ng/mL
4)	4,4'-DDT	8.302	99738907	NoCal	ng/mL
5)	Endrin Aldehyde	8.523	2611738	NoCal	ng/mL
6)	Endrin Ketone	9.027	5739873	NoCal	ng/mL
8)	4,4'-DDE [2C]	8.139	504300	NoCal	ng/mL
9)	Endrin [2C]	8.496	31511491	NoCal	ng/mL
10)	4,4'-DDD [2C]	8.550	4878222	NoCal	ng/mL
11)	Endrin Aldehyde [2C]	8.878	2013288	NoCal	ng/mL
12)	4,4'-DDT [2C]	8.772	52143418	NoCal	ng/mL
13)	Endrin Ketone [2C]	9.457	4024557	NoCal	ng/mL

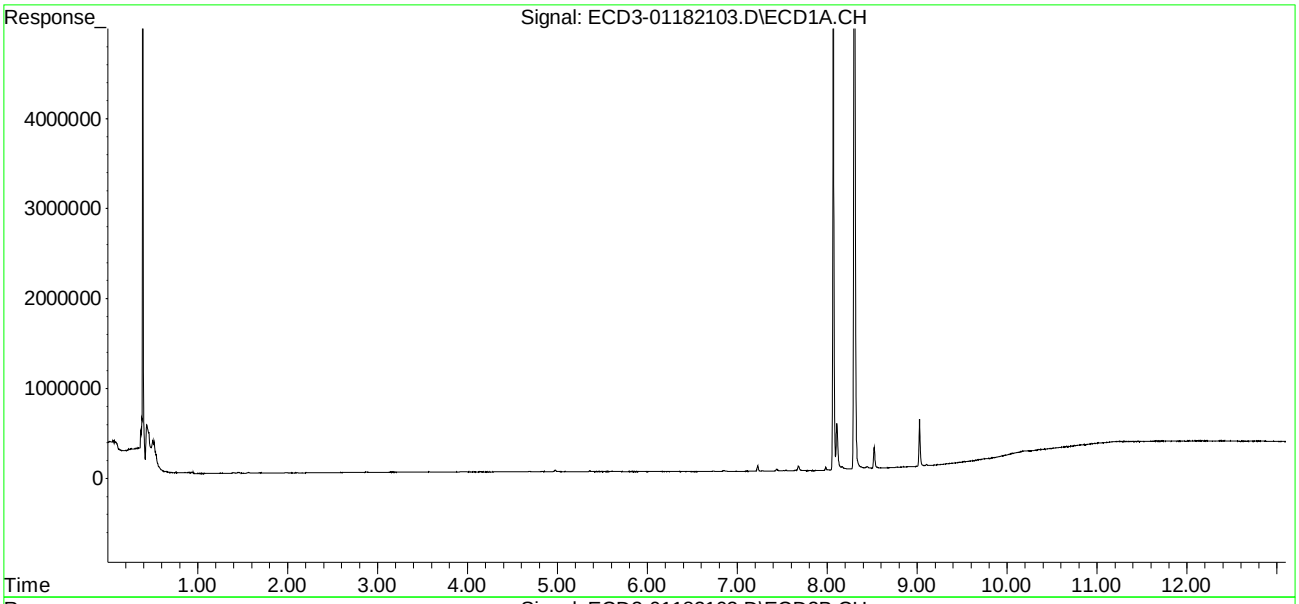
(f)=RT Delta > 1/2 Window (m)=manual int.

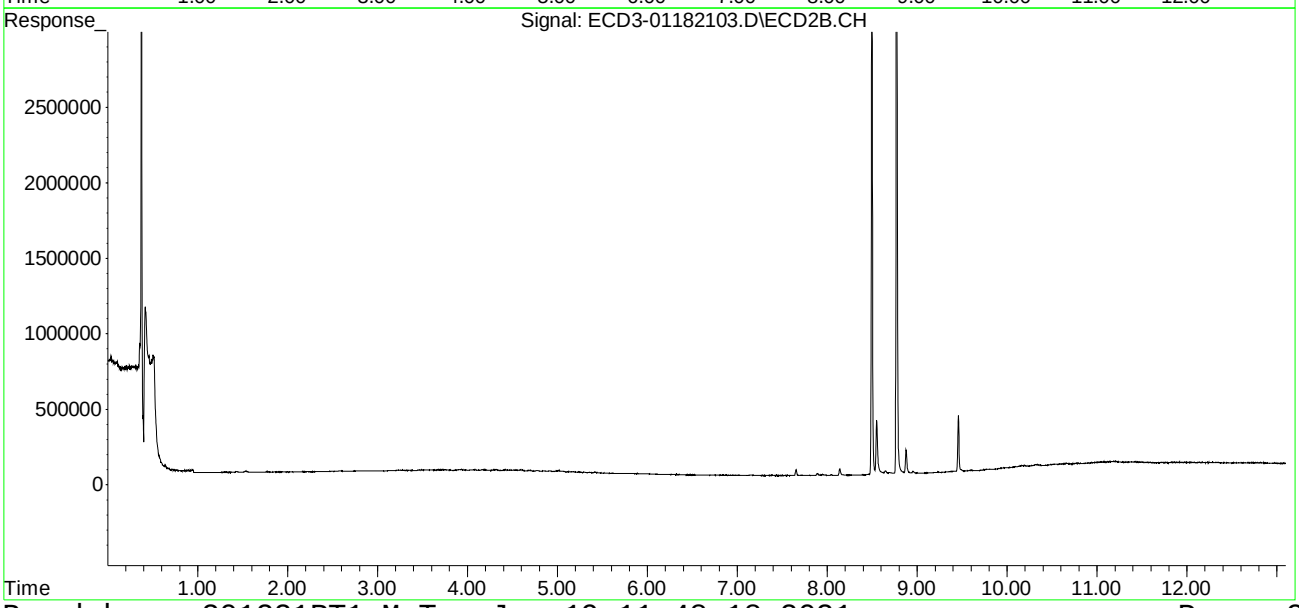
CCV failed. Maintenance performed.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182103.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 12:06
Operator : MJB
Sample : 1A18049-BKD1
Misc : A20K279
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 18 12:21:23 2021
Quant Method : C:\msdchem\3\METHODS\PestBreakdownCHK_201221RT1.M
Quant Title : Pesticides
QLast Update : Fri Nov 09 13:28:51 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Q-14

MJB 1/19/21

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182104.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 12:23
Operator : MJB
Sample : 1A18049-CCV1
Misc : A20L216, AB 50 ppb
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 18 12:36:59 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT1.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.494	5.807	7293174	4566323	39.341	42.231	
22) S	DCBP (S)	9.695	10.295	4553074	2638221	41.343	43.626	
	Target Compounds							
2)	a-BHC	6.043	6.399	10459673	6394397	43.957	43.206	
3)	g-BHC	6.328	6.713	8976560	5687971	42.953	43.739	
4)	b-BHC	6.407	6.781	3328768	2219191	37.286	39.354	
5)	Heptachlor	6.725	7.085	8995994	5317280	45.996	43.704	
6)	d-BHC	6.558	7.028	7343925	4849314	37.600	41.066	
7)	Aldrin	6.966	7.347	8526960	5294145	42.074	42.365	
8)	Heptachlo...	7.434	7.781	7675944	4678481	44.875	43.560	
9)	trans-Chl...	7.526	7.922	7613173	4721632	40.791	43.226	
10)	cis-Chlor...	7.623	8.029	7369825	4622195	43.191	44.644	
11)	Endosulfa...	7.726	8.076	7059709	4339408	42.815	42.655	
12)	4,4'-DDE	7.678	8.136	7091526	4468848	38.467	39.671	
13)	Dieldrin	7.900	8.274	7891894	4914152	42.893	43.862	
14)	Endrin	8.067	8.496	6582776	3752411	47.932	46.075	
15)	4,4'-DDD	8.106	8.549	5894597	3501433	41.099	39.860	
16)	Endosulfa...	8.228	8.643	5900173	3615153	41.784	41.531	
17)	4,4'-DDT	8.301	8.772	5676598	3133152	44.758	43.315	
18)	Endrin Al...	8.523	8.877	5146990	3186348	43.847	45.902	
19)	Endosulfa...	8.827	9.071	5876602	3486946	45.076	47.003	
20)	Methoxychlor	8.633	9.237	2431536	1421658	41.104	40.755	
21)	Endrin Ke...	9.026	9.457	6981323	4107653	49.847	50.067	
23)	Hexachlor...	0.000	3.526	0	1994	N.D.	1294.145	#
24)	Hexachlor...	5.881	0.000	14093	0	BelowCal	N.D.	
25)	Oxychlordane	7.367	0.000	37233	0	0.028	N.D.	#
26)	2,4'-DDE	7.434	7.922	7675944	4721632	68.726	66.457	
27)	trans-Non...	7.623	7.986	7369825	20171	44.067	74602.113	#
28)	2,4'-DDD	0.000	8.274	0	4914152	N.D.	80.053	#
29)	2,4'-DDT	7.982	8.496	24615	3752411	0.074	65.391	#

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182104.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 12:23
Operator : MJB
Sample : 1A18049-CCV1
Misc : A20L216, AB 50 ppb
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 18 12:36:59 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT1.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

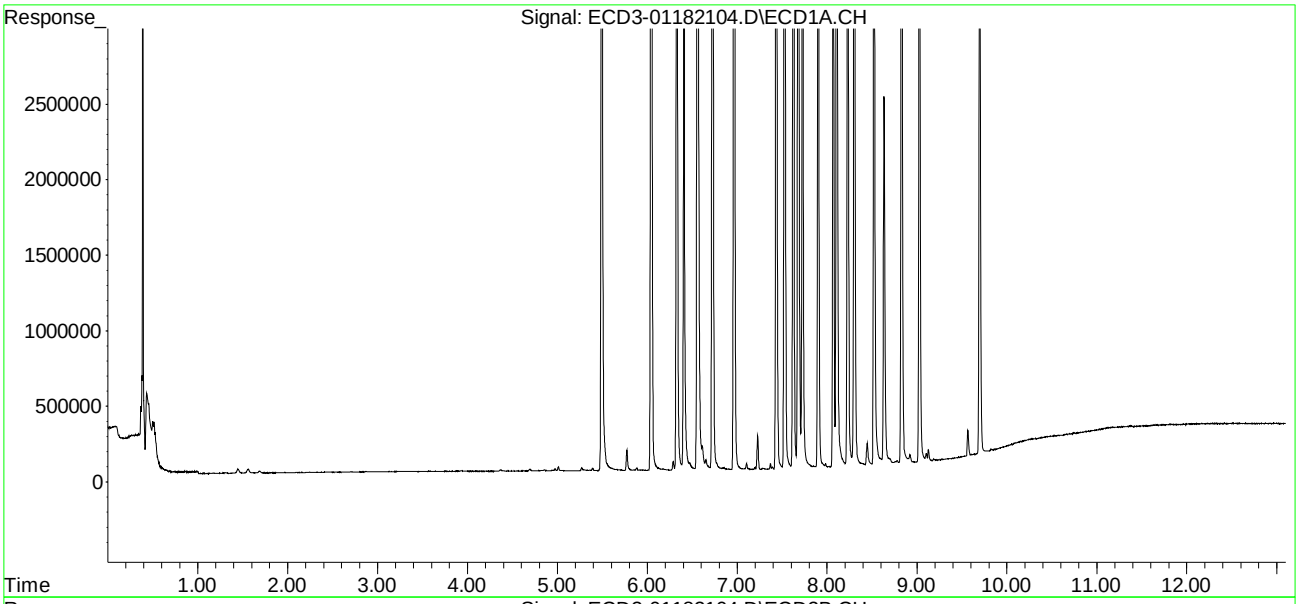
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.106	8.549	5894597	3501433	33.187	32.790	
31)	Mirex	8.755	9.457	11423	4107653	BelowCal	65.785	
32)	Chlordane...	7.526f	7.986	7613173	20171	373.869	1.508	#
33)	Chlordane...	7.678f	8.076	7091526	4339408	365.568	384.695	
34)	Chlordane...	8.228	8.725	5900173	22389	980.318	6.274	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.623	8.274f	7369825	4914152	9124.986	3974.019	#
37)	Toxaphene...	7.900f	8.643	7891894	3615153	6010.563	2574.567	#
38)	Toxaphene...	8.228f	8.725f	5900173	22389	1739.535	11.158	#
39)	Toxaphene...	8.523f	8.772	5146990	3133152	1462.145	941.277	
40)	Toxaphene...	8.701f	8.955f	31688	125048	11.686	61.984	#
41)	Toxaphene...	8.779	9.324	18298	12563	5.803	6.187	
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

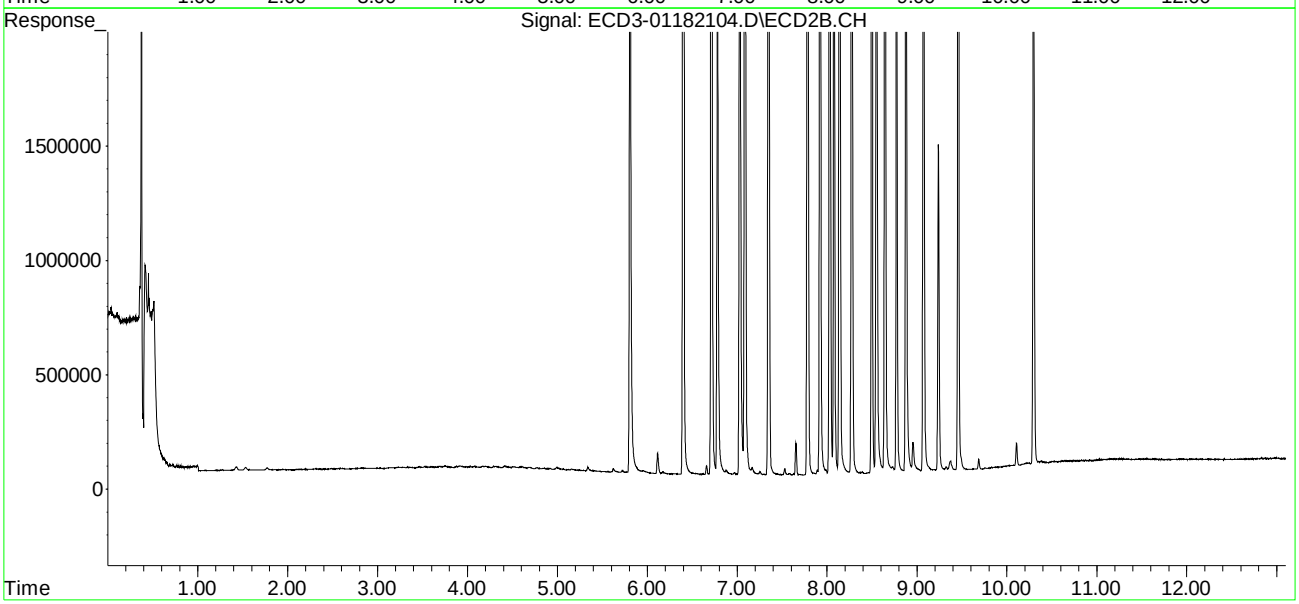
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182104.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 12:23
Operator : MJB
Sample : 1A18049-CCV1
Misc : A20L216, AB 50 ppb
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 18 12:36:59 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT1.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182106.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 13:16
Operator : MJB
Sample : 1A18049-BKD2
Misc : A20K279
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 1/19/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 18 13:30:10 2021
Quant Method : C:\msdchem\3\METHODS\PestBreakdownCHK_201221RT1.M
Quant Title : Pesticides
QLast Update : Fri Nov 09 13:28:51 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	4,4'-DDE	7.670	743557	NoCal	ng/mL
2)	Endrin	8.058	58643450	NoCal	ng/mL
3)	4,4'-DDD	8.098	5735268	NoCal	ng/mL
4)	4,4'-DDT	8.292	103464800	NoCal	ng/mL
5)	Endrin Aldehyde	8.513	1938869	NoCal	ng/mL
6)	Endrin Ketone	9.017	4763201	NoCal	ng/mL
8)	4,4'-DDE [2C]	8.131	527358	NoCal	ng/mL
9)	Endrin [2C]	8.488	32631123	NoCal	ng/mL
10)	4,4'-DDD [2C]	8.541	4219733	NoCal	ng/mL
11)	Endrin Aldehyde [2C]	8.870	1561457	NoCal	ng/mL
12)	4,4'-DDT [2C]	8.764	53244077	NoCal	ng/mL
13)	Endrin Ketone [2C]	9.450	3407460	NoCal	ng/mL

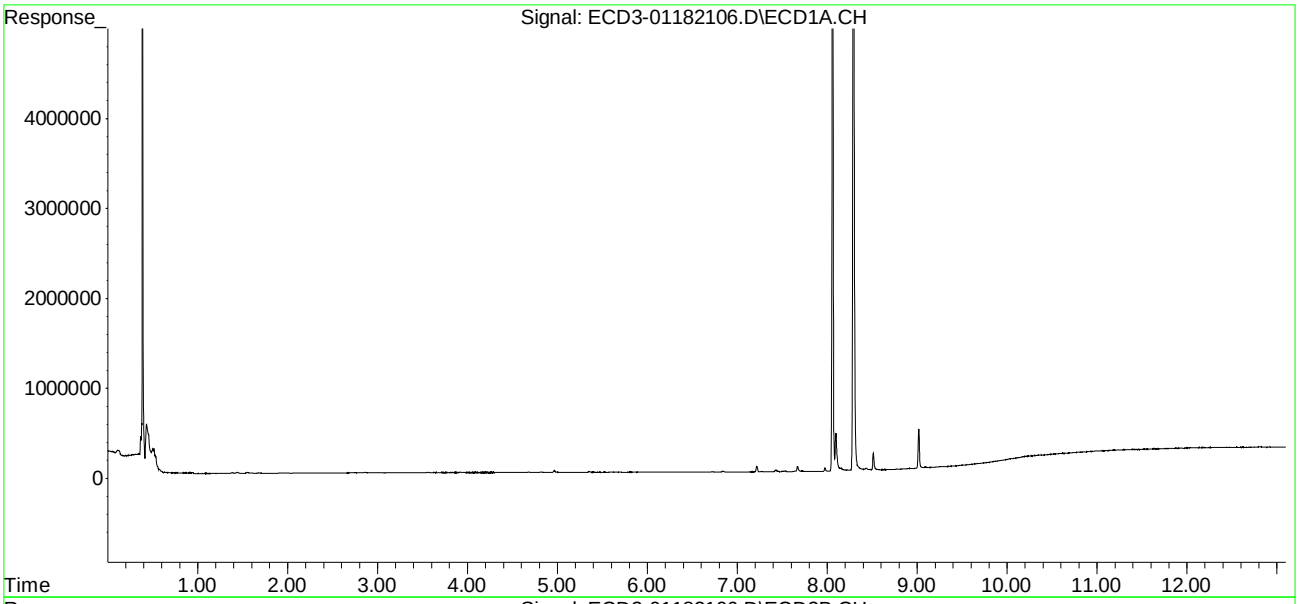
(f)=RT Delta > 1/2 Window (m)=manual int.

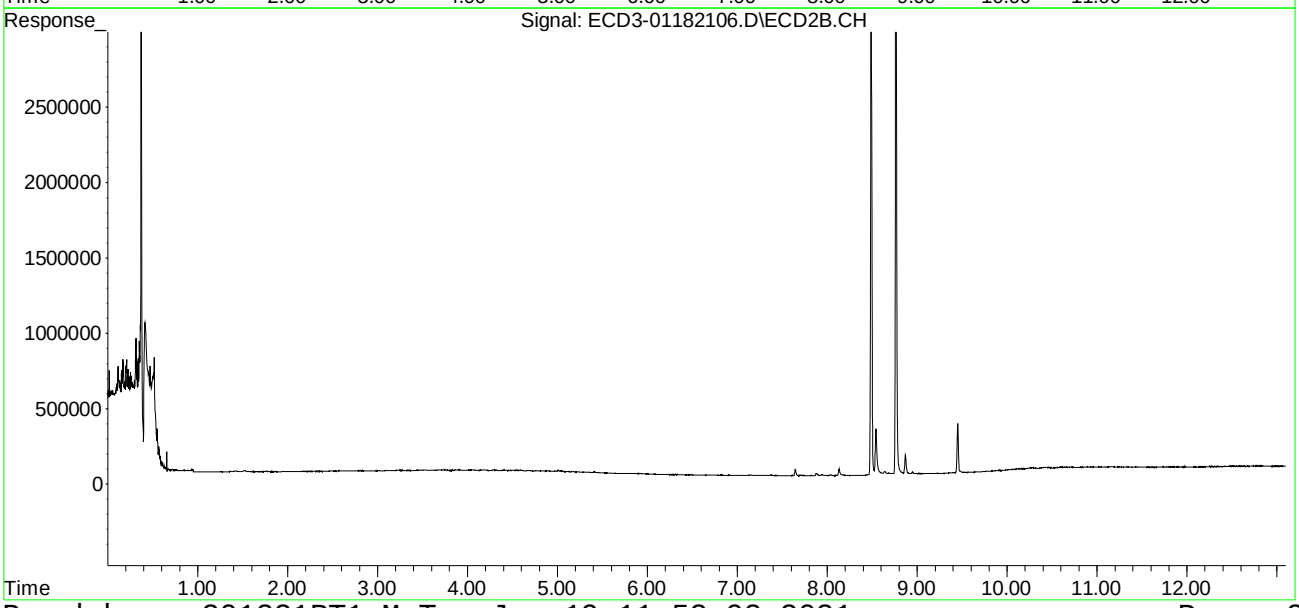
Cut about 5 inches off guard column. CCV failed, maintenance performed.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182106.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 13:16
Operator : MJB
Sample : 1A18049-BKD2
Misc : A20K279
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 18 13:30:10 2021
Quant Method : C:\msdchem\3\METHODS\PestBreakdownCHK_201221RT1.M
Quant Title : Pesticides
QLast Update : Fri Nov 09 13:28:51 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Q-14

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182107.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 13:33
Operator : MJB
Sample : 1A18049-CCV2
Misc : A20L216, AB 50 ppb
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 1/19/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 18 13:52:39 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT1.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	5.485	5.798	6101841	3692423	32.915	34.037
22) S	DCBP (S)	9.685	10.287	3926098	2217590	35.575	36.541
	Target Compounds						
2)	a-BHC	6.033	6.390	8580751	5322257	36.061	35.962
3)	g-BHC	6.319	6.705	7451772	4649874	35.657	35.757
4)	b-BHC	6.397	6.773	2795148	1820030	31.259	32.157
5)	Heptachlor	6.715	7.077	7441159	4351048	38.046	35.762
6)	d-BHC	6.548	7.020	6190213	3958588	31.693	33.523
7)	Aldrin	6.956	7.338	7104387	4450013	35.055	35.610
8)	Heptachlo...	7.424	7.773	6358451	3863195	37.141	35.867
9)	trans-Chl...	7.516	7.913	6271214	3880679	33.601	35.457
10)	cis-Chlor...	7.613	8.020	6172993	3691416	36.183	35.546
11)	Endosulfa...	7.716	8.067	5787484	3506431	35.099	34.467
12)	4,4'-DDE	7.668	8.128	5909752	3690872	32.057	32.765
13)	Dieldrin	7.889	8.266	6497615	3917535	35.315	34.967
14)	Endrin	8.057	8.487	5395929	3028882	39.290	37.191
15)	4,4'-DDD	8.096	8.540	4818379	2875727	33.595	32.737
16)	Endosulfa...	8.217	8.634	4746923	2915404	33.617	33.492
17)	4,4'-DDT	8.290	8.764	4677380	2570952	36.879	35.543
18)	Endrin Al...	8.512	8.869	4146698	2534375	35.273	36.452
19)	Endosulfa...	8.817	9.063	4811838	2852031	36.909	38.444
20)	Methoxychlor	8.622	9.229	2103540	1166164	35.596	33.556
21)	Endrin Ke...	9.015	9.449	5532577	3250422	39.503	39.619
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24)	Hexachlor...	5.870	0.000	11728	0	BelowCal	N.D.
25)	Oxychlordane	7.358	0.000	32323	0	BelowCal	N.D.
26)	2,4'-DDE	7.424	7.913	6358451	3880679	56.774	54.522
27)	trans-Non...	7.613	7.977	6172993	18551	36.867	74602.129 #
28)	2,4'-DDD	0.000	8.266	0	3917535	N.D.	63.779 #
29)	2,4'-DDT	7.972	8.487	21693	3028882	0.042	53.315 #

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182107.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 13:33
Operator : MJB
Sample : 1A18049-CCV2
Misc : A20L216, AB 50 ppb
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 18 13:52:39 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT1.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

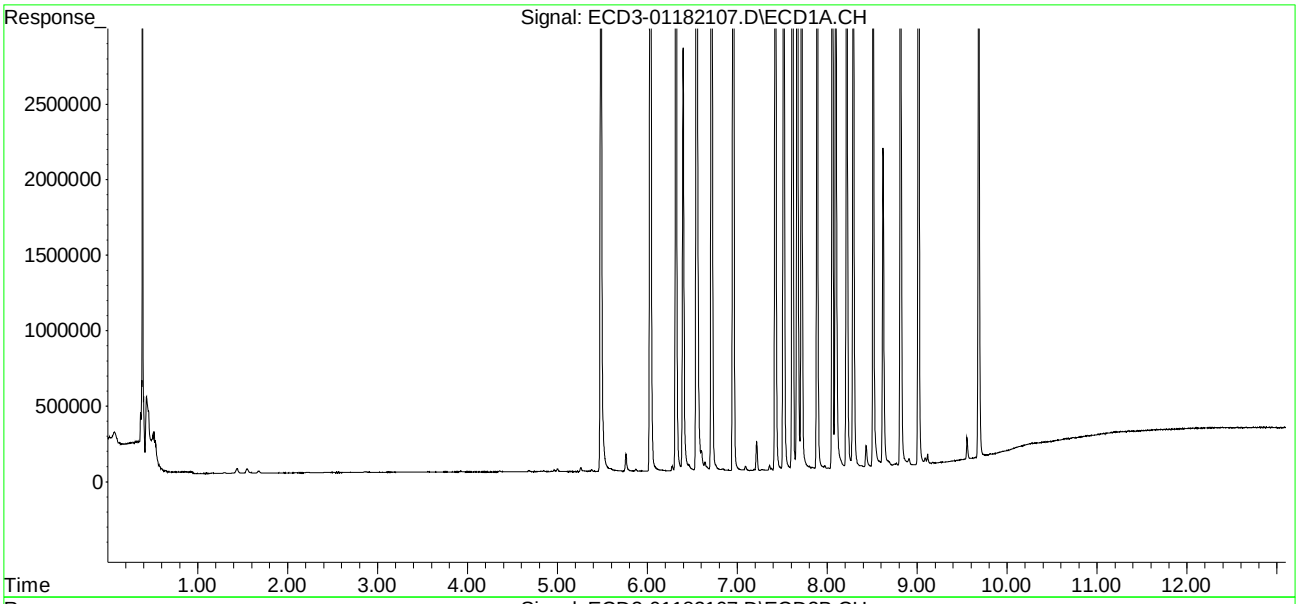
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.096	8.540	4818379	2875727	27.134	26.905	
31)	Mirex	8.745	9.449	11133	3250422	BelowCal	51.929	
32)	Chlordane...	0.000	7.977	0	18551	N.D.	1.387	#
33)	Chlordane...	7.668	8.067	5909752	3506431	304.648	310.851	
34)	Chlordane...	8.217	8.717	4746923	18456	788.705	5.172	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.613f	0.000	6172993	0	7643.122	N.D.	#
37)	Toxaphene...	7.972f	8.634f	21693	2915404	10.204	2076.233	#
38)	Toxaphene...	8.290f	8.717f	4677380	18456	1379.022	9.198	#
39)	Toxaphene...	8.512f	8.764	4146698	2570952	1177.984	772.378	
40)	Toxaphene...	8.745f	8.946	11133	128106	4.106	63.569	#
41)	Toxaphene...	8.817f	9.315	4811838	11756	1525.909	5.789	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

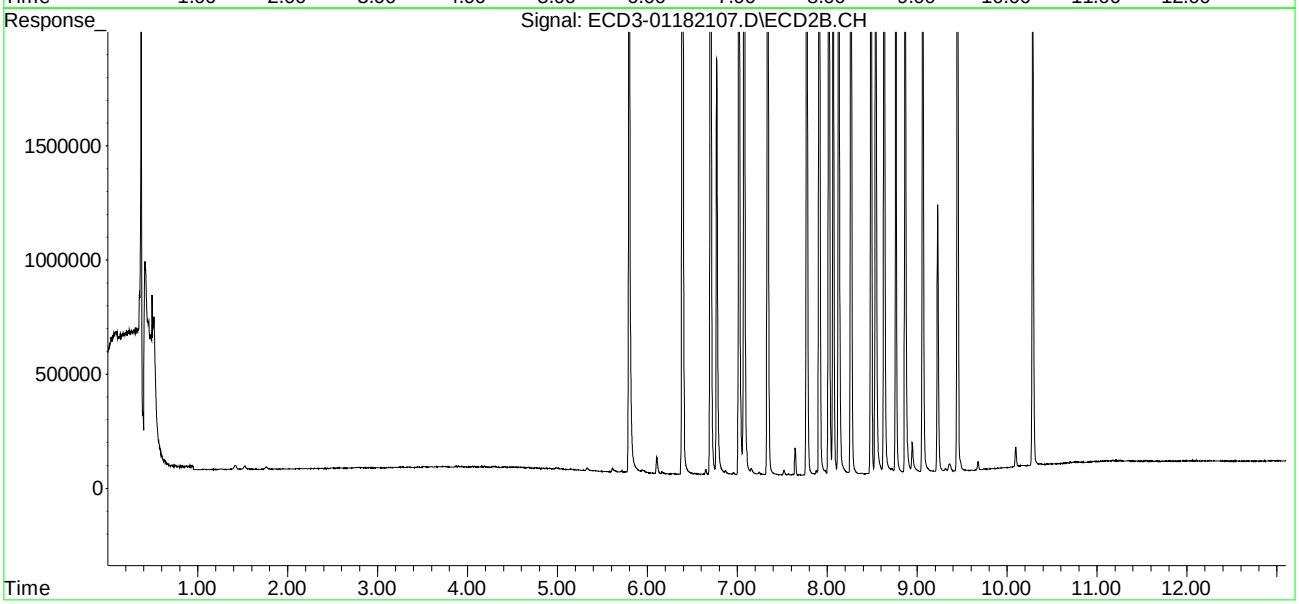
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182107.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 13:33
Operator : MJB
Sample : 1A18049-CCV2
Misc : A20L216, AB 50 ppb
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 18 13:52:39 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT1.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Q-14

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182108.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 13:50
Operator : MJB
Sample : 1A18049-CCV3
Misc : A21A187, 9-42 50 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 1/19/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 11:55:37 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT1.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.456f	5.835f	55666	33845	0.300	0.148	#
22)	S DCBP (S)	9.697	0.000	13953	0	4157.940	N.D.	#
	Target Compounds							
2)	a-BHC	6.031	6.435f	4782	1665	0.020	0.011	#
3)	g-BHC	0.000	0.000	0	0	N.D.	N.D.	
4)	b-BHC	0.000	0.000	0	0	N.D.	N.D.	
5)	Heptachlor	6.715	7.077	17767	11711	0.091	0.096	
6)	d-BHC	0.000	0.000	0	0	N.D.	N.D.	
7)	Aldrin	0.000	7.376f	0	4058	N.D.	0.032	#
8)	Heptachlo...	7.415f	7.811f	3999603	22992	23.299	0.081	#
9)	trans-Chl...	7.513	7.903f	14924	2499586	0.080	22.739	#
10)	cis-Chlor...	7.600f	0.000	6293524	0	36.889	N.D.	#
11)	Endosulfa...	7.694f	0.000	11285	0	0.068	N.D.	#
12)	4,4'-DDE	7.694	0.000	11285	0	0.061	N.D.	#
13)	Dieldrin	7.865f	8.274	38857	2160437	0.211	19.284	#
14)	Endrin	8.075	8.494	6548858	2112616	47.685	25.941	#
15)	4,4'-DDD	8.075f	8.537	6548858	3977650	45.660	45.282	
16)	Endosulfa...	0.000	8.680f	0	4641	N.D.	0.053	#
17)	4,4'-DDT	8.293	0.000	4065	0	0.032	N.D.	#
18)	Endrin Al...	8.511	8.878	10925	4584	BelowCal	BelowCal	
19)	Endosulfa...	8.846	0.000	24488	0	0.188	N.D.	#
20)	Methoxychlor	0.000	0.000	0	0	N.D.	N.D.	
21)	Endrin Ke...	9.016	9.438f	4786	2284146	0.034	27.841	#
23)	Hexachlor...	3.284	3.516	7090060	5471899	41.286	46.196	
24)	Hexachlor...	5.870	6.261	5833901	3920459	34.160	36.875	
25)	Oxychlordane	7.346	7.705	5624712	3394159	38.556	37.367	
26)	2,4'-DDE	7.415	7.903	3999603	2499586	35.501	34.975	
27)	trans-Non...	7.600	7.981	6293524	3710397	37.592	36.634	
28)	2,4'-DDD	7.792	8.274	3628498	2160437	36.197	35.070	
29)	2,4'-DDT	7.972	8.494	3771015	2112616	39.396	37.651	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182108.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 13:50
Operator : MJB
Sample : 1A18049-CCV3
Misc : A21A187, 9-42 50 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 11:55:37 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT1.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

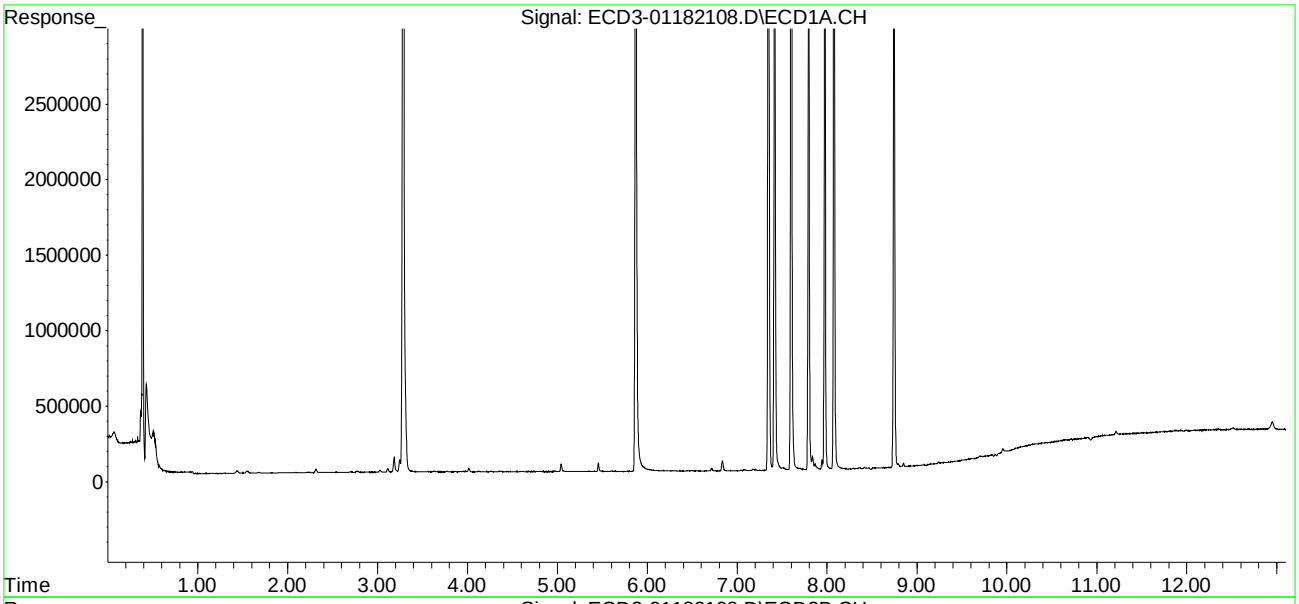
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.075	8.537	6548858	3977650	36.858	37.263	
31)	Mirex	8.742	9.438	3941870	2284146	37.191	36.343	
32)	Chlordane...	0.000	7.981	0	3710397	N.D.	277.452	#
33)	Chlordane...	7.694f	0.000	11285	0	0.582	N.D.	#
34)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.600f	8.274f	6293524	2160437	7792.358	1747.121	#
37)	Toxaphene...	7.943	8.680f	64165	4641	34.933	3.305	#
38)	Toxaphene...	8.293f	8.680	4065	4641	1.198	2.313	#
39)	Toxaphene...	8.511f	0.000	10925	0	3.103	N.D.	#
40)	Toxaphene...	8.742	0.000	3941870	0	1453.736	N.D.	#
41)	Toxaphene...	8.789	9.325	22455	7395	7.121	3.642	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

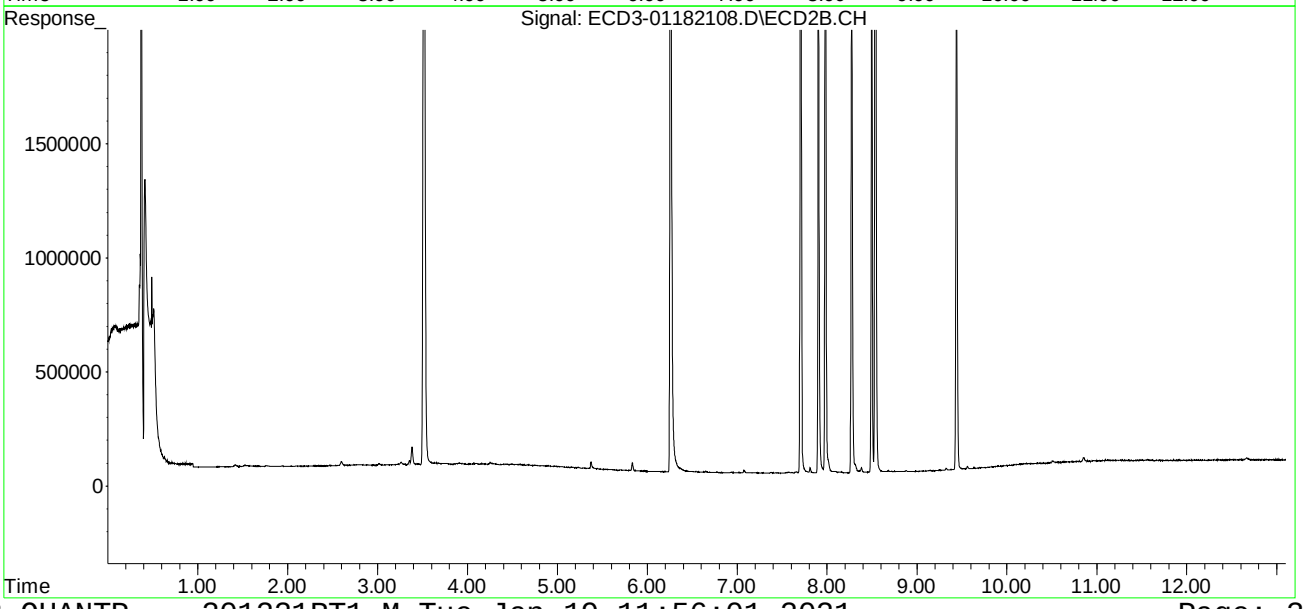
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182108.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 13:50
Operator : MJB
Sample : 1A18049-CCV3
Misc : A21A187, 9-42 50 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 11:55:37 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT1.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Pesticide Breakdown Check (Validated 8/8/2013)

Sequence: 1A18049 BKD3
Data File: ECD3-01182110.D

MJB 1/19/21

First Column Area Counts		Percent Breakdown	
DDE	721139		
DDD	5583525		
DDT	114800852	**5.21**	**PASS**
Endrin	66460193	**10.52**	**PASS**
Endrin Aldehyde	2163814		
Endrin Ketone	5652514		

Second Column Area Counts		Percent Breakdown	
DDE	518494		
DDD	4034921		
DDT	57959667	**7.28**	**PASS**
Endrin	36573418	**12.34**	**PASS**
Endrin Aldehyde	1502863		
Endrin Ketone	3646905		

Breakdown must be less than 20% for Method 608. For method 8081 it must be less than 15% or within 7.5% of the breakdown prior to the most recent calibration.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182110.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 15:07
Operator : MJB
Sample : 1A18049-BKD3 MJB 1/19/21
Misc : A20K279
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
RT update.
Quant Time: Jan 19 11:58:26 2021
Quant Method : C:\msdchem\3\METHODS\PestBreakdownCHK_201221RT2.M
Quant Title : Pesticides
QLast Update : Fri Nov 09 13:28:51 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	4,4'-DDE	7.659	721139	NoCal	ng/mL
2)	Endrin	8.049	66460193	NoCal	ng/mL
3)	4,4'-DDD	8.086	5583525	NoCal	ng/mL
4)	4,4'-DDT	8.281	114800852	NoCal	ng/mL
5)	Endrin Aldehyde	8.504	2163814	NoCal	ng/mL
6)	Endrin Ketone	9.007	5652514	NoCal	ng/mL
8)	4,4'-DDE [2C]	8.119	518494	NoCal	ng/mL
9)	Endrin [2C]	8.478	36573418	NoCal	ng/mL
10)	4,4'-DDD [2C]	8.530	4034921	NoCal	ng/mL
11)	Endrin Aldehyde [2C]	8.860	1502863	NoCal	ng/mL
12)	4,4'-DDT [2C]	8.754	57959667	NoCal	ng/mL
13)	Endrin Ketone [2C]	9.439	3646905	NoCal	ng/mL

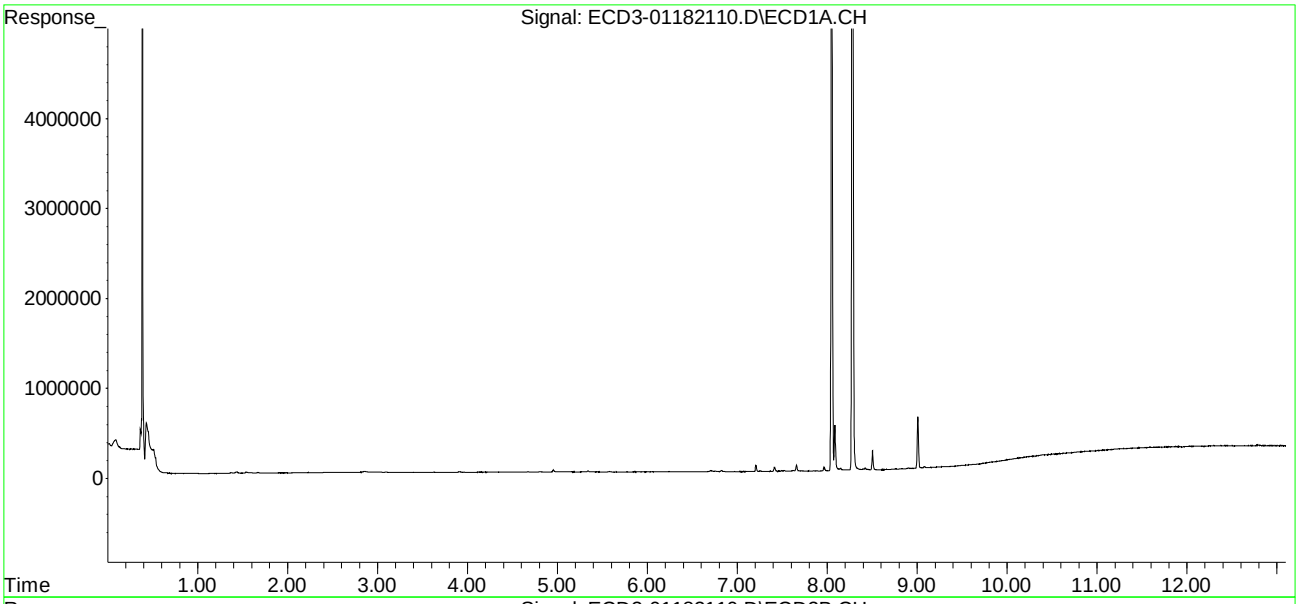
(f)=RT Delta > 1/2 Window (m)=manual int.

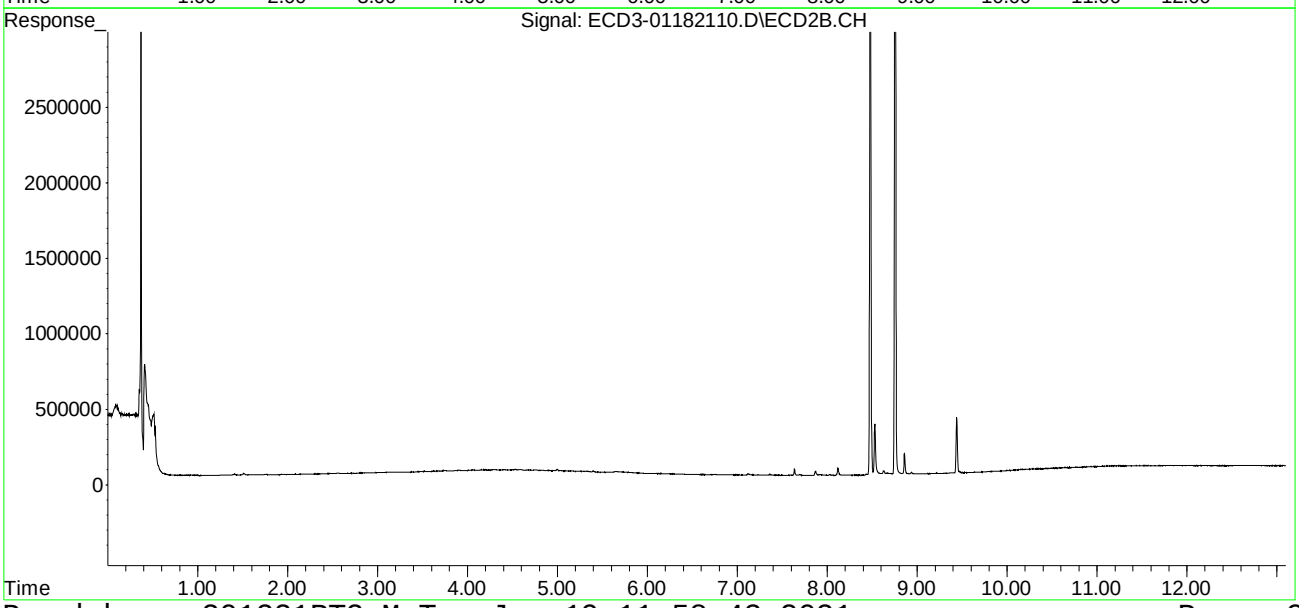
Replaced inlet capillary nut, and cut about 5 inches off the guard column.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182110.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 15:07
Operator : MJB
Sample : 1A18049-BKD3
Misc : A20K279
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 11:58:26 2021
Quant Method : C:\msdchem\3\METHODS\PestBreakdownCHK_201221RT2.M
Quant Title : Pesticides
QLast Update : Fri Nov 09 13:28:51 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182111.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 15:24
Operator : MJB
Sample : 1A18049-CCV4
Misc : A20L216, AB 50 ppb
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 1/19/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 12:05:13 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M

RT UPDATE

Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	5.477	5.791	7912788	4988375	42.683	46.202
22) S	DCBP (S)	9.677	10.278	5497512	3054645	50.063	50.677
	Target Compounds						
2)	a-BHC	6.026	6.383	11543911	6910075	48.513	46.690
3)	g-BHC	6.311	6.697	10028932	5893641	47.989	45.321
4)	b-BHC	6.389	6.765	3928541	2475361	44.070	43.992
5)	Heptachlor	6.708	7.069	9454594	5461790	48.341	44.892
6)	d-BHC	6.540	7.011	8993757	5605023	46.047	47.465
7)	Aldrin	6.949	7.331	9600574	5632487	47.371	45.072
8)	Heptachlo...	7.417	7.765	8628365	4990560	50.469	46.514
9)	trans-Chl...	7.508	7.905	8576220	5089197	45.951	46.627
10)	cis-Chlor...	7.606	8.012	8315406	5001520	48.718	48.362
11)	Endosulfa...	7.709	8.059	7625342	4760679	46.245	46.795
12)	4,4'-DDE	7.659	8.119	8470922	5002052	45.950	44.405
13)	Dieldrin	7.881	8.258	9047213	5272749	49.173	47.063
14)	Endrin	8.050	8.479	7321085	4133082	53.308	50.750
15)	4,4'-DDD	8.087	8.531	7005755	4043266	48.846	46.029
16)	Endosulfa...	8.209	8.626	6893842	4049466	48.821	46.521
17)	4,4'-DDT	8.282	8.755	6355368	3292128	50.110	45.513
18)	Endrin Al...	8.504	8.860	6050808	3534463	51.560	50.928
19)	Endosulfa...	8.809	9.055	6903249	4015010	52.951	54.121
20)	Methoxychlor	8.613	9.220	2914083	1671982	49.176	47.746
21)	Endrin Ke...	9.007	9.440	7944144	4430435	56.722	54.002
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24)	Hexachlor...	5.864	0.000	16267	0	BelowCal	N.D.
25)	Oxychlordane	7.350	7.678f	42521	4772	0.065	24475.464 #
26)	2,4'-DDE	7.417	7.905	8628365	5089197	77.397	71.682
27)	trans-Non...	7.606	7.971	8315406	19751	49.756	74602.117 #
28)	2,4'-DDD	0.000	8.258	0	5272749	N.D.	85.907 #
29)	2,4'-DDT	7.964	8.479	22428	4133082	0.050	71.646 #

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182111.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 15:24
Operator : MJB
Sample : 1A18049-CCV4
Misc : A20L216, AB 50 ppb
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 12:05:13 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

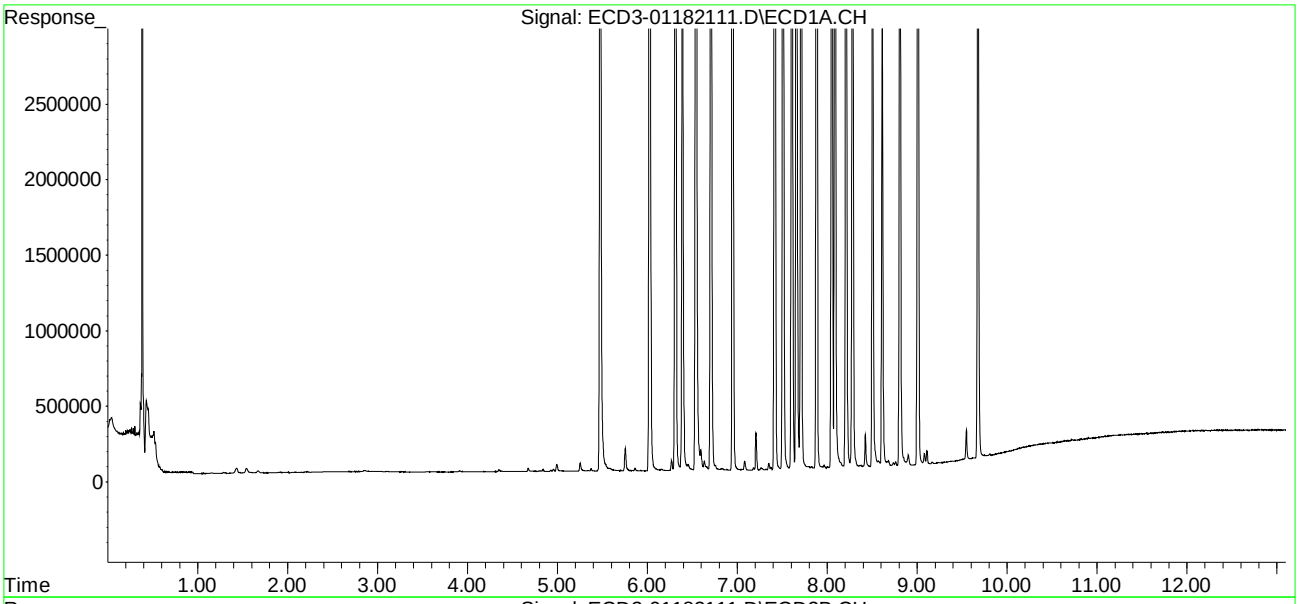
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.087	8.531	7005755	4043266	39.418	37.879	
31)	Mirex	8.735	9.440	19616	4430435	BelowCal	71.009	
32)	Chlordane...	7.508f	7.971	8576220	19751	421.162	1.477	#
33)	Chlordane...	7.659f	8.059	8470922	4760679	436.676	422.042	
34)	Chlordane...	8.209	8.706	6893842	21136	1145.417	5.923	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.606	8.258f	8315406	5272749	10295.762	4264.012	#
37)	Toxaphene...	7.937f	8.626	11997	4049466	4.565	2883.867	#
38)	Toxaphene...	8.209f	8.706f	6893842	21136	2032.496	10.534	#
39)	Toxaphene...	8.504f	8.755	6050808	3292128	1718.899	989.037	#
40)	Toxaphene...	8.683f	8.936f	33757	156406	12.449	78.233	#
41)	Toxaphene...	8.760	9.286	23747	4770	7.531	2.349	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

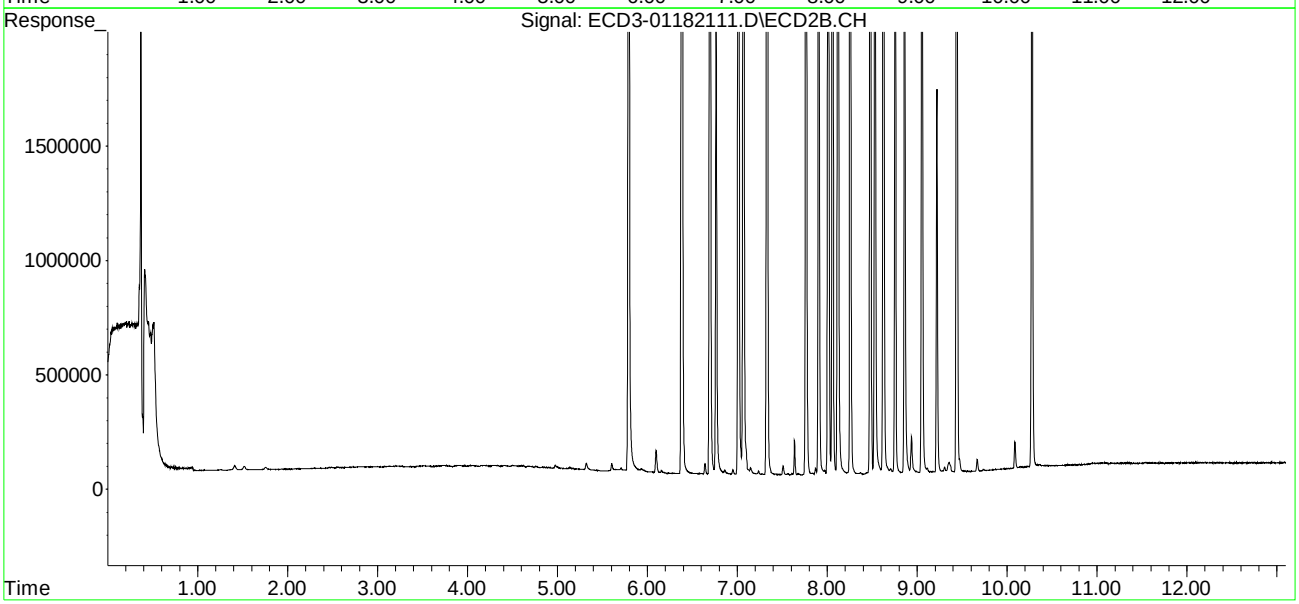
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182111.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 15:24
Operator : MJB
Sample : 1A18049-CCV4
Misc : A20L216, AB 50 ppb
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 12:05:13 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182112.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 15:41
Operator : MJB
Sample : 1A18049-CCV5 MJB 1/19/21
Misc : A21A187, 9-42 50 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e RT UPDATE
Quant Time: Jan 19 12:06:16 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.452f	5.827f	105553	42700	0.569	0.229	#
22) S	DCBP (S)	9.674	10.276	66636	4065	0.419	2751.239	#
	Target Compounds							
2)	a-BHC	0.000	6.359f	0	13676	N.D.	0.092	#
3)	g-BHC	6.300	0.000	5158	0	0.025	N.D.	#
4)	b-BHC	6.387	6.799f	6346	4491	9545.022	2944.394	#
5)	Heptachlor	6.707	7.073	37260	24555	0.191	0.202	
6)	d-BHC	6.562f	7.010	80158	11710	0.410	0.099	#
7)	Aldrin	6.971f	7.362f	34895	13709	0.172	0.110	
8)	Heptachlo...	7.407	7.801f	5602079	27583	32.701	0.123	#
9)	trans-Chl...	7.505	7.894	11627	3632256	0.062	33.166	#
10)	cis-Chlor...	7.592	0.000	8392185	0	49.167	N.D.	#
11)	Endosulfa...	7.703	8.078	19623	9592	0.119	0.094	
12)	4,4'-DDE	7.672	8.120	19781	5121	0.107	0.045	#
13)	Dieldrin	7.873	8.264	22599	3154129	0.123	28.153	#
14)	Endrin	8.068	8.485	9308823	3024216	67.782	37.134	#
15)	4,4'-DDD	8.068	8.529	9308823	5420392	64.903	61.706	
16)	Endosulfa...	8.229	8.663f	10960	9088	0.078	0.104	
17)	4,4'-DDT	8.280	8.747	9177	5904	0.072	0.082	
18)	Endrin Al...	8.499	8.869	18764	6716	BelowCal	BelowCal	
19)	Endosulfa...	8.837f	0.000	27103	0	0.208	N.D.	#
20)	Methoxychlor	8.583f	9.217	3240	4826	BelowCal	BelowCal	
21)	Endrin Ke...	8.992	9.430	9212	3234266	0.066	39.422	#
23)	Hexachlor...	3.277	3.508	8786640	6527581	51.400	55.574	
24)	Hexachlor...	5.863	6.253	7779510	5312123	45.592	50.282	
25)	Oxychlordane	7.339	7.697	7623736	4539511	52.264	50.093	
26)	2,4'-DDE	7.407	7.894	5602079	3632256	49.936	51.001	
27)	trans-Non...	7.592	7.973	8392185	5229283	50.219	51.745	
28)	2,4'-DDD	7.784	8.264	5068857	3154129	50.558	51.309	
29)	2,4'-DDT	7.964	8.485	5503105	3024216	56.844	53.237	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182112.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 15:41
Operator : MJB
Sample : 1A18049-CCV5
Misc : A21A187, 9-42 50 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 12:06:16 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

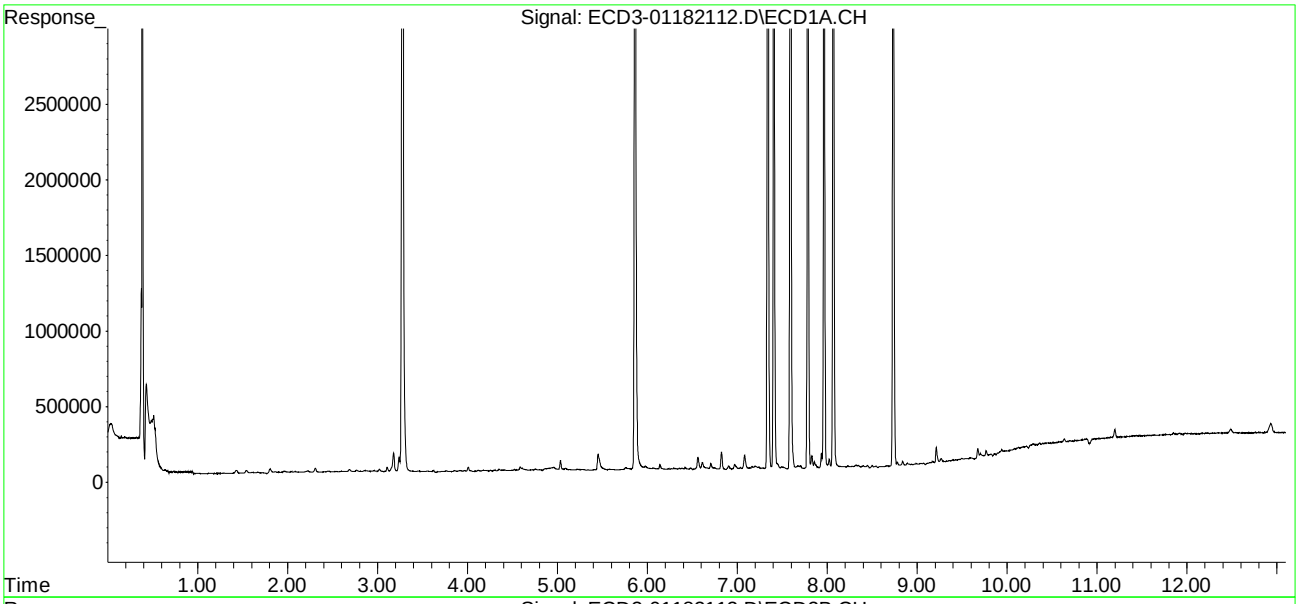
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.068	8.529	9308823	5420392	52.268	50.786	
31)	Mirex	8.734	9.430	5536693	3234266	52.343	51.668	
32)	Chlordane...	7.505f	7.973	11627	5229283	0.571	391.030	#
33)	Chlordane...	7.672f	8.078	19781	9592	1.020	0.850	
34)	Chlordane...	8.229f	8.690f	10960	31113	1.821	8.720	#
35)	Chlordane...	3.763f	0.000	5682	0	NoCal	N.D.	
36)	Toxaphene...	7.592f	8.303	8392185	24463	10390.825	19.783	#
37)	Toxaphene...	7.936	8.663f	93477	9088	52.028	6.472	#
38)	Toxaphene...	8.229	8.663	10960	9088	3.231	4.529	#
39)	Toxaphene...	8.447f	8.747	18841	5904	5.352	1.774	#
40)	Toxaphene...	8.734f	0.000	5536693	0	2041.896	N.D.	#
41)	Toxaphene...	8.782	9.280	22489	4204	7.132	2.070	#
42)	Toxaphene...	3.763f	0.000	5682	0	NoCal	N.D.	

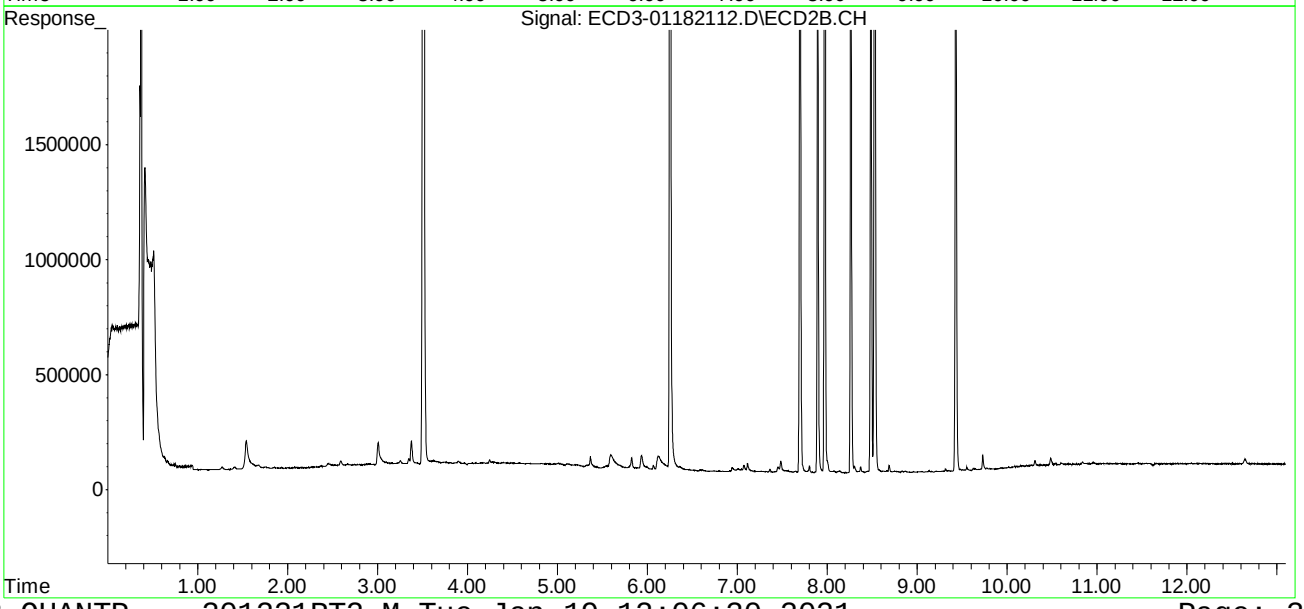
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182112.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 15:41
Operator : MJB
Sample : 1A18049-CCV5
Misc : A21A187, 9-42 50 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 12:06:16 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182113.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 15:58
Operator : MJB
Sample : 1A18049-CCB1
Misc : A20L446
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 1/19/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 12:08:29 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.477	5.791	13704613	8230541	73.926	77.026	
22) S	DCBP (S)	9.677	10.278	9704051	5255947	89.366	88.590	
	Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)	g-BHC	0.000	0.000	0	0	N.D.	N.D.	
4)	b-BHC	0.000	0.000	0	0	N.D.	N.D.	
5)	Heptachlor	0.000	0.000	0	0	N.D.	N.D.	
6)	d-BHC	0.000	0.000	0	0	N.D.	N.D.	
7)	Aldrin	0.000	7.366f	0	19762	N.D.	0.158	#
8)	Heptachlo...	0.000	0.000	0	0	N.D.	N.D.	
9)	trans-Chl...	7.494	0.000	29516	0	0.158	N.D.	#
10)	cis-Chlor...	7.625	0.000	5161	0	BelowCal	N.D.	
11)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
12)	4,4'-DDE	7.625f	0.000	5161	0	0.028	N.D.	#
13)	Dieldrin	0.000	0.000	0	0	N.D.	N.D.	
14)	Endrin	0.000	0.000	0	0	N.D.	N.D.	
15)	4,4'-DDD	0.000	0.000	0	0	N.D.	N.D.	
16)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
17)	4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	
18)	Endrin Al...	0.000	0.000	0	0	N.D.	N.D.	
19)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
20)	Methoxychlor	0.000	0.000	0	0	N.D.	N.D.	
21)	Endrin Ke...	0.000	0.000	0	0	N.D.	N.D.	
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)	Hexachlor...	5.863	0.000	22742	0	BelowCal	N.D.	
25)	Oxychlordane	0.000	0.000	0	0	N.D.	N.D.	
26)	2,4'-DDE	0.000	0.000	0	0	N.D.	N.D.	
27)	trans-Non...	7.625f	0.000	5161	0	34192.585	N.D.	#
28)	2,4'-DDD	0.000	0.000	0	0	N.D.	N.D.	
29)	2,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182113.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 15:58
Operator : MJB
Sample : 1A18049-CCB1
Misc : A20L446
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 12:08:29 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

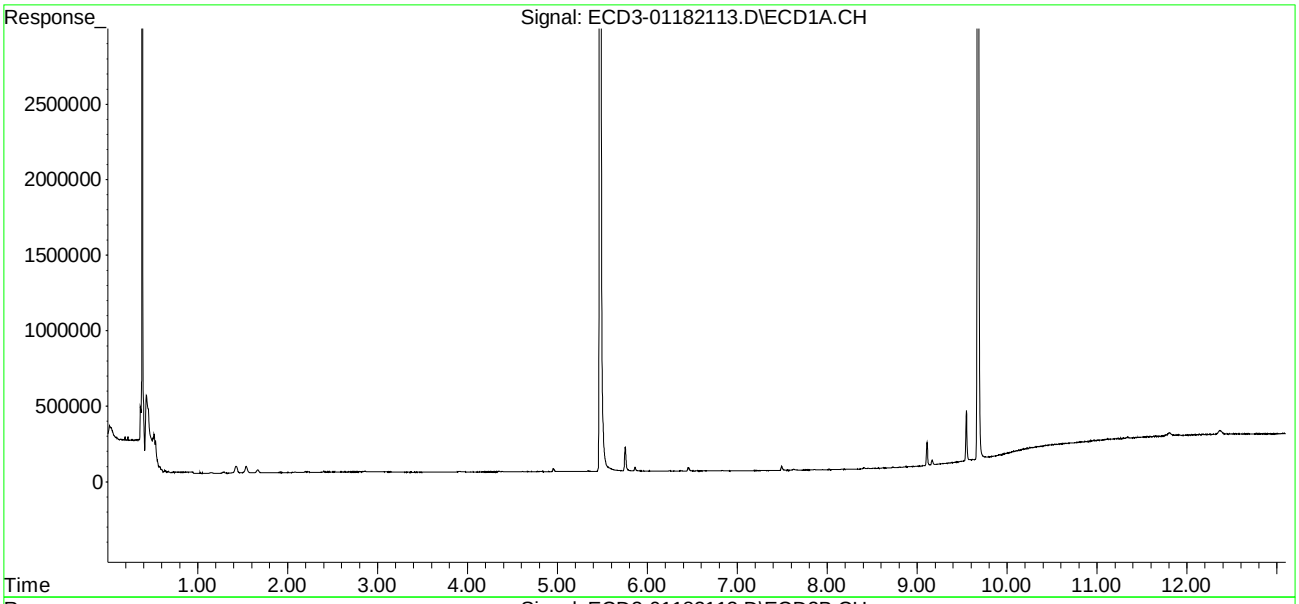
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	0.000	0.000	0	0	N.D.	N.D.	
31)	Mirex	0.000	0.000	0	0	N.D.	N.D.	
32)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
33)	Chlordane...	7.625	0.000	5161	0	0.266	N.D.	#
34)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.625	0.000	5161	0	6.390	N.D.	#
37)	Toxaphene...	0.000	8.670f	0	4362	N.D.	3.106	#
38)	Toxaphene...	0.000	8.670	0	4362	N.D.	2.174	#
39)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
40)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
41)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

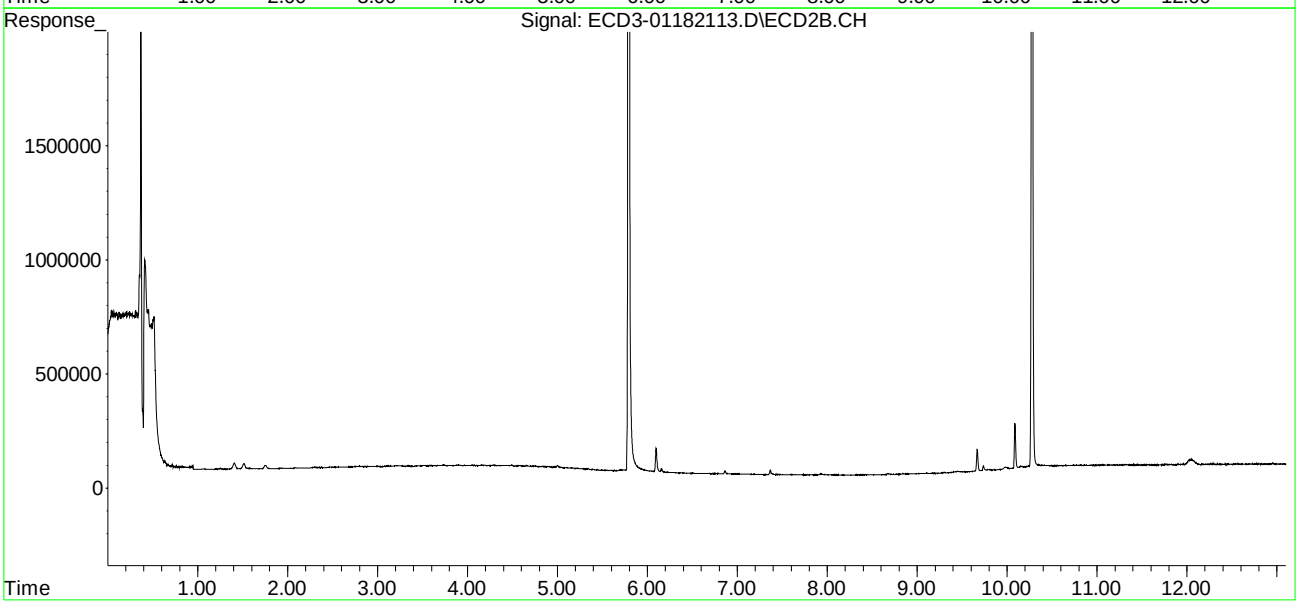
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182113.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 15:58
Operator : MJB
Sample : 1A18049-CCB1
Misc : A20L446
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 12:08:29 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182114.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 16:15
Operator : MJB
Sample : 1012907-BLK1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 12:09:58 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.477	5.791	6033481	3851819	32.546	35.528	
22) S	DCBP (S)	9.676	10.276	5982905	3281596	54.559	54.535	
	Target Compounds							
2)	a-BHC	6.011	0.000	7344	0	0.031	N.D.	#
3)	g-BHC	6.322	6.672f	9931	5757	0.048	0.044	
4)	b-BHC	6.376	0.000	8161	0	9545.001	N.D.	#
5)	Heptachlor	6.696	0.000	20275	0	0.104	N.D.	#
6)	d-BHC	6.540	6.982f	16699	18974	0.085	0.161	#
7)	Aldrin	6.977f	0.000	6360	0	0.031	N.D.	#
8)	Heptachlo...	7.408	0.000	7302	0	44971.026	N.D.	#
9)	trans-Chl...	7.511	7.922	19938	6820	0.107	6778.194	#
10)	cis-Chlor...	7.617	8.041f	8054	23498	BelowCal	0.061	
11)	Endosulfa...	0.000	8.041	0	23498	N.D.	0.231	#
12)	4,4'-DDE	7.645	8.155f	22310	15561	0.121	0.138	
13)	Dieldrin	0.000	0.000	0	0	N.D.	N.D.	
14)	Endrin	0.000	0.000	0	0	N.D.	N.D.	
15)	4,4'-DDD	8.100	0.000	3123	0	0.022	N.D.	#
16)	Endosulfa...	8.215	8.627	10570	5915	0.075	0.068	
17)	4,4'-DDT	8.320f	8.761	34605	4479	0.273	0.062	#
18)	Endrin Al...	8.482f	8.835f	20082	4581	BelowCal	BelowCal	
19)	Endosulfa...	8.808	9.086f	7808	2512	0.060	0.034	#
20)	Methoxychlor	8.611	9.221	14516	9828	0.101	0.131	
21)	Endrin Ke...	9.001	9.457	18765	19667	0.134	0.240	#
23)	Hexachlor...	3.276	3.508	14903	19536	2844.097	1294.002	#
24)	Hexachlor...	5.862	6.255	19255	3891	BelowCal	3052.588	
25)	Oxychlordane	0.000	7.725f	0	4482	N.D.	24475.467	#
26)	2,4'-DDE	7.408	7.889	7302	5274	5794.808	11271.833	#
27)	trans-Non...	7.617f	0.000	8054	0	34192.568	N.D.	#
28)	2,4'-DDD	0.000	0.000	0	0	N.D.	N.D.	
29)	2,4'-DDT	7.973	0.000	5138	0	BelowCal	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182114.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 16:15
Operator : MJB
Sample : 1012907-BLK1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 12:09:58 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

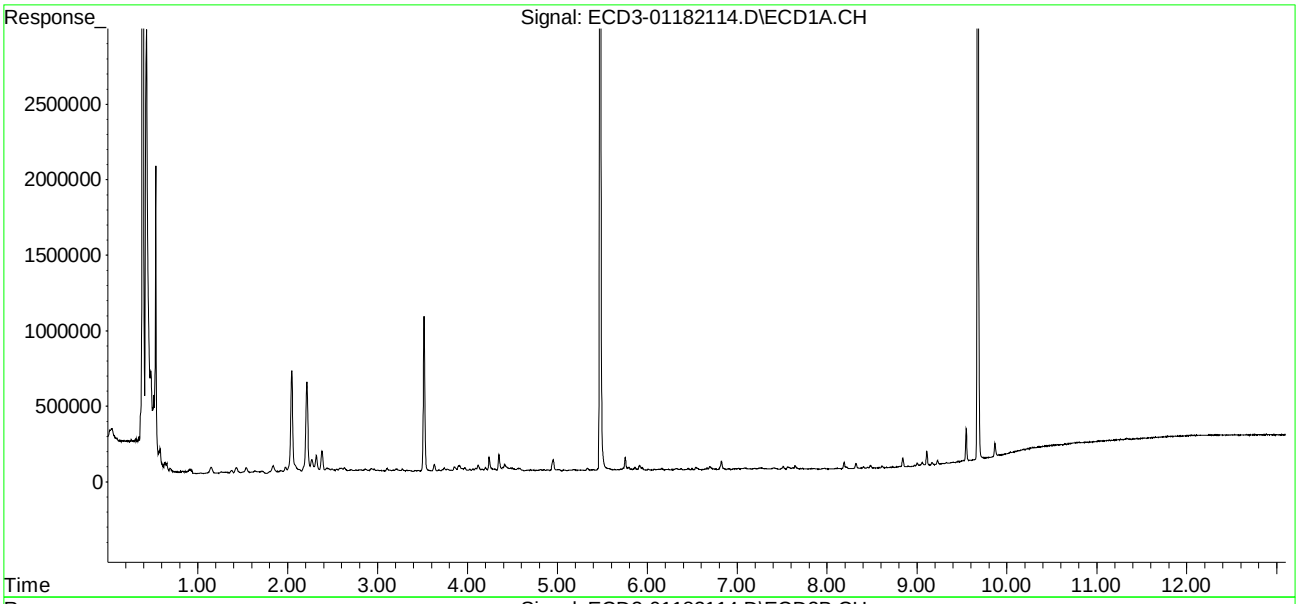
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.100f	0.000	3123	0	BelowCal	N.D.	
31)	Mirex	8.728	9.457f	4777	19667	BelowCal	14371.771	
32)	Chlordane...	7.565f	7.922f	13202	6820	0.648	0.510	
33)	Chlordane...	7.645	8.041f	22310	23498	1.150	2.083	#
34)	Chlordane...	8.189	0.000	42558	0	7.071	N.D.	#
35)	Chlordane...	3.777	3.762	13864	23033	NoCal	NoCal	
36)	Toxaphene...	7.617	0.000	8054	0	9.972	N.D.	#
37)	Toxaphene...	0.000	8.627	0	5915	N.D.	4.212	#
38)	Toxaphene...	8.215	8.666	10570	6831	3.116	3.405	
39)	Toxaphene...	8.482	8.761f	20082	4479	5.705	1.346	#
40)	Toxaphene...	8.728f	0.000	4777	0	1.762	N.D.	#
41)	Toxaphene...	8.770	9.300	4174	2280	1.324	1.123	
42)	Toxaphene...	3.777f	3.762	13864	23033	NoCal	NoCal	

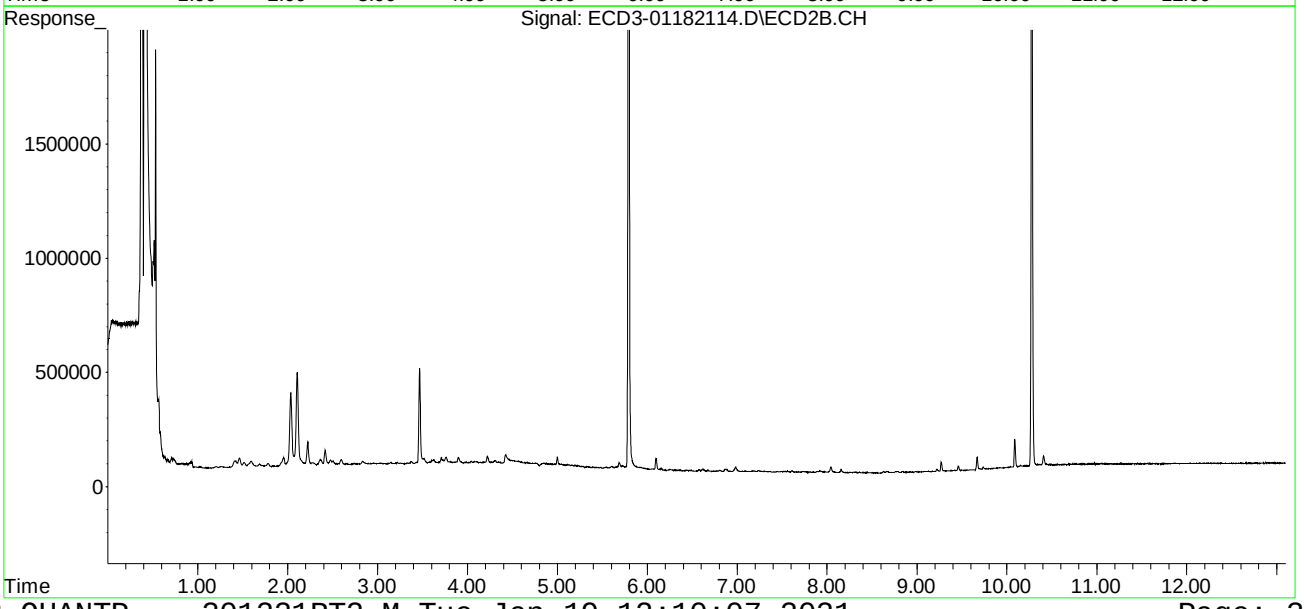
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182114.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 16:15
Operator : MJB
Sample : 1012907-BLK1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 12:09:58 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

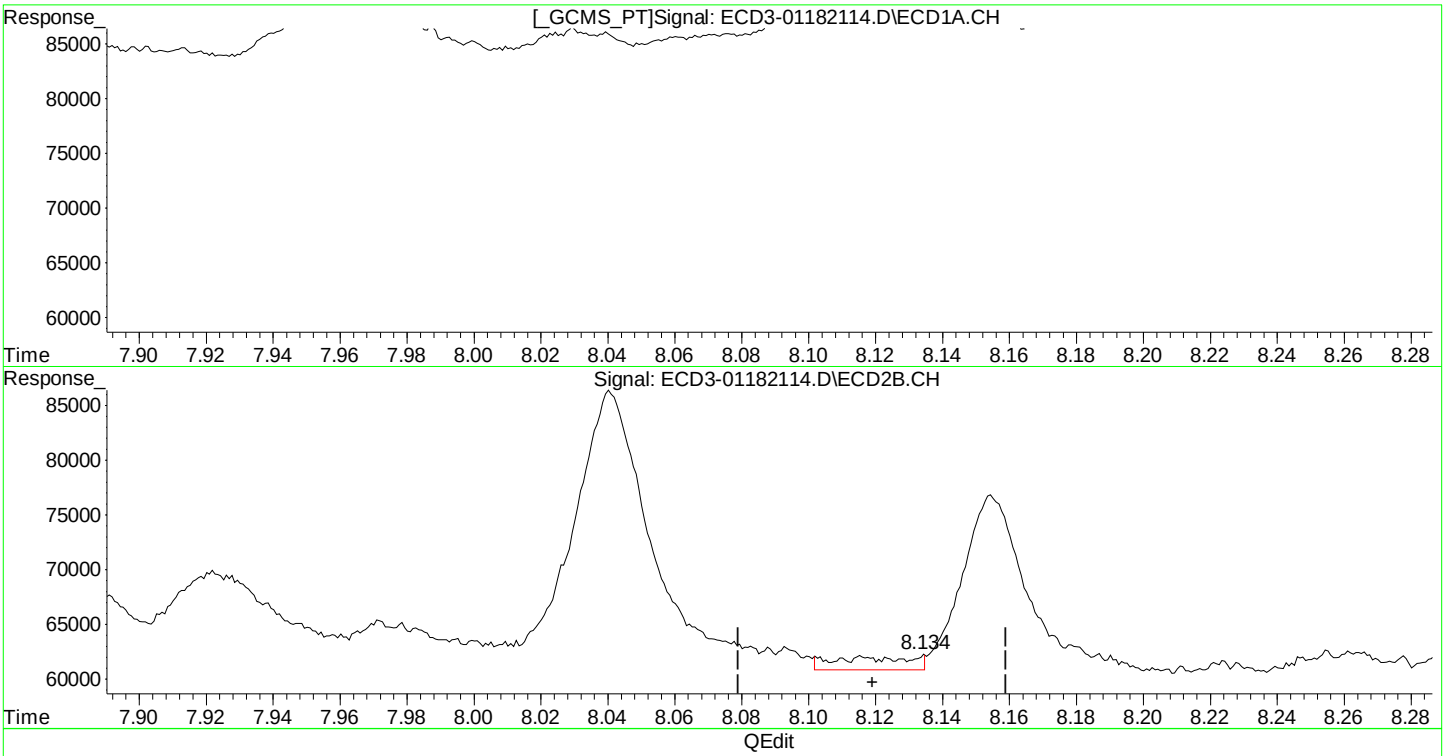




Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182114.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 16:15
Operator : MJB
Sample : 1012907-BLK1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 12:09:58 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(12) 4,4'-DDE
7.645min 0.121 ng/mL
response 22310

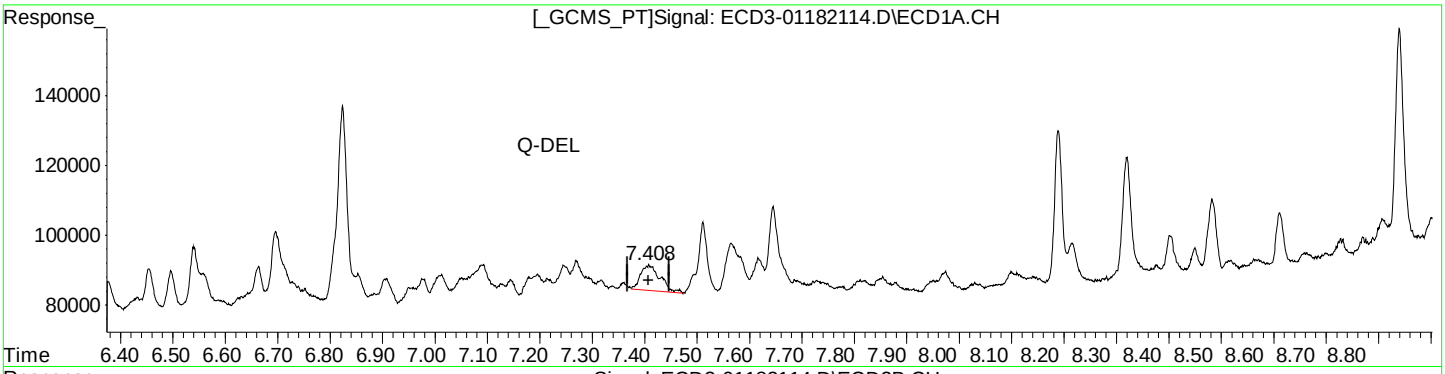
(12) 4,4'-DDE #2
8.134min 0.013 ng/mL m
response 1443

(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182114.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 16:15
Operator : MJB
Sample : 1012907-BLK1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 12:09:58 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(26) 2,4'-DDE
~~7.408min 5794.808 ng/mL~~
response ~~7302~~

(26) 2,4'-DDE #2
~~7.889min 11271.833 ng/mL~~
response ~~5274~~

(+) = Expected Retention Time

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182114.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 16:15
Operator : MJB
Sample : 1012907-BLK1 MJB 1/19/21
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 12:10:50 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.477	5.791	6033481	3851819	32.546	35.528	
22) S	DCBP (S)	9.676	10.276	5982905	3281596	54.559	54.535	
	Target Compounds							
2)	a-BHC	6.011	0.000	7344	0	0.031	N.D.	#
3)	g-BHC	6.322	6.672f	9931	5757	0.048	0.044	
4)	b-BHC	6.376	0.000	8161	0	9545.001	N.D.	#
5)	Heptachlor	6.696	0.000	20275	0	0.104	N.D.	#
6)	d-BHC	6.540	6.982f	16699	18974	0.085	0.161	#
7)	Aldrin	6.977f	0.000	6360	0	0.031	N.D.	#
8)	Heptachlo...	7.408	0.000	7302	0	44971.026	N.D.	#
9)	trans-Chl...	7.511	7.922	19938	6820	0.107	6778.194	#
10)	cis-Chlor...	7.617	8.041f	8054	23498	BelowCal	0.061	
11)	Endosulfa...	0.000	8.041	0	23498	N.D.	0.231	#
12)	4,4'-DDE	7.645	8.134	22310	1443	0.121	0.013m	#
13)	Dieldrin	0.000	0.000	0	0	N.D.	N.D.	
14)	Endrin	0.000	0.000	0	0	N.D.	N.D.	
15)	4,4'-DDD	8.100	0.000	3123	0	0.022	N.D.	#
16)	Endosulfa...	8.215	8.627	10570	5915	0.075	0.068	
17)	4,4'-DDT	8.320f	8.761	34605	4479	0.273	0.062	#
18)	Endrin Al...	8.482f	8.835f	20082	4581	BelowCal	BelowCal	
19)	Endosulfa...	8.808	9.086f	7808	2512	0.060	0.034	#
20)	Methoxychlor	8.611	9.221	14516	9828	0.101	0.131	
21)	Endrin Ke...	9.001	9.457	18765	19667	0.134	0.240	#
23)	Hexachlor...	3.276	3.508	14903	19536	2844.097	1294.002	#
24)	Hexachlor...	5.862	6.255	19255	3891	BelowCal	3052.588	
25)	Oxychlordane	0.000	7.725f	0	4482	N.D.	24475.467	#
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d	
27)	trans-Non...	7.617f	0.000	8054	0	34192.568	N.D.	#
28)	2,4'-DDD	0.000	0.000	0	0	N.D.	N.D.	
29)	2,4'-DDT	7.973	0.000	5138	0	BelowCal	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182114.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 16:15
Operator : MJB
Sample : 1012907-BLK1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 12:10:50 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

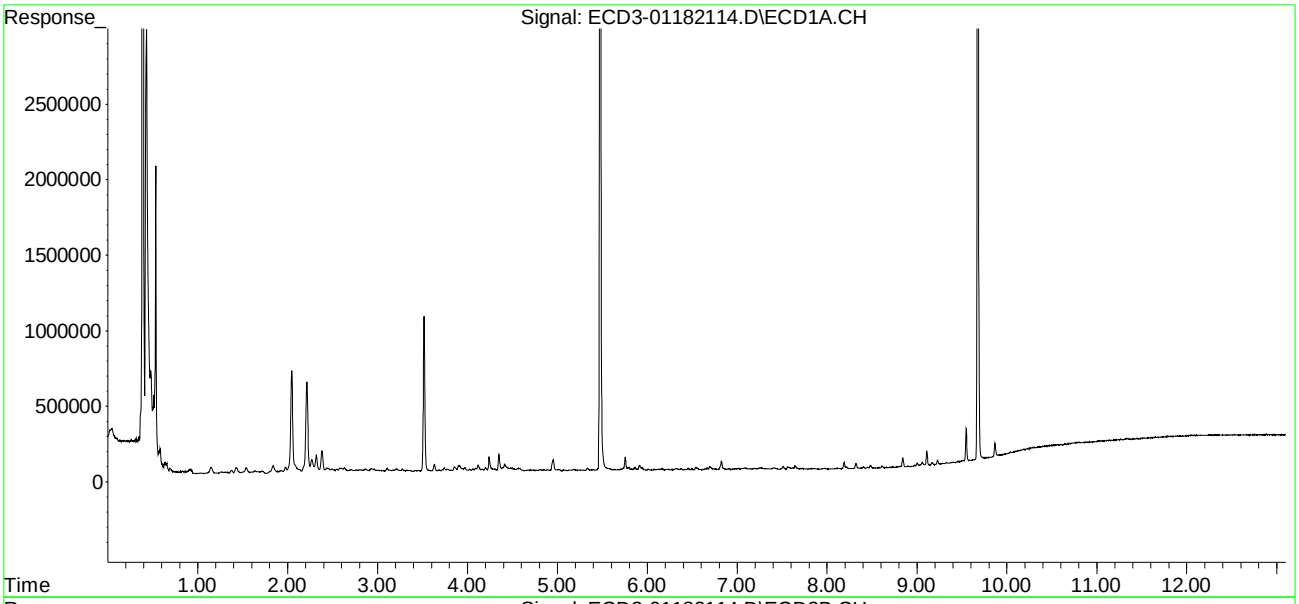
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.100f	0.000	3123	0	BelowCal	N.D.	
31)	Mirex	8.728	9.457f	4777	19667	BelowCal	14371.771	
32)	Chlordane...	7.565f	7.922f	13202	6820	0.648	0.510	
33)	Chlordane...	7.645	8.041f	22310	23498	1.150	2.083	#
34)	Chlordane...	8.189	0.000	42558	0	7.071	N.D.	#
35)	Chlordane...	3.777	3.762	13864	23033	NoCal	NoCal	
36)	Toxaphene...	7.617	0.000	8054	0	9.972	N.D.	#
37)	Toxaphene...	0.000	8.627	0	5915	N.D.	4.212	#
38)	Toxaphene...	8.215	8.666	10570	6831	3.116	3.405	
39)	Toxaphene...	8.482	8.761f	20082	4479	5.705	1.346	#
40)	Toxaphene...	8.728f	0.000	4777	0	1.762	N.D.	#
41)	Toxaphene...	8.770	9.300	4174	2280	1.324	1.123	
42)	Toxaphene...	3.777f	3.762	13864	23033	NoCal	NoCal	

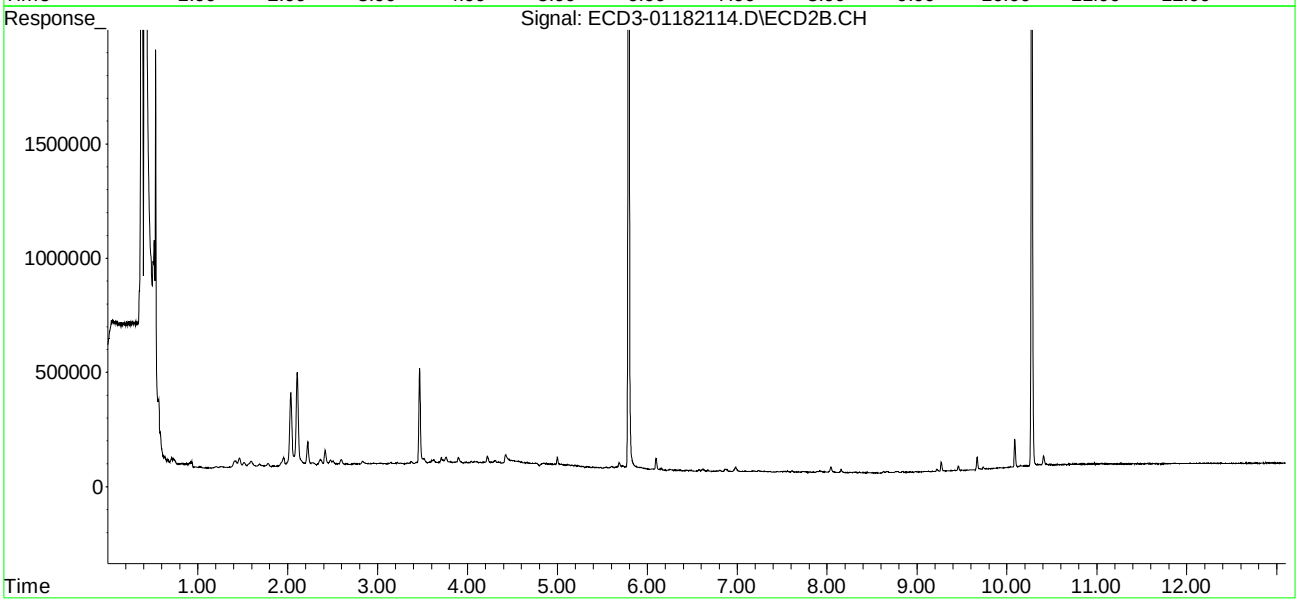
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182114.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 16:15
Operator : MJB
Sample : 1012907-BLK1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 12:10:50 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182115.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 16:32
Operator : MJB
Sample : 1012907-BS1 MJB 1/19/21
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 12:21:21 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.478	5.791	5788633	3678896	31.225	33.910	
22) S	DCBP (S)	9.676	10.277	5748368	3128146	52.385	51.925	
	Target Compounds							
2)	a-BHC	6.011	0.000	5286	0	0.022	N.D.	#
3)	g-BHC	6.317	6.673f	6002	5392	0.029	0.041	#
4)	b-BHC	0.000	0.000	0	0	N.D.	N.D.	
5)	Heptachlor	6.700	0.000	24483	0	0.125	N.D.	#
6)	d-BHC	6.540	6.980f	9839	14657	0.050	0.124	#
7)	Aldrin	0.000	0.000	0	0	N.D.	N.D.	
8)	Heptachlo...	7.406	7.733f	4491552	4810	26.185	3530.572	#
9)	trans-Chl...	7.517	7.894	17143	2879091	0.092	26.229	#
10)	cis-Chlor...	7.618	8.035f	14091	13074	BelowCal	4425.523	
11)	Endosulfa...	7.722	8.040f	22632	13243	0.137	0.130	
12)	4,4'-DDE	7.658	8.119	7115316	4382657	38.596	38.906	
13)	Dieldrin	0.000	8.265	0	2753618	N.D.	24.578	#
14)	Endrin	8.086f	8.485	6167146	2584855	44.906	31.739	
15)	4,4'-DDD	8.086	8.531	6167146	3656570	42.999	41.626	
16)	Endosulfa...	8.209	8.631	11522	9342	0.082	0.107	
17)	4,4'-DDT	8.282	8.754	6050722	3350304	47.708	46.317	
18)	Endrin Al...	8.479f	0.000	12112	0	BelowCal	N.D.	
19)	Endosulfa...	8.840f	0.000	64671	0	0.496	N.D.	#
20)	Methoxychlor	8.611	9.220	11510	7536	0.050	0.064	
21)	Endrin Ke...	9.003	9.459	15513	18086	0.111	0.220	#
23)	Hexachlor...	3.276	3.511	7884	18219	2844.137	1294.012	#
24)	Hexachlor...	5.863	6.254	13408	3820	BelowCal	3052.589	
25)	Oxychlordane	0.000	7.733f	0	4810	N.D.	24475.463	#
26)	2,4'-DDE	7.406	7.894	4491552	2879091	39.925	40.340	
27)	trans-Non...	7.584	0.000	11169	0	34192.549	N.D.	#
28)	2,4'-DDD	7.784	8.265	4619464	2753618	46.083	44.764	
29)	2,4'-DDT	7.964	8.485	4644848	2584855	48.253	45.778	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182115.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 16:32
Operator : MJB
Sample : 1012907-BS1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 12:21:21 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

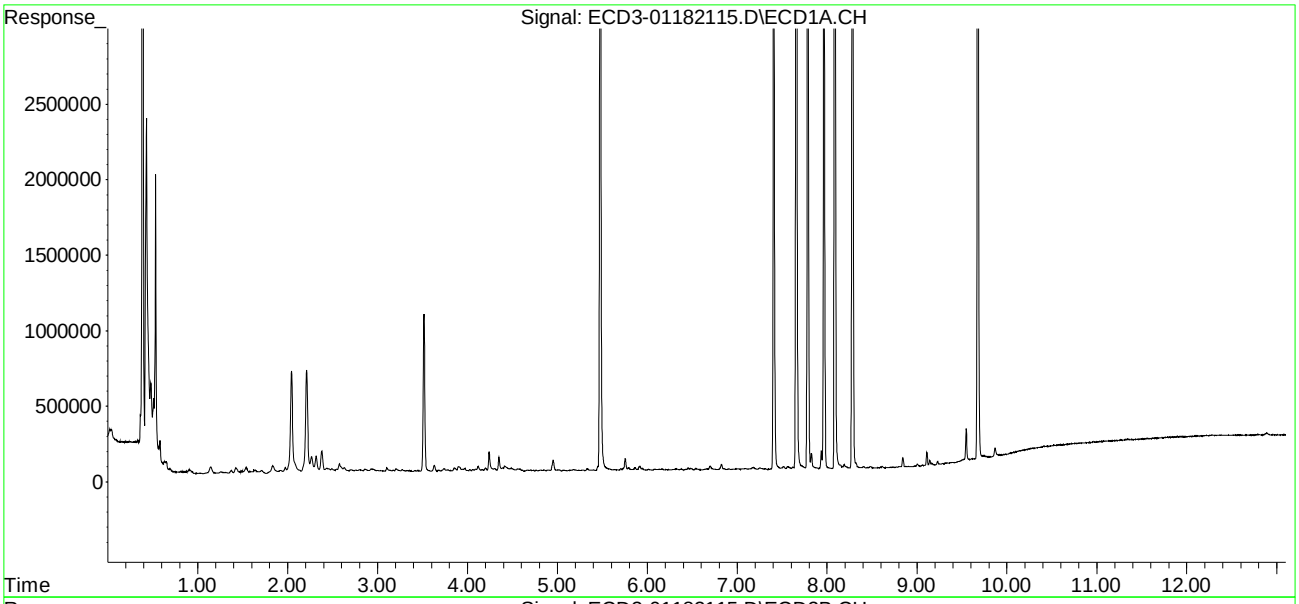
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.086	8.531	6167146	3656570	34.717	34.248	
31)	Mirex	8.730	9.459f	4212	18086	BelowCal	14371.796	
32)	Chlordane...	7.517f	0.000	17143	0	0.842	N.D.	#
33)	Chlordane...	7.618	8.040f	14091	13243	0.726	1.174	#
34)	Chlordane...	8.189	8.754f	26494	3350304	4.402	938.929	#
35)	Chlordane...	3.778	3.762	6194	20455	NoCal	NoCal	
36)	Toxaphene...	7.618	8.265f	14091	2753618	17.446	2226.820	#
37)	Toxaphene...	7.935	8.631	119741	9342	67.366	6.653	#
38)	Toxaphene...	8.209f	8.668	11522	7431	3.397	3.704	
39)	Toxaphene...	8.479	8.754	12112	3350304	3.441	1006.515	#
40)	Toxaphene...	8.730f	0.000	4212	0	1.553	N.D.	#
41)	Toxaphene...	8.771	9.302	3388	2364	1.074	1.164	
42)	Toxaphene...	3.778f	3.762	6194	20455	NoCal	NoCal	

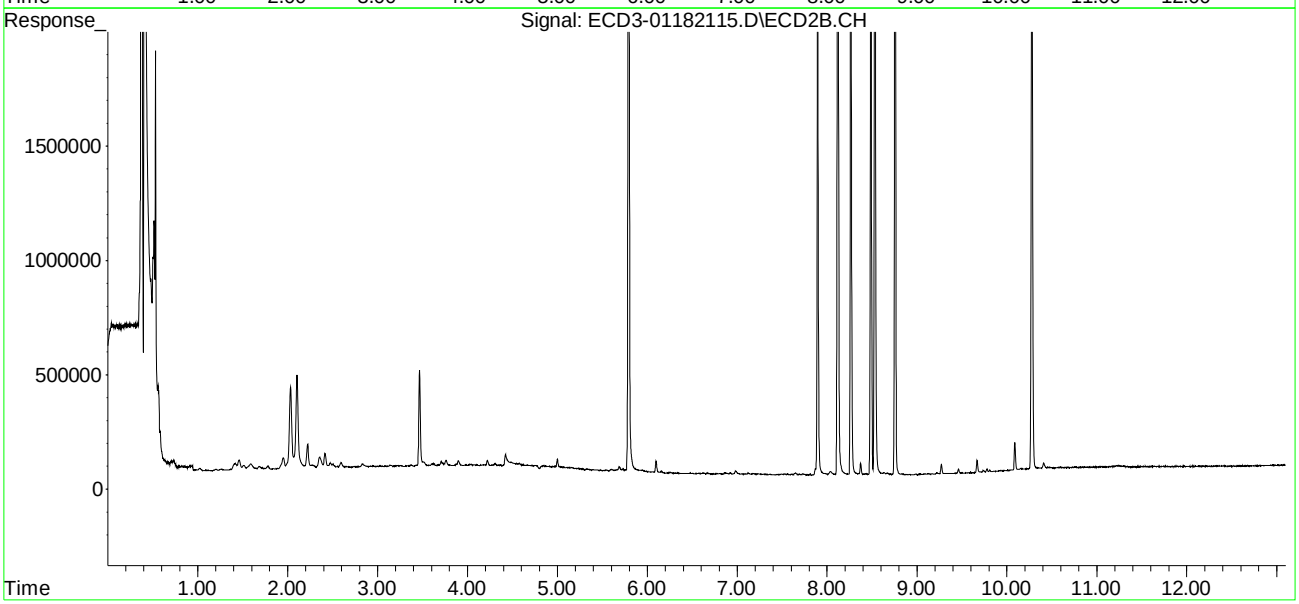
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182115.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 16:32
Operator : MJB
Sample : 1012907-BS1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 12:21:21 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182116.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 16:49
Operator : MJB
Sample : A0K0482-01RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:05:20 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.477	5.790	2593546	1672091	13.990	15.241	
22)	S DCBP (S)	9.676	10.277	4739631	2639644	43.062	43.650	
	Target Compounds							
2)	a-BHC	6.010	0.000	5500	0	0.023	N.D.	#
3)	g-BHC	6.316	6.672f	8883	7160	0.043	0.055	
4)	b-BHC	6.395	0.000	6878	0	9545.016	N.D.	#
5)	Heptachlor	6.693	7.087	18922	4718	0.097	0.039	#
6)	d-BHC	6.538	6.979f	20564	21721	0.105	0.184	#
7)	Aldrin	6.943	7.362f	4021	3034	0.020	0.024	
8)	Heptachlo...	7.410	7.755	7252	7715	44971.027	3530.545	#
9)	trans-Chl...	7.511	7.917	5727	8826	0.031	6778.176	#
10)	cis-Chlor...	7.608	8.038f	14485	27072	BelowCal	0.096	
11)	Endosulfa...	7.724	8.038f	7848	27072	0.048	0.266	#
12)	4,4'-DDE	7.644	8.119	36845	6683	0.200	0.059	#
13)	Dieldrin	0.000	8.261	0	8853	N.D.	0.079	#
14)	Endrin	8.027f	0.000	4754	0	0.035	N.D.	#
15)	4,4'-DDD	8.088	8.530	37785	11777	0.263	0.134	#
16)	Endosulfa...	8.214	8.616	8118	5728	0.057	0.066	
17)	4,4'-DDT	8.319f	8.759	30996	6795	0.244	0.094	#
18)	Endrin Al...	8.510	8.834f	6542	4701	BelowCal	BelowCal	
19)	Endosulfa...	8.807	9.068	8844	2103	0.068	0.028	#
20)	Methoxychlor	8.611	9.220	10927	8337	0.040	0.087	#
21)	Endrin Ke...	9.000	9.456	19123	24949	0.137	0.304	#
23)	Hexachlor...	3.275	3.509	14000	16754	2844.102	1294.024	#
24)	Hexachlor...	5.862	6.259	7844	66250	BelowCal	0.358	
25)	Oxychlordane	0.000	7.676f	0	4555	N.D.	24475.466	#
26)	2,4'-DDE	7.410	7.885	7252	12716	5794.809	11271.729	#
27)	trans-Non...	7.608	7.970	14485	4782	34192.529	74602.265	#
28)	2,4'-DDD	7.782	8.261	8274	8853	BelowCal	BelowCal	
29)	2,4'-DDT	7.970	0.000	7112	0	BelowCal	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182116.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 16:49
Operator : MJB
Sample : A0K0482-01RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:05:20 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

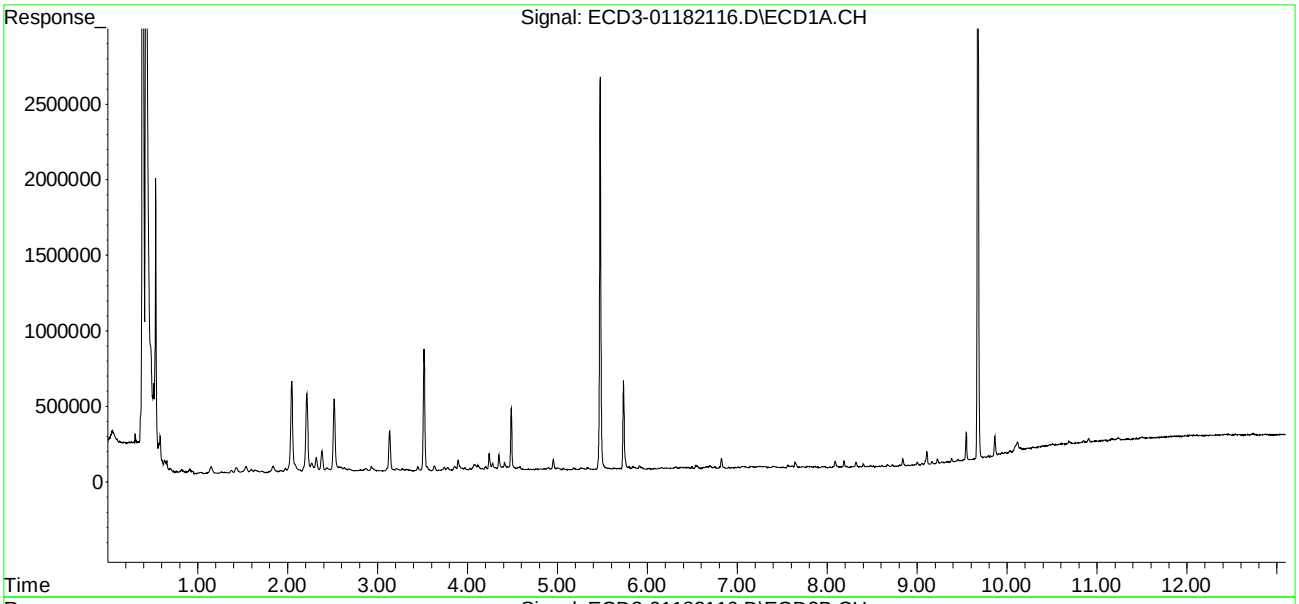
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.088	8.530	37785	11777	0.012	BelowCal	#
31)	Mirex	8.728	9.456f	10065	24949	BelowCal	0.035	
32)	Chlordane...	7.563f	7.970	20565	4782	1.010	0.358	#
33)	Chlordane...	7.644	8.038f	36845	27072	1.899	2.400	
34)	Chlordane...	8.188	0.000	41627	0	6.916	N.D.	#
35)	Chlordane...	3.777	3.762	16071	26744	NoCal	NoCal	
36)	Toxaphene...	7.608	8.261f	14485	8853	17.934	7.160	#
37)	Toxaphene...	7.940f	8.616f	7218	5728	1.787	4.079	#
38)	Toxaphene...	8.214f	8.666	8118	13906	2.393	6.930	#
39)	Toxaphene...	8.480	8.759f	10359	6795	2.943	2.042	
40)	Toxaphene...	8.728f	8.916	10065	3289	3.712	BelowCal	#
41)	Toxaphene...	8.807f	9.269	8844	30846	2.804	15.190	#
42)	Toxaphene...	3.777f	3.762	16071	26744	NoCal	NoCal	

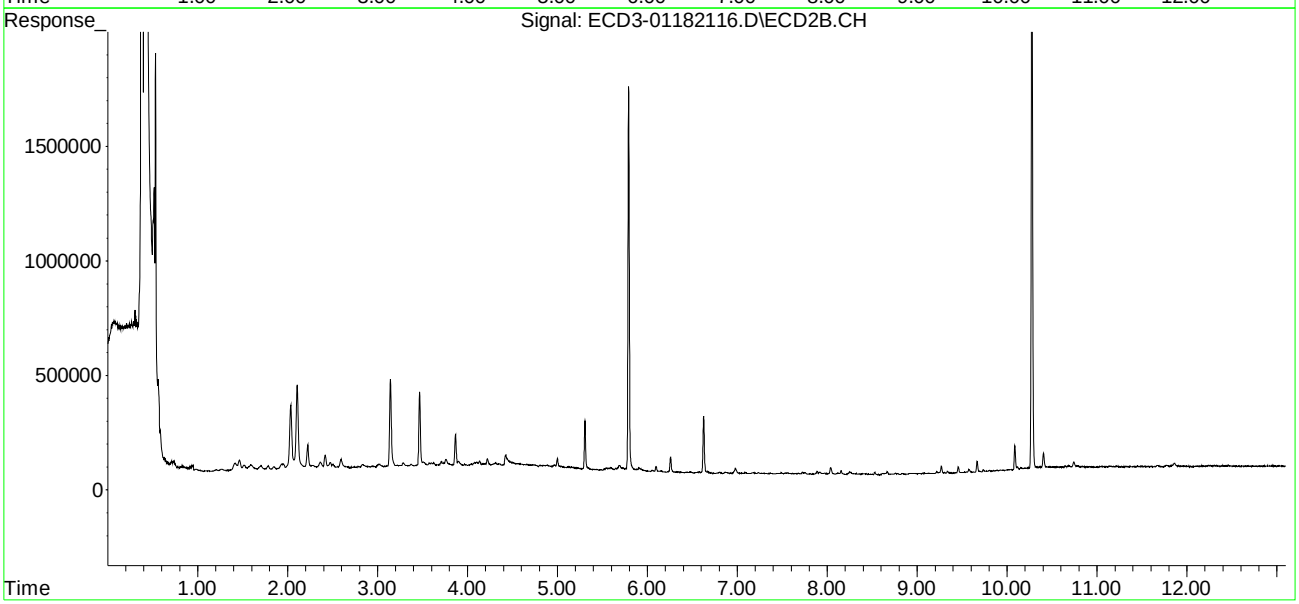
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182116.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 16:49
Operator : MJB
Sample : A0K0482-01RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:05:20 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

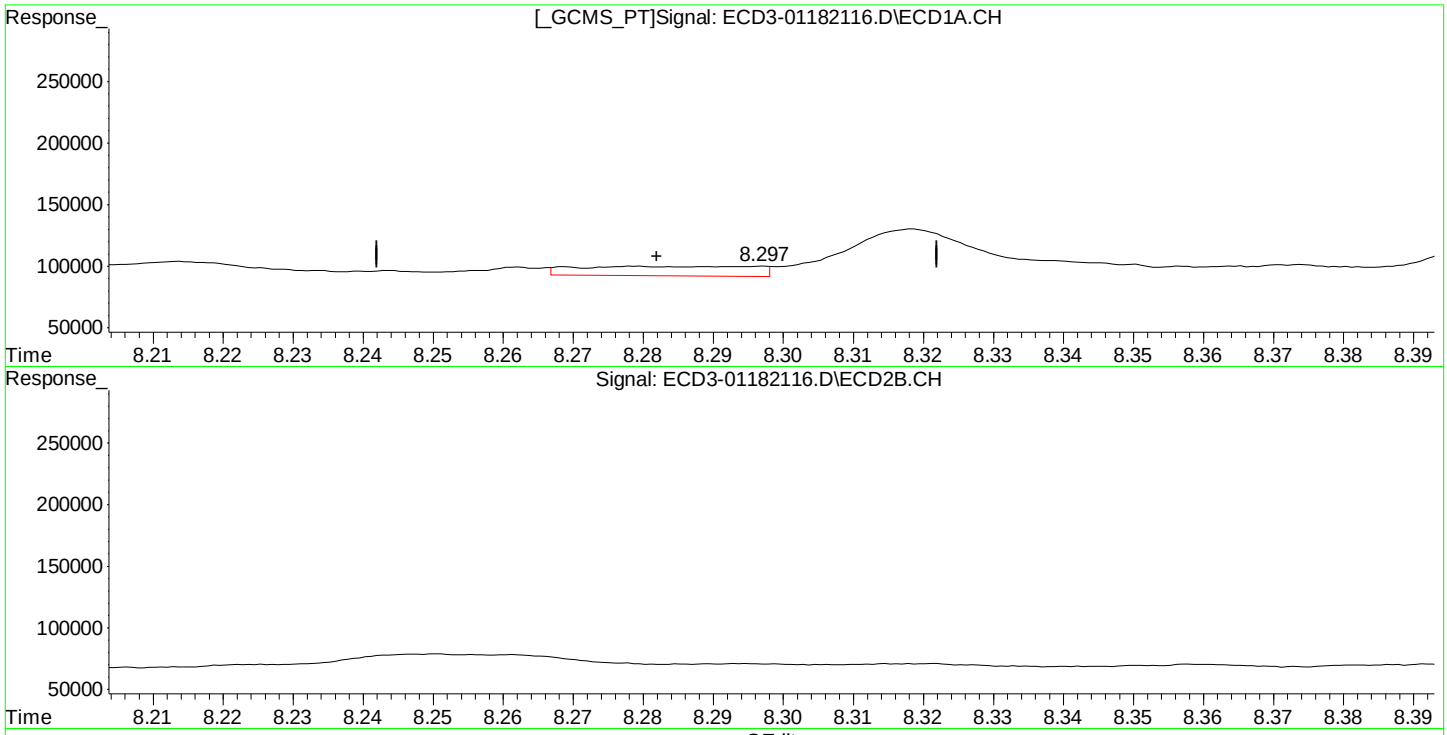




Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182116.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 16:49
Operator : MJB
Sample : A0K0482-01RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:05:20 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



QEdit

(17) 4,4'-DDT
8.297min 0.066 ng/mL m
response 8418

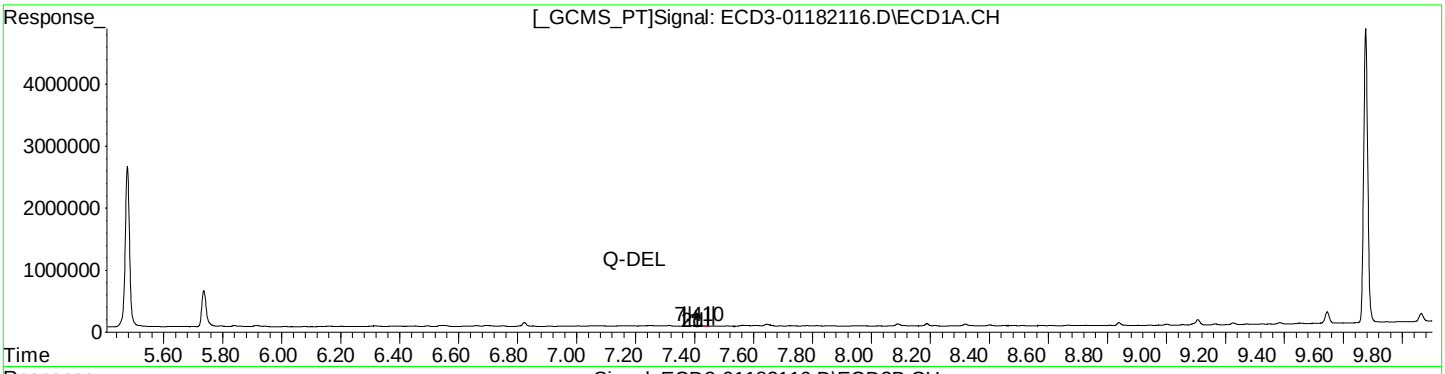
(17) 4,4'-DDT #2
8.759min 0.094 ng/mL
response 6795

(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182116.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 16:49
Operator : MJB
Sample : A0K0482-01RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:05:20 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



QEdit

(26) 2,4'-DDE

~~7.410min 5794.809 ng/mL~~

response ~~7252~~

(26) 2,4'-DDE #2

~~7.885min~~ ~~11271.729 ng/mL~~

response ~~12716~~

(+) = Expected Retention Time

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182116.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 16:49
Operator : MJB
Sample : A0K0482-01RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 1/19/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:06:35 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.477	5.790	2593546	1672091	13.990	15.241	S-06
22) S	DCBP (S)	9.676	10.277	4739631	2639644	43.062	43.650	
	Target Compounds							
2)	a-BHC	6.010	0.000	5500	0	0.023	N.D.	#
3)	g-BHC	6.316	6.672f	8883	7160	0.043	0.055	
4)	b-BHC	6.395	0.000	6878	0	9545.016	N.D.	#
5)	Heptachlor	6.693	7.087	18922	4718	0.097	0.039	#
6)	d-BHC	6.538	6.979f	20564	21721	0.105	0.184	#
7)	Aldrin	6.943	7.362f	4021	3034	0.020	0.024	
8)	Heptachlo...	7.410	7.755	7252	7715	44971.027	3530.545	#
9)	trans-Chl...	7.511	7.917	5727	8826	0.031	6778.176	#
10)	cis-Chlor...	7.608	8.038f	14485	27072	BelowCal	0.096	
11)	Endosulfa...	7.724	8.038f	7848	27072	0.048	0.266	#
12)	4,4'-DDE	7.644	8.119	36845	6683	0.200	0.059	#
13)	Dieldrin	0.000	8.261	0	8853	N.D.	0.079	#
14)	Endrin	8.027f	0.000	4754	0	0.035	N.D.	#
15)	4,4'-DDD	8.088	8.530	37785	11777	0.263	0.134	#
16)	Endosulfa...	8.214	8.616	8118	5728	0.057	0.066	
17)	4,4'-DDT	8.297	8.759	8418	6795	0.066m	0.094	#
18)	Endrin Al...	8.510	8.834f	6542	4701	BelowCal	BelowCal	
19)	Endosulfa...	8.807	9.068	8844	2103	0.068	0.028	#
20)	Methoxychlor	8.611	9.220	10927	8337	0.040	0.087	#
21)	Endrin Ke...	9.000	9.456	19123	24949	0.137	0.304	#
23)	Hexachlor...	3.275	3.509	14000	16754	2844.102	1294.024	#
24)	Hexachlor...	5.862	6.259	7844	66250	BelowCal	0.358	
25)	Oxychlordane	0.000	7.676f	0	4555	N.D.	24475.466	#
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d	
27)	trans-Non...	7.608	7.970	14485	4782	34192.529	74602.265	#
28)	2,4'-DDD	7.782	8.261	8274	8853	BelowCal	BelowCal	
29)	2,4'-DDT	7.970	0.000	7112	0	BelowCal	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182116.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 16:49
Operator : MJB
Sample : A0K0482-01RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:06:35 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

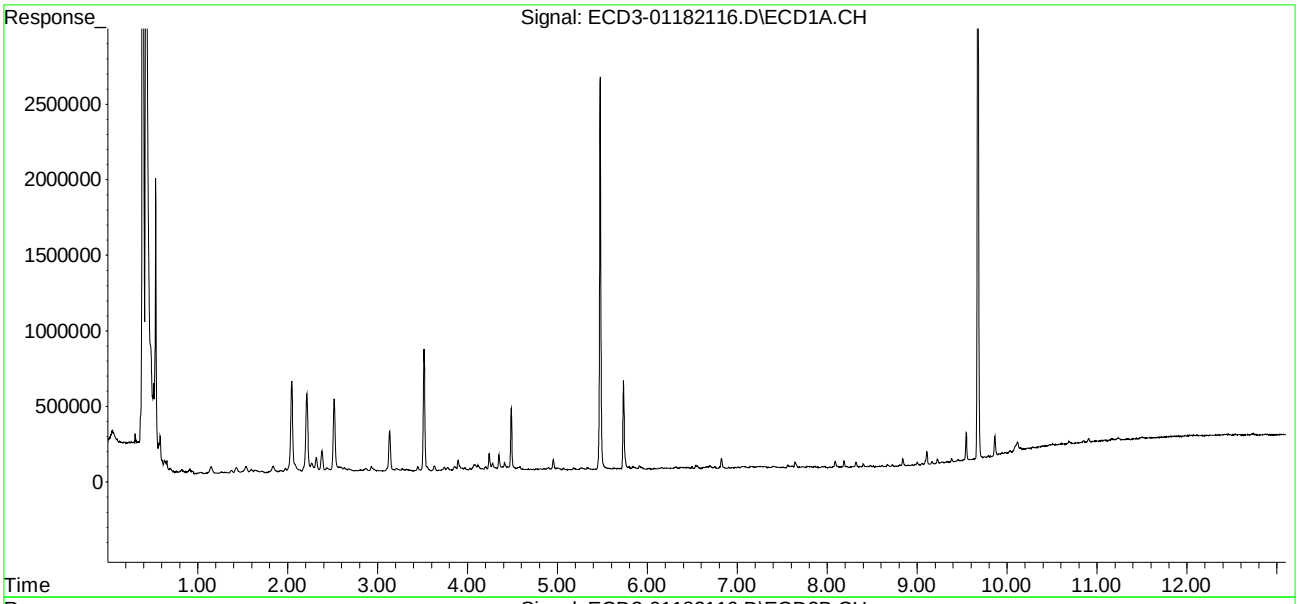
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.088	8.530	37785	11777	0.012	BelowCal	#
31)	Mirex	8.728	9.456f	10065	24949	BelowCal	0.035	
32)	Chlordane...	7.563f	7.970	20565	4782	1.010	0.358	#
33)	Chlordane...	7.644	8.038f	36845	27072	1.899	2.400	
34)	Chlordane...	8.188	0.000	41627	0	6.916	N.D.	#
35)	Chlordane...	3.777	3.762	16071	26744	NoCal	NoCal	
36)	Toxaphene...	7.608	8.261f	14485	8853	17.934	7.160	#
37)	Toxaphene...	7.940f	8.616f	7218	5728	1.787	4.079	#
38)	Toxaphene...	8.214f	8.666	8118	13906	2.393	6.930	#
39)	Toxaphene...	8.480	8.759f	10359	6795	2.943	2.042	
40)	Toxaphene...	8.728f	8.916	10065	3289	3.712	BelowCal	#
41)	Toxaphene...	8.807f	9.269	8844	30846	2.804	15.190	#
42)	Toxaphene...	3.777f	3.762	16071	26744	NoCal	NoCal	

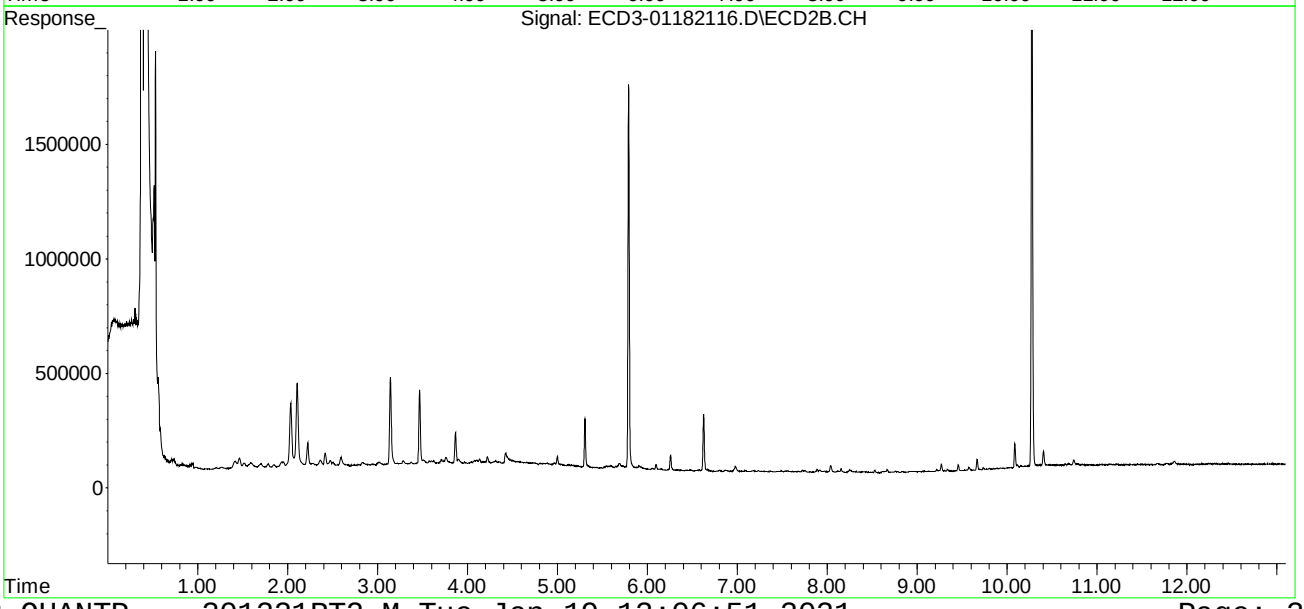
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182116.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 16:49
Operator : MJB
Sample : A0K0482-01RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:06:35 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182117.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 17:07
Operator : MJB
Sample : 1012907-DUP1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:08:19 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.476	5.790	5743403	3780775	30.981	34.863	
22)	S DCBP (S)	9.675	10.277	5662052	3146995	51.586	52.245	
	Target Compounds							
2)	a-BHC	6.009	6.357f	8199	7173	0.034	0.048	#
3)	g-BHC	6.311	6.669f	11314	6356	0.054	0.049	
4)	b-BHC	6.389	6.805f	15014	6015	9544.924	2944.367	#
5)	Heptachlor	6.692	7.086	21839	4176	0.112	0.034	#
6)	d-BHC	6.539	6.977f	12406	15336	0.064	0.130	#
7)	Aldrin	6.968	7.363f	8262	3389	0.041	0.027	
8)	Heptachlo...	7.401	7.805f	18364	4312	44970.962	3530.576	#
9)	trans-Chl...	0.000	7.915	0	10950	N.D.	6778.156	#
10)	cis-Chlor...	7.611	8.039f	13482	33460	BelowCal	0.157	
11)	Endosulfa...	7.723	8.039f	12396	33460	0.075	0.329	#
12)	4,4'-DDE	7.655	8.118	26159	11638	0.142	0.103	
13)	Dieldrin	7.850f	8.245	8493	16734	0.046	0.149	#
14)	Endrin	8.066	0.000	3570	0	0.026	N.D.	#
15)	4,4'-DDD	8.088	8.529	47600	12810	0.332	0.146	#
16)	Endosulfa...	8.214	8.626	13054	4857	0.092	0.056	
17)	4,4'-DDT	8.318f	8.757	42265	5821	0.333	0.080	#
18)	Endrin Al...	8.511	8.835f	5703	6507	BelowCal	BelowCal	
19)	Endosulfa...	8.804	9.080f	5978	4718	0.046	0.064	
20)	Methoxychlor	8.610	9.219	33885	21025	0.434	0.462	
21)	Endrin Ke...	8.999	9.455	22967	27831	0.164	0.339	#
23)	Hexachlor...	3.274	3.537f	16658	15258	2844.087	1294.037	#
24)	Hexachlor...	5.861	6.259	21206	210987	BelowCal	1.714	
25)	Oxychlordane	7.306f	7.683	13047	4510	BelowCal	24475.466	
26)	2,4'-DDE	7.401	7.887	18364	9185	5794.710	11271.778	#
27)	trans-Non...	7.611	7.969	13482	6660	34192.535	74602.247	#
28)	2,4'-DDD	7.781	8.245	9447	16734	BelowCal	0.012	
29)	2,4'-DDT	7.965	0.000	8524	0	BelowCal	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182117.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 17:07
Operator : MJB
Sample : 1012907-DUP1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:08:19 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

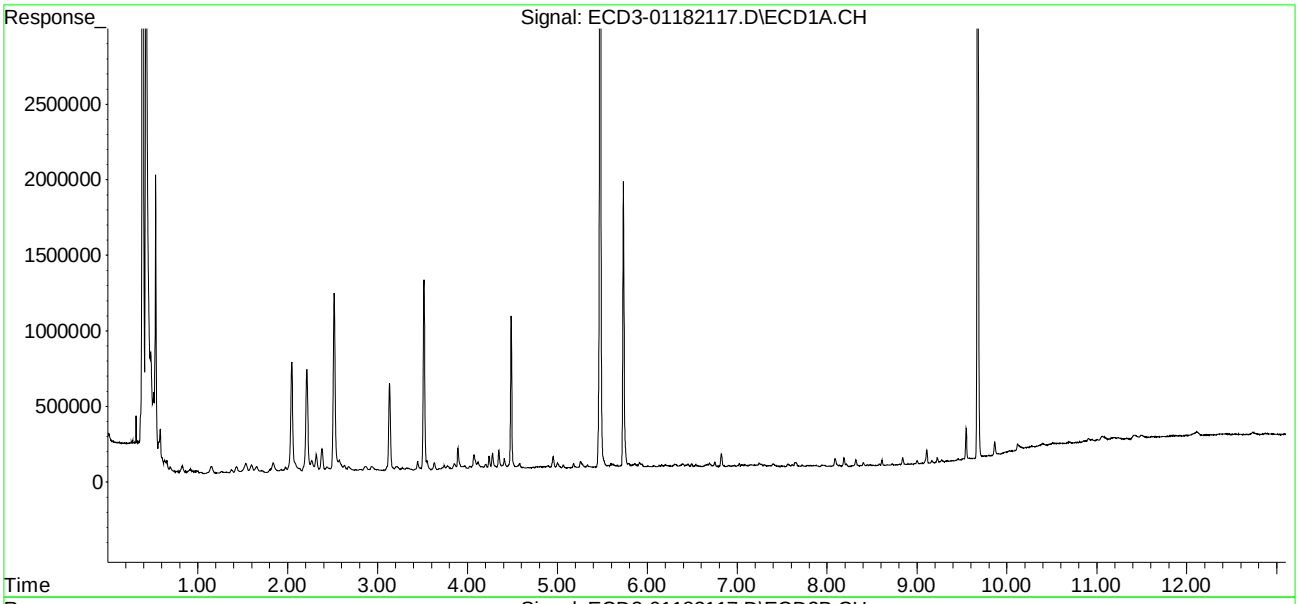
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.066	8.529	3570	12810	BelowCal	BelowCal	
31)	Mirex	8.725	9.455f	8283	27831	BelowCal	0.081	
32)	Chlordane...	7.565f	7.969	16750	6660	0.823	0.498	
33)	Chlordane...	7.644	8.039f	27885	33460	1.437	2.966	#
34)	Chlordane...	8.187	8.757f	54961	5821	9.132	1.631	#
35)	Chlordane...	3.777	3.760	26079	33966	NoCal	NoCal	
36)	Toxaphene...	7.611	0.000	13482	0	16.693	N.D.	#
37)	Toxaphene...	7.942f	8.626	10122	4857	3.475	3.459	
38)	Toxaphene...	8.214f	8.665	13054	11848	3.849	5.905	#
39)	Toxaphene...	8.476	8.757f	9203	5821	2.614	1.749	
40)	Toxaphene...	8.725	0.000	8283	0	3.055	N.D.	#
41)	Toxaphene...	8.804f	9.304	5978	4510	1.896	2.221	
42)	Toxaphene...	3.777f	3.760	26079	33966	NoCal	NoCal	

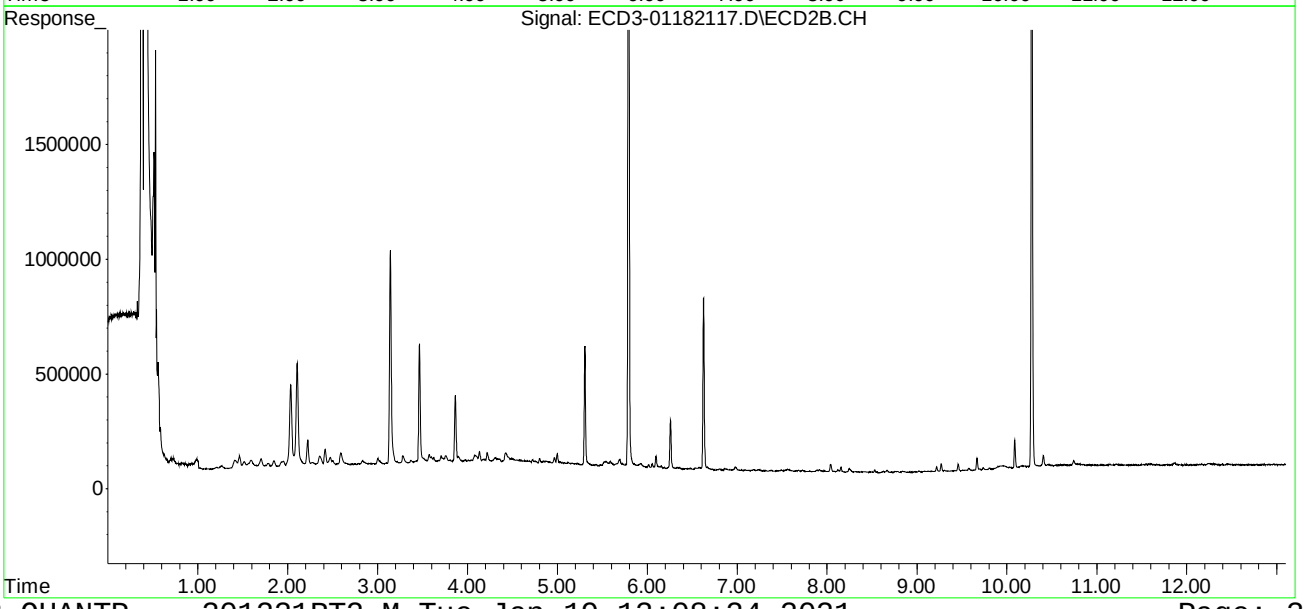
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182117.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 17:07
Operator : MJB
Sample : 1012907-DUP1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:08:19 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

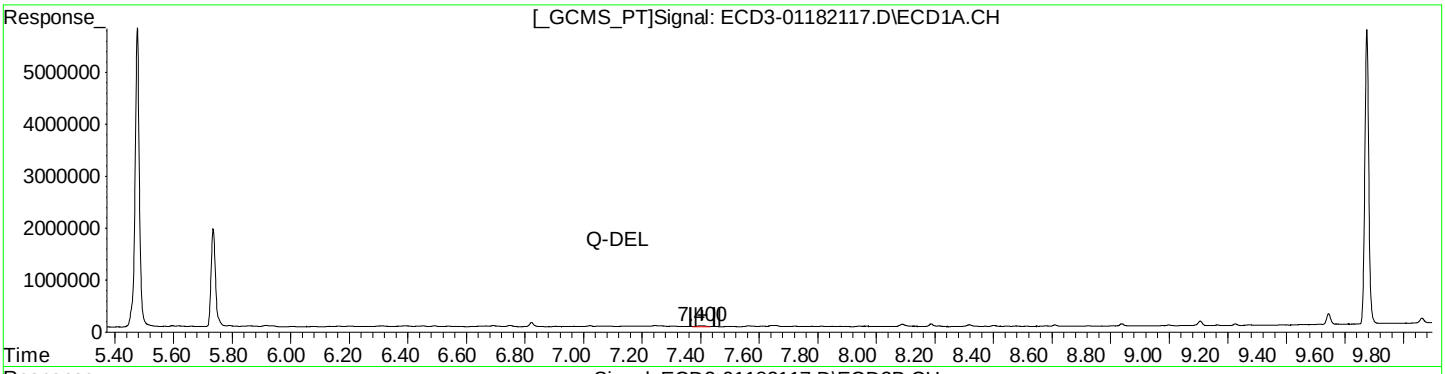


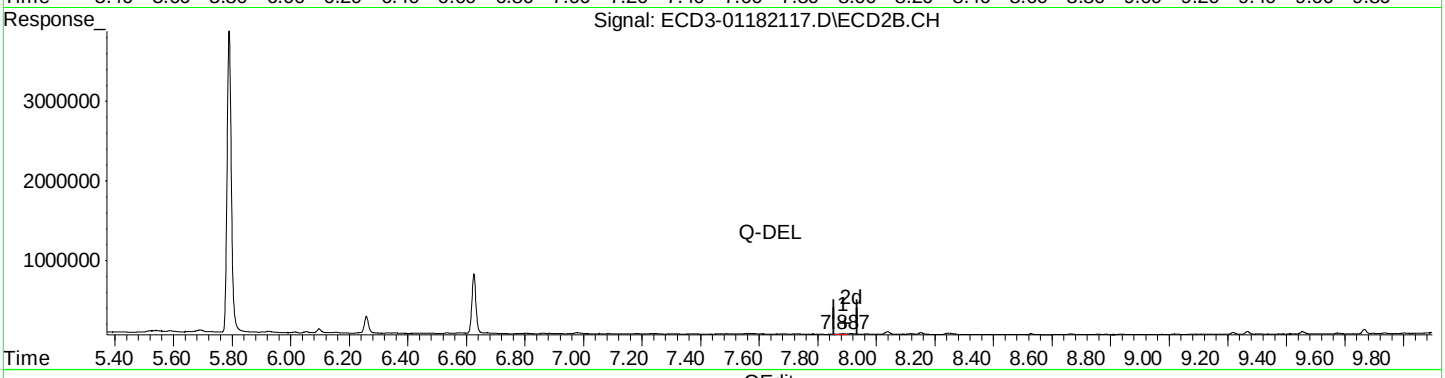


Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182117.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 17:07
Operator : MJB
Sample : 1012907-DUP1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:08:19 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





QEdit

(26) 2,4'-DDE
~~7.401min 5794.710 ng/mL~~
response ~~18364~~

(26) 2,4'-DDE #2
~~7.887min 11271.778 ng/mL~~
response ~~9185~~

(+) = Expected Retention Time

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182117.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 17:07
Operator : MJB
Sample : 1012907-DUP1 MJB 1/19/21
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:09:08 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.476	5.790	5743403	3780775	30.981	34.863	
22) S	DCBP (S)	9.675	10.277	5662052	3146995	51.586	52.245	
	Target Compounds							
2)	a-BHC	6.009	6.357f	8199	7173	0.034	0.048	#
3)	g-BHC	6.311	6.669f	11314	6356	0.054	0.049	
4)	b-BHC	6.389	6.805f	15014	6015	9544.924	2944.367	#
5)	Heptachlor	6.692	7.086	21839	4176	0.112	0.034	#
6)	d-BHC	6.539	6.977f	12406	15336	0.064	0.130	#
7)	Aldrin	6.968	7.363f	8262	3389	0.041	0.027	
8)	Heptachlo...	7.401	7.805f	18364	4312	44970.962	3530.576	#
9)	trans-Chl...	0.000	7.915	0	10950	N.D.	6778.156	#
10)	cis-Chlor...	7.611	8.039f	13482	33460	BelowCal	0.157	
11)	Endosulfa...	7.723	8.039f	12396	33460	0.075	0.329	#
12)	4,4'-DDE	7.655	8.118	26159	11638	0.142	0.103	
13)	Dieldrin	7.850f	8.245	8493	16734	0.046	0.149	#
14)	Endrin	8.066	0.000	3570	0	0.026	N.D.	#
15)	4,4'-DDD	8.088	8.529	47600	12810	0.332	0.146	#
16)	Endosulfa...	8.214	8.626	13054	4857	0.092	0.056	
17)	4,4'-DDT	8.318f	8.757	42265	5821	0.333	0.080	#
18)	Endrin Al...	8.511	8.835f	5703	6507	BelowCal	BelowCal	
19)	Endosulfa...	8.804	9.080f	5978	4718	0.046	0.064	
20)	Methoxychlor	8.610	9.219	33885	21025	0.434	0.462	
21)	Endrin Ke...	8.999	9.455	22967	27831	0.164	0.339	#
23)	Hexachlor...	3.274	3.537f	16658	15258	2844.087	1294.037	#
24)	Hexachlor...	5.861	6.259	21206	210987	BelowCal	1.714	
25)	Oxychlordane	7.306f	7.683	13047	4510	BelowCal	24475.466	
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d	
27)	trans-Non...	7.611	7.969	13482	6660	34192.535	74602.247	#
28)	2,4'-DDD	7.781	8.245	9447	16734	BelowCal	0.012	
29)	2,4'-DDT	7.965	0.000	8524	0	BelowCal	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182117.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 17:07
Operator : MJB
Sample : 1012907-DUP1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:09:08 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

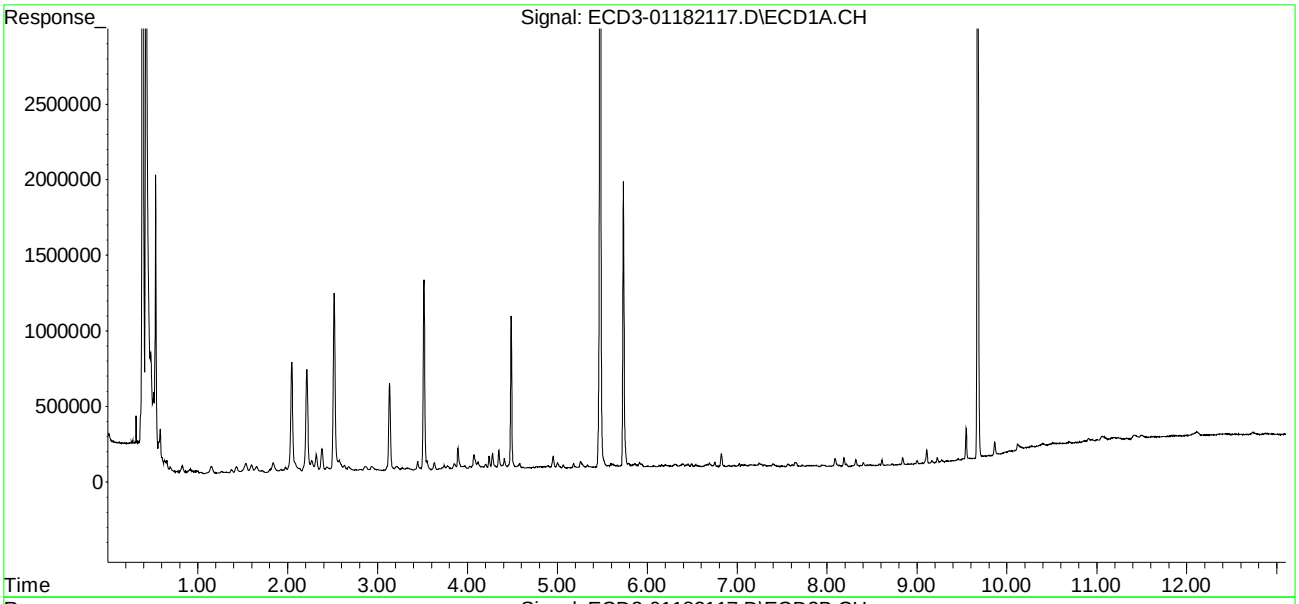
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.066	8.529	3570	12810	BelowCal	BelowCal	
31)	Mirex	8.725	9.455f	8283	27831	BelowCal	0.081	
32)	Chlordane...	7.565f	7.969	16750	6660	0.823	0.498	
33)	Chlordane...	7.644	8.039f	27885	33460	1.437	2.966	#
34)	Chlordane...	8.187	8.757f	54961	5821	9.132	1.631	#
35)	Chlordane...	3.777	3.760	26079	33966	NoCal	NoCal	
36)	Toxaphene...	7.611	0.000	13482	0	16.693	N.D.	#
37)	Toxaphene...	7.942f	8.626	10122	4857	3.475	3.459	
38)	Toxaphene...	8.214f	8.665	13054	11848	3.849	5.905	#
39)	Toxaphene...	8.476	8.757f	9203	5821	2.614	1.749	
40)	Toxaphene...	8.725	0.000	8283	0	3.055	N.D.	#
41)	Toxaphene...	8.804f	9.304	5978	4510	1.896	2.221	
42)	Toxaphene...	3.777f	3.760	26079	33966	NoCal	NoCal	

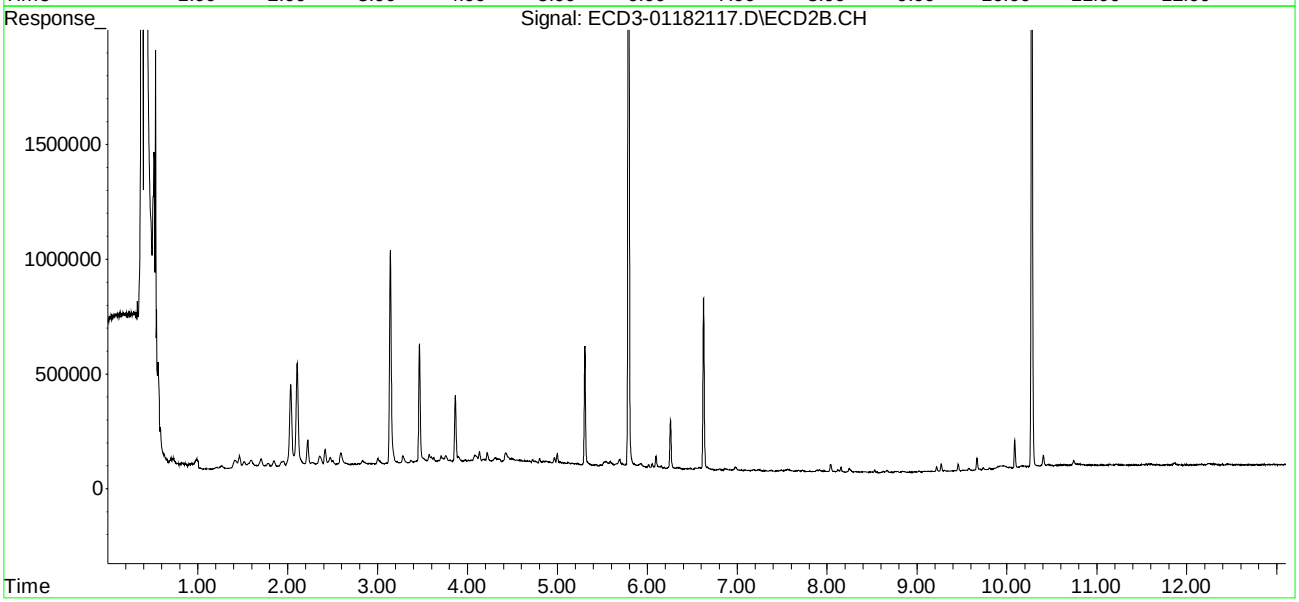
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182117.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 17:07
Operator : MJB
Sample : 1012907-DUP1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:09:08 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182118.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 17:24
Operator : MJB
Sample : A0K0482-02RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:10:07 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.477	5.790	5344943	3404849	28.832	31.349	
22)	S DCBP (S)	9.675	10.277	5655701	3040042	51.527	50.429	
	Target Compounds							
2)	a-BHC	6.010	0.000	6078	0	0.026	N.D.	#
3)	g-BHC	6.318	6.672f	5959	5406	0.029	0.042	#
4)	b-BHC	6.373	0.000	5434	0	9545.032	N.D.	#
5)	Heptachlor	6.695	0.000	16034	0	0.082	N.D.	#
6)	d-BHC	6.540	6.979f	9159	11450	0.047	0.097	#
7)	Aldrin	0.000	7.363f	0	2735	N.D.	0.022	#
8)	Heptachlo...	7.404	7.728f	9117	3121	44971.016	3530.587	#
9)	trans-Chl...	7.493	7.916	4804	8359	0.026	6778.180	#
10)	cis-Chlor...	7.614	8.040f	11632	22127	BelowCal	0.048	
11)	Endosulfa...	0.000	8.040f	0	22127	N.D.	0.218	#
12)	4,4'-DDE	7.645	8.154f	24281	14031	0.132	0.125	
13)	Dieldrin	0.000	8.260	0	3952	N.D.	0.035	#
14)	Endrin	0.000	0.000	0	0	N.D.	N.D.	
15)	4,4'-DDD	8.091	0.000	8681	0	0.061	N.D.	#
16)	Endosulfa...	8.188f	8.626	38831	4261	0.275	0.049	#
17)	4,4'-DDT	8.280	8.756	4244	5249	0.033	0.073	#
18)	Endrin Al...	8.511	8.835f	4691	4346	BelowCal	BelowCal	
19)	Endosulfa...	8.807	9.084f	4978	1484	0.038	0.020	#
20)	Methoxychlor	8.611	9.219	11274	7256	0.046	0.055	
21)	Endrin Ke...	9.000	9.456	14632	22094	0.104	0.269	#
23)	Hexachlor...	3.276	3.509	11906	17549	2844.114	1294.018	#
24)	Hexachlor...	5.861	6.259	14512	22087	BelowCal	3052.418	
25)	Oxychlordane	0.000	7.728f	0	3121	N.D.	24475.482	#
26)	2,4'-DDE	7.404	7.889	9117	8458	5794.792	11271.788	#
27)	trans-Non...	7.614f	0.000	11632	0	34192.547	N.D.	#
28)	2,4'-DDD	0.000	8.260	0	3952	N.D.	BelowCal	
29)	2,4'-DDT	7.971	0.000	5520	0	BelowCal	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182118.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 17:24
Operator : MJB
Sample : A0K0482-02RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:10:07 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

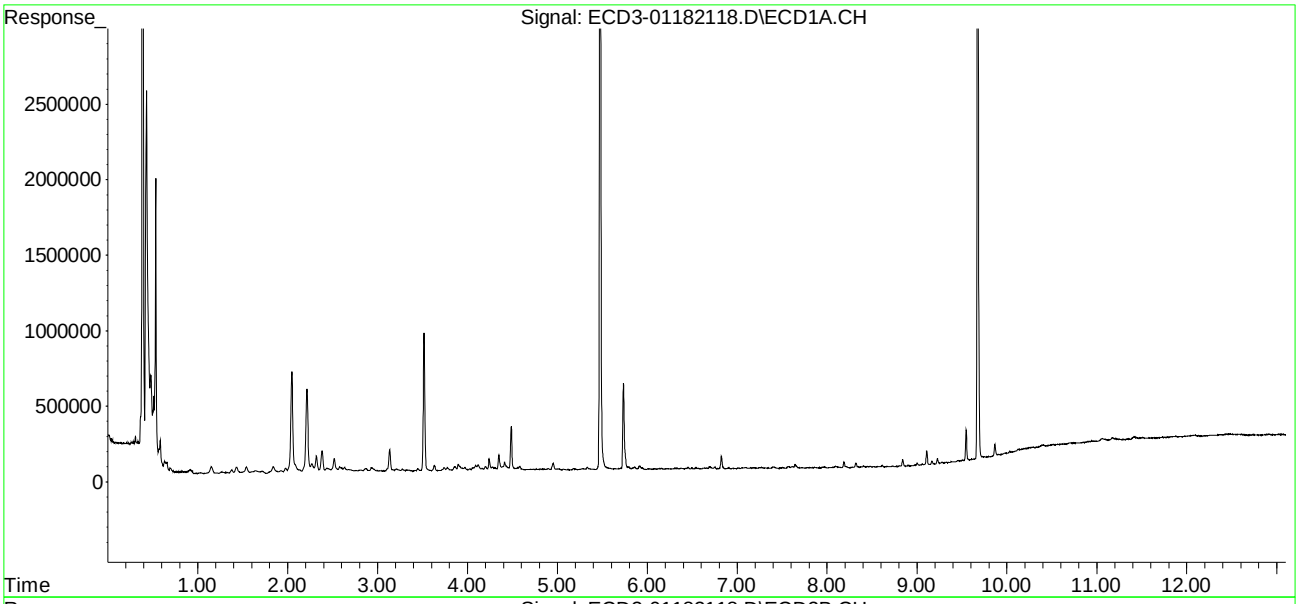
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.091f	0.000	8681	0	BelowCal	N.D.	
31)	Mirex	8.729	9.456f	6088	22094	BelowCal	14371.732	
32)	Chlordane...	7.566f	7.916f	12690	8359	0.623	0.625	
33)	Chlordane...	7.645	8.040f	24281	22127	1.252	1.962	#
34)	Chlordane...	8.188	8.756f	38831	5249	6.452	1.471	#
35)	Chlordane...	3.777	3.762	15672	20662	NoCal	NoCal	
36)	Toxaphene...	7.614	8.260f	11632	3952	14.402	3.196	#
37)	Toxaphene...	0.000	8.626	0	4261	N.D.	3.035	#
38)	Toxaphene...	0.000	8.667	0	9634	N.D.	4.801	#
39)	Toxaphene...	8.479	8.756	8394	5249	2.384	1.577	
40)	Toxaphene...	8.729f	0.000	6088	0	2.245	N.D.	#
41)	Toxaphene...	8.807f	9.268	4978	26012	1.578	12.809	#
42)	Toxaphene...	3.777f	3.762	15672	20662	NoCal	NoCal	

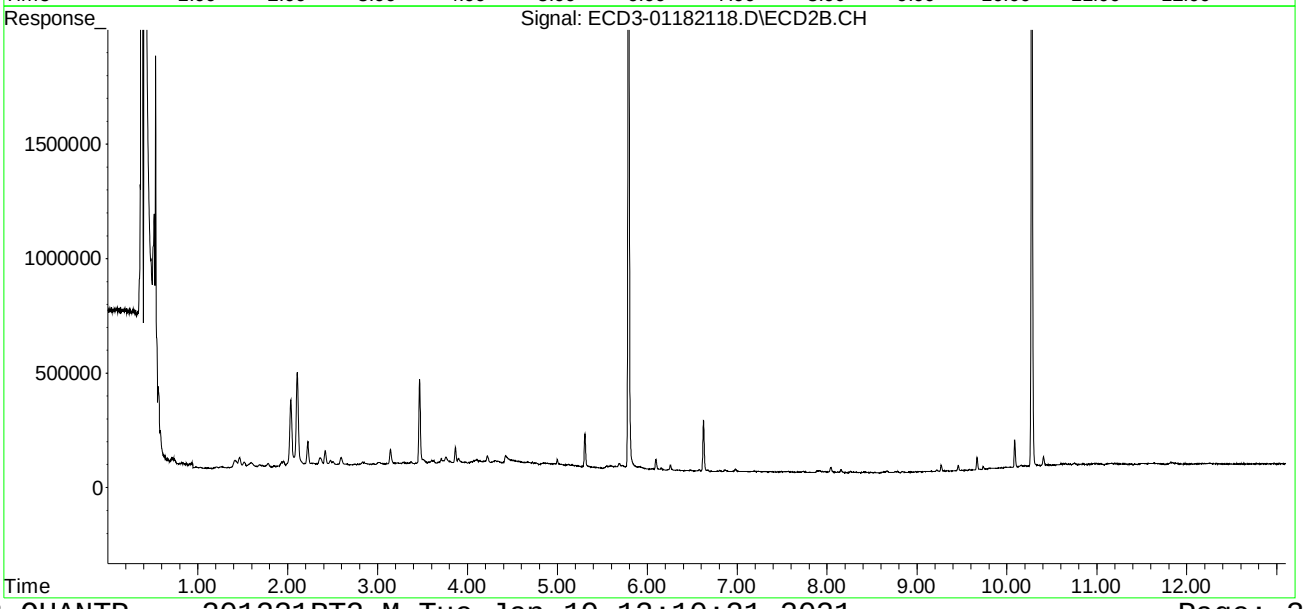
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182118.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 17:24
Operator : MJB
Sample : A0K0482-02RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:10:07 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

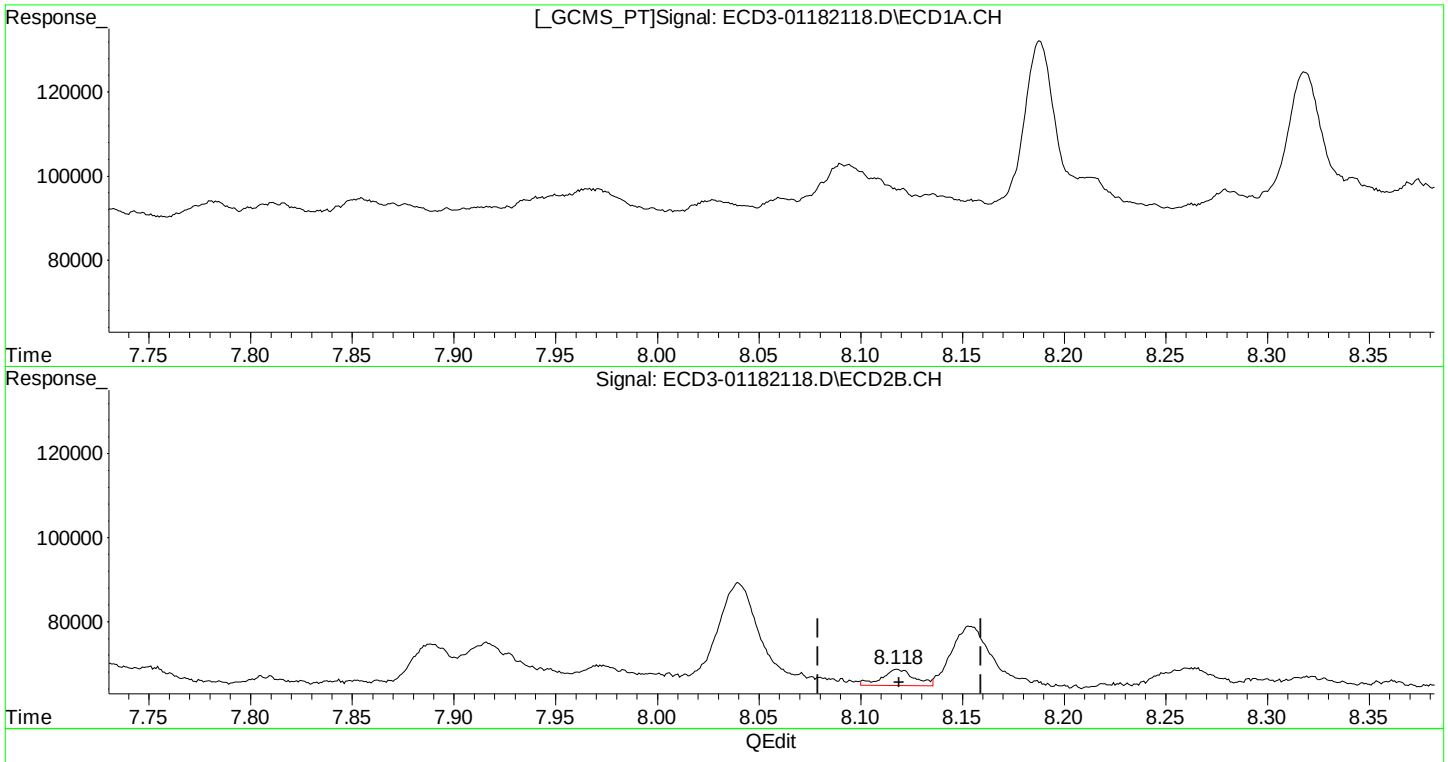




Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182118.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 17:24
Operator : MJB
Sample : A0K0482-02RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:10:07 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



QEdit

(12) 4,4'-DDE
7.645min 0.132 ng/mL
response 24281

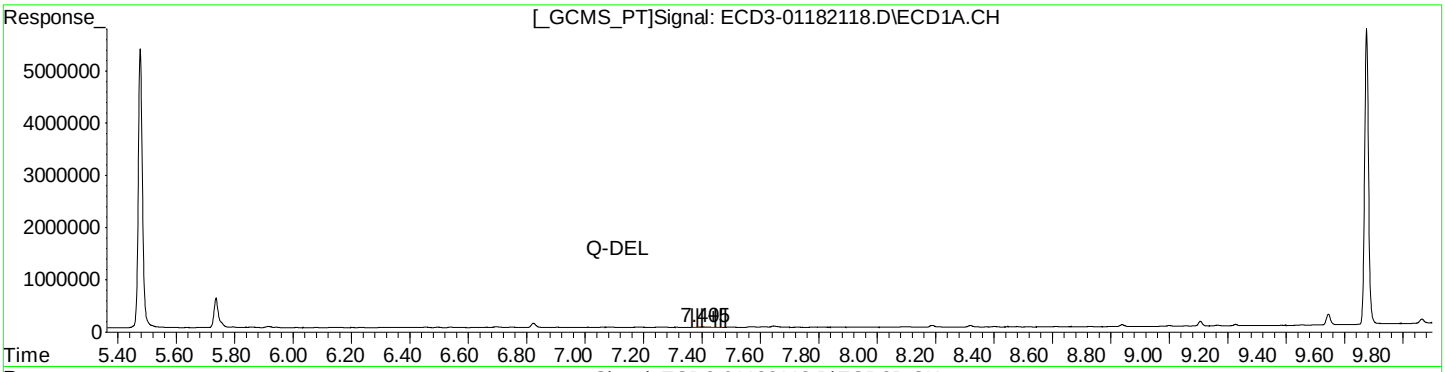
(12) 4,4'-DDE #2
8.118min 0.034 ng/mL m
response 3858

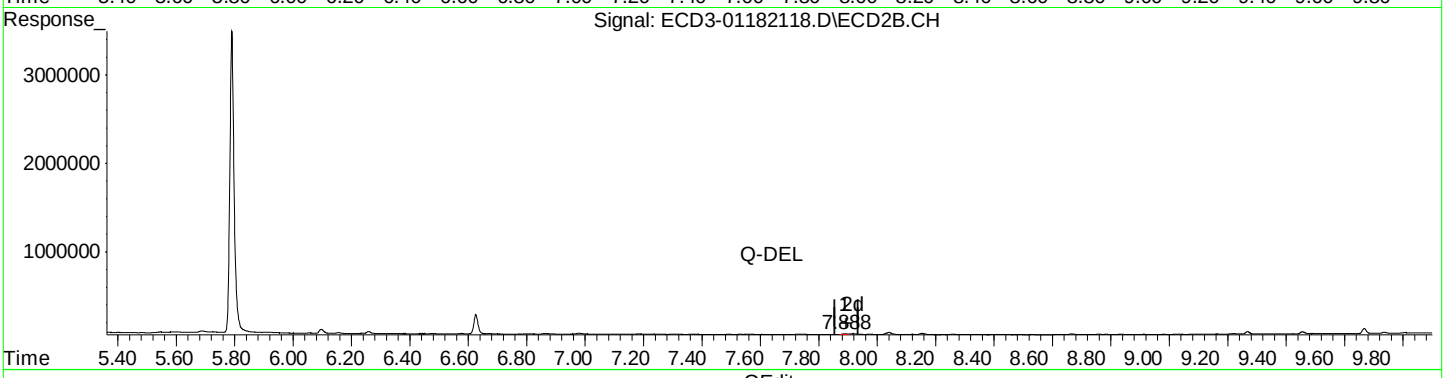
(+) = Expected Retention Time
ECD3_QUANTP..._201221RT2.M Tue Jan 19 13:10:48 2021 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182118.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 17:24
Operator : MJB
Sample : A0K0482-02RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:10:07 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





QEdit

(26) 2,4'-DDE
~~7.404min 5794.792 ng/mL~~
response ~~9117~~

(26) 2,4'-DDE #2
~~7.889min 11271.788 ng/mL~~
response ~~8458~~

(+) = Expected Retention Time

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182118.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 17:24
Operator : MJB
Sample : A0K0482-02RE1 MJB 1/19/21
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:11:12 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.477	5.790	5344943	3404849	28.832	31.349	
22) S	DCBP (S)	9.675	10.277	5655701	3040042	51.527	50.429	
	Target Compounds							
2)	a-BHC	6.010	0.000	6078	0	0.026	N.D.	#
3)	g-BHC	6.318	6.672f	5959	5406	0.029	0.042	#
4)	b-BHC	6.373	0.000	5434	0	9545.032	N.D.	#
5)	Heptachlor	6.695	0.000	16034	0	0.082	N.D.	#
6)	d-BHC	6.540	6.979f	9159	11450	0.047	0.097	#
7)	Aldrin	0.000	7.363f	0	2735	N.D.	0.022	#
8)	Heptachlo...	7.404	7.728f	9117	3121	44971.016	3530.587	#
9)	trans-Chl...	7.493	7.916	4804	8359	0.026	6778.180	#
10)	cis-Chlor...	7.614	8.040f	11632	22127	BelowCal	0.048	
11)	Endosulfa...	0.000	8.040f	0	22127	N.D.	0.218	#
12)	4,4'-DDE	7.645	8.118	24281	3858	0.132	0.034m	#
13)	Dieldrin	0.000	8.260	0	3952	N.D.	0.035	#
14)	Endrin	0.000	0.000	0	0	N.D.	N.D.	
15)	4,4'-DDD	8.091	0.000	8681	0	0.061	N.D.	#
16)	Endosulfa...	8.188f	8.626	38831	4261	0.275	0.049	#
17)	4,4'-DDT	8.280	8.756	4244	5249	0.033	0.073	#
18)	Endrin Al...	8.511	8.835f	4691	4346	BelowCal	BelowCal	
19)	Endosulfa...	8.807	9.084f	4978	1484	0.038	0.020	#
20)	Methoxychlor	8.611	9.219	11274	7256	0.046	0.055	
21)	Endrin Ke...	9.000	9.456	14632	22094	0.104	0.269	#
23)	Hexachlor...	3.276	3.509	11906	17549	2844.114	1294.018	#
24)	Hexachlor...	5.861	6.259	14512	22087	BelowCal	3052.418	
25)	Oxychlordane	0.000	7.728f	0	3121	N.D.	24475.482	#
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d	
27)	trans-Non...	7.614f	0.000	11632	0	34192.547	N.D.	#
28)	2,4'-DDD	0.000	8.260	0	3952	N.D.	BelowCal	
29)	2,4'-DDT	7.971	0.000	5520	0	BelowCal	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182118.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 17:24
Operator : MJB
Sample : A0K0482-02RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:11:12 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

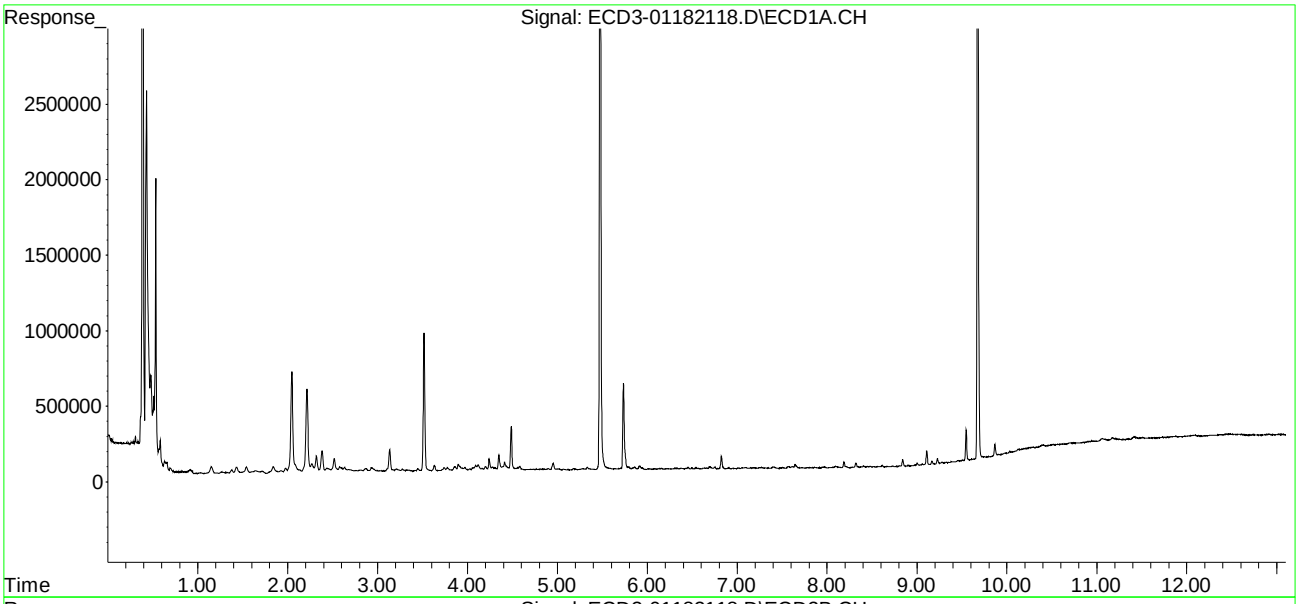
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.091f	0.000	8681	0	BelowCal	N.D.	
31)	Mirex	8.729	9.456f	6088	22094	BelowCal	14371.732	
32)	Chlordane...	7.566f	7.916f	12690	8359	0.623	0.625	
33)	Chlordane...	7.645	8.040f	24281	22127	1.252	1.962	#
34)	Chlordane...	8.188	8.756f	38831	5249	6.452	1.471	#
35)	Chlordane...	3.777	3.762	15672	20662	NoCal	NoCal	
36)	Toxaphene...	7.614	8.260f	11632	3952	14.402	3.196	#
37)	Toxaphene...	0.000	8.626	0	4261	N.D.	3.035	#
38)	Toxaphene...	0.000	8.667	0	9634	N.D.	4.801	#
39)	Toxaphene...	8.479	8.756	8394	5249	2.384	1.577	
40)	Toxaphene...	8.729f	0.000	6088	0	2.245	N.D.	#
41)	Toxaphene...	8.807f	9.268	4978	26012	1.578	12.809	#
42)	Toxaphene...	3.777f	3.762	15672	20662	NoCal	NoCal	

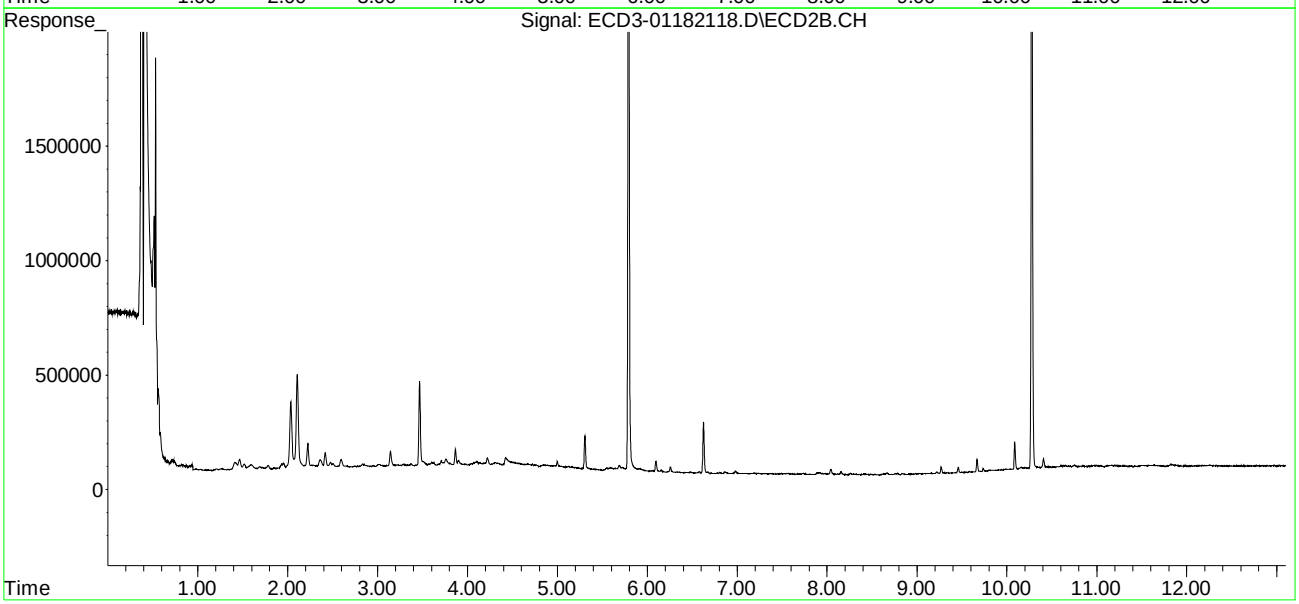
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182118.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 17:24
Operator : MJB
Sample : A0K0482-02RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:11:12 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182119.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 17:41
Operator : MJB
Sample : A0K0482-03RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:12:09 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.478	5.791	4476455	2812790	24.147	25.828	
22)	S DCBP (S)	9.675	10.277	5494155	3040240	50.032	50.432	
	Target Compounds							
2)	a-BHC	6.011	0.000	6329	0	0.027	N.D.	#
3)	g-BHC	6.320	6.673f	6519	4395	0.031	0.034	
4)	b-BHC	6.375	0.000	4558	0	9545.042	N.D.	#
5)	Heptachlor	6.696	0.000	17784	0	0.091	N.D.	#
6)	d-BHC	6.541	6.981f	6018	11213	0.031	0.095	#
7)	Aldrin	0.000	0.000	0	0	N.D.	N.D.	
8)	Heptachlo...	7.404	7.738f	9389	46725	44971.014	0.300	#
9)	trans-Chl...	0.000	7.916	0	8665	N.D.	6778.177	#
10)	cis-Chlor...	7.616	8.040f	9601	17344	BelowCal	0.002	
11)	Endosulfa...	0.000	8.040f	0	17344	N.D.	0.170	#
12)	4,4'-DDE	7.644	8.156f	19067	11581	0.103	0.103	
13)	Dieldrin	0.000	8.260	0	5548	N.D.	0.050	#
14)	Endrin	0.000	0.000	0	0	N.D.	N.D.	
15)	4,4'-DDD	8.093	8.531	13312	4492	0.093	0.051	#
16)	Endosulfa...	8.209	8.627	9054	4537	0.064	0.052	
17)	4,4'-DDT	8.320f	8.757	29324	6475	0.231	0.090	#
18)	Endrin Al...	8.514	8.834f	5430	8495	BelowCal	BelowCal	
19)	Endosulfa...	8.806	9.085f	2948	4297	0.023	0.058	#
20)	Methoxychlor	8.611	9.219	13877	6854	0.090	0.044	#
21)	Endrin Ke...	9.000	9.456	22215	21236	0.159	0.259	#
23)	Hexachlor...	3.276	3.512	14046	17111	2844.102	1294.021	#
24)	Hexachlor...	5.864	6.258	10976	6120	BelowCal	3052.567	
25)	Oxychlordane	7.308f	7.687	6242	6044	BelowCal	24475.449	
26)	2,4'-DDE	7.404	7.889	9389	6729	5794.790	11271.813	#
27)	trans-Non...	7.616f	7.974	9601	5604	34192.559	74602.257	#
28)	2,4'-DDD	7.813f	8.260	4363	5548	BelowCal	BelowCal	
29)	2,4'-DDT	7.967	0.000	5523	0	BelowCal	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182119.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 17:41
Operator : MJB
Sample : A0K0482-03RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:12:09 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

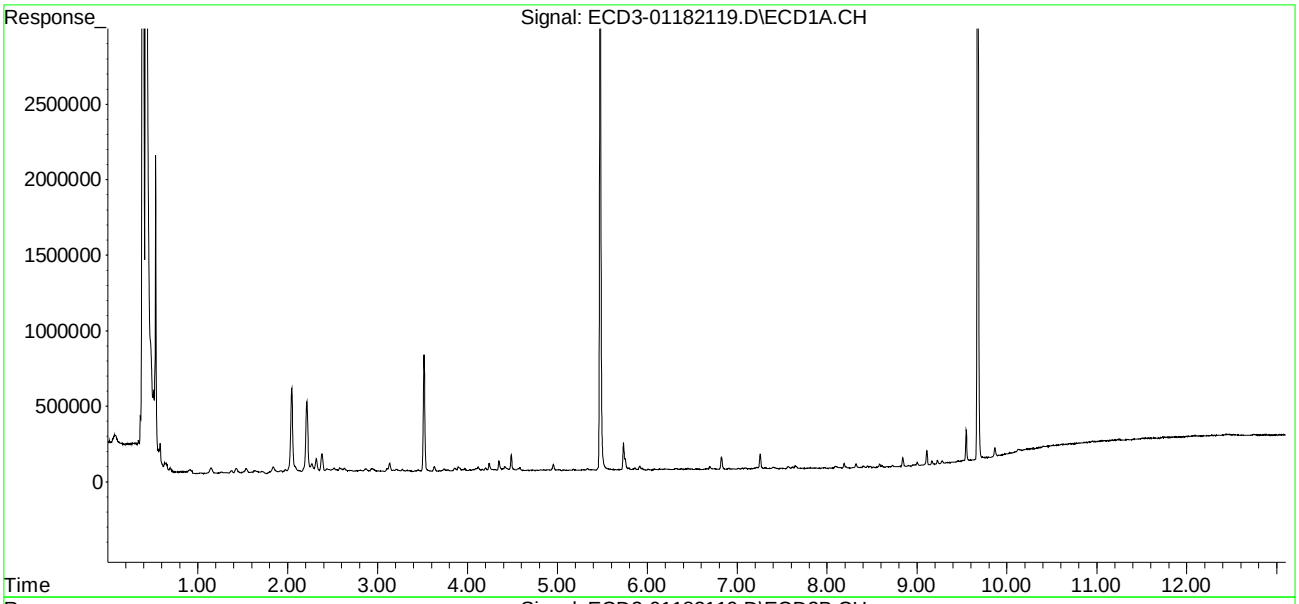
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.093f	8.531	13312	4492	BelowCal	BelowCal	
31)	Mirex	8.727	9.421	12336	3714	BelowCal	14372.027	
32)	Chlordane...	7.564f	7.974	14011	5604	0.688	0.419	
33)	Chlordane...	7.644	8.040f	19067	17344	0.983	1.538	#
34)	Chlordane...	8.189	0.000	32138	0	5.340	N.D.	#
35)	Chlordane...	3.777	3.762	6805	12509	NoCal	NoCal	
36)	Toxaphene...	7.616	8.260f	9601	5548	11.888	4.486	#
37)	Toxaphene...	0.000	8.627	0	4537	N.D.	3.231	#
38)	Toxaphene...	8.209f	8.666	9054	8669	2.669	4.320	#
39)	Toxaphene...	8.477	8.757f	11724	6475	3.331	1.945	#
40)	Toxaphene...	8.695	0.000	3171	0	1.170	N.D.	#
41)	Toxaphene...	8.770	9.302	2993	2651	0.949	1.305	
42)	Toxaphene...	3.777f	3.762	6805	12509	NoCal	NoCal	

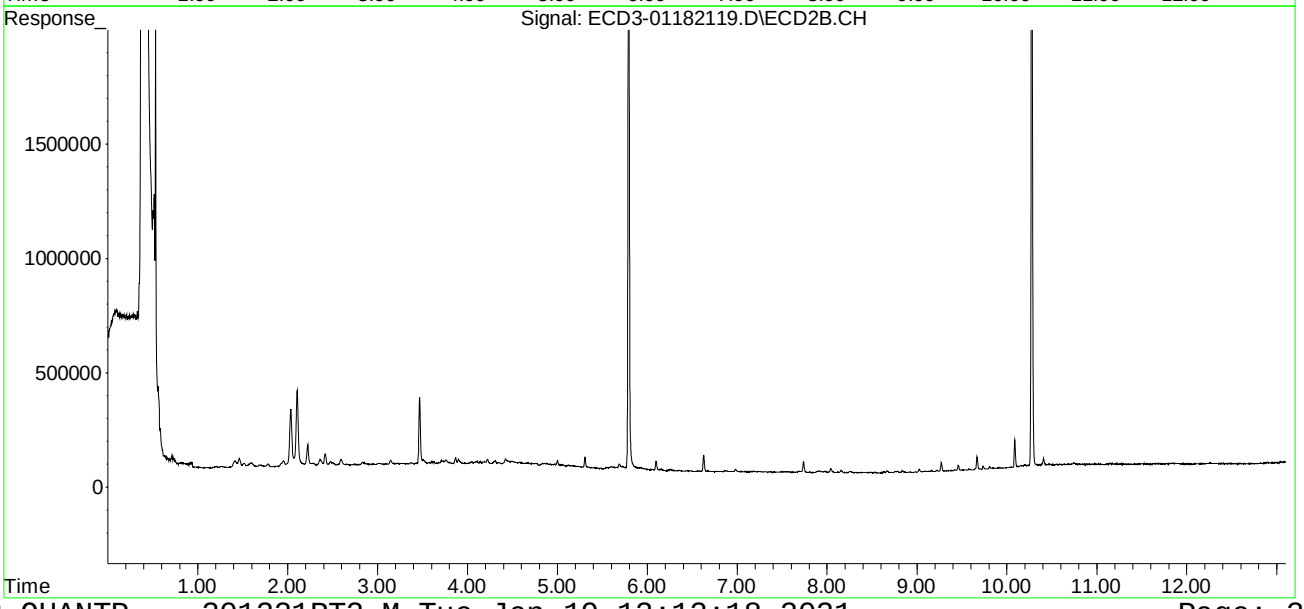
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182119.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 17:41
Operator : MJB
Sample : A0K0482-03RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:12:09 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

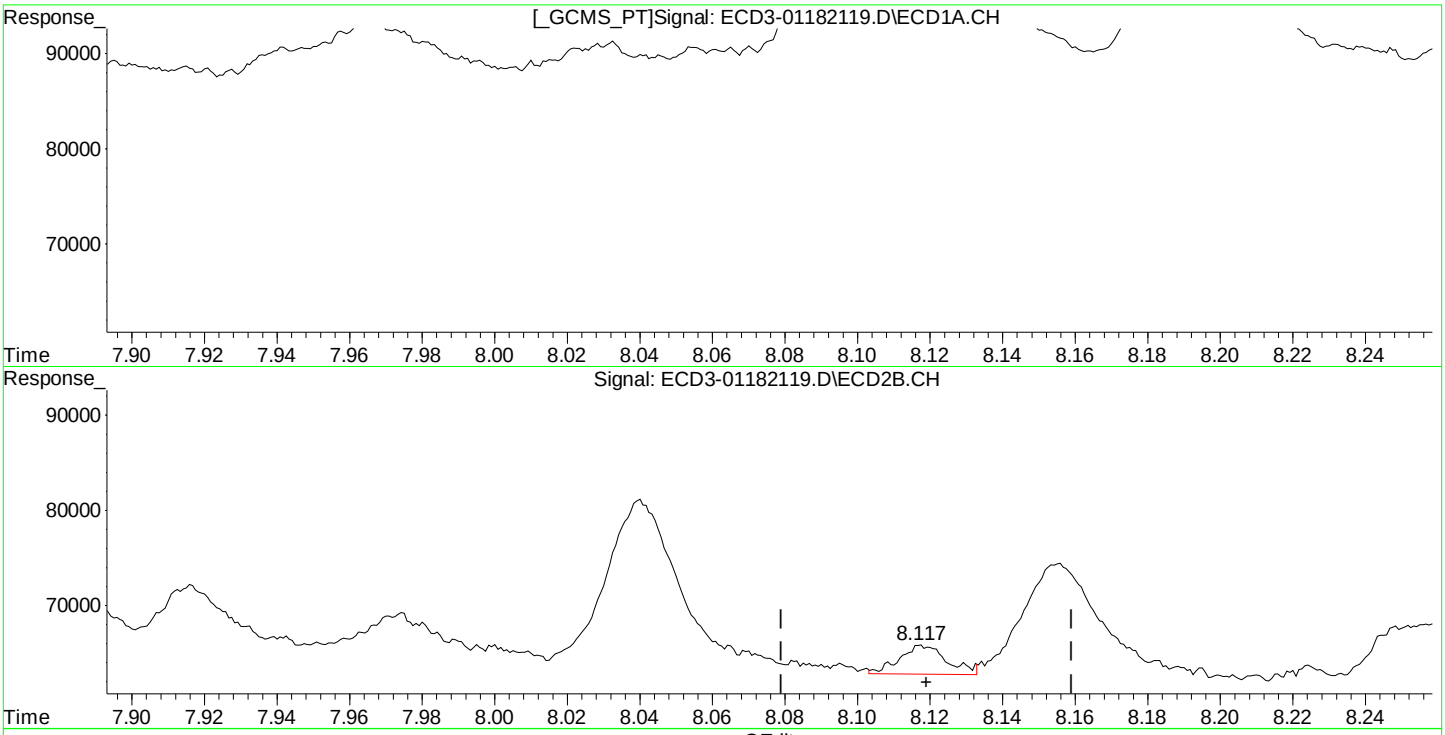




Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182119.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 17:41
Operator : MJB
Sample : A0K0482-03RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:12:09 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(12) 4,4'-DDE
7.644min 0.103 ng/mL
response 19067

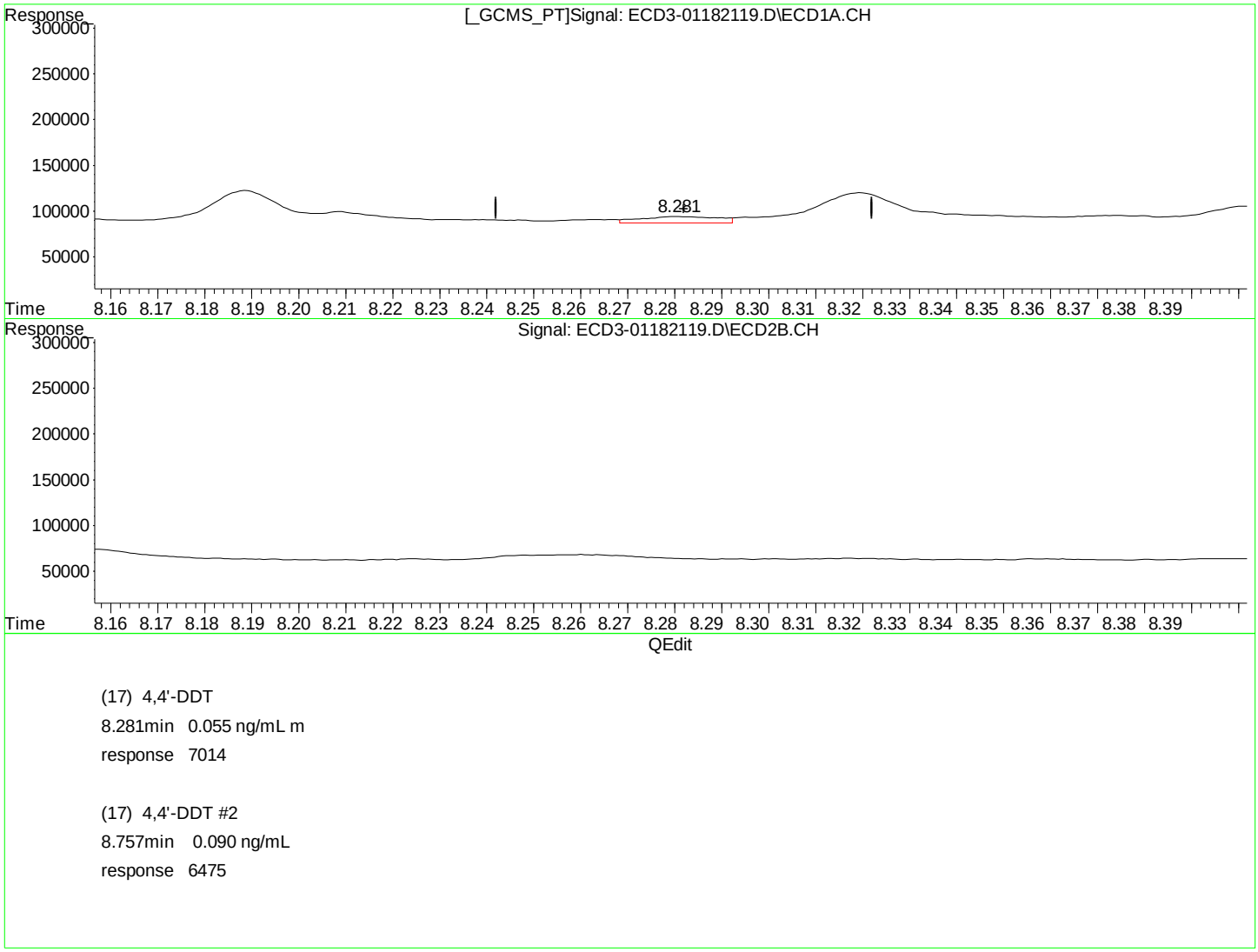
(12) 4,4'-DDE #2
8.117min 0.028 ng/mL m
response 3124

(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182119.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 17:41
Operator : MJB
Sample : A0K0482-03RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:12:09 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(17) 4,4'-DDT
8.281min 0.055 ng/mL m
response 7014

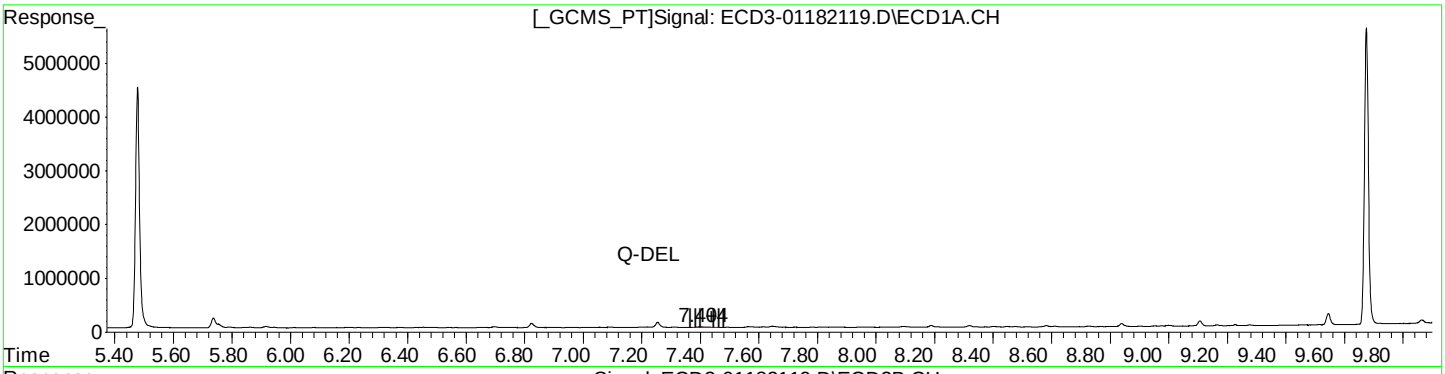
(17) 4,4'-DDT #2
8.757min 0.090 ng/mL
response 6475

(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182119.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 17:41
Operator : MJB
Sample : A0K0482-03RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:12:09 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



QEdit

(26) 2,4'-DDE
~~7.404min 5794.790 ng/mL~~
response ~~9389~~

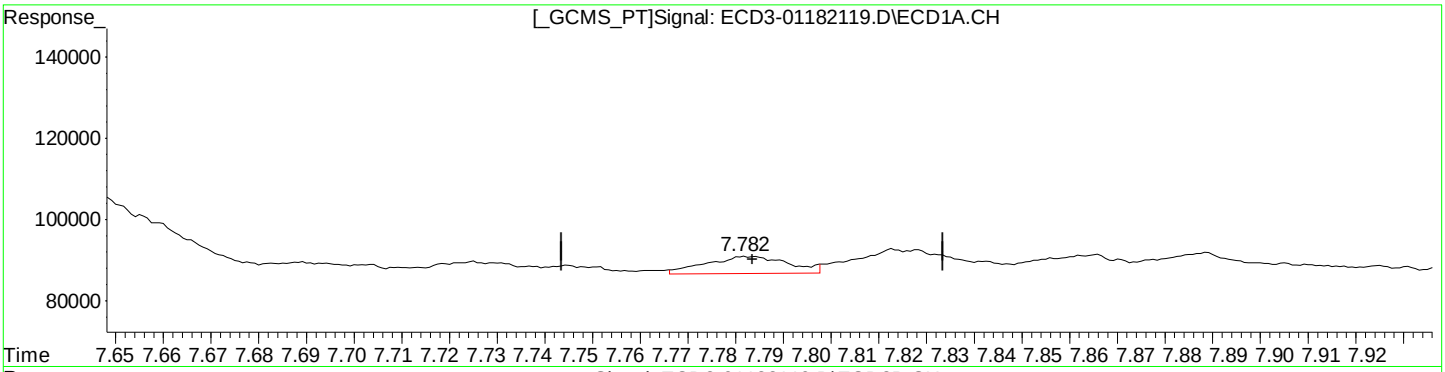
(26) 2,4'-DDE #2
~~7.889min 11271.813 ng/mL~~
response ~~6729~~

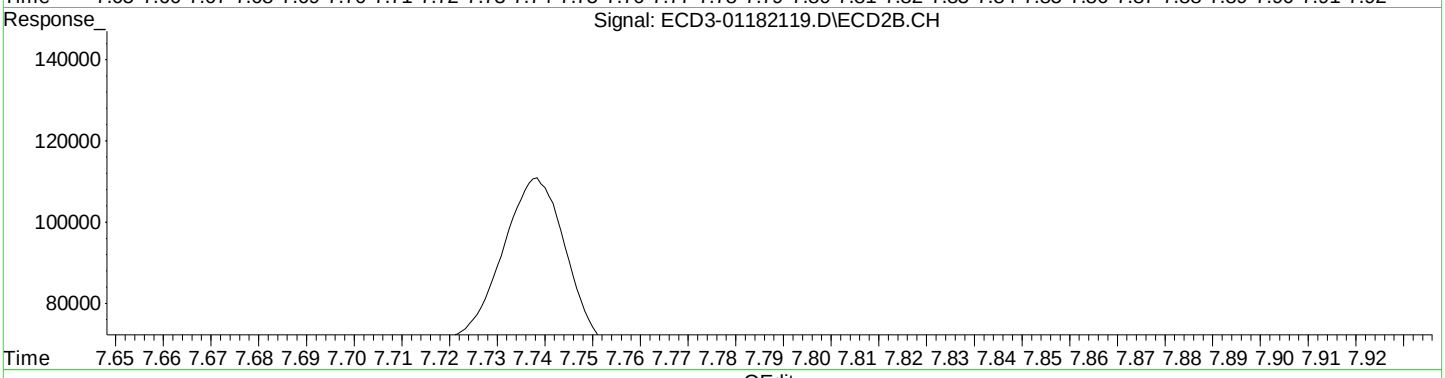
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182119.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 17:41
Operator : MJB
Sample : A0K0482-03RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:12:09 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





QEdit

(28) 2,4'-DDD
7.782min -0.152 ng/mL m
response 4305

(28) 2,4'-DDD #2
8.260min -0.171 ng/mL
response 5548

(+) = Expected Retention Time
ECD3_QUANTP..._201221RT2.M Tue Jan 19 13:13:40 2021 Page: 1

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182119.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 17:41
Operator : MJB
Sample : A0K0482-03RE1 MJB 1/19/21
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:13:38 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	5.478	5.791	4476455	2812790	24.147	25.828
22) S	DCBP (S)	9.675	10.277	5494155	3040240	50.032	50.432
	Target Compounds						
2)	a-BHC	6.011	0.000	6329	0	0.027	N.D. #
3)	g-BHC	6.320	6.673f	6519	4395	0.031	0.034
4)	b-BHC	6.375	0.000	4558	0	9545.042	N.D. #
5)	Heptachlor	6.696	0.000	17784	0	0.091	N.D. #
6)	d-BHC	6.541	6.981f	6018	11213	0.031	0.095 #
7)	Aldrin	0.000	0.000	0	0	N.D.	N.D.
8)	Heptachlo...	7.404	7.738f	9389	46725	44971.014	0.300 #
9)	trans-Chl...	0.000	7.916	0	8665	N.D.	6778.177 #
10)	cis-Chlor...	7.616	8.040f	9601	17344	BelowCal	0.002
11)	Endosulfa...	0.000	8.040f	0	17344	N.D.	0.170 #
12)	4,4'-DDE	7.644	8.117	19067	3124	0.103	0.028m#
13)	Dieldrin	0.000	8.260	0	5548	N.D.	0.050 #
14)	Endrin	0.000	0.000	0	0	N.D.	N.D.
15)	4,4'-DDD	8.093	8.531	13312	4492	0.093	0.051 #
16)	Endosulfa...	8.209	8.627	9054	4537	0.064	0.052
17)	4,4'-DDT	8.281	8.757	7014	6475	0.055m	0.090 #
18)	Endrin Al...	8.514	8.834f	5430	8495	BelowCal	BelowCal
19)	Endosulfa...	8.806	9.085f	2948	4297	0.023	0.058 #
20)	Methoxychlor	8.611	9.219	13877	6854	0.090	0.044 #
21)	Endrin Ke...	9.000	9.456	22215	21236	0.159	0.259 #
23)	Hexachlor...	3.276	3.512	14046	17111	2844.102	1294.021 #
24)	Hexachlor...	5.864	6.258	10976	6120	BelowCal	3052.567
25)	Oxychlordane	7.308f	7.687	6242	6044	BelowCal	24475.449
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	7.616f	7.974	9601	5604	34192.559	74602.257 #
28)	2,4'-DDD	7.782	8.260	4305	5548	BelowCalm	BelowCal
29)	2,4'-DDT	7.967	0.000	5523	0	BelowCal	N.D.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182119.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 17:41
Operator : MJB
Sample : A0K0482-03RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:13:38 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

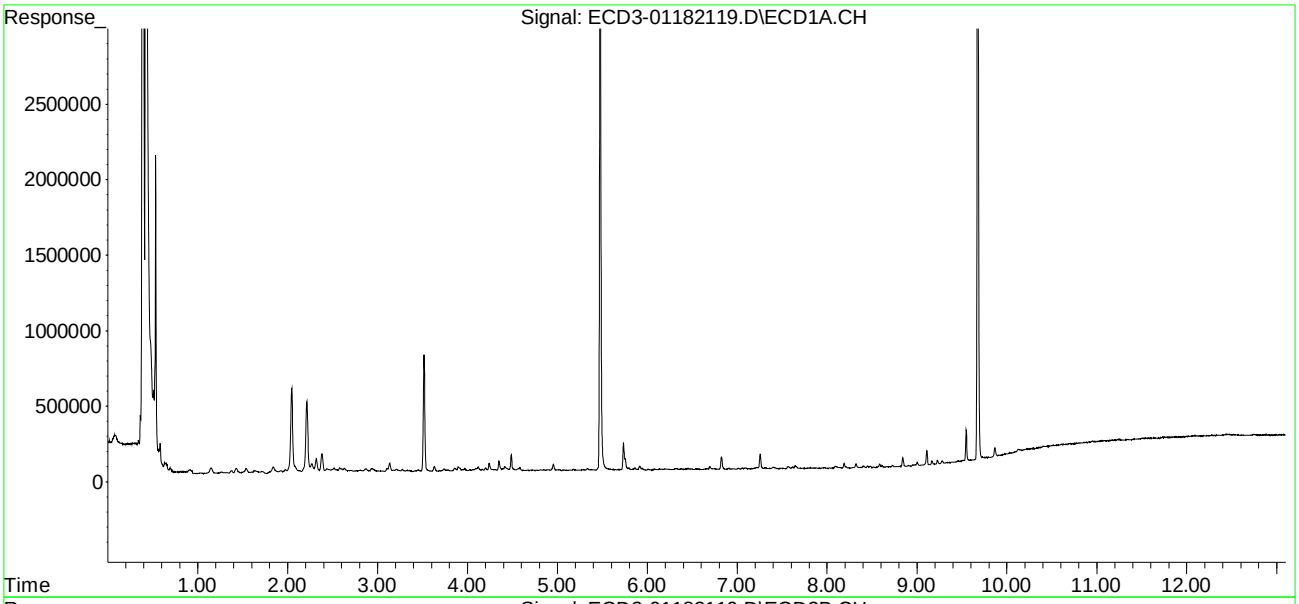
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.093f	8.531	13312	4492	BelowCal	BelowCal	
31)	Mirex	8.727	9.421	12336	3714	BelowCal	14372.027	
32)	Chlordane...	7.564f	7.974	14011	5604	0.688	0.419	
33)	Chlordane...	7.644	8.040f	19067	17344	0.983	1.538	#
34)	Chlordane...	8.189	0.000	32138	0	5.340	N.D.	#
35)	Chlordane...	3.777	3.762	6805	12509	NoCal	NoCal	
36)	Toxaphene...	7.616	8.260f	9601	5548	11.888	4.486	#
37)	Toxaphene...	0.000	8.627	0	4537	N.D.	3.231	#
38)	Toxaphene...	8.209f	8.666	9054	8669	2.669	4.320	#
39)	Toxaphene...	8.477	8.757f	11724	6475	3.331	1.945	#
40)	Toxaphene...	8.695	0.000	3171	0	1.170	N.D.	#
41)	Toxaphene...	8.770	9.302	2993	2651	0.949	1.305	
42)	Toxaphene...	3.777f	3.762	6805	12509	NoCal	NoCal	

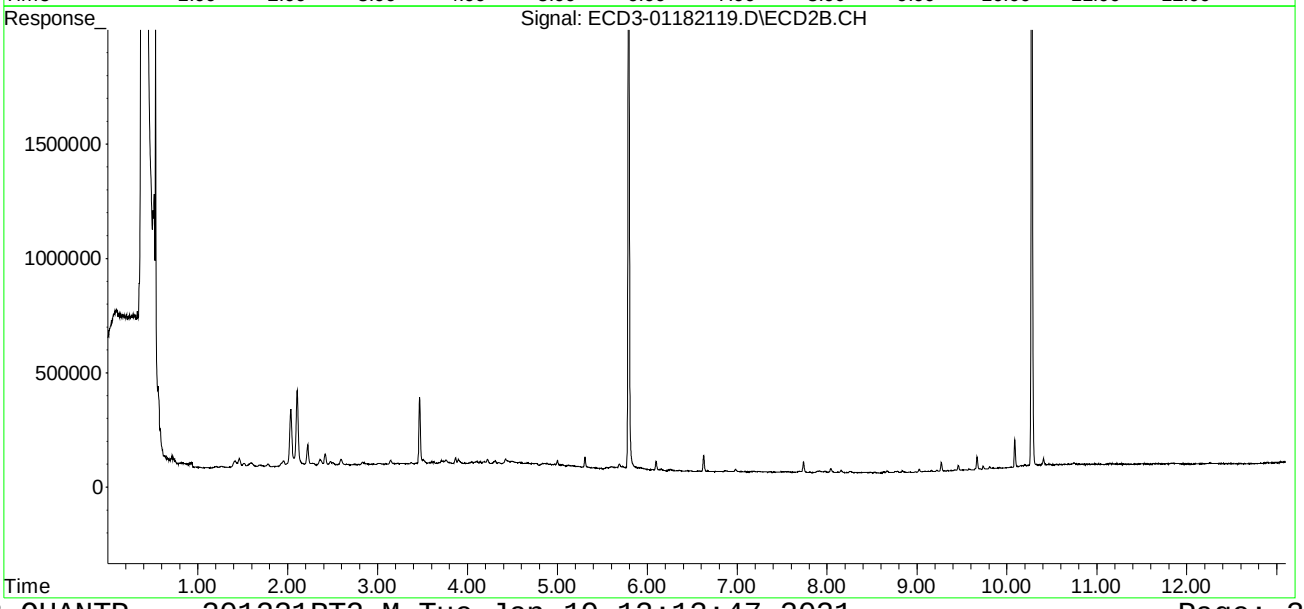
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182119.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 17:41
Operator : MJB
Sample : A0K0482-03RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:13:38 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182120.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 17:58
Operator : MJB
Sample : 1012907-MS1 MJB 1/19/21
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:14:33 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.477	5.791	5065124	3252360	27.322	29.925	
22) S	DCBP (S)	9.675	10.277	5736772	3228017	52.278	53.623	
	Target Compounds							
2)	a-BHC	6.013	0.000	6815	0	0.029	N.D.	#
3)	g-BHC	6.323	6.672f	8240	7648	0.039	0.059	#
4)	b-BHC	6.374	0.000	6837	0	9545.016	N.D.	#
5)	Heptachlor	6.699	0.000	21447	0	0.110	N.D.	#
6)	d-BHC	6.540	6.980f	16838	13527	0.086	0.115	
7)	Aldrin	0.000	0.000	0	0	N.D.	N.D.	
8)	Heptachlo...	7.406	7.731f	4218770	6120	24.585	3530.559	#
9)	trans-Chl...	7.514	7.894	14527	2776765	0.078	25.287	#
10)	cis-Chlor...	7.616	8.041f	10515	31879	BelowCal	0.142	
11)	Endosulfa...	7.721	8.041	16193	31879	0.098	0.313	#
12)	4,4'-DDE	7.658	8.119	7155575	4321303	38.815	38.361	
13)	Dieldrin	0.000	8.265	0	2865484	N.D.	25.577	#
14)	Endrin	8.085f	8.485	6455279	2893835	47.004	35.533	
15)	4,4'-DDD	8.085	8.530	6455279	3885670	45.008	44.234	
16)	Endosulfa...	8.210	8.633	12708	9605	0.090	0.110	
17)	4,4'-DDT	8.281	8.754	6975199	3896204	54.997	53.864	
18)	Endrin Al...	8.516	0.000	4839	0	BelowCal	N.D.	
19)	Endosulfa...	8.808	9.032f	5300	3135	0.041	0.042	
20)	Methoxychlor	8.611	9.220	11646	8742	0.052	0.099	#
21)	Endrin Ke...	9.000	9.458	25681	30065	0.183	0.366	#
23)	Hexachlor...	3.275	3.516	12750	22045	2844.109	1293.981	#
24)	Hexachlor...	5.862	6.258	11202	4368	BelowCal	3052.583	
25)	Oxychlordane	0.000	7.731f	0	6120	N.D.	24475.449	#
26)	2,4'-DDE	7.406	7.894	4218770	2776765	37.471	38.893	
27)	trans-Non...	7.616f	0.000	10515	0	34192.553	N.D.	#
28)	2,4'-DDD	7.783	8.265	4742560	2865484	47.309	46.592	
29)	2,4'-DDT	7.964	8.485	5073436	2893835	52.556	51.034	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182120.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 17:58
Operator : MJB
Sample : 1012907-MS1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:14:33 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

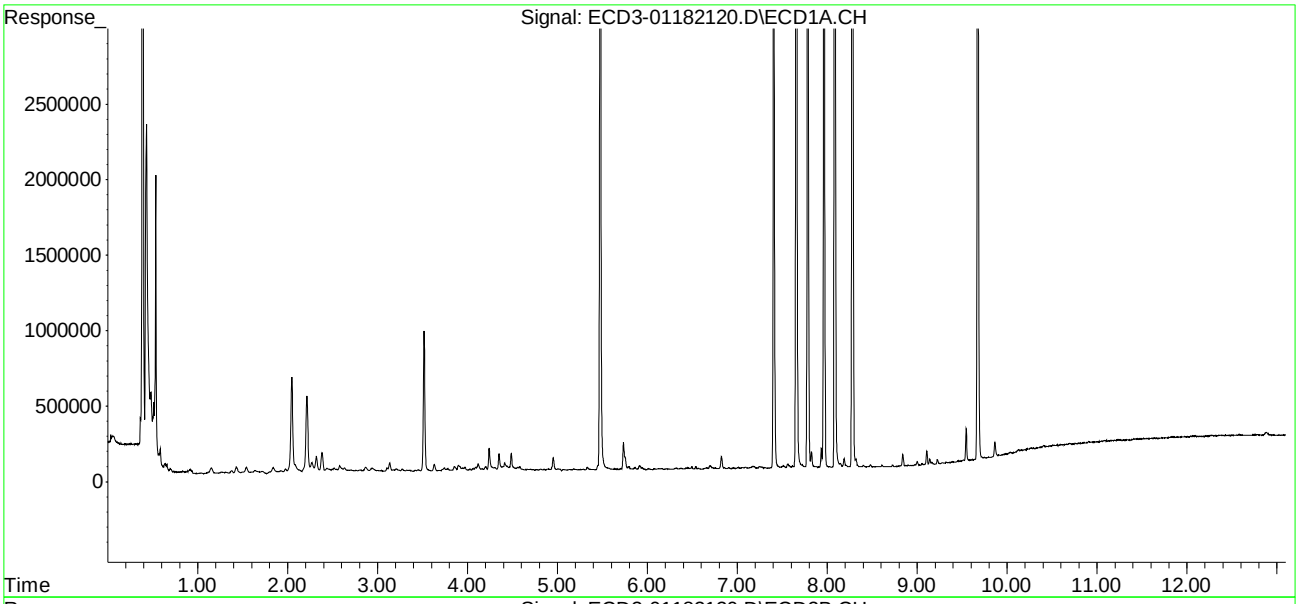
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.085	8.530	6455279	3885670	36.334	36.400	
31)	Mirex	8.728	9.424	11597	3213	BelowCal	14372.035	
32)	Chlordane...	7.564f	0.000	24815	0	1.219	N.D.	#
33)	Chlordane...	7.616f	8.041f	10515	31879	0.542	2.826	#
34)	Chlordane...	8.188	8.754f	55822	3896204	9.275	1091.919	#
35)	Chlordane...	3.778	3.763	10921	31031	NoCal	NoCal	
36)	Toxaphene...	7.616	8.265f	10515	2865484	13.019	2317.284	#
37)	Toxaphene...	7.935	8.633	128043	9605	72.218	6.840	#
38)	Toxaphene...	8.210f	8.666	12708	7704	3.747	3.840	
39)	Toxaphene...	8.480	8.754	16344	3896204	4.643	1170.516	#
40)	Toxaphene...	8.728f	0.000	11597	0	4.277	N.D.	#
41)	Toxaphene...	8.769	9.268	4119	51111	1.306	25.169	#
42)	Toxaphene...	3.778f	3.763	10921	31031	NoCal	NoCal	

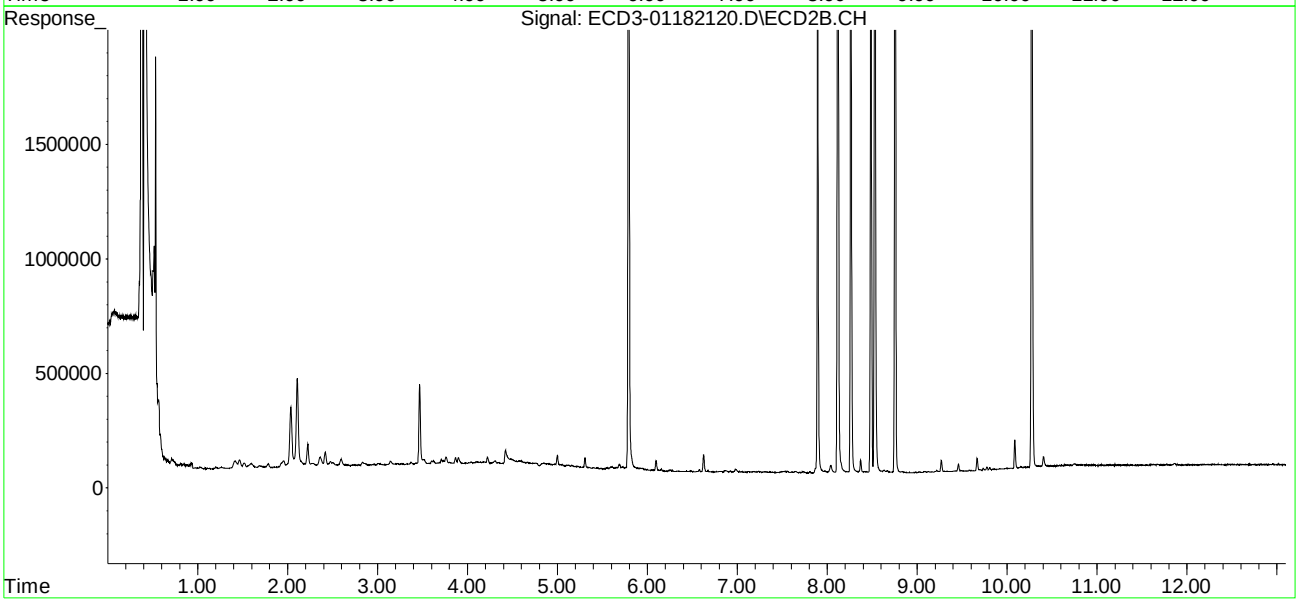
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182120.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 17:58
Operator : MJB
Sample : 1012907-MS1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:14:33 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182121.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 18:15
Operator : MJB
Sample : 1012907-MSD1 MJB 1/19/21
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:15:25 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.477	5.790	4480184	2824254	24.167	25.934	
22) S	DCBP (S)	9.675	10.277	4780200	2663243	43.437	44.048	
	Target Compounds							
2)	a-BHC	6.013	0.000	6365	0	0.027	N.D.	#
3)	g-BHC	6.321	6.673f	5188	5188	0.025	0.040	#
4)	b-BHC	6.375	0.000	6601	0	9545.019	N.D.	#
5)	Heptachlor	6.698	0.000	20555	0	0.105	N.D.	#
6)	d-BHC	6.540	6.982f	5411	11837	0.028	0.100	#
7)	Aldrin	0.000	0.000	0	0	N.D.	N.D.	
8)	Heptachlo...	7.407	7.735f	3875508	5037	22.571	3530.569	#
9)	trans-Chl...	7.519	7.894	10400	2436465	0.056	22.159	#
10)	cis-Chlor...	7.617	8.040f	11195	13147	BelowCal	4425.522	
11)	Endosulfa...	7.721	8.040f	18560	13147	0.113	0.129	
12)	4,4'-DDE	7.658	8.118	6373572	3805013	34.573	33.778	
13)	Dieldrin	0.000	8.264	0	2490618	N.D.	22.231	#
14)	Endrin	8.086f	8.485	5559516	2349310	40.482	28.847	
15)	4,4'-DDD	8.086	8.530	5559516	3215608	38.762	36.606	
16)	Endosulfa...	8.189f	8.634	32137	8563	0.228	0.098	#
17)	4,4'-DDT	8.281	8.754	5353333	3018828	42.209	41.735	
18)	Endrin Al...	8.476f	0.000	11288	0	BelowCal	N.D.	
19)	Endosulfa...	8.839f	0.000	54732	0	0.420	N.D.	#
20)	Methoxychlor	0.000	0.000	0	0	N.D.	N.D.	
21)	Endrin Ke...	9.000	9.459	17062	17541	0.122	0.214	#
23)	Hexachlor...	3.275	3.510	14020	18644	2844.102	1294.009	#
24)	Hexachlor...	5.862	6.255	13867	3320	BelowCal	3052.593	
25)	Oxychlordane	0.000	7.735f	0	5037	N.D.	24475.461	#
26)	2,4'-DDE	7.407	7.894	3875508	2436465	34.386	34.084	
27)	trans-Non...	7.617f	0.000	11195	0	34192.549	N.D.	#
28)	2,4'-DDD	7.783	8.264	4068114	2490618	40.586	40.466	
29)	2,4'-DDT	7.964	8.485	4133778	2349310	43.086	41.739	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182121.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 18:15
Operator : MJB
Sample : 1012907-MSD1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:15:25 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

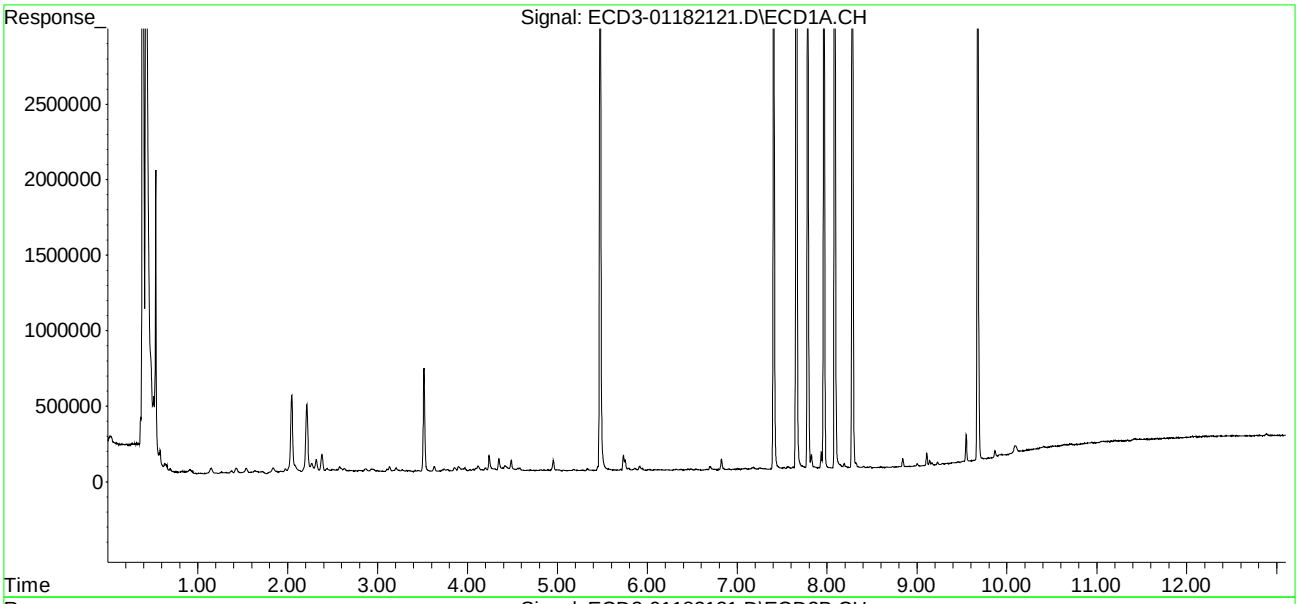
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.086	8.530	5559516	3215608	31.305	30.103	
31)	Mirex	8.726	9.459f	4968	17541	BelowCal	14371.805	
32)	Chlordane...	7.519f	0.000	10400	0	0.511	N.D.	#
33)	Chlordane...	7.617	8.040f	11195	13147	0.577	1.165	#
34)	Chlordane...	8.189	8.754f	32137	3018828	5.340	846.032	#
35)	Chlordane...	3.776	3.762	13277	22404	NoCal	NoCal	
36)	Toxaphene...	7.617	8.264f	11195	2490618	13.861	2014.134	#
37)	Toxaphene...	7.934	8.634	105314	8563	58.939	6.099	#
38)	Toxaphene...	0.000	8.666	0	7359	N.D.	3.667	#
39)	Toxaphene...	8.476	8.754	11288	3018828	3.207	906.931	#
40)	Toxaphene...	8.726f	0.000	4968	0	1.832	N.D.	#
41)	Toxaphene...	0.000	9.268	0	34884	N.D.	17.178	#
42)	Toxaphene...	3.776f	3.762	13277	22404	NoCal	NoCal	

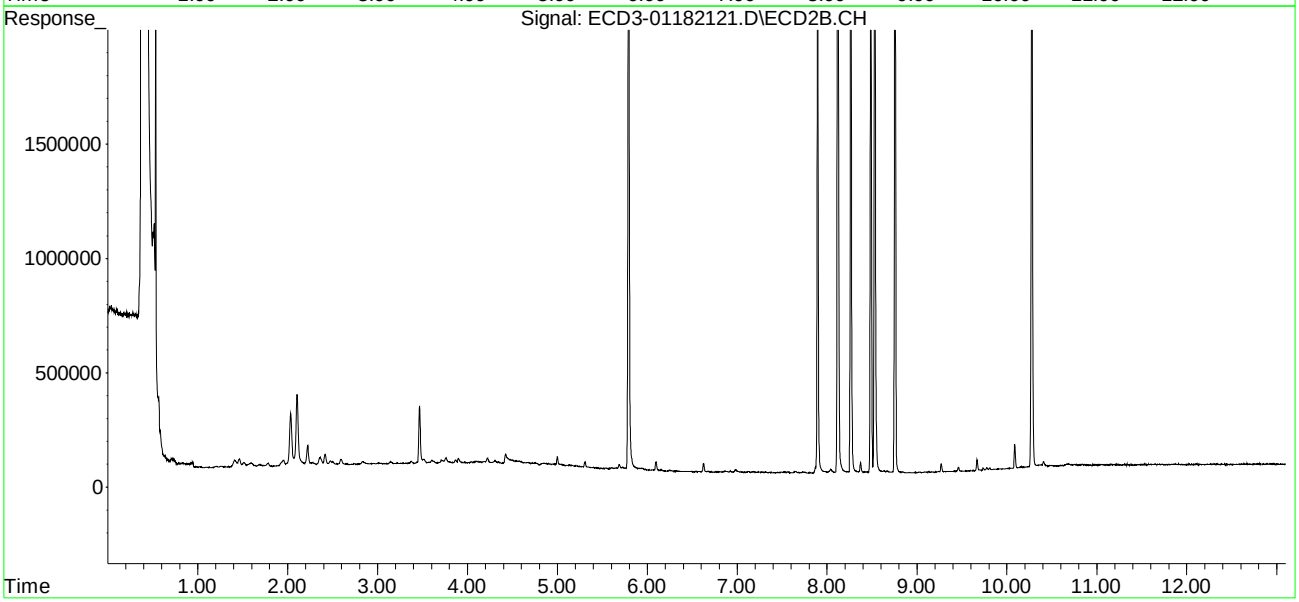
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182121.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 18:15
Operator : MJB
Sample : 1012907-MSD1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:15:25 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182122.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 18:32
Operator : MJB
Sample : 1A18049-CCV6 MJB 1/19/21
Misc : A20L217, AB 100 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:16:16 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.477	5.790	15345326	9299950	82.776	87.319	
22) S	DCBP (S)	9.676	10.277	10620735	5870955	98.035	99.384	
	Target Compounds							
2)	a-BHC	6.026	6.383	22226654	13330752	93.408	90.074	
3)	g-BHC	6.311	6.696	19171950	11381936	91.738	87.525	
4)	b-BHC	6.388	6.764	7555658	4795455	85.304	86.704	
5)	Heptachlor	6.707	7.069	18351425	10810889	93.829	88.858	
6)	d-BHC	6.540	7.011	17210463	10735033	88.116	90.908	
7)	Aldrin	6.948	7.330	18278181	11044135	90.188	88.377	
8)	Heptachlo...	7.416	7.764	16271674	9763884	95.405	92.345	
9)	trans-Chl...	7.508	7.905	16599029	9993987	88.938	92.345	
10)	cis-Chlor...	7.605	8.012	15788653	9695922	92.112	94.920	
11)	Endosulfa...	7.708	8.059	14781743	9072575	89.647	89.180	
12)	4,4'-DDE	7.659	8.119	16125039	9528449	87.468	84.587	
13)	Dieldrin	7.881	8.257	17205723	10225665	93.515	91.272	
14)	Endrin	8.049	8.478	13738793	7838271	100.039	96.245	
15)	4,4'-DDD	8.087	8.531	13558012	7902823	94.530	89.966	
16)	Endosulfa...	8.209	8.625	13055813	7965435	92.459	91.508	
17)	4,4'-DDT	8.282	8.755	12196546	6631371	96.165	91.678	
18)	Endrin Al...	8.504	8.860	11185416	6786085	94.763	97.218	
19)	Endosulfa...	8.808	9.054	12929135	7637370	99.173	102.949	
20)	Methoxychlor	8.613	9.220	5514182	3209086	92.053	89.425	
21)	Endrin Ke...	9.007	9.439	14271606	8195984	101.900	99.899	
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)	Hexachlor...	5.863	0.000	32531	0	BelowCal	N.D.	
25)	Oxychlordane	7.349	7.679	79448	6397	0.320	24475.446	#
26)	2,4'-DDE	7.416	7.905	16271674	9993987	147.976	141.877	
27)	trans-Non...	7.605	7.970	15788653	35969	94.793	0.104	#
28)	2,4'-DDD	7.794	8.257	39660	10225665	0.204	166.665	#
29)	2,4'-DDT	7.963	8.478	50840	7838271	0.357	129.405	#

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182122.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 18:32
Operator : MJB
Sample : 1A18049-CCV6
Misc : A20L217, AB 100 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:16:16 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

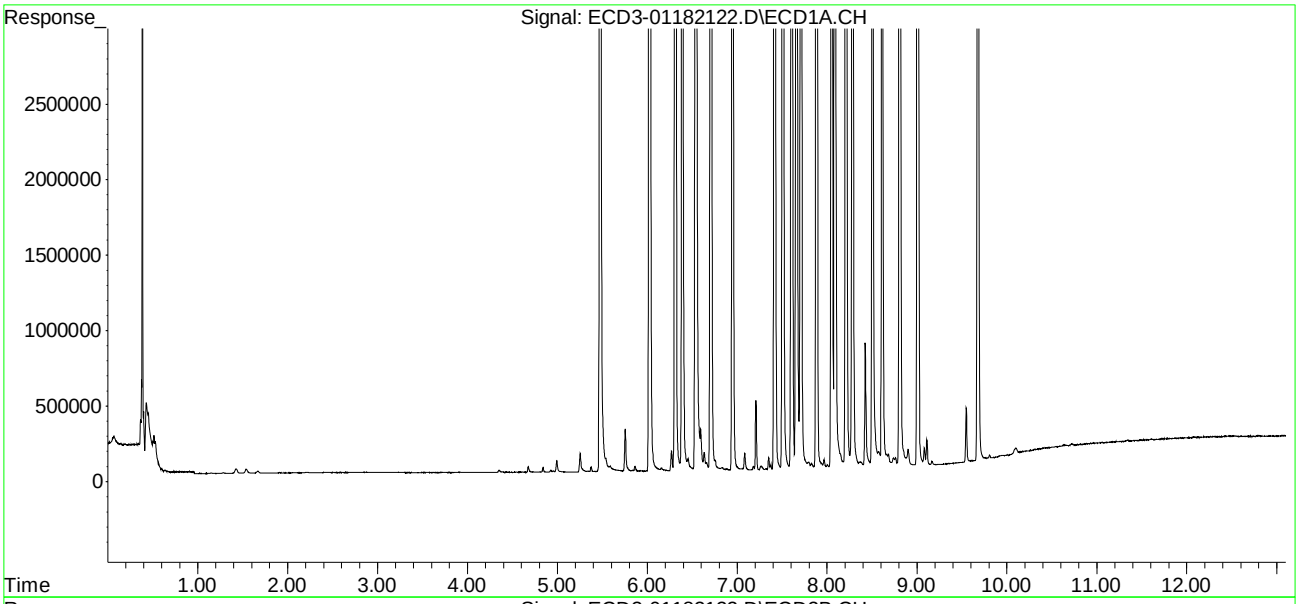
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.087	8.531	13558012	7902823	75.758	73.950	
31)	Mirex	8.736	9.439	47894	8195984	0.098	132.240	#
32)	Chlordane...	7.508f	7.970	16599029	35969	815.147	2.690	#
33)	Chlordane...	7.659f	8.059	16125039	9072575	831.246	804.298	
34)	Chlordane...	8.209	8.707	13055813	40525	2169.234	11.357	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.605	8.257f	15788653	10225665	19548.799	8269.379	#
37)	Toxaphene...	7.936	8.625	29123	7965435	14.526	5672.663	#
38)	Toxaphene...	8.209f	8.707f	13055813	40525	3849.216	20.196	#
39)	Toxaphene...	8.504f	8.755	11185416	6631371	3177.526	1992.229	
40)	Toxaphene...	8.682f	8.935f	73983	610508	27.284	312.803	#
41)	Toxaphene...	8.759	9.280	49532	7579	15.707	3.732	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

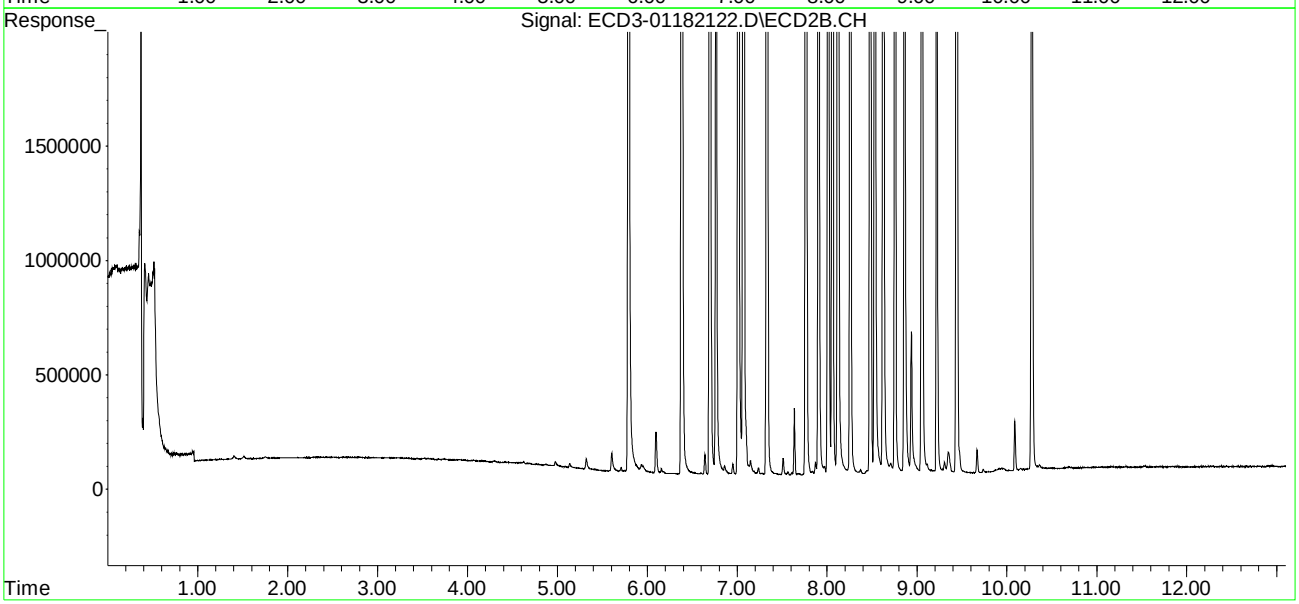
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182122.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 18:32
Operator : MJB
Sample : 1A18049-CCV6
Misc : A20L217, AB 100 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:16:16 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182123.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 18:49
Operator : MJB
Sample : 1A18049-CCV7 MJB 1/19/21
Misc : A21A188, 9-42 100 ppb
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:17:22 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.448f	5.826f	130571	75406	0.704	0.529	
22) S	DCBP (S)	9.680	10.277	4308	3226	4158.027	2751.253	
	Target Compounds							
2)	a-BHC	6.016	6.417f	14027	8030	0.059	0.054	
3)	g-BHC	6.272f	0.000	6996	0	0.033	N.D.	#
4)	b-BHC	0.000	0.000	0	0	N.D.	N.D.	
5)	Heptachlor	6.708	7.069	47881	28938	0.245	0.238	
6)	d-BHC	0.000	0.000	0	0	N.D.	N.D.	
7)	Aldrin	0.000	7.326	0	3781	N.D.	0.030	#
8)	Heptachlo...	7.408	7.803f	10205145	51479	59.731	0.343	#
9)	trans-Chl...	7.506	7.895	46149	6658645	0.247	61.187	#
10)	cis-Chlor...	7.592	0.000	17031674	0	99.281	N.D.	#
11)	Endosulfa...	7.689f	8.059	42985	8944	0.261	0.088	#
12)	4,4'-DDE	7.689f	0.000	42985	0	0.233	N.D.	#
13)	Dieldrin	7.857f	8.265	107694	5809238	0.585	51.852	#
14)	Endrin	8.068	8.485	17805740	5765796	129.652	70.798	#
15)	4,4'-DDD	8.068	8.528	17805740	10559462	124.146	120.209	
16)	Endosulfa...	8.218	0.000	15752	0	0.112	N.D.	#
17)	4,4'-DDT	8.258f	8.740	13358	3583	0.105	0.050	#
18)	Endrin Al...	8.500	8.870	26940	12280	BelowCal	BelowCal	
19)	Endosulfa...	8.838f	0.000	55177	0	0.423	N.D.	#
20)	Methoxychlor	0.000	0.000	0	0	N.D.	N.D.	
21)	Endrin Ke...	0.000	9.429	0	6393347	N.D.	77.927	#
23)	Hexachlor...	3.278	3.508	18143714	13118689	108.582	117.868	
24)	Hexachlor...	5.862	6.252	15397095	9550983	90.152	91.892	
25)	Oxychlordane	7.339	7.696	15195925	9096674	103.833	100.857	
26)	2,4'-DDE	7.408	7.895	10205145	6658645	91.812	94.047	
27)	trans-Non...	7.592	7.972	17031674	9867079	102.295	97.923	
28)	2,4'-DDD	7.786	8.265	9573727	5809238	95.162	94.663	
29)	2,4'-DDT	7.965	8.485	9798755	5765796	98.377	97.760	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182123.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 18:49
Operator : MJB
Sample : 1A18049-CCV7
Misc : A21A188, 9-42 100 ppb
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:17:22 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

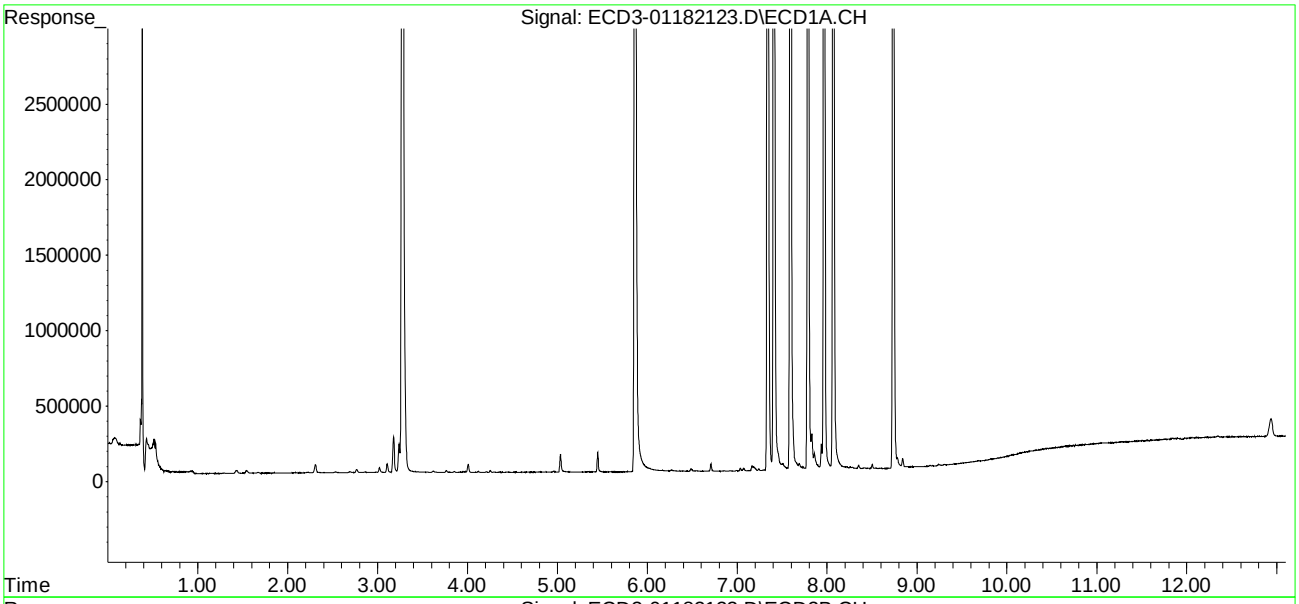
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.068	8.528	17805740	10559462	98.965	98.595	
31)	Mirex	8.735	9.429	11006537	6393347	104.134	102.861	
32)	Chlordane...	7.506f	7.972	46149	9867079	2.266	737.830	#
33)	Chlordane...	0.000	8.059	0	8944	N.D.	0.793	#
34)	Chlordane...	8.218f	8.740f	15752	3583	2.617	1.004	#
35)	Chlordane...	3.765f	0.000	12582	0	NoCal	N.D.	
36)	Toxaphene...	7.592f	8.265f	17031674	5809238	21087.853	4697.865	#
37)	Toxaphene...	7.936	0.000	167475	0	95.288	N.D.	#
38)	Toxaphene...	8.218	0.000	15752	0	4.644	N.D.	#
39)	Toxaphene...	8.500f	8.740	26940	3583	7.653	1.076	#
40)	Toxaphene...	8.735f	0.000	11006537	0	4059.139	N.D.	#
41)	Toxaphene...	8.781	9.317f	64667	19351	20.507	9.529	#
42)	Toxaphene...	3.765f	0.000	12582	0	NoCal	N.D.	

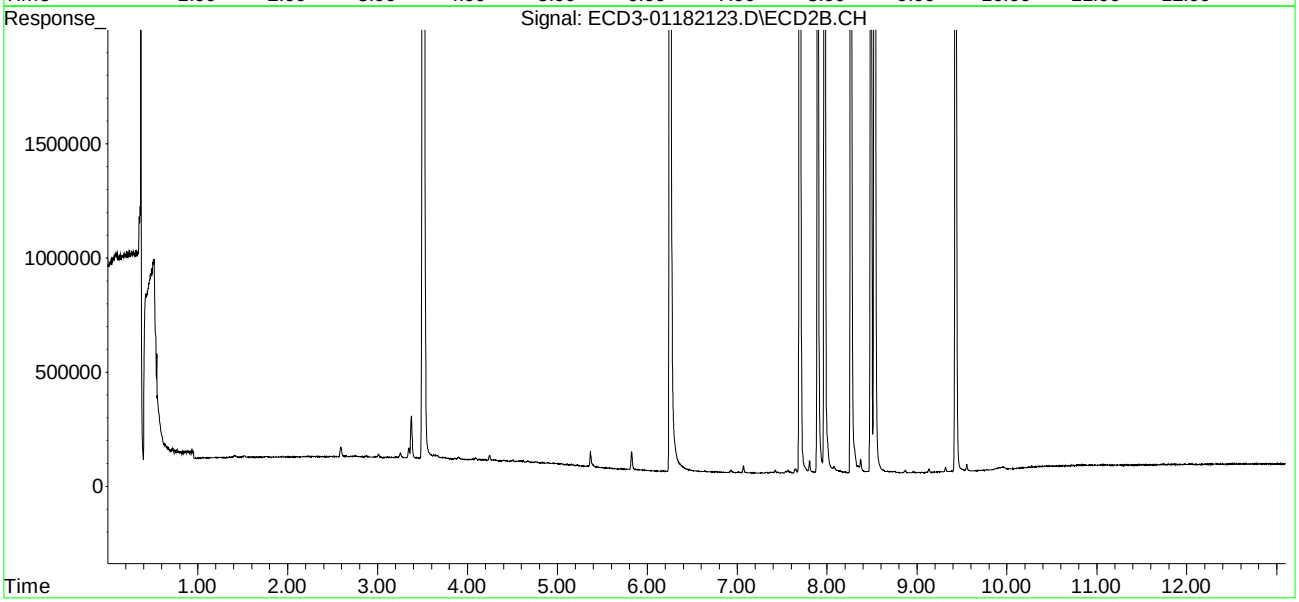
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182123.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 18:49
Operator : MJB
Sample : 1A18049-CCV7
Misc : A21A188, 9-42 100 ppb
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:17:22 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182124.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 19:06
Operator : MJB
Sample : 1A18049-CCB2
Misc : A20L446
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 1/19/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:18:18 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.477	5.790	14514017	8425068	78.292	78.894	
22) S	DCBP (S)	9.677	10.276	10183390	5640885	93.894	95.336	
	Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)	g-BHC	0.000	0.000	0	0	N.D.	N.D.	
4)	b-BHC	0.000	0.000	0	0	N.D.	N.D.	
5)	Heptachlor	0.000	0.000	0	0	N.D.	N.D.	
6)	d-BHC	0.000	0.000	0	0	N.D.	N.D.	
7)	Aldrin	0.000	7.367f	0	22162	N.D.	0.177	#
8)	Heptachlo...	0.000	0.000	0	0	N.D.	N.D.	
9)	trans-Chl...	7.495	0.000	29370	0	0.157	N.D.	#
10)	cis-Chlor...	7.632f	0.000	1838	0	BelowCal	N.D.	
11)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
12)	4,4'-DDE	7.632f	0.000	1838	0	0.010	N.D.	#
13)	Dieldrin	0.000	0.000	0	0	N.D.	N.D.	
14)	Endrin	0.000	0.000	0	0	N.D.	N.D.	
15)	4,4'-DDD	0.000	0.000	0	0	N.D.	N.D.	
16)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
17)	4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	
18)	Endrin Al...	8.511	0.000	4458	0	BelowCal	N.D.	
19)	Endosulfa...	0.000	9.038	0	3529	N.D.	0.048	#
20)	Methoxychlor	8.620	0.000	5485	0	BelowCal	N.D.	
21)	Endrin Ke...	0.000	9.438	0	1095	N.D.	0.013	#
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)	Hexachlor...	5.863	0.000	24056	0	BelowCal	N.D.	
25)	Oxychlordane	0.000	0.000	0	0	N.D.	N.D.	
26)	2,4'-DDE	0.000	0.000	0	0	N.D.	N.D.	
27)	trans-Non...	7.632f	0.000	1838	0	34192.605	N.D.	#
28)	2,4'-DDD	0.000	0.000	0	0	N.D.	N.D.	
29)	2,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182124.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 19:06
Operator : MJB
Sample : 1A18049-CCB2
Misc : A20L446
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:18:18 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

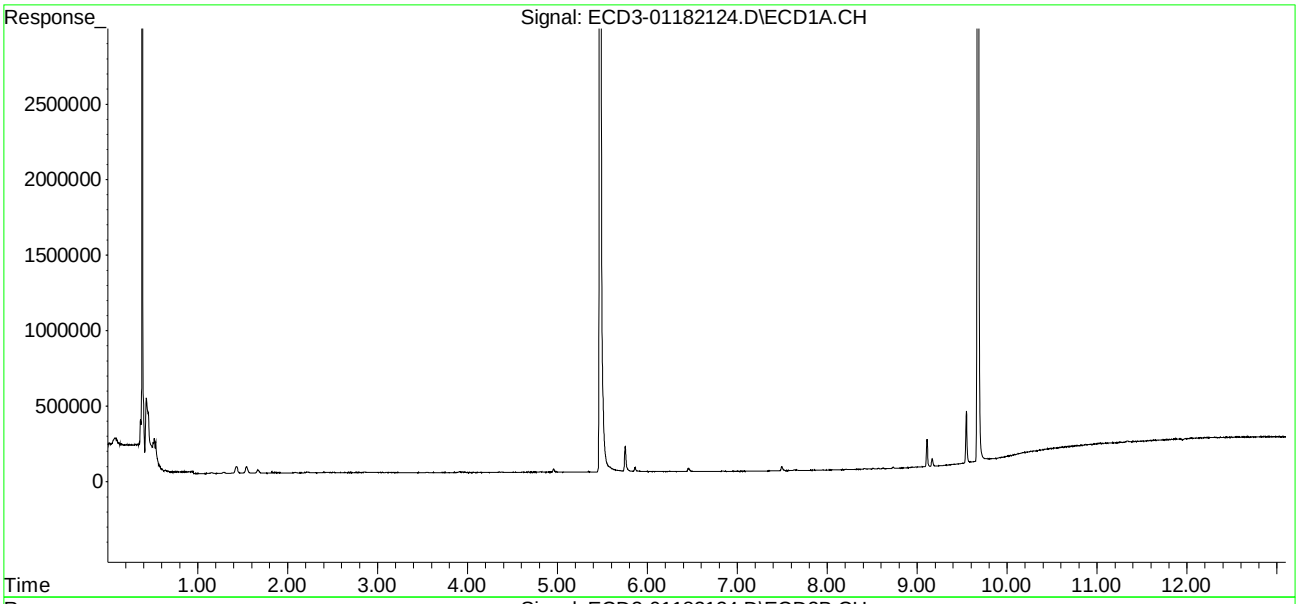
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	0.000	0.000	0	0	N.D.	N.D.	
31)	Mirex	8.732	9.438	8682	1095	BelowCal	14372.069	
32)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
33)	Chlordane...	7.632	0.000	1838	0	0.095	N.D.	#
34)	Chlordane...	0.000	8.677f	0	1394	N.D.	0.391	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.632	0.000	1838	0	2.276	N.D.	#
37)	Toxaphene...	0.000	8.677f	0	1394	N.D.	0.993	#
38)	Toxaphene...	0.000	8.677	0	1394	N.D.	0.695	#
39)	Toxaphene...	8.511f	0.000	4458	0	1.266	N.D.	#
40)	Toxaphene...	8.732f	0.000	8682	0	3.202	N.D.	#
41)	Toxaphene...	0.000	9.304	0	5491	N.D.	2.704	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

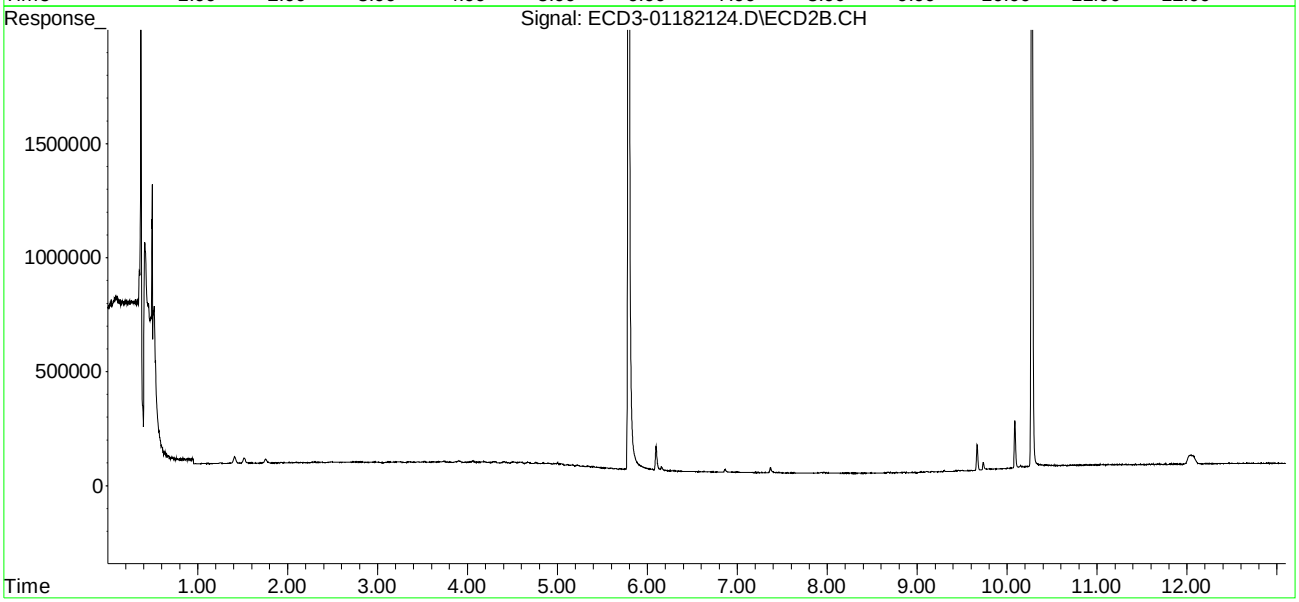
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182124.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 19:06
Operator : MJB
Sample : 1A18049-CCB2
Misc : A20L446
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:18:18 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182125.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 19:23
Operator : MJB
Sample : A0K0482-04RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:19:24 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.477	5.790	4343518	2813333	23.430	25.833	
22) S	DCBP (S)	9.675	10.276	5390079	2983573	49.069	49.470	
	Target Compounds							
2)	a-BHC	6.012	0.000	6591	0	0.028	N.D.	#
3)	g-BHC	6.321	6.672f	5332	7058	0.026	0.054	#
4)	b-BHC	6.375	0.000	5492	0	9545.031	N.D.	#
5)	Heptachlor	6.695	0.000	19861	0	0.102	N.D.	#
6)	d-BHC	6.540	6.980f	10783	12713	0.055	0.108	#
7)	Aldrin	0.000	0.000	0	0	N.D.	N.D.	
8)	Heptachlo...	7.408	7.737f	12114	15437	44970.998	0.011	#
9)	trans-Chl...	7.511	7.913	12213	9536	0.065	6778.169	#
10)	cis-Chlor...	7.616	8.039f	8601	21530	BelowCal	0.042	
11)	Endosulfa...	0.000	8.039f	0	21530	N.D.	0.212	#
12)	4,4'-DDE	7.645	8.117	28406	4252	0.154	0.038	#
13)	Dieldrin	0.000	8.265	0	4862	N.D.	0.043	#
14)	Endrin	0.000	0.000	0	0	N.D.	N.D.	
15)	4,4'-DDD	8.097	8.532	10059	5004	0.070	0.057	
16)	Endosulfa...	8.189f	8.628	38901	4854	0.275	0.056	#
17)	4,4'-DDT	8.320f	8.759	29599	5541	0.233	0.077	#
18)	Endrin Al...	8.481f	8.835f	13164	2989	BelowCal	BelowCal	
19)	Endosulfa...	8.808	9.083f	3883	3077	0.030	0.041	
20)	Methoxychlor	8.611	9.220	11724	7003	0.053	0.048	
21)	Endrin Ke...	9.001	9.458	19421	15997	0.139	0.195	#
23)	Hexachlor...	3.274	3.507	11426	14298	2844.117	1294.044	#
24)	Hexachlor...	5.861	6.258	15494	40992	BelowCal	0.122	
25)	Oxychlordane	0.000	7.737f	0	15437	N.D.	24475.345	#
26)	2,4'-DDE	7.408	7.889	12114	7959	5794.766	11271.795	#
27)	trans-Non...	7.616f	0.000	8601	0	34192.565	N.D.	#
28)	2,4'-DDD	0.000	8.265	0	4862	N.D.	BelowCal	
29)	2,4'-DDT	7.972	0.000	5107	0	BelowCal	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182125.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 19:23
Operator : MJB
Sample : A0K0482-04RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:19:24 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

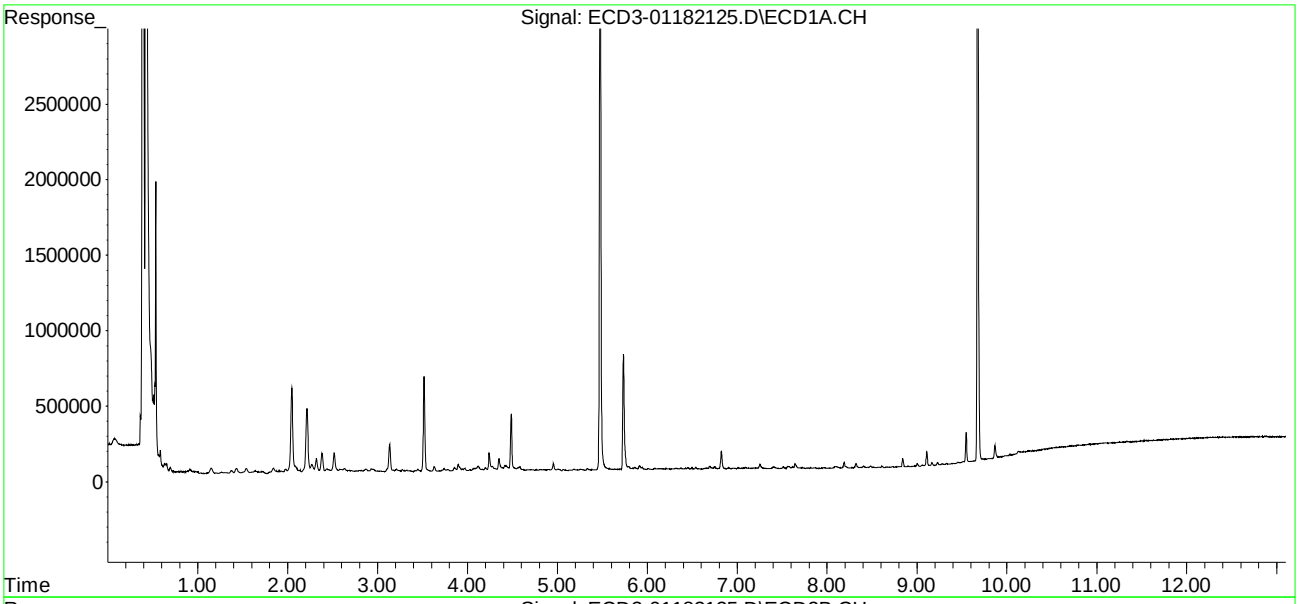
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.097f	8.532	10059	5004	BelowCal	BelowCal	
31)	Mirex	8.730	9.458f	5978	15997	BelowCal	14371.830	
32)	Chlordane...	7.566f	0.000	14175	0	0.696	N.D.	#
33)	Chlordane...	7.645	8.039f	28406	21530	1.464	1.909	
34)	Chlordane...	8.189	0.000	38901	0	6.464	N.D.	#
35)	Chlordane...	3.777	3.763	8896	19869	NoCal	NoCal	
36)	Toxaphene...	7.616	8.265f	8601	4862	10.649	3.931	#
37)	Toxaphene...	0.000	8.628	0	4854	N.D.	3.457	#
38)	Toxaphene...	0.000	8.667	0	8323	N.D.	4.148	#
39)	Toxaphene...	8.481	8.759f	13164	5541	3.739	1.665	#
40)	Toxaphene...	8.730f	0.000	5978	0	2.205	N.D.	#
41)	Toxaphene...	8.767	9.303	3175	3102	1.007	1.528	#
42)	Toxaphene...	3.777f	3.763	8896	19869	NoCal	NoCal	

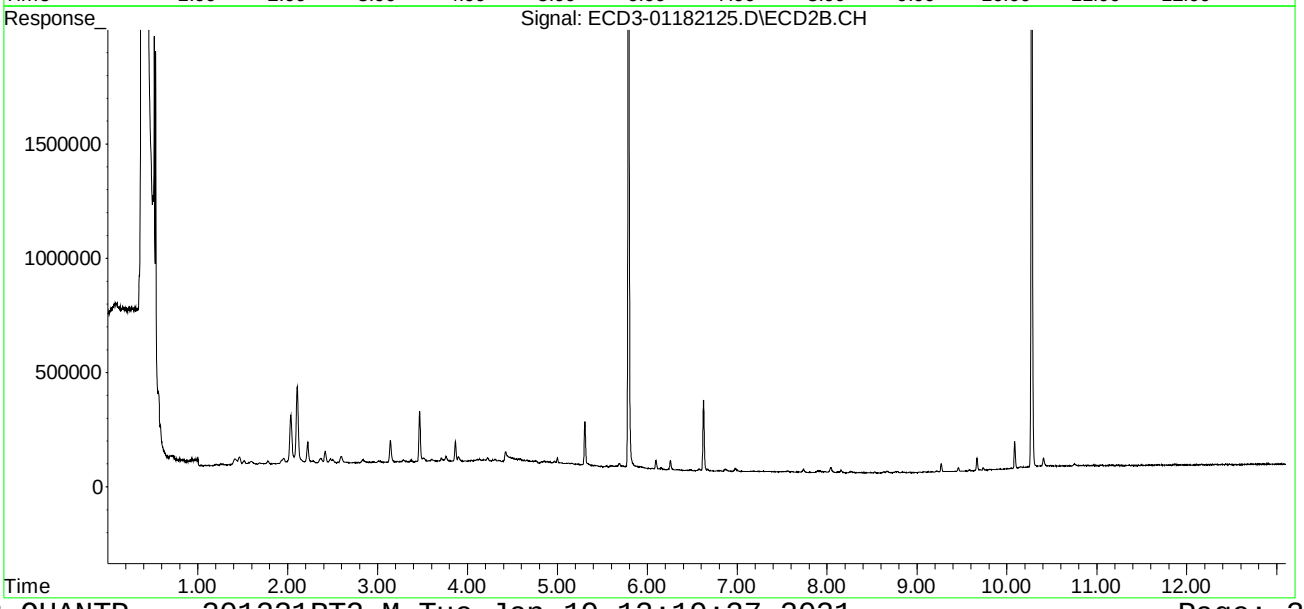
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182125.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 19:23
Operator : MJB
Sample : A0K0482-04RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:19:24 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

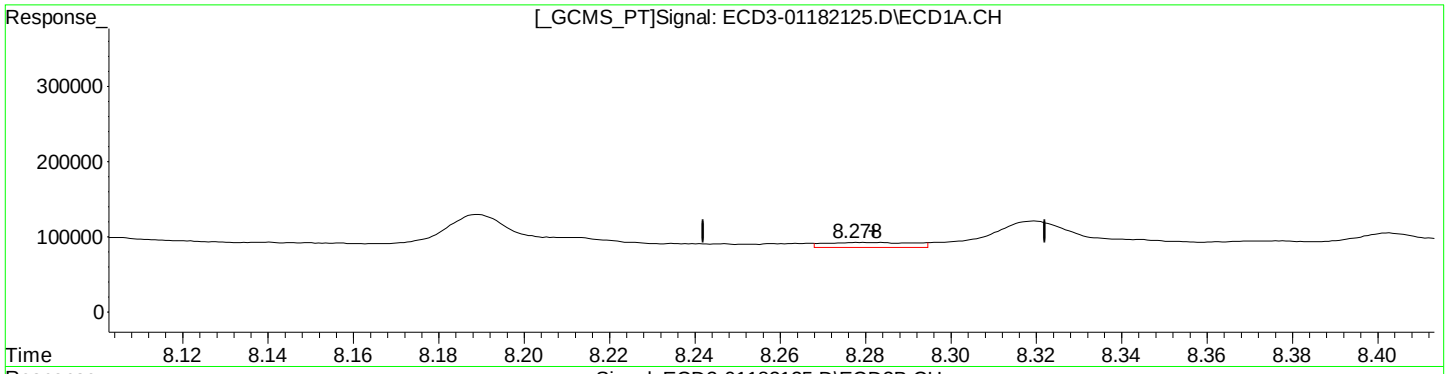


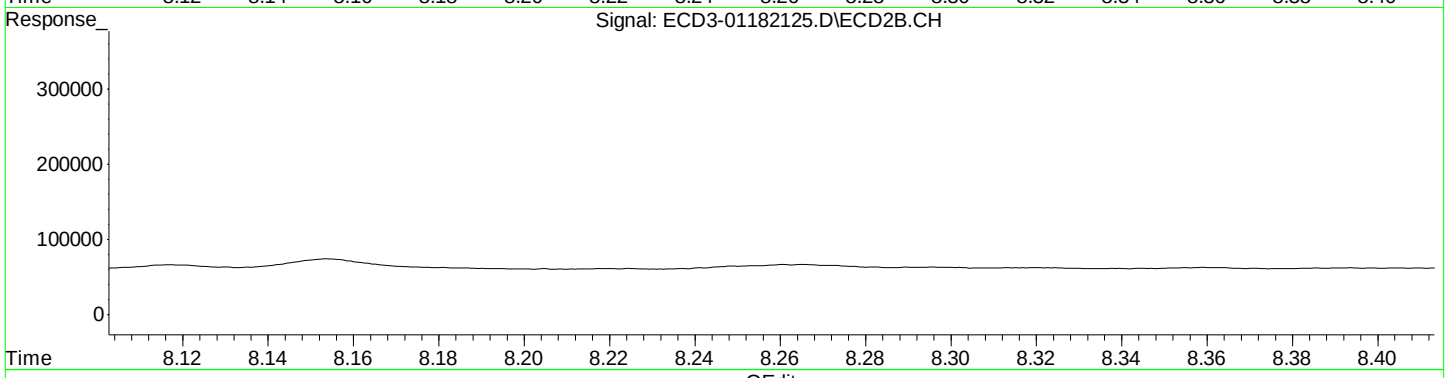


Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182125.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 19:23
Operator : MJB
Sample : A0K0482-04RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:19:24 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





QEdit

(17) 4,4'-DDT
8.278min 0.056 ng/mL m
response 7121

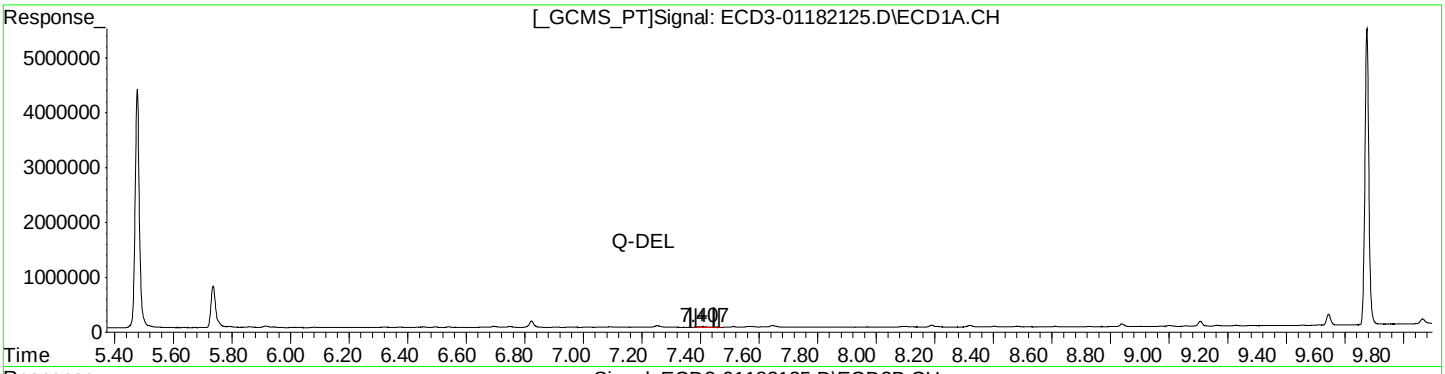
(17) 4,4'-DDT #2
8.759min 0.077 ng/mL
response 5541

(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182125.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 19:23
Operator : MJB
Sample : A0K0482-04RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:19:24 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



QEdit

(26) 2,4'-DDE
~~7.408min 5794.766 ng/mL~~
response ~~12114~~

(26) 2,4'-DDE #2
~~7.889min 11271.795 ng/mL~~
response ~~7959~~

(+) = Expected Retention Time
ECD3_QUANTP..._201221RT2.M Tue Jan 19 13:20:14 2021 Page: 1

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182125.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 19:23
Operator : MJB
Sample : A0K0482-04RE1 MJB 1/19/21
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:20:16 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	5.477	5.790	4343518	2813333	23.430	25.833
22) S	DCBP (S)	9.675	10.276	5390079	2983573	49.069	49.470
	Target Compounds						
2)	a-BHC	6.012	0.000	6591	0	0.028	N.D. #
3)	g-BHC	6.321	6.672f	5332	7058	0.026	0.054 #
4)	b-BHC	6.375	0.000	5492	0	9545.031	N.D. #
5)	Heptachlor	6.695	0.000	19861	0	0.102	N.D. #
6)	d-BHC	6.540	6.980f	10783	12713	0.055	0.108 #
7)	Aldrin	0.000	0.000	0	0	N.D.	N.D.
8)	Heptachlo...	7.408	7.737f	12114	15437	44970.998	0.011 #
9)	trans-Chl...	7.511	7.913	12213	9536	0.065	6778.169 #
10)	cis-Chlor...	7.616	8.039f	8601	21530	BelowCal	0.042
11)	Endosulfa...	0.000	8.039f	0	21530	N.D.	0.212 #
12)	4,4'-DDE	7.645	8.117	28406	4252	0.154	0.038 #
13)	Dieldrin	0.000	8.265	0	4862	N.D.	0.043 #
14)	Endrin	0.000	0.000	0	0	N.D.	N.D.
15)	4,4'-DDD	8.097	8.532	10059	5004	0.070	0.057
16)	Endosulfa...	8.189f	8.628	38901	4854	0.275	0.056 #
17)	4,4'-DDT	8.278	8.759	7121	5541	0.056m	0.077
18)	Endrin Al...	8.481f	8.835f	13164	2989	BelowCal	BelowCal
19)	Endosulfa...	8.808	9.083f	3883	3077	0.030	0.041
20)	Methoxychlor	8.611	9.220	11724	7003	0.053	0.048
21)	Endrin Ke...	9.001	9.458	19421	15997	0.139	0.195 #
23)	Hexachlor...	3.274	3.507	11426	14298	2844.117	1294.044 #
24)	Hexachlor...	5.861	6.258	15494	40992	BelowCal	0.122
25)	Oxychlordane	0.000	7.737f	0	15437	N.D.	24475.345 #
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	7.616f	0.000	8601	0	34192.565	N.D. #
28)	2,4'-DDD	0.000	8.265	0	4862	N.D.	BelowCal
29)	2,4'-DDT	7.972	0.000	5107	0	BelowCal	N.D.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182125.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 19:23
Operator : MJB
Sample : A0K0482-04RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:20:16 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

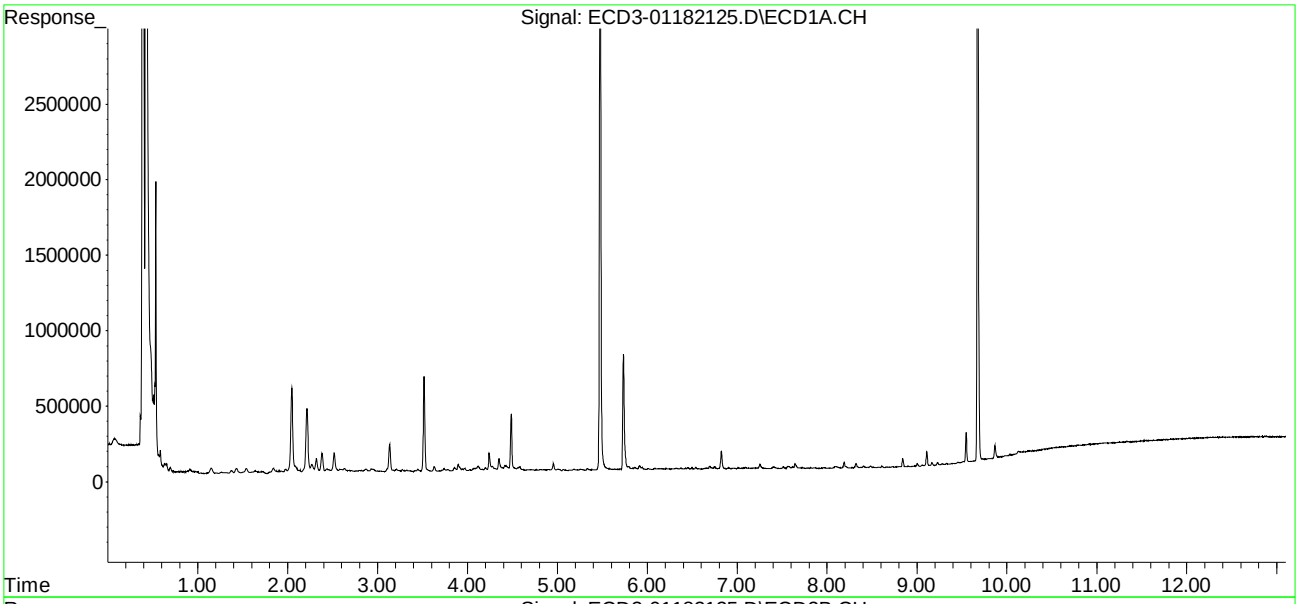
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.097f	8.532	10059	5004	BelowCal	BelowCal	
31)	Mirex	8.730	9.458f	5978	15997	BelowCal	14371.830	
32)	Chlordane...	7.566f	0.000	14175	0	0.696	N.D.	#
33)	Chlordane...	7.645	8.039f	28406	21530	1.464	1.909	
34)	Chlordane...	8.189	0.000	38901	0	6.464	N.D.	#
35)	Chlordane...	3.777	3.763	8896	19869	NoCal	NoCal	
36)	Toxaphene...	7.616	8.265f	8601	4862	10.649	3.931	#
37)	Toxaphene...	0.000	8.628	0	4854	N.D.	3.457	#
38)	Toxaphene...	0.000	8.667	0	8323	N.D.	4.148	#
39)	Toxaphene...	8.481	8.759f	13164	5541	3.739	1.665	#
40)	Toxaphene...	8.730f	0.000	5978	0	2.205	N.D.	#
41)	Toxaphene...	8.767	9.303	3175	3102	1.007	1.528	#
42)	Toxaphene...	3.777f	3.763	8896	19869	NoCal	NoCal	

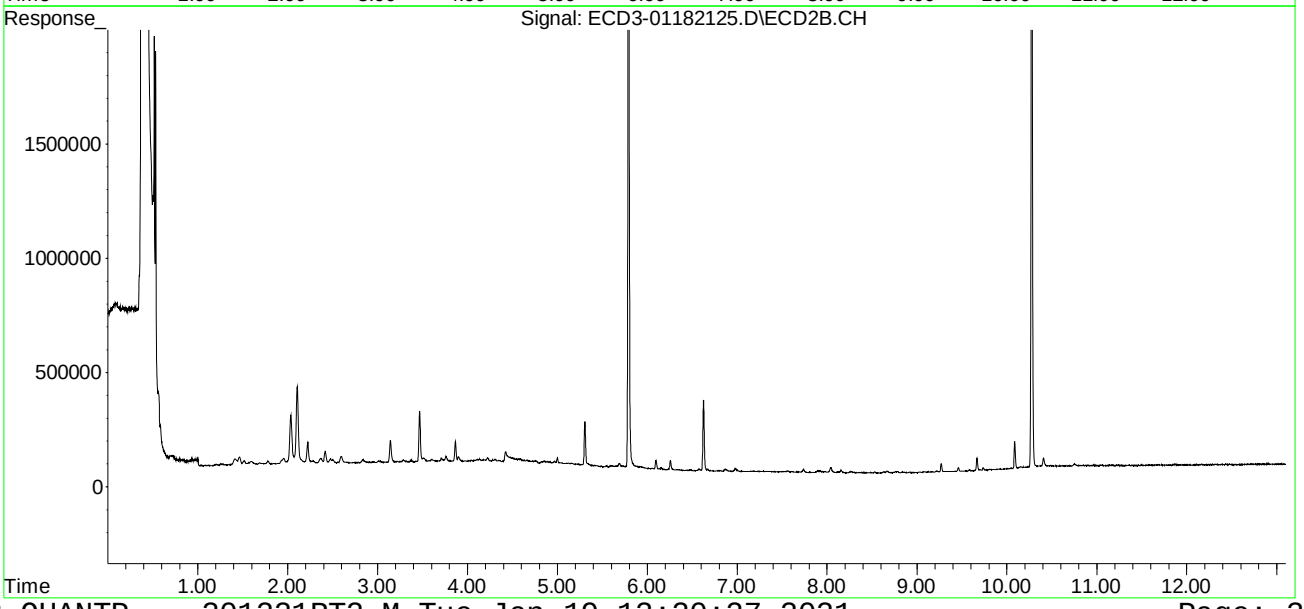
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182125.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 19:23
Operator : MJB
Sample : A0K0482-04RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:20:16 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182126.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 19:40
Operator : MJB
Sample : A0K0482-05RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:22:18 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.476	5.790	5117018	3311549	27.602	30.477	
22) S	DCBP (S)	9.675	10.275	4992169	2828369	45.392	46.841	
	Target Compounds							
2)	a-BHC	6.010	0.000	7403	0	0.031	N.D.	#
3)	g-BHC	6.317	6.670f	7394	9311	0.035	0.072	#
4)	b-BHC	6.398	0.000	8110	0	9545.002	N.D.	#
5)	Heptachlor	6.692	0.000	21046	0	0.108	N.D.	#
6)	d-BHC	6.538	6.977f	13180	13758	0.067	0.117	#
7)	Aldrin	6.950	0.000	2916	0	0.014	N.D.	#
8)	Heptachlo...	7.405	0.000	11692	0	44971.001	N.D.	#
9)	trans-Chl...	0.000	7.912	0	8449	N.D.	6778.179	#
10)	cis-Chlor...	7.614	8.036f	9650	33320	BelowCal	0.156	
11)	Endosulfa...	7.721	8.036f	6258	33320	0.038	0.328	#
12)	4,4'-DDE	7.644	8.114	41463	6468	0.225	0.057	#
13)	Dieldrin	0.000	8.247	0	37084	N.D.	0.331	#
14)	Endrin	0.000	0.000	0	0	N.D.	N.D.	
15)	4,4'-DDD	8.092	8.528	89718	8977	0.626	0.102	#
16)	Endosulfa...	8.208	8.625	10362	8480	0.073	0.097	
17)	4,4'-DDT	8.318f	8.758	37880	6928	0.299	0.096	#
18)	Endrin Al...	8.512	8.836f	9771	4136	BelowCal	BelowCal	
19)	Endosulfa...	8.806	9.077f	6643	6149	0.051	0.083	#
20)	Methoxychlor	8.607	9.218	9822	3958	0.021	BelowCal	#
21)	Endrin Ke...	9.000	9.456	28979	25488	0.207	0.311	#
23)	Hexachlor...	3.276	3.508	12142	22363	2844.113	1293.978	#
24)	Hexachlor...	5.859	6.258	14620	143338	BelowCal	1.080	
25)	Oxychlordane	7.305f	7.680	10439	6958	BelowCal	24475.439	
26)	2,4'-DDE	7.405	7.887	11692	9293	5794.769	11271.777	#
27)	trans-Non...	7.614f	7.973	9650	7604	34192.558	74602.237	#
28)	2,4'-DDD	7.780	8.247	5403	37084	BelowCal	0.345	
29)	2,4'-DDT	7.963	0.000	6189	0	BelowCal	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182126.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 19:40
Operator : MJB
Sample : A0K0482-05RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:22:18 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

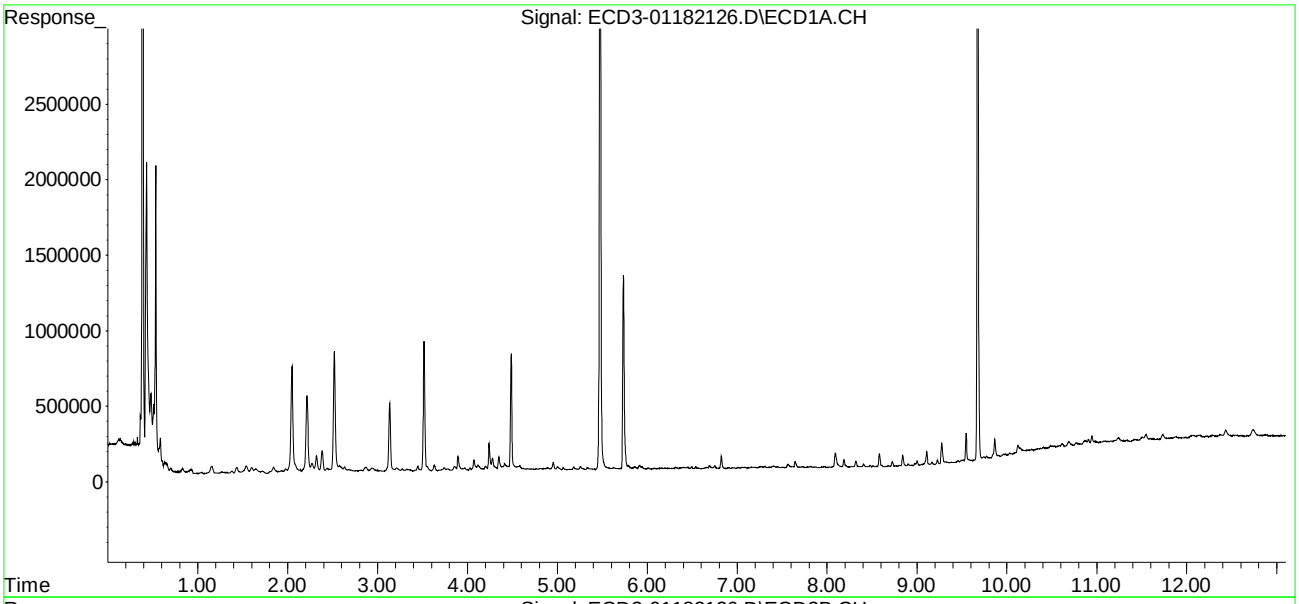
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.092f	8.528	89718	8977	0.309	BelowCal	#
31)	Mirex	8.724	9.456f	32039	25488	BelowCal	0.043	
32)	Chlordane...	7.564f	7.973	22168	7604	1.089	0.569	#
33)	Chlordane...	7.644	8.036f	41463	33320	2.137	2.954	
34)	Chlordane...	8.187	0.000	47203	0	7.843	N.D.	#
35)	Chlordane...	3.779	3.762	9288	29615	NoCal	NoCal	
36)	Toxaphene...	7.614	8.311f	9650	3695	11.948	2.988	#
37)	Toxaphene...	0.000	8.625	0	8480	N.D.	6.039	#
38)	Toxaphene...	8.208f	8.666	10362	8166	3.055	4.070	
39)	Toxaphene...	8.478	8.758f	11614	6928	3.299	2.081	
40)	Toxaphene...	8.724	0.000	32039	0	11.816	N.D.	#
41)	Toxaphene...	8.765	9.305	4492	3286	1.424	1.618	
42)	Toxaphene...	3.779	3.762	9288	29615	NoCal	NoCal	

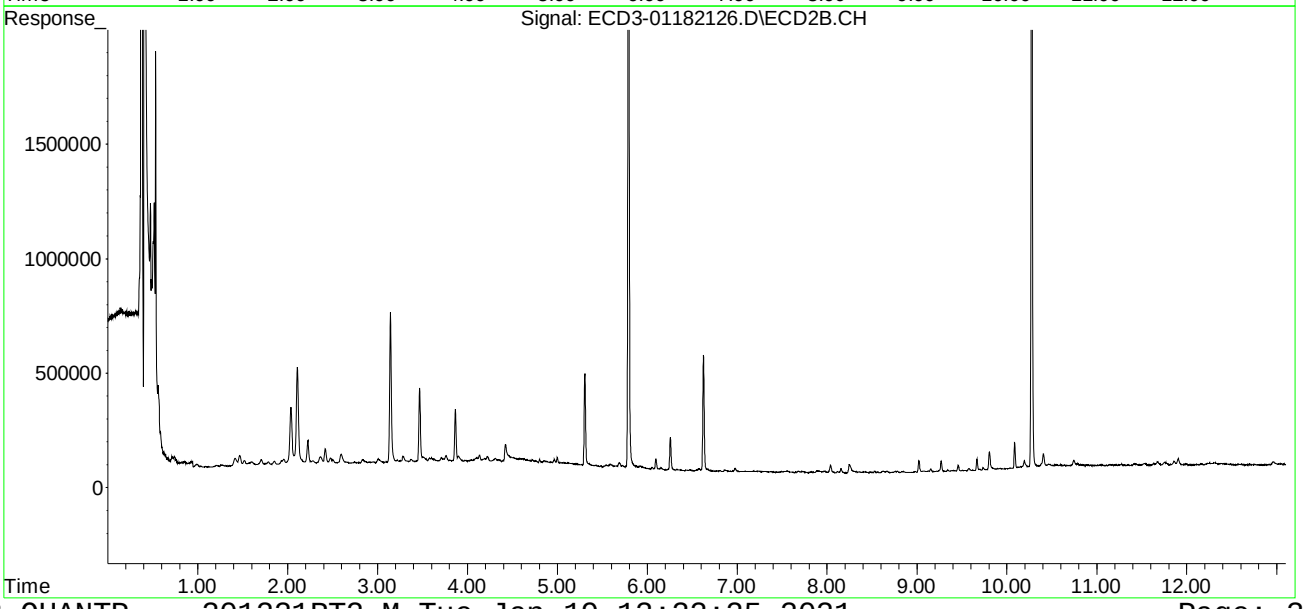
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182126.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 19:40
Operator : MJB
Sample : A0K0482-05RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:22:18 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

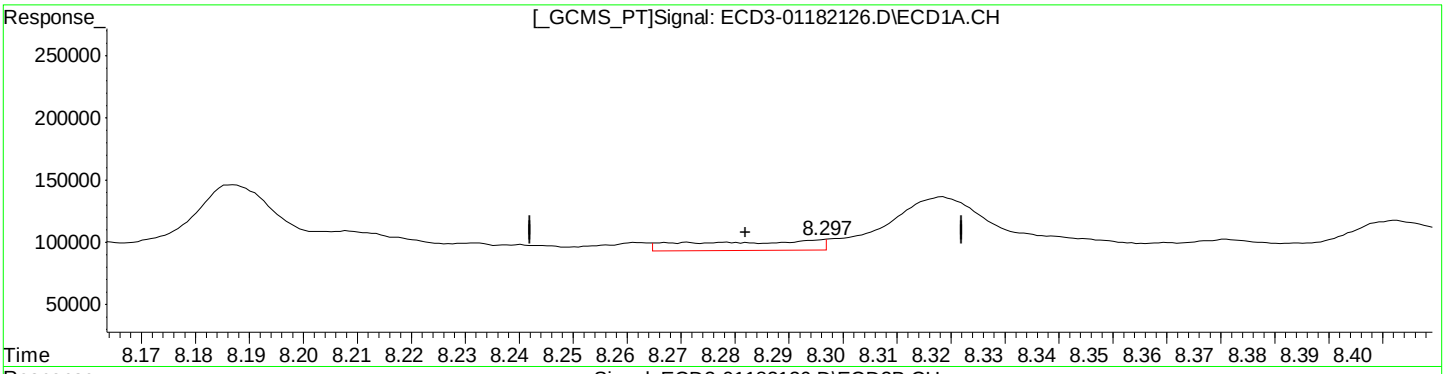


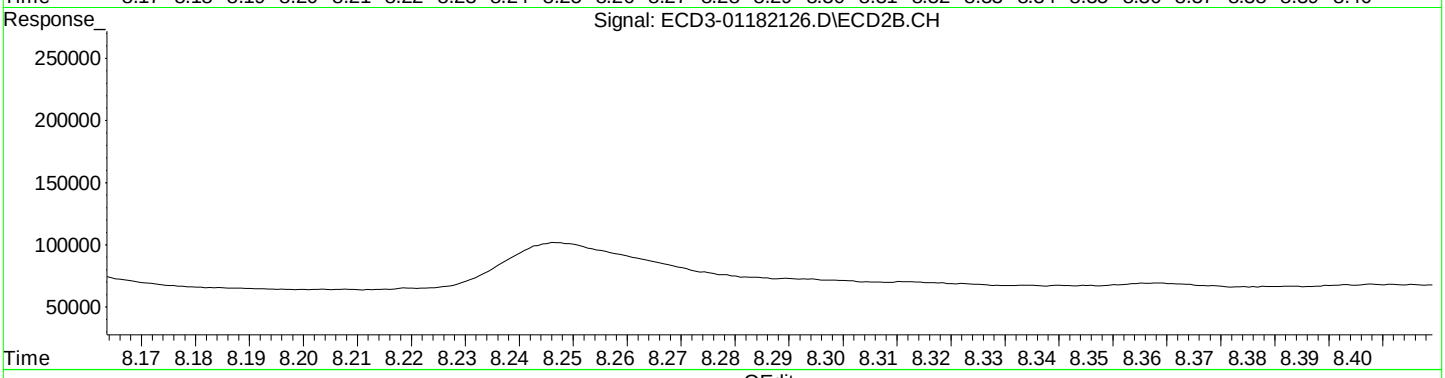


Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182126.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 19:40
Operator : MJB
Sample : A0K0482-05RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:22:18 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





QEdit

(17) 4,4'-DDT
8.297min 0.069 ng/mL m
response 8695

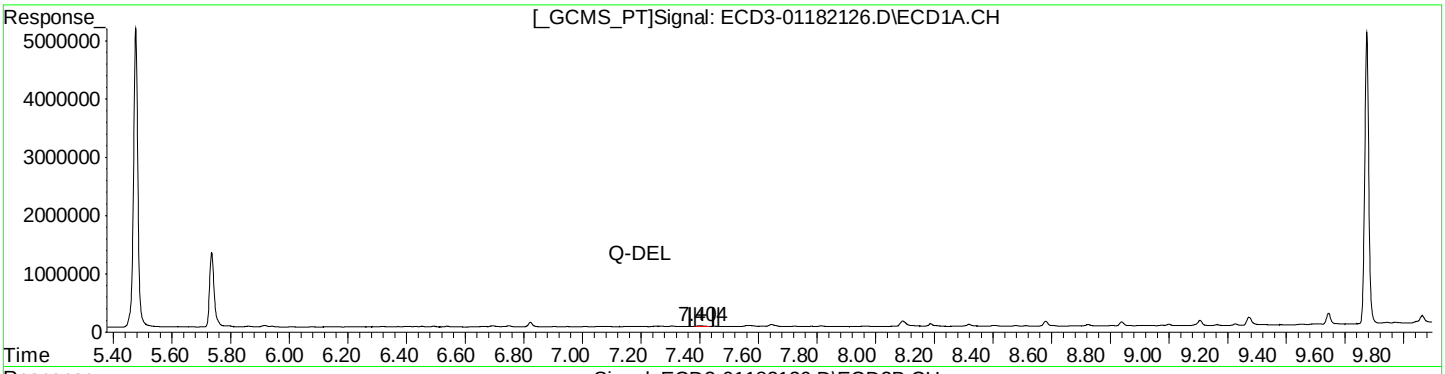
(17) 4,4'-DDT #2
8.758min 0.096 ng/mL
response 6928

(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182126.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 19:40
Operator : MJB
Sample : A0K0482-05RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:22:18 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(26) 2,4'-DDE
~~7.405min 5794.769 ng/mL~~
response ~~11692~~

(26) 2,4'-DDE #2
~~7.887min 11271.777 ng/mL~~
response ~~9293~~

(+) = Expected Retention Time
ECD3_QUANTP..._201221RT2.M Tue Jan 19 13:23:06 2021 Page: 1

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182126.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 19:40
Operator : MJB
Sample : A0K0482-05RE1 MJB 1/19/21
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:23:08 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.476	5.790	5117018	3311549	27.602	30.477	
22) S	DCBP (S)	9.675	10.275	4992169	2828369	45.392	46.841	
	Target Compounds							
2)	a-BHC	6.010	0.000	7403	0	0.031	N.D.	#
3)	g-BHC	6.317	6.670f	7394	9311	0.035	0.072	#
4)	b-BHC	6.398	0.000	8110	0	9545.002	N.D.	#
5)	Heptachlor	6.692	0.000	21046	0	0.108	N.D.	#
6)	d-BHC	6.538	6.977f	13180	13758	0.067	0.117	#
7)	Aldrin	6.950	0.000	2916	0	0.014	N.D.	#
8)	Heptachlo...	7.405	0.000	11692	0	44971.001	N.D.	#
9)	trans-Chl...	0.000	7.912	0	8449	N.D.	6778.179	#
10)	cis-Chlor...	7.614	8.036f	9650	33320	BelowCal	0.156	
11)	Endosulfa...	7.721	8.036f	6258	33320	0.038	0.328	#
12)	4,4'-DDE	7.644	8.114	41463	6468	0.225	0.057	#
13)	Dieldrin	0.000	8.247	0	37084	N.D.	0.331	#
14)	Endrin	0.000	0.000	0	0	N.D.	N.D.	
15)	4,4'-DDD	8.092	8.528	89718	8977	0.626	0.102	#
16)	Endosulfa...	8.208	8.625	10362	8480	0.073	0.097	
17)	4,4'-DDT	8.297	8.758	8695	6928	0.069m	0.096	
18)	Endrin Al...	8.512	8.836f	9771	4136	BelowCal	BelowCal	
19)	Endosulfa...	8.806	9.077f	6643	6149	0.051	0.083	#
20)	Methoxychlor	8.607	9.218	9822	3958	0.021	BelowCal	#
21)	Endrin Ke...	9.000	9.456	28979	25488	0.207	0.311	#
23)	Hexachlor...	3.276	3.508	12142	22363	2844.113	1293.978	#
24)	Hexachlor...	5.859	6.258	14620	143338	BelowCal	1.080	
25)	Oxychlordane	7.305f	7.680	10439	6958	BelowCal	24475.439	
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d	
27)	trans-Non...	7.614f	7.973	9650	7604	34192.558	74602.237	#
28)	2,4'-DDD	7.780	8.247	5403	37084	BelowCal	0.345	
29)	2,4'-DDT	7.963	0.000	6189	0	BelowCal	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182126.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 19:40
Operator : MJB
Sample : A0K0482-05RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:23:08 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

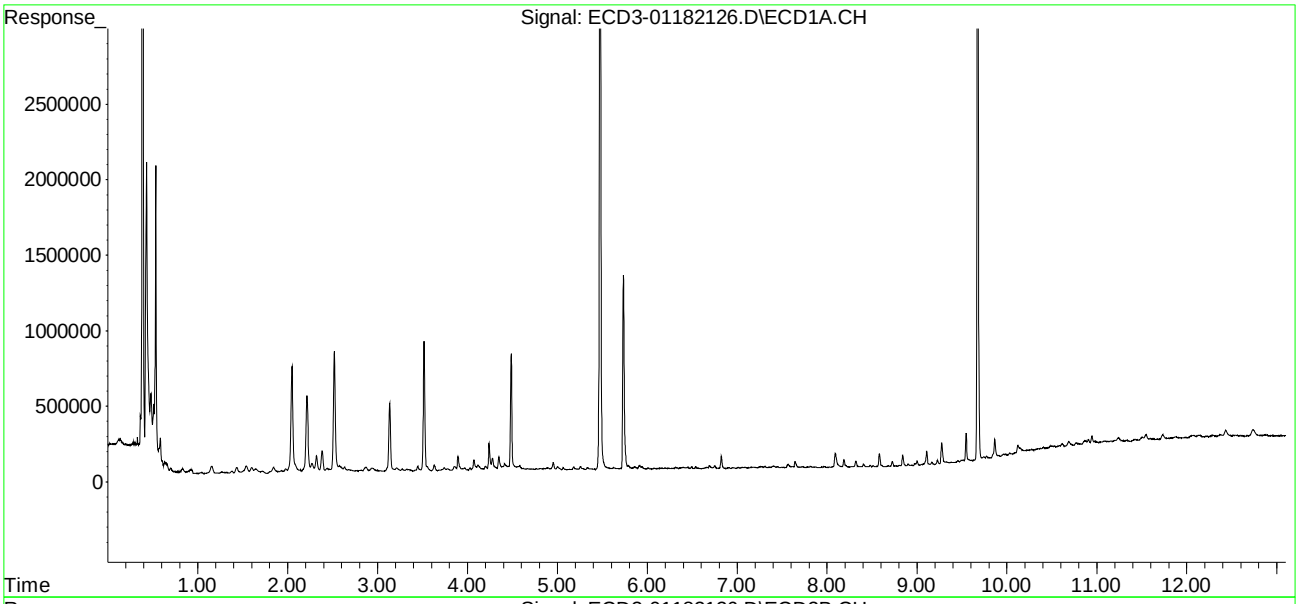
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.092f	8.528	89718	8977	0.309	BelowCal	#
31)	Mirex	8.724	9.456f	32039	25488	BelowCal	0.043	
32)	Chlordane...	7.564f	7.973	22168	7604	1.089	0.569	#
33)	Chlordane...	7.644	8.036f	41463	33320	2.137	2.954	
34)	Chlordane...	8.187	0.000	47203	0	7.843	N.D.	#
35)	Chlordane...	3.779	3.762	9288	29615	NoCal	NoCal	
36)	Toxaphene...	7.614	8.311f	9650	3695	11.948	2.988	#
37)	Toxaphene...	0.000	8.625	0	8480	N.D.	6.039	#
38)	Toxaphene...	8.208f	8.666	10362	8166	3.055	4.070	
39)	Toxaphene...	8.478	8.758f	11614	6928	3.299	2.081	
40)	Toxaphene...	8.724	0.000	32039	0	11.816	N.D.	#
41)	Toxaphene...	8.765	9.305	4492	3286	1.424	1.618	
42)	Toxaphene...	3.779	3.762	9288	29615	NoCal	NoCal	

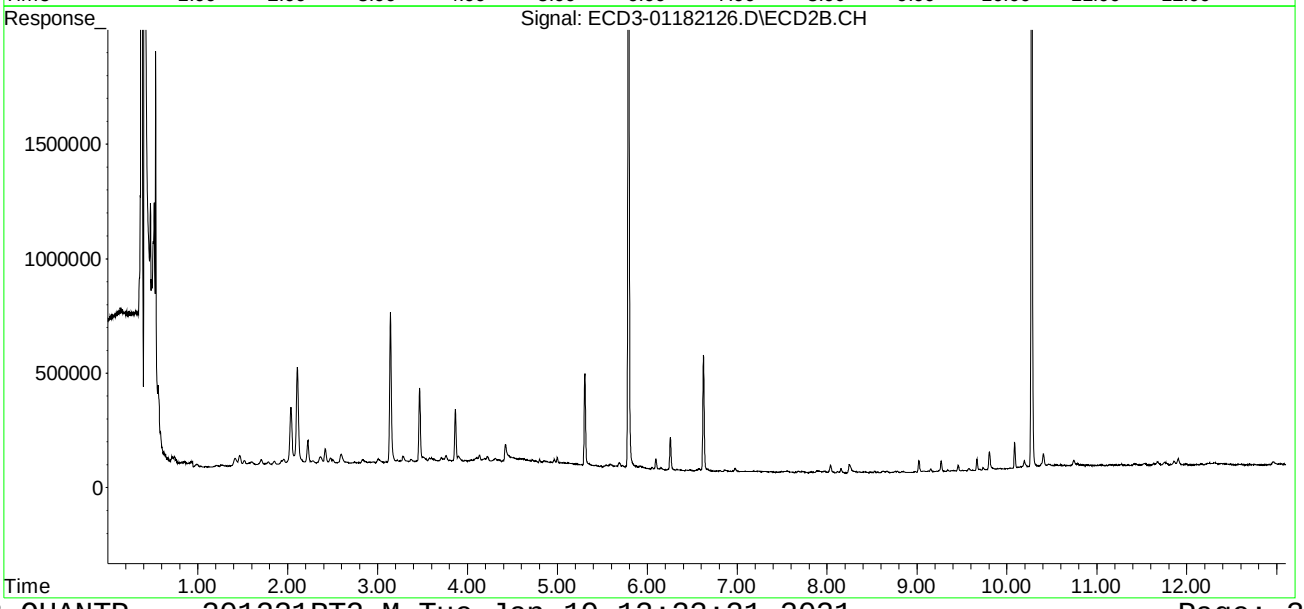
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182126.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 19:40
Operator : MJB
Sample : A0K0482-05RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:23:08 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182127.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 19:57
Operator : MJB
Sample : A0K0482-10RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:24:05 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.476	5.789	5232545	3355501	28.226	30.888	
22)	S DCBP (S)	9.674	10.275	4749368	2661858	43.152	44.025	
	Target Compounds							
2)	a-BHC	6.011	0.000	5204	0	0.022	N.D.	#
3)	g-BHC	0.000	6.672f	0	5881	N.D.	0.045	#
4)	b-BHC	6.376	0.000	5446	0	9545.032	N.D.	#
5)	Heptachlor	6.696	0.000	14222	0	0.073	N.D.	#
6)	d-BHC	6.539	6.981f	11509	12690	0.059	0.107	#
7)	Aldrin	0.000	0.000	0	0	N.D.	N.D.	
8)	Heptachlo...	7.404	7.737f	13888	33800	44970.988	0.180	#
9)	trans-Chl...	7.507	7.892	5051	7755	0.027	6778.186	#
10)	cis-Chlor...	7.618	8.039f	6305	15651	BelowCal	4425.498	
11)	Endosulfa...	0.000	8.039f	0	15651	N.D.	0.154	#
12)	4,4'-DDE	7.646	8.116	27027	4171	0.147	0.037	#
13)	Dieldrin	0.000	8.260	0	3676	N.D.	0.033	#
14)	Endrin	0.000	0.000	0	0	N.D.	N.D.	
15)	4,4'-DDD	0.000	0.000	0	0	N.D.	N.D.	
16)	Endosulfa...	8.209	8.626	9238	4485	0.065	0.052	
17)	4,4'-DDT	8.319f	8.758	23754	6421	0.187	0.089	#
18)	Endrin Al...	8.476f	8.834f	11059	5709	BelowCal	BelowCal	
19)	Endosulfa...	8.792	9.083f	2714	3318	0.021	0.045	#
20)	Methoxychlor	8.611	9.217	6397	5586	BelowCal	0.006	
21)	Endrin Ke...	9.002	9.456	37426	14800	0.267	0.180	
23)	Hexachlor...	3.275	3.508	14710	20958	2844.098	1293.990	#
24)	Hexachlor...	5.862	6.253	18092	7263	BelowCal	3052.556	
25)	Oxychlordane	0.000	7.737f	0	33800	N.D.	0.108	#
26)	2,4'-DDE	7.404	7.892	13888	7755	5794.750	11271.798	#
27)	trans-Non...	7.580	7.936f	8751	3946	34192.564	74602.274	#
28)	2,4'-DDD	0.000	8.260	0	3676	N.D.	BelowCal	
29)	2,4'-DDT	7.966	0.000	8949	0	BelowCal	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182127.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 19:57
Operator : MJB
Sample : A0K0482-10RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:24:05 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

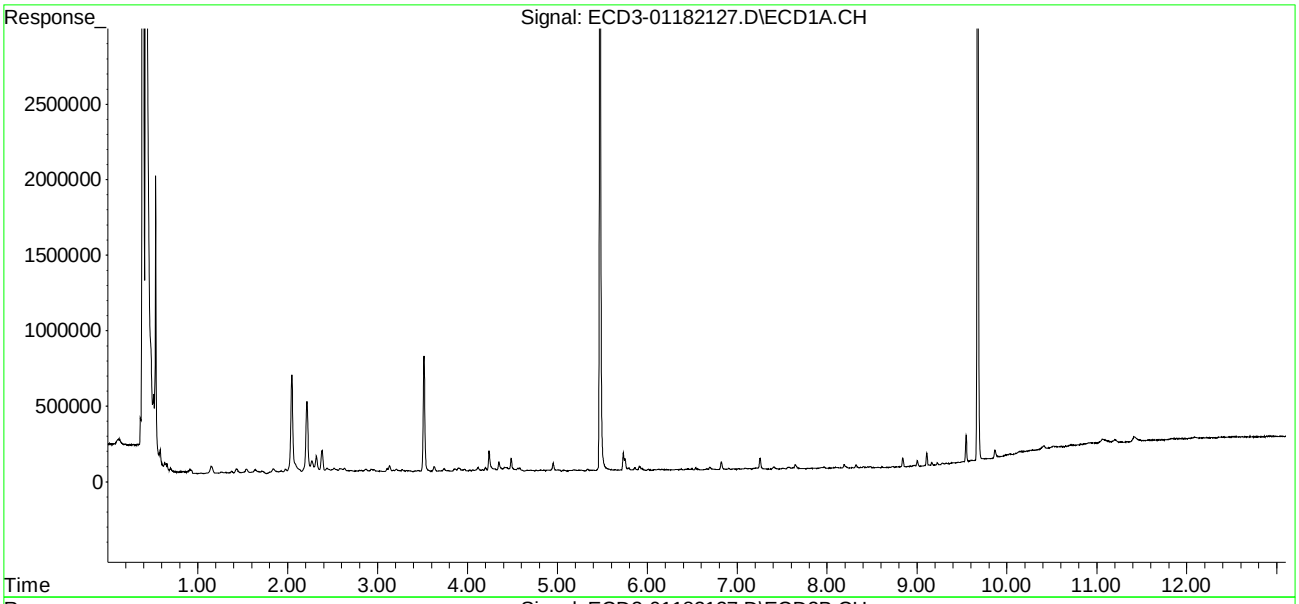
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	0.000	0.000	0	0	N.D.	N.D.	
31)	Mirex	8.728	9.456f	6973	14800	BelowCal	14371.849	
32)	Chlordane...	7.569f	7.936	10218	3946	0.502	0.295	#
33)	Chlordane...	7.646	8.039f	27027	15651	1.393	1.388	
34)	Chlordane...	8.189	0.000	26032	0	4.325	N.D.	#
35)	Chlordane...	0.000	3.763	0	21528	N.D.	NoCal	
36)	Toxaphene...	7.618	8.260f	6305	3676	7.806	2.973	#
37)	Toxaphene...	0.000	8.626	0	4485	N.D.	3.194	#
38)	Toxaphene...	8.209f	8.669	9238	5586	2.724	2.784	
39)	Toxaphene...	8.476	8.758f	11059	6421	3.142	1.929	
40)	Toxaphene...	8.728f	0.000	6973	0	2.572	N.D.	#
41)	Toxaphene...	8.768	9.300	2887	4338	0.916	2.136	#
42)	Toxaphene...	0.000	3.763	0	21528	N.D.	NoCal	

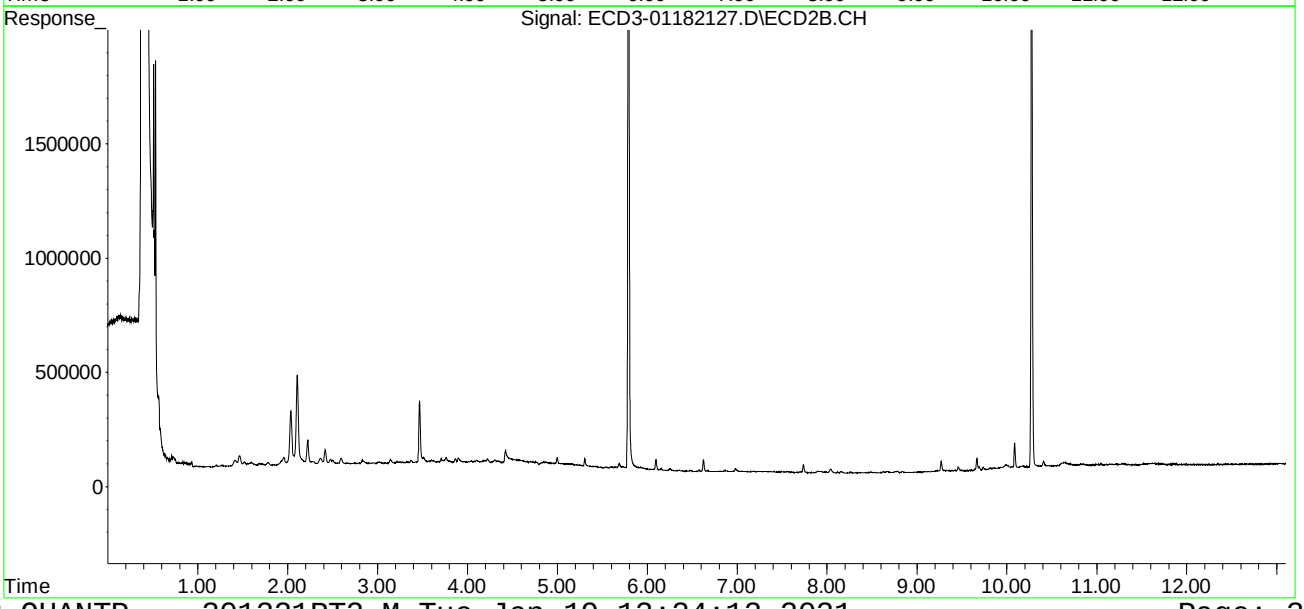
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182127.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 19:57
Operator : MJB
Sample : A0K0482-10RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:24:05 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

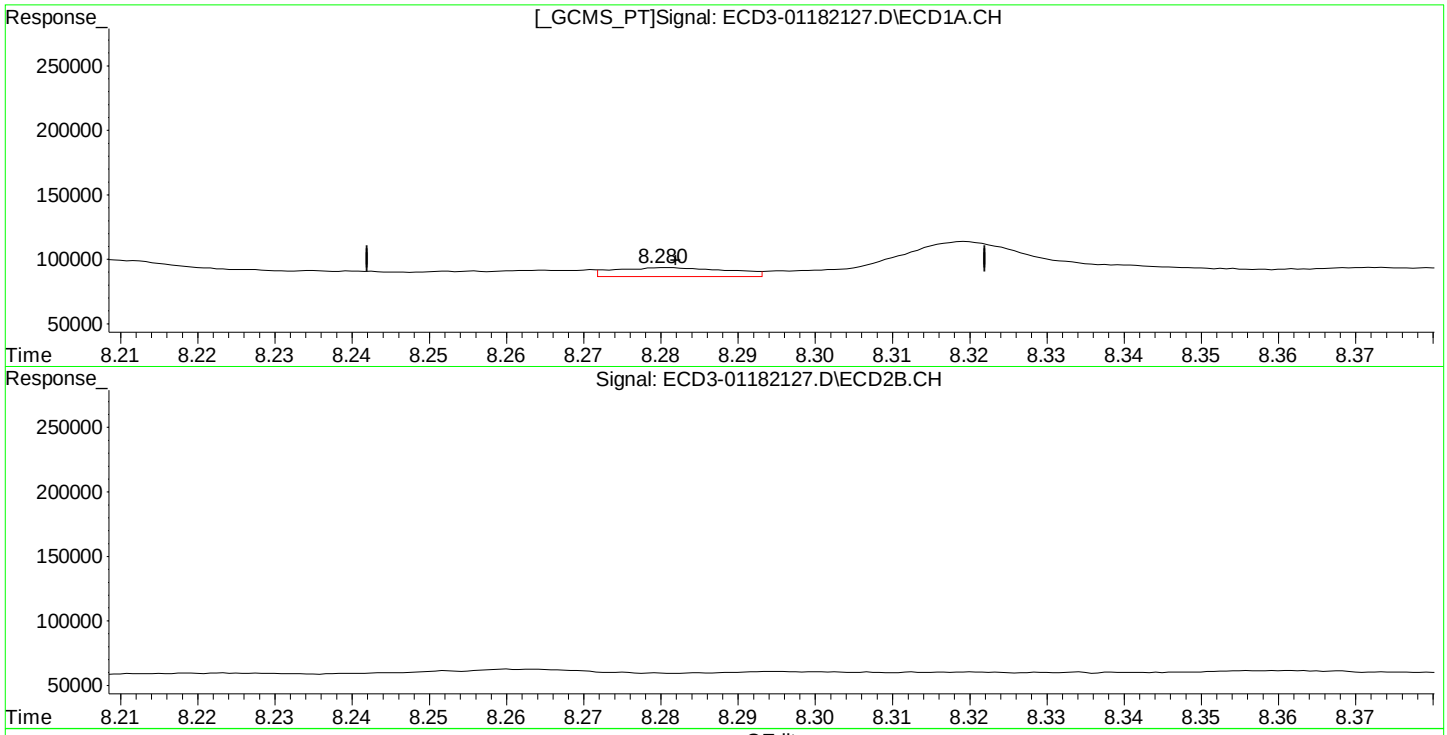




Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182127.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 19:57
Operator : MJB
Sample : A0K0482-10RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:24:05 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



QEdit

(17) 4,4'-DDT
8.280min 0.055 ng/mL m
response 6972

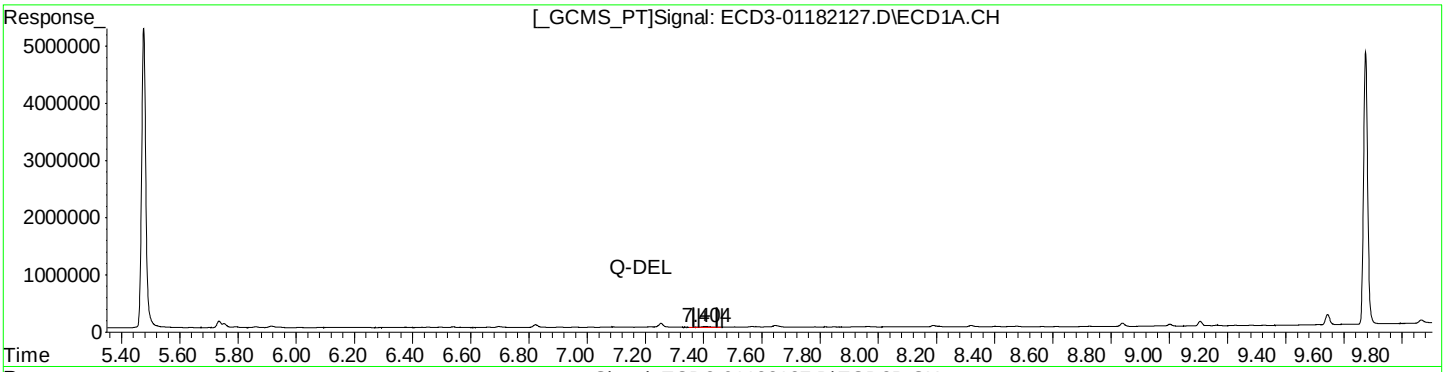
(17) 4,4'-DDT #2
8.758min 0.089 ng/mL
response 6421

(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182127.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 19:57
Operator : MJB
Sample : A0K0482-10RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:24:05 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(26) 2,4'-DDE
~~7.404min 5794.750 ng/mL~~
response ~~13888~~

(26) 2,4'-DDE #2
~~7.892min 11271.798 ng/mL~~
response ~~7755~~

(+) = Expected Retention Time

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182127.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 19:57
Operator : MJB
Sample : A0K0482-10RE1 MJB 1/19/21
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:24:53 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	5.476	5.789	5232545	3355501	28.226	30.888
22) S	DCBP (S)	9.674	10.275	4749368	2661858	43.152	44.025
	Target Compounds						
2)	a-BHC	6.011	0.000	5204	0	0.022	N.D. #
3)	g-BHC	0.000	6.672f	0	5881	N.D.	0.045 #
4)	b-BHC	6.376	0.000	5446	0	9545.032	N.D. #
5)	Heptachlor	6.696	0.000	14222	0	0.073	N.D. #
6)	d-BHC	6.539	6.981f	11509	12690	0.059	0.107 #
7)	Aldrin	0.000	0.000	0	0	N.D.	N.D.
8)	Heptachlo...	7.404	7.737f	13888	33800	44970.988	0.180 #
9)	trans-Chl...	7.507	7.892	5051	7755	0.027	6778.186 #
10)	cis-Chlor...	7.618	8.039f	6305	15651	BelowCal	4425.498
11)	Endosulfa...	0.000	8.039f	0	15651	N.D.	0.154 #
12)	4,4'-DDE	7.646	8.116	27027	4171	0.147	0.037 #
13)	Dieldrin	0.000	8.260	0	3676	N.D.	0.033 #
14)	Endrin	0.000	0.000	0	0	N.D.	N.D.
15)	4,4'-DDD	0.000	0.000	0	0	N.D.	N.D.
16)	Endosulfa...	8.209	8.626	9238	4485	0.065	0.052
17)	4,4'-DDT	8.280	8.758	6972	6421	0.055m	0.089 #
18)	Endrin Al...	8.476f	8.834f	11059	5709	BelowCal	BelowCal
19)	Endosulfa...	8.792	9.083f	2714	3318	0.021	0.045 #
20)	Methoxychlor	8.611	9.217	6397	5586	BelowCal	0.006
21)	Endrin Ke...	9.002	9.456	37426	14800	0.267	0.180
23)	Hexachlor...	3.275	3.508	14710	20958	2844.098	1293.990 #
24)	Hexachlor...	5.862	6.253	18092	7263	BelowCal	3052.556
25)	Oxychlordane	0.000	7.737f	0	33800	N.D.	0.108 #
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	7.580	7.936f	8751	3946	34192.564	74602.274 #
28)	2,4'-DDD	0.000	8.260	0	3676	N.D.	BelowCal
29)	2,4'-DDT	7.966	0.000	8949	0	BelowCal	N.D.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182127.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 19:57
Operator : MJB
Sample : A0K0482-10RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:24:53 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

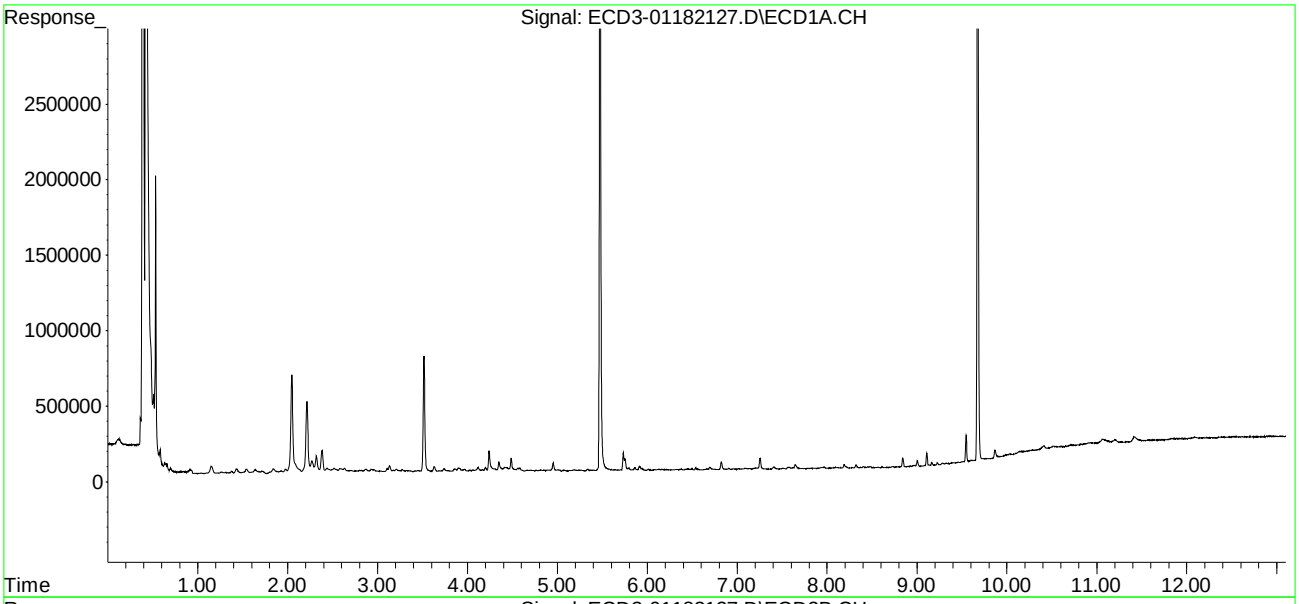
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	0.000	0.000	0	0	N.D.	N.D.	
31)	Mirex	8.728	9.456f	6973	14800	BelowCal	14371.849	
32)	Chlordane...	7.569f	7.936	10218	3946	0.502	0.295	#
33)	Chlordane...	7.646	8.039f	27027	15651	1.393	1.388	
34)	Chlordane...	8.189	0.000	26032	0	4.325	N.D.	#
35)	Chlordane...	0.000	3.763	0	21528	N.D.	NoCal	
36)	Toxaphene...	7.618	8.260f	6305	3676	7.806	2.973	#
37)	Toxaphene...	0.000	8.626	0	4485	N.D.	3.194	#
38)	Toxaphene...	8.209f	8.669	9238	5586	2.724	2.784	
39)	Toxaphene...	8.476	8.758f	11059	6421	3.142	1.929	
40)	Toxaphene...	8.728f	0.000	6973	0	2.572	N.D.	#
41)	Toxaphene...	8.768	9.300	2887	4338	0.916	2.136	#
42)	Toxaphene...	0.000	3.763	0	21528	N.D.	NoCal	

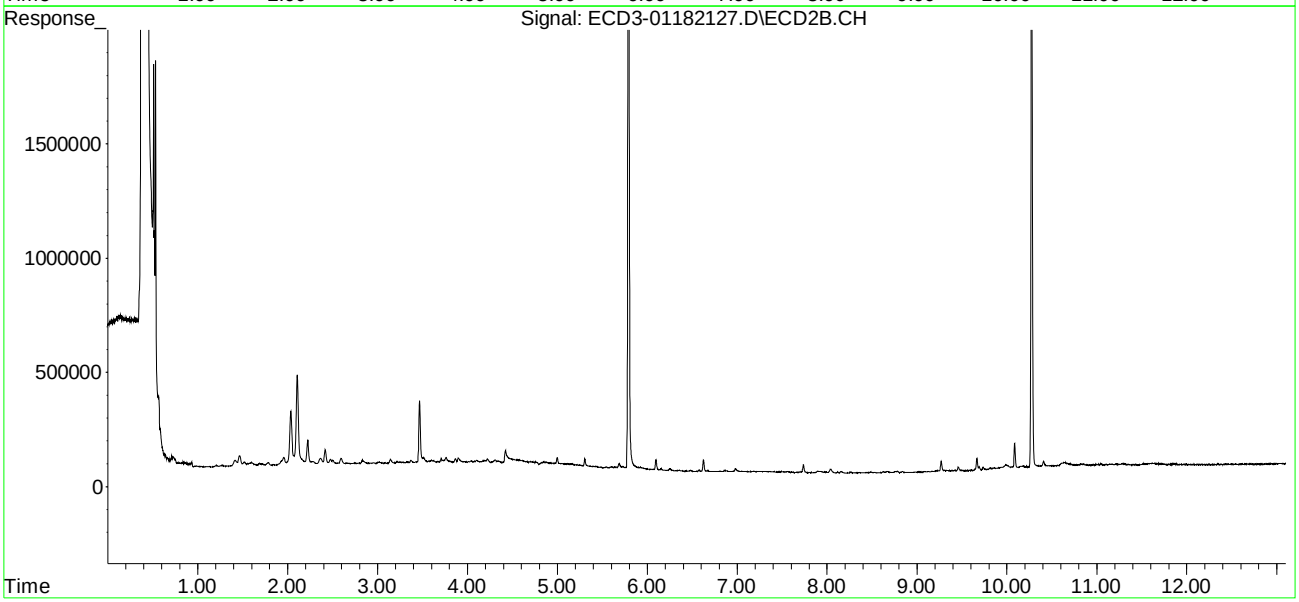
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182127.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 19:57
Operator : MJB
Sample : A0K0482-10RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:24:53 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182128.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 20:14
Operator : MJB
Sample : A0K0482-11RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:25:57 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.475	5.788	5606585	3173605	30.243	29.190	
22) S	DCBP (S)	9.675	10.275	4822866	2907220	43.830	48.176	
	Target Compounds							
2)	a-BHC	6.011	6.396	175861	167283	0.739	1.130	#
3)	g-BHC	6.321	6.689	656141	433347	3.140	3.332	
4)	b-BHC	6.378	6.760	829789	220806	9.126	3.676	#
5)	Heptachlor	6.671f	7.078	440034	235295	2.250	1.934	
6)	d-BHC	6.551	7.002	241983	158885	1.239	1.345	
7)	Aldrin	6.963	7.354f	352999	136129	1.742	1.089	
8)	Heptachlo...	7.400	7.750	395681	170596	2.168	1.443	
9)	trans-Chl...	7.507	7.910	128680	258834	0.689	2.205	#
10)	cis-Chlor...	7.595	8.017	182152	133715	0.898	1.119	
11)	Endosulfa...	7.721	8.073	352520	214643	2.138	2.110	
12)	4,4'-DDE	7.656	8.118	518369	432557	2.812	3.840	
13)	Dieldrin	7.867	8.261	168943	184452	0.918	1.646	#
14)	Endrin	8.019f	8.476	104590	97282	0.762	1.195	#
15)	4,4'-DDD	8.084	8.527	1680175	537754	11.715	6.122	#
16)	Endosulfa...	8.214	8.635	106137	80389	0.752	0.924	
17)	4,4'-DDT	8.281	8.755	133172	127278	1.050	1.760	#
18)	Endrin Al...	8.514	8.861	140862	98794	0.516	0.705	
19)	Endosulfa...	8.805	9.059	345133	130964	2.647	1.765	
20)	Methoxychlor	8.606	9.199f	128229	111683	2.052	3.134	#
21)	Endrin Ke...	8.991	9.449	128995	118628	0.921	1.446	#
23)	Hexachlor...	3.270	3.537f	53922	133334	0.108	0.854	#
24)	Hexachlor...	5.851	6.258	299033	4572274	1.523	43.140	#
25)	Oxychlordane	7.345	7.715	220848	183940	1.299	1.771	
26)	2,4'-DDE	7.400	7.889	395681	174766	3.301	2.226	
27)	trans-Non...	7.595	7.950f	182152	154550	0.877	1.282	#
28)	2,4'-DDD	7.782	8.261	219916	184452	2.019	2.756	
29)	2,4'-DDT	7.993f	8.476	126273	97282	1.172	1.555	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182128.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 20:14
Operator : MJB
Sample : A0K0482-11RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:25:57 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

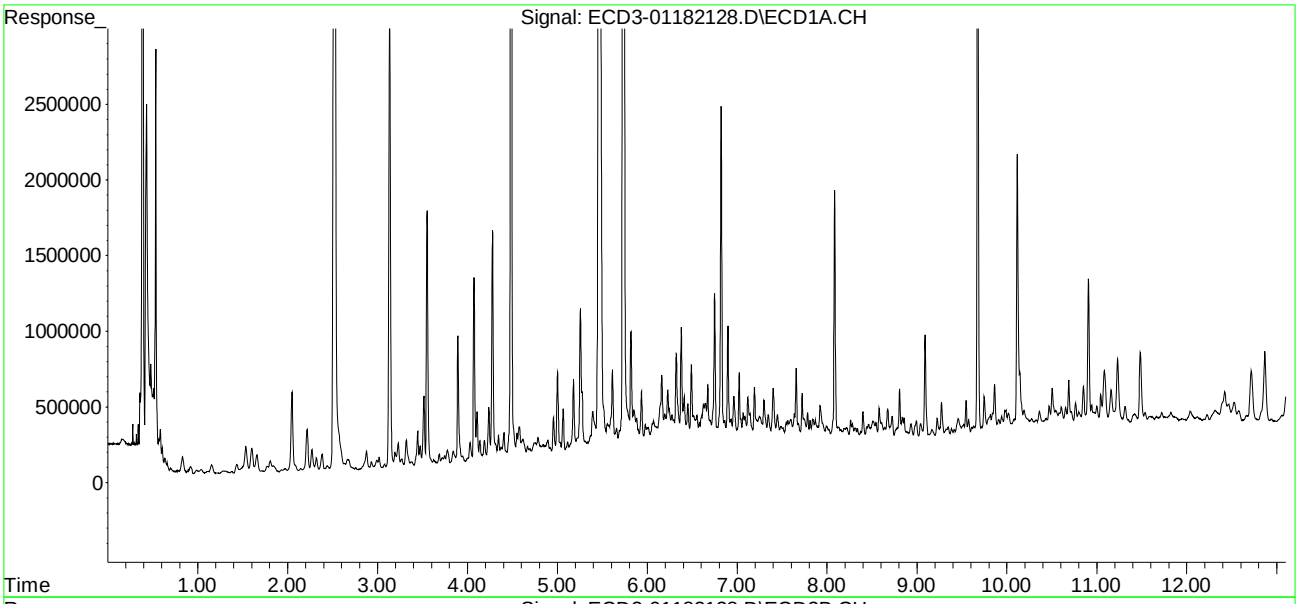
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.084	8.527	1680175	537754	9.373	4.839	#
31)	Mirex	8.723	9.449	169377	118628	1.257	1.536	
32)	Chlordane...	7.544	7.950	167267	154550	8.214	11.557	#
33)	Chlordane...	7.634	8.073	219280	214643	11.304	19.028	#
34)	Chlordane...	8.194	8.709	102673	78409	17.059	21.974	
35)	Chlordane...	3.777	3.762	99089	113457	NoCal	NoCal	
36)	Toxaphene...	7.634	8.261f	219280	184452	271.503	149.164	#
37)	Toxaphene...	7.922	8.635	263288	80389	151.524	57.250	#
38)	Toxaphene...	8.214f	8.660	106137	132799	31.292	66.183	#
39)	Toxaphene...	8.461	8.755	123830	127278	35.177	38.237	
40)	Toxaphene...	8.723	8.912	169377	108313	62.465	53.309	
41)	Toxaphene...	8.805f	9.305	345133	281731	109.447	138.735	
42)	Toxaphene...	3.777f	3.762	99089	113457	NoCal	NoCal	

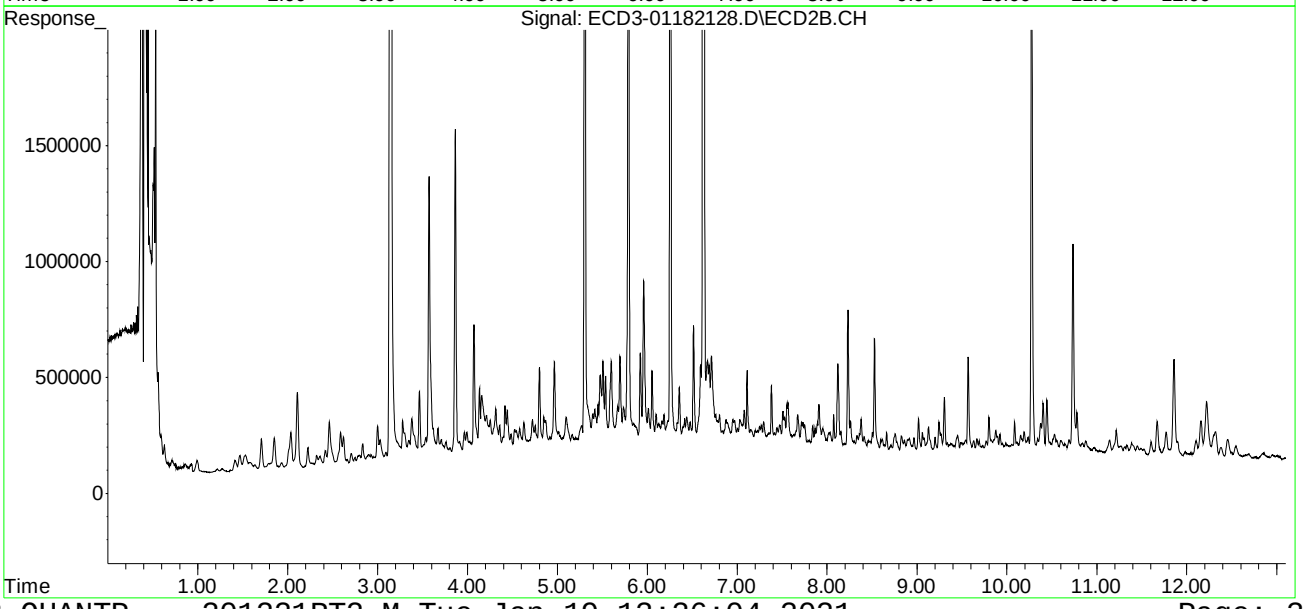
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182128.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 20:14
Operator : MJB
Sample : A0K0482-11RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:25:57 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

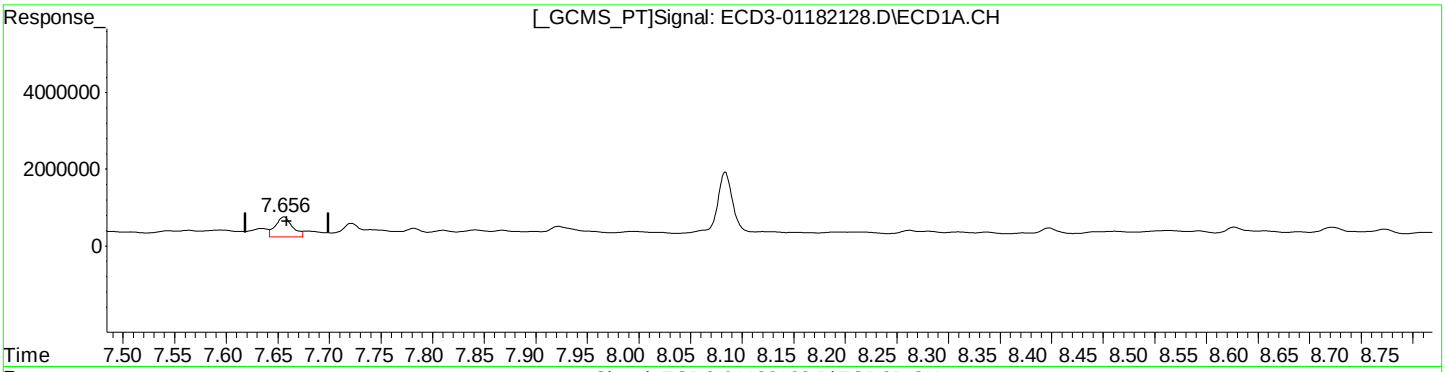


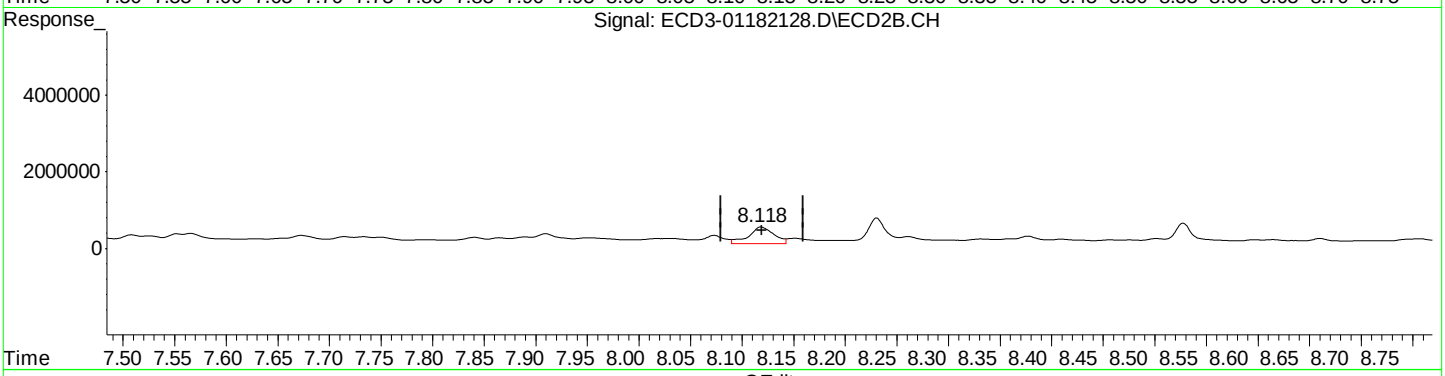


Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182128.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 20:14
Operator : MJB
Sample : A0K0482-11RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:25:57 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





QEdit

(12) 4,4'-DDE
7.656min 2.812 ng/mL
response 518369

Q-14

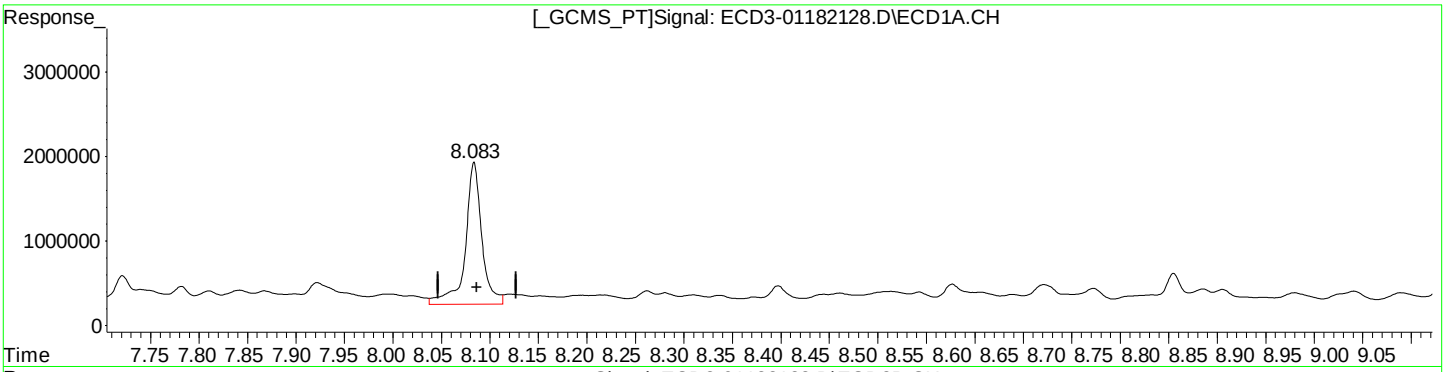
(12) 4,4'-DDE #2
8.118min 3.840 ng/mL
response 432557

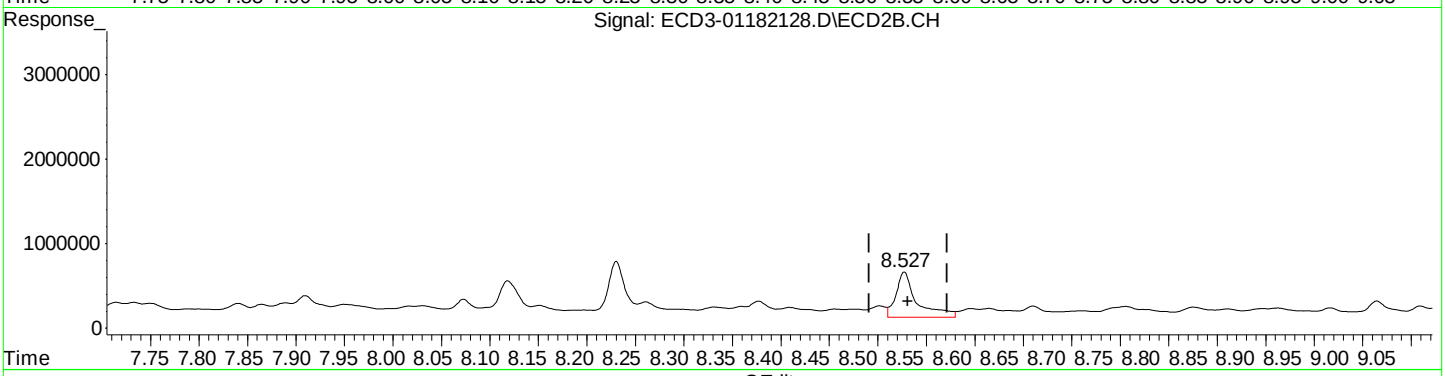
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182128.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 20:14
Operator : MJB
Sample : A0K0482-11RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:25:57 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





QEdit

(15) 4,4'-DDD
8.084min 11.715 ng/mL
response 1680175

P-11

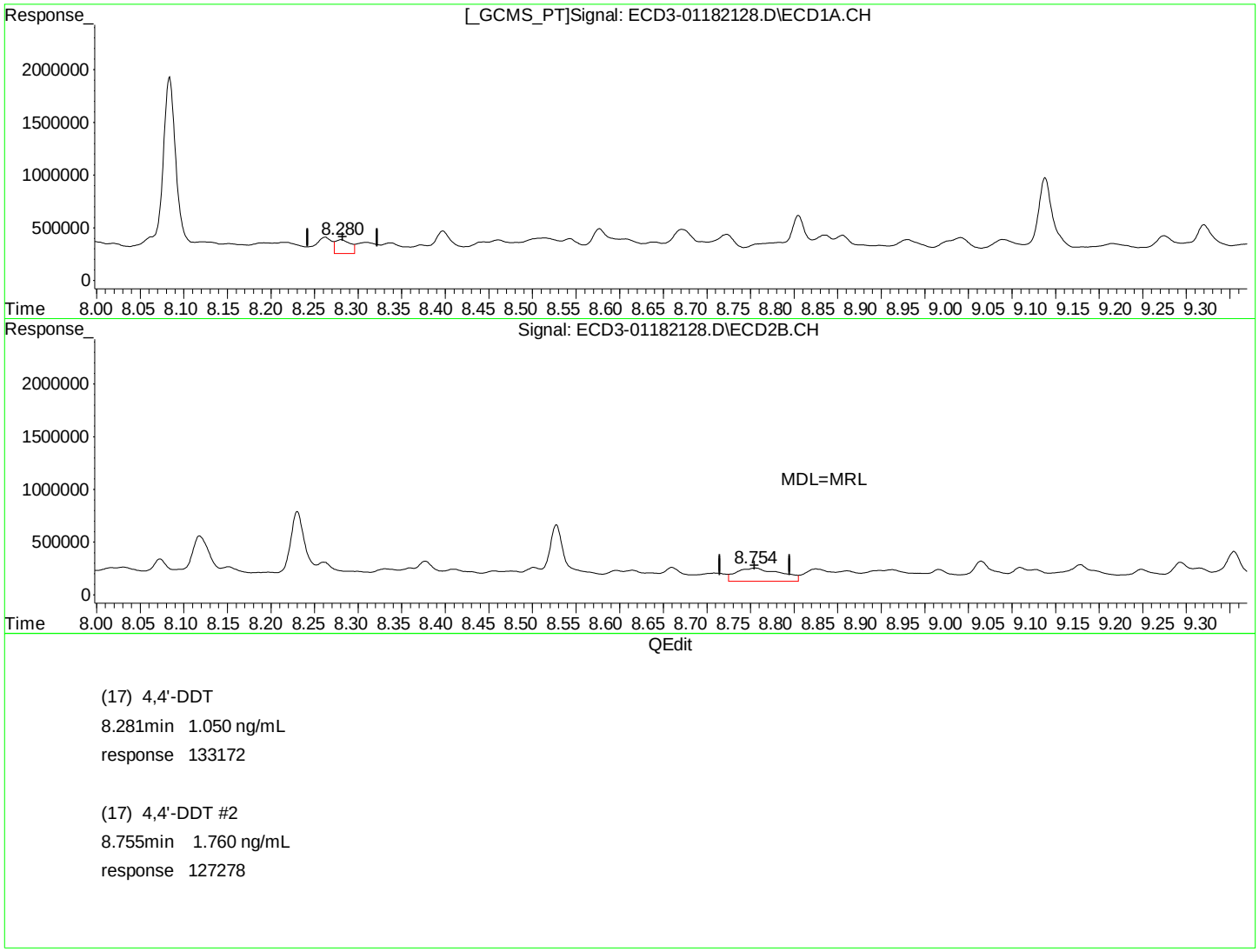
(15) 4,4'-DDD #2
8.527min 6.122 ng/mL
response 537754

(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182128.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 20:14
Operator : MJB
Sample : A0K0482-11RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:25:57 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(17) 4,4'-DDT
8.281min 1.050 ng/mL
response 133172

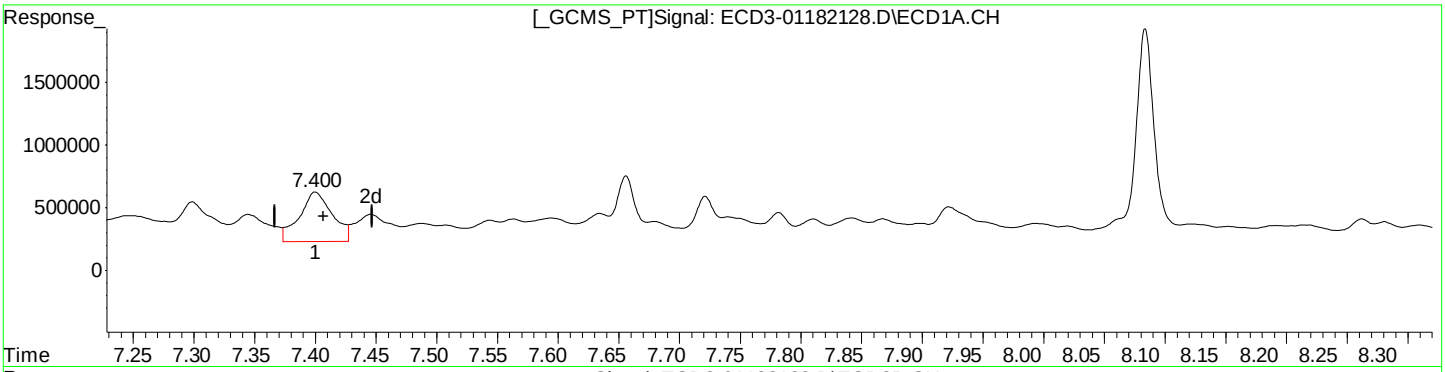
(17) 4,4'-DDT #2
8.755min 1.760 ng/mL
response 127278

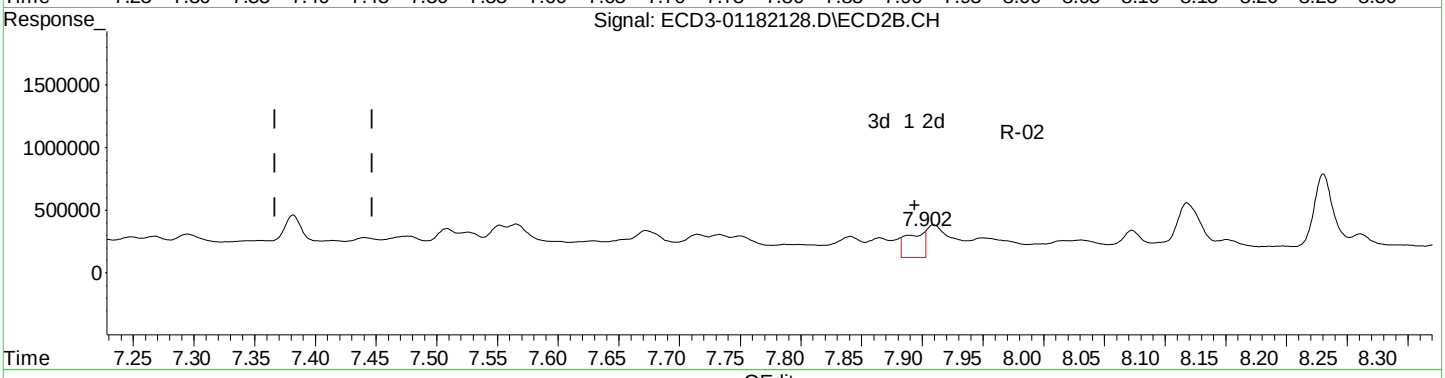
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182128.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 20:14
Operator : MJB
Sample : A0K0482-11RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:25:57 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





QEdit

(26) 2,4'-DDE
7.400min 3.301 ng/mL
response 395681

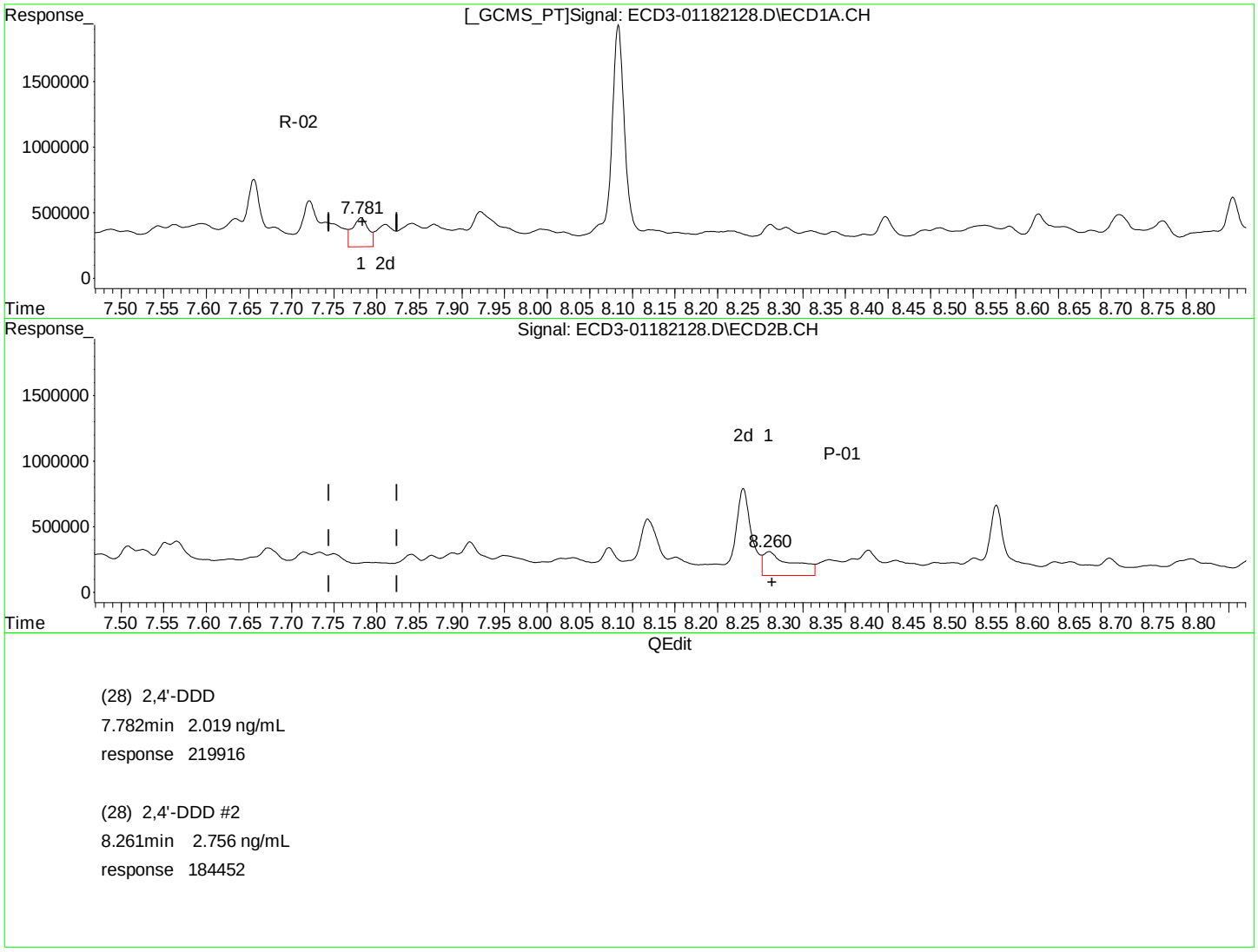
(26) 2,4'-DDE #2
7.902min 2.705 ng/mL m
response 208910

(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182128.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 20:14
Operator : MJB
Sample : A0K0482-11RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:25:57 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(28) 2,4'-DDD
7.782min 2.019 ng/mL
response 219916

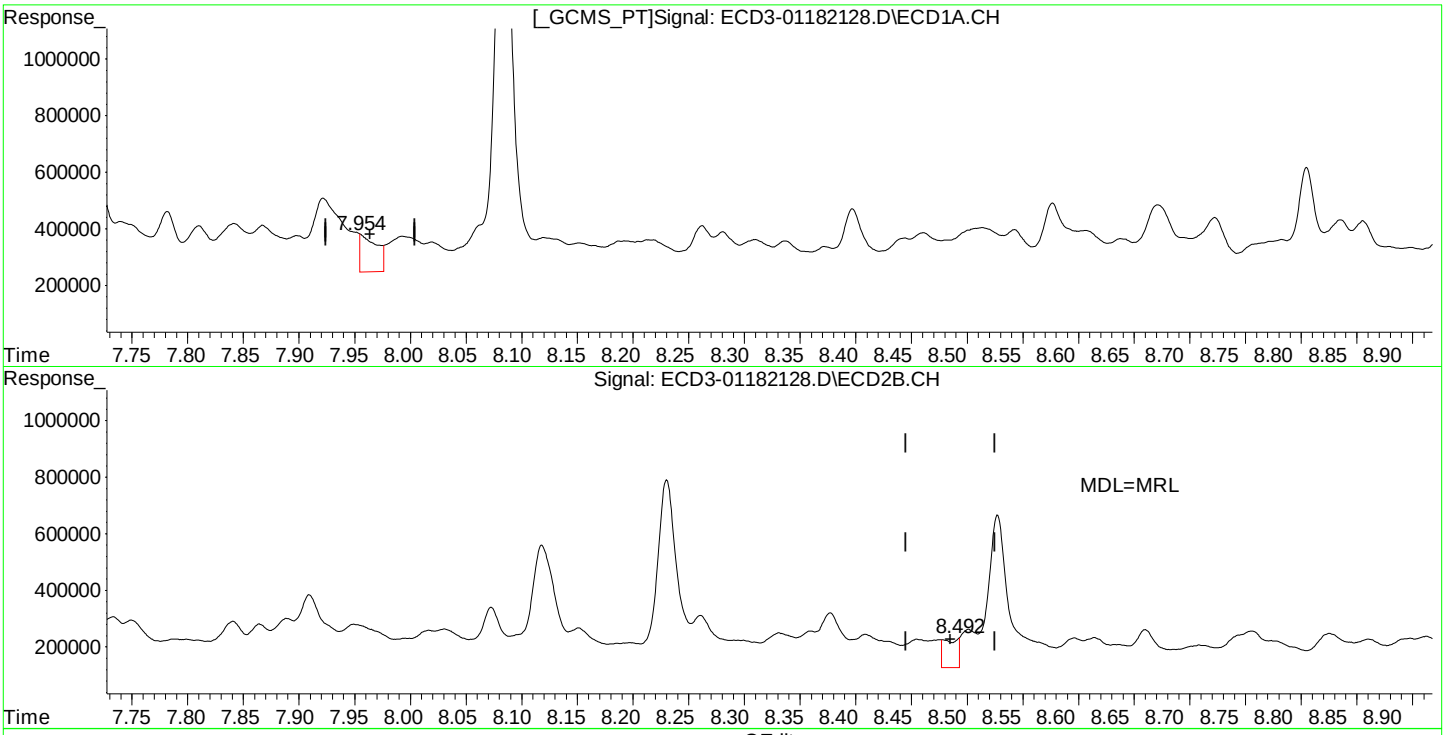
(28) 2,4'-DDD #2
8.261min 2.756 ng/mL
response 184452

(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182128.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 20:14
Operator : MJB
Sample : A0K0482-11RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:25:57 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



QEdit

(29) 2,4'-DDT
7.954min 1.266 ng/mL m
response 135027

(29) 2,4'-DDT #2
8.492min 1.672 ng/mL m
response 103576

(+) = Expected Retention Time

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182128.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 20:14
Operator : MJB
Sample : A0K0482-11RE1 MJB 1/19/21
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:27:44 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.475	5.788	5606585	3173605	30.243	29.190	
22) S	DCBP (S)	9.675	10.275	4822866	2907220	43.830	48.176	
	Target Compounds							
2)	a-BHC	6.011	6.396	175861	167283	0.739	1.130 #	
3)	g-BHC	6.321	6.689	656141	433347	3.140	3.332	
4)	b-BHC	6.378	6.760	829789	220806	9.126	3.676 #	
5)	Heptachlor	6.671f	7.078	440034	235295	2.250	1.934	
6)	d-BHC	6.551	7.002	241983	158885	1.239	1.345	
7)	Aldrin	6.963	7.354f	352999	136129	1.742	1.089	
8)	Heptachlo...	7.400	7.750	395681	170596	2.168	1.443	
9)	trans-Chl...	7.507	7.910	128680	258834	0.689	2.205 #	
10)	cis-Chlor...	7.595	8.017	182152	133715	0.898	1.119	
11)	Endosulfa...	7.721	8.073	352520	214643	2.138	2.110	
12)	4,4'-DDE	7.656	8.118	518369	432557	~~2.812~~	~~3.840~~	Q-14
13)	Dieldrin	7.867	8.261	168943	184452	0.918	1.646 #	
14)	Endrin	8.019f	8.476	104590	97282	0.762	1.195 #	
15)	4,4'-DDD	8.084	8.527	1680175	537754	11.715	6.122 #	P-11
16)	Endosulfa...	8.214	8.635	106137	80389	0.752	0.924	
17)	4,4'-DDT	8.281	8.755	133172	127278	1.050	1.760 #	MDL=MRL
18)	Endrin Al...	8.514	8.861	140862	98794	0.516	0.705	
19)	Endosulfa...	8.805	9.059	345133	130964	2.647	1.765	
20)	Methoxychlor	8.606	9.199f	128229	111683	2.052	3.134 #	
21)	Endrin Ke...	8.991	9.449	128995	118628	0.921	1.446 #	
23)	Hexachlor...	3.270	3.537f	53922	133334	0.108	0.854 #	
24)	Hexachlor...	5.851	6.258	299033	4572274	1.523	43.140 #	
25)	Oxychlordane	7.345	7.715	220848	183940	1.299	1.771	
26)	2,4'-DDE	7.400	7.902	395681	208910	3.301	2.705m	R-02
27)	trans-Non...	7.595	7.950f	182152	154550	0.877	1.282 #	
28)	2,4'-DDD	7.782	8.261	219916	184452	2.019 R-02	2.756	P-01
29)	2,4'-DDT	7.954	8.492	135027	103576	1.266m	1.672m	MDL=MRL

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182128.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 20:14
Operator : MJB
Sample : A0K0482-11RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:27:44 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.084	8.527	1680175	537754	9.373	4.839	#
31)	Mirex	8.723	9.449	169377	118628	1.257	1.536	
32)	Chlordane...	7.544	7.950	167267	154550	8.214	11.557	#
33)	Chlordane...	7.634	8.073	219280	214643	11.304	19.028	#
34)	Chlordane...	8.194	8.709	102673	78409	17.059	21.974	
35)	Chlordane...	3.777	3.762	99089	113457	NoCal	NoCal	
36)	Toxaphene...	7.634	8.261f	219280	184452	271.503	149.164	#
37)	Toxaphene...	7.922	8.635	263288	80389	151.524	57.250	#
38)	Toxaphene...	8.214f	8.660	106137	132799	31.292	66.183	#
39)	Toxaphene...	8.461	8.755	123830	127278	35.177	38.237	
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41)	Toxaphene...	8.805f	9.305	345133	281731	109.447	138.735	
42)	Toxaphene...	3.777f	3.762	99089	113457	NoCal	NoCal	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182128.D
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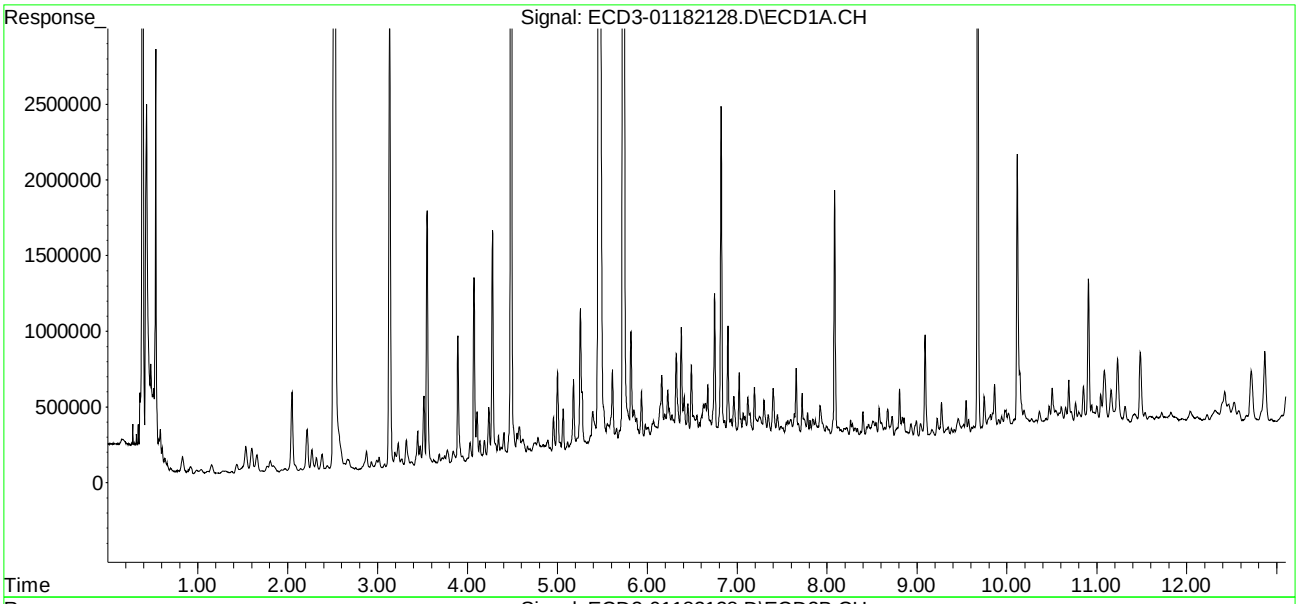
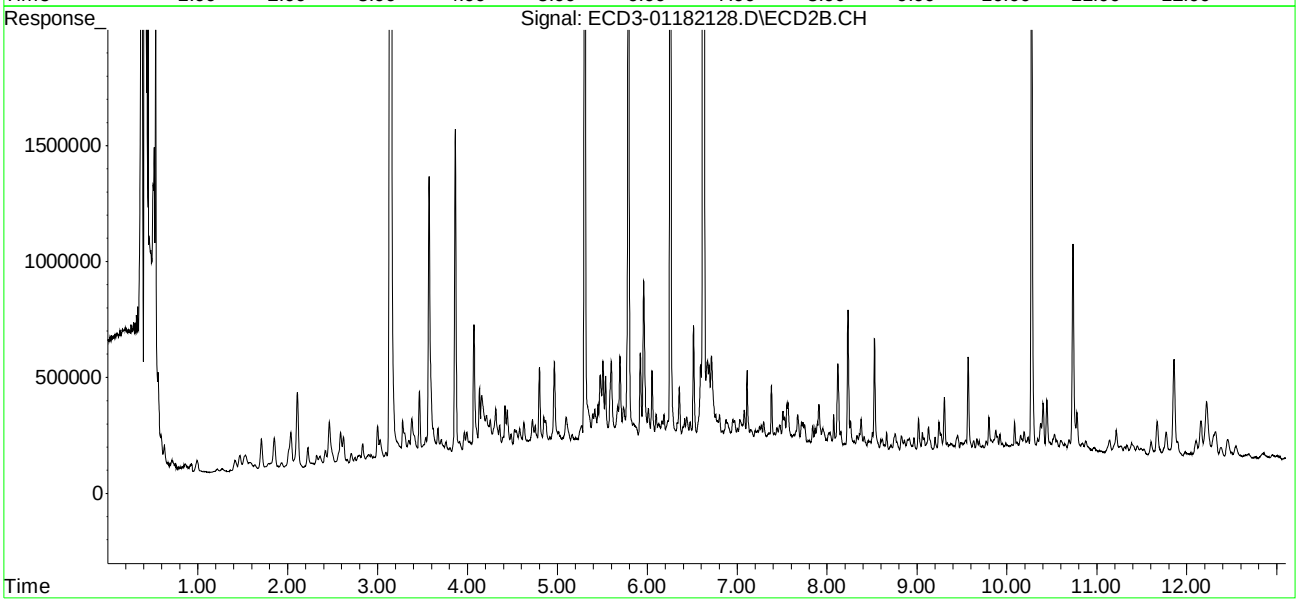
Operator : MJB
Sample : A0K0482-11RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 13:27:44 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182130.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 20:51
Operator : MJB
Sample : A0K0482-12RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:11:20 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.476	5.790	4400937	2755697	23.740	25.296	
22) S	DCBP (S)	9.673	10.274	4682470	2551160	42.535	42.156	
	Target Compounds							
2)	a-BHC	5.996f	6.371	47063	5726	0.198	0.039	#
3)	g-BHC	6.314	0.000	9056	0	0.043	N.D.	#
4)	b-BHC	6.393	6.764	10512	4302	9544.975	2944.397	#
5)	Heptachlor	6.691	0.000	21508	0	0.110	N.D.	#
6)	d-BHC	6.538	6.975f	11255	13106	0.058	0.111	#
7)	Aldrin	6.967	0.000	11272	0	0.056	N.D.	#
8)	Heptachlo...	7.407	0.000	26032	0	0.002	N.D.	#
9)	trans-Chl...	7.513	7.911	5305	12255	0.028	6778.145	#
10)	cis-Chlor...	7.613	8.034f	9305	21906	BelowCal	0.046	
11)	Endosulfa...	7.722	8.073	28365	7645	0.172	0.075	#
12)	4,4'-DDE	7.653	8.116	46116	26742	0.250	0.237	
13)	Dieldrin	7.892	8.260	15357	27428	0.083	0.245	#
14)	Endrin	8.061	8.499	23137	11083	0.168	0.136	
15)	4,4'-DDD	8.085	8.527	141066	54970	0.984	0.626	
16)	Endosulfa...	8.219	8.612	9569	11001	0.068	0.126	#
17)	4,4'-DDT	8.262	8.757	14205	12142	0.112	0.168	#
18)	Endrin Al...	8.483f	8.857	10399	10082	BelowCal	BelowCal	
19)	Endosulfa...	8.804	9.061	29197	19278	0.224	0.260	
20)	Methoxychlor	8.636f	9.212	7986	5977	BelowCal	0.018	
21)	Endrin Ke...	8.997	9.451	37189	44151	0.266	0.538	#
23)	Hexachlor...	3.276	3.512	13962	21030	2844.102	1293.989	#
24)	Hexachlor...	5.881	6.258	158569	122991	0.693	0.889	
25)	Oxychlordane	7.355	7.678f	12550	22045	BelowCal	24475.272	
26)	2,4'-DDE	7.407	7.885	26032	16596	0.018	0.005	#
27)	trans-Non...	7.613f	7.976	9305	15325	34192.561	74602.161	#
28)	2,4'-DDD	7.784	8.260	40598	27428	0.213	0.187	
29)	2,4'-DDT	7.953	8.499	21843	11083	0.044	BelowCal	#

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182130.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 20:51
Operator : MJB
Sample : A0K0482-12RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:11:20 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

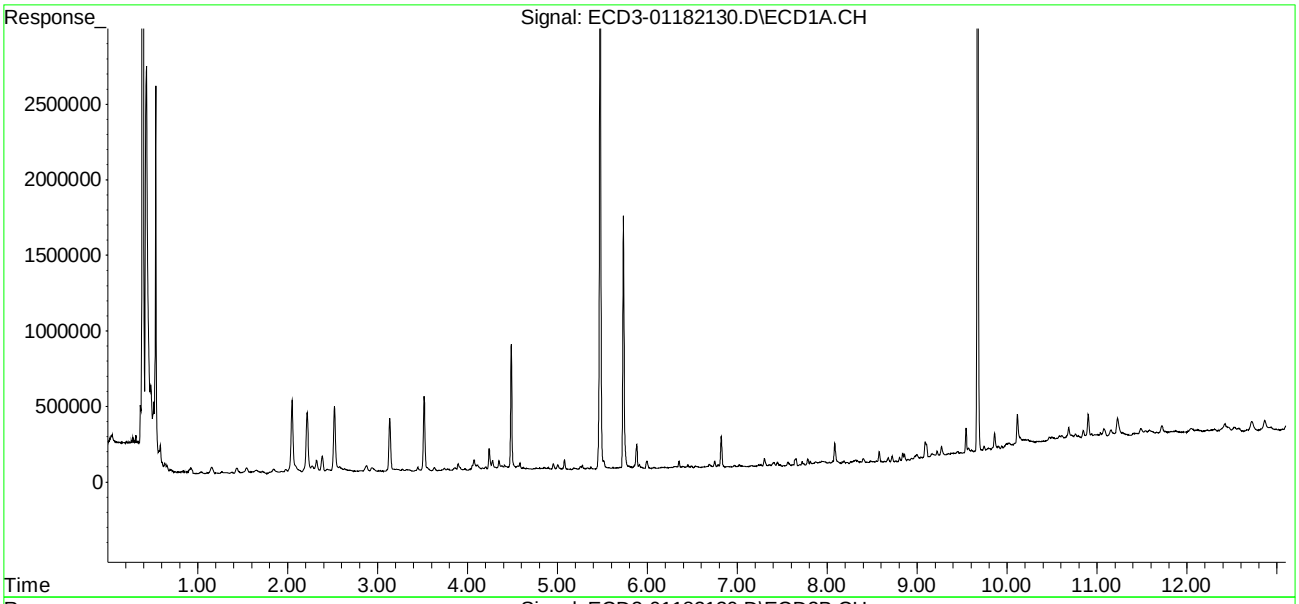
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.061	8.527	23137	54970	BelowCal	0.267	
31)	Mirex	8.722	9.421	40736	36073	0.029	0.213	#
32)	Chlordane...	7.566f	7.976f	25227	15325	1.239	1.146	
33)	Chlordane...	7.653	8.073	46116	7645	2.377	0.678	#
34)	Chlordane...	8.186	0.000	19732	0	3.279	N.D.	#
35)	Chlordane...	3.779	3.763	9049	30477	NoCal	NoCal	
36)	Toxaphene...	7.613	8.260f	9305	27428	11.521	22.180	#
37)	Toxaphene...	7.916	8.612f	16841	11001	7.382	7.835	
38)	Toxaphene...	8.219	8.663	9569	15581	2.821	7.765	#
39)	Toxaphene...	8.478	8.757f	11092	12142	3.151	3.648	
40)	Toxaphene...	8.722	8.895	40736	6237	15.023	0.357	#
41)	Toxaphene...	8.759	9.303	7599	47806	2.410	23.542	#
42)	Toxaphene...	3.779	3.763	9049	30477	NoCal	NoCal	

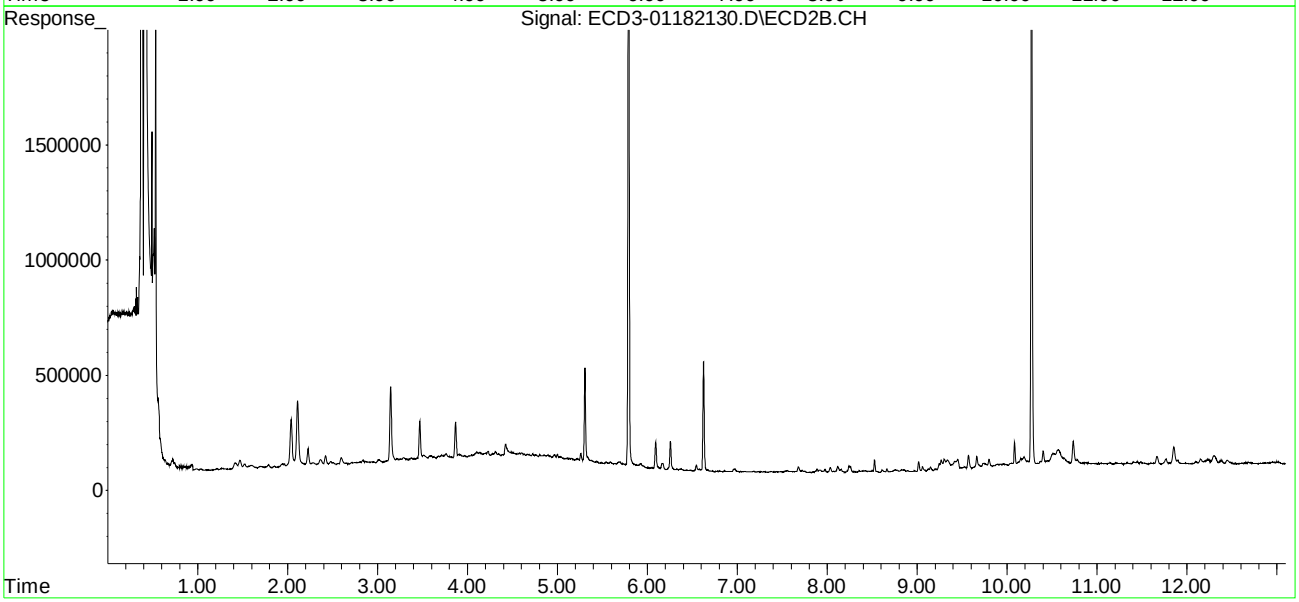
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182130.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 20:51
Operator : MJB
Sample : A0K0482-12RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:11:20 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

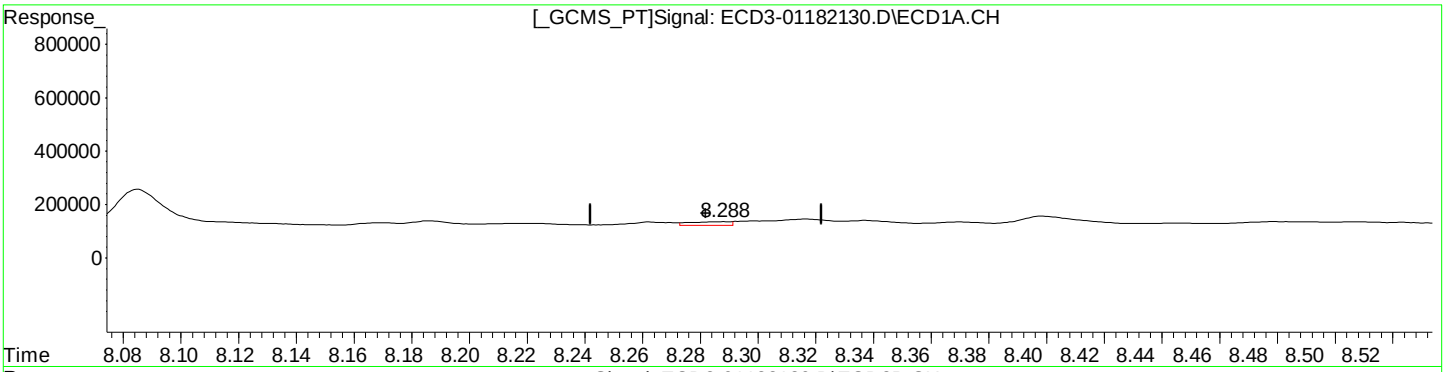


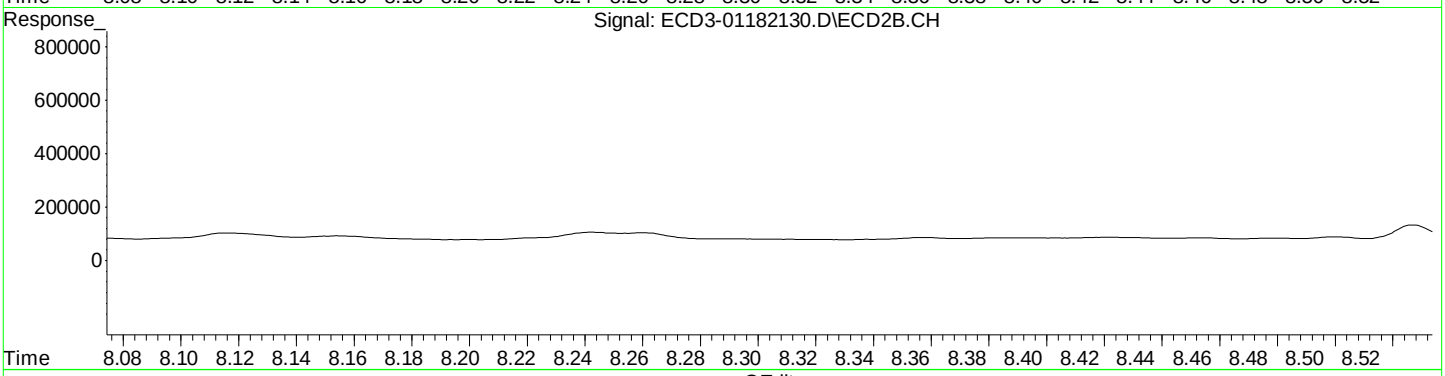


Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182130.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 20:51
Operator : MJB
Sample : A0K0482-12RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:11:20 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





QEdit

(17) 4,4'-DDT
8.288min 0.115 ng/mL m
response 14600

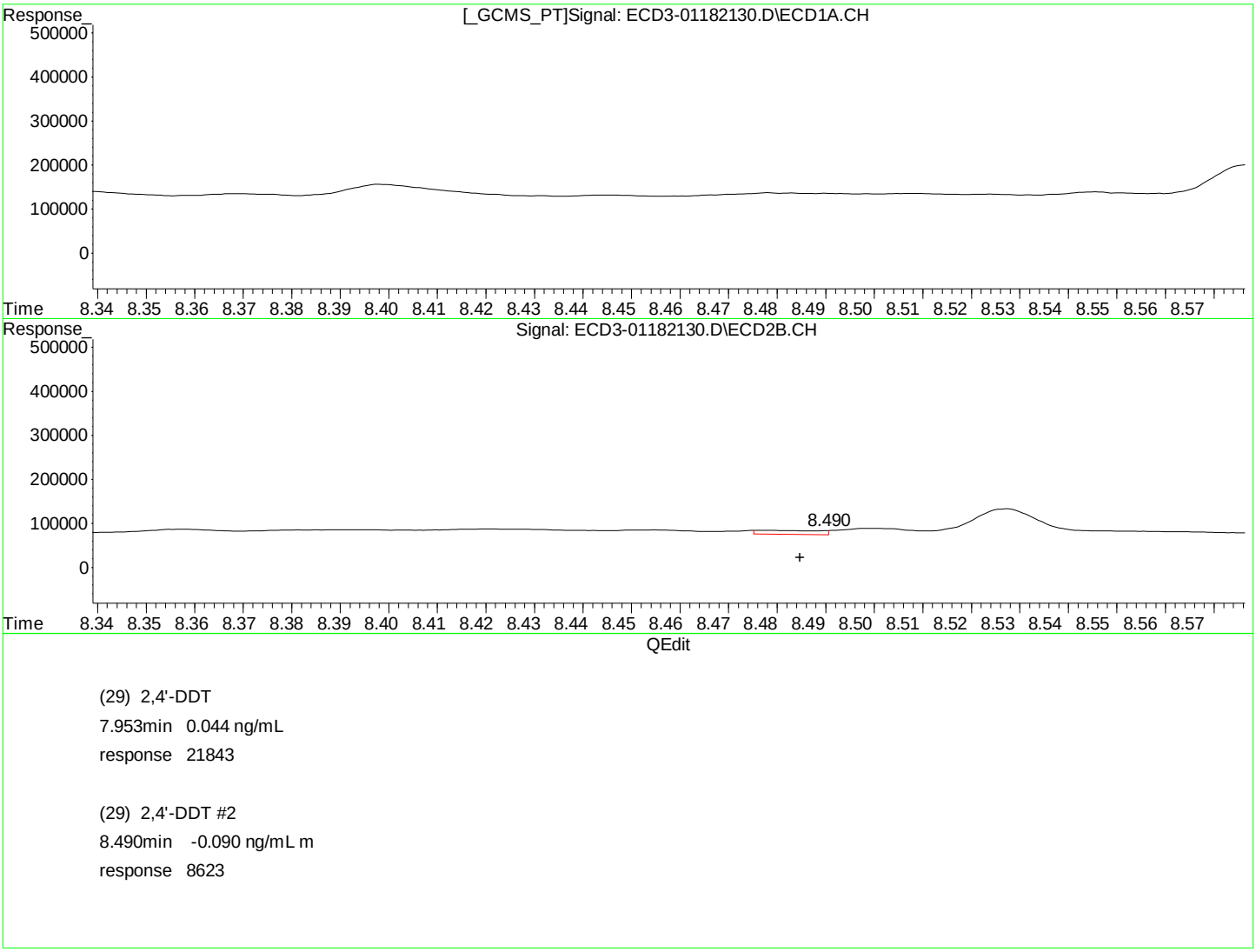
(17) 4,4'-DDT #2
8.757min 0.168 ng/mL
response 12142

(+) = Expected Retention Time
ECD3_QUANTP..._201221RT2.M Tue Jan 19 14:11:55 2021 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182130.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 20:51
Operator : MJB
Sample : A0K0482-12RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:11:20 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(29) 2,4'-DDT
7.953min 0.044 ng/mL
response 21843

(29) 2,4'-DDT #2
8.490min -0.090 ng/mL m
response 8623

(+) = Expected Retention Time

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182130.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 20:51
Operator : MJB
Sample : A0K0482-12RE1 MJB 1/19/21
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:12:16 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.476	5.790	4400937	2755697	23.740	25.296	
22) S	DCBP (S)	9.673	10.274	4682470	2551160	42.535	42.156	
	Target Compounds							
2)	a-BHC	5.996f	6.371	47063	5726	0.198	0.039	#
3)	g-BHC	6.314	0.000	9056	0	0.043	N.D.	#
4)	b-BHC	6.393	6.764	10512	4302	9544.975	2944.397	#
5)	Heptachlor	6.691	0.000	21508	0	0.110	N.D.	#
6)	d-BHC	6.538	6.975f	11255	13106	0.058	0.111	#
7)	Aldrin	6.967	0.000	11272	0	0.056	N.D.	#
8)	Heptachlo...	7.407	0.000	26032	0	0.002	N.D.	#
9)	trans-Chl...	7.513	7.911	5305	12255	0.028	6778.145	#
10)	cis-Chlor...	7.613	8.034f	9305	21906	BelowCal	0.046	
11)	Endosulfa...	7.722	8.073	28365	7645	0.172	0.075	#
12)	4,4'-DDE	7.653	8.116	46116	26742	0.250	0.237	
13)	Dieldrin	7.892	8.260	15357	27428	0.083	0.245	#
14)	Endrin	8.061	8.499	23137	11083	0.168	0.136	
15)	4,4'-DDD	8.085	8.527	141066	54970	0.984	0.626	
16)	Endosulfa...	8.219	8.612	9569	11001	0.068	0.126	#
17)	4,4'-DDT	8.288	8.757	14600	12142	0.115m	0.168	#
18)	Endrin Al...	8.483f	8.857	10399	10082	BelowCal	BelowCal	
19)	Endosulfa...	8.804	9.061	29197	19278	0.224	0.260	
20)	Methoxychlor	8.636f	9.212	7986	5977	BelowCal	0.018	
21)	Endrin Ke...	8.997	9.451	37189	44151	0.266	0.538	#
23)	Hexachlor...	3.276	3.512	13962	21030	2844.102	1293.989	#
24)	Hexachlor...	5.881	6.258	158569	122991	0.693	0.889	
25)	Oxychlordane	7.355	7.678f	12550	22045	BelowCal	24475.272	
26)	2,4'-DDE	7.407	7.885	26032	16596	0.018	0.005	#
27)	trans-Non...	7.613f	7.976	9305	15325	34192.561	74602.161	#
28)	2,4'-DDD	7.784	8.260	40598	27428	0.213	0.187	
29)	2,4'-DDT	7.953	8.490	21843	8623	0.044	BelowCalm	#

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182130.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 20:51
Operator : MJB
Sample : A0K0482-12RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:12:16 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

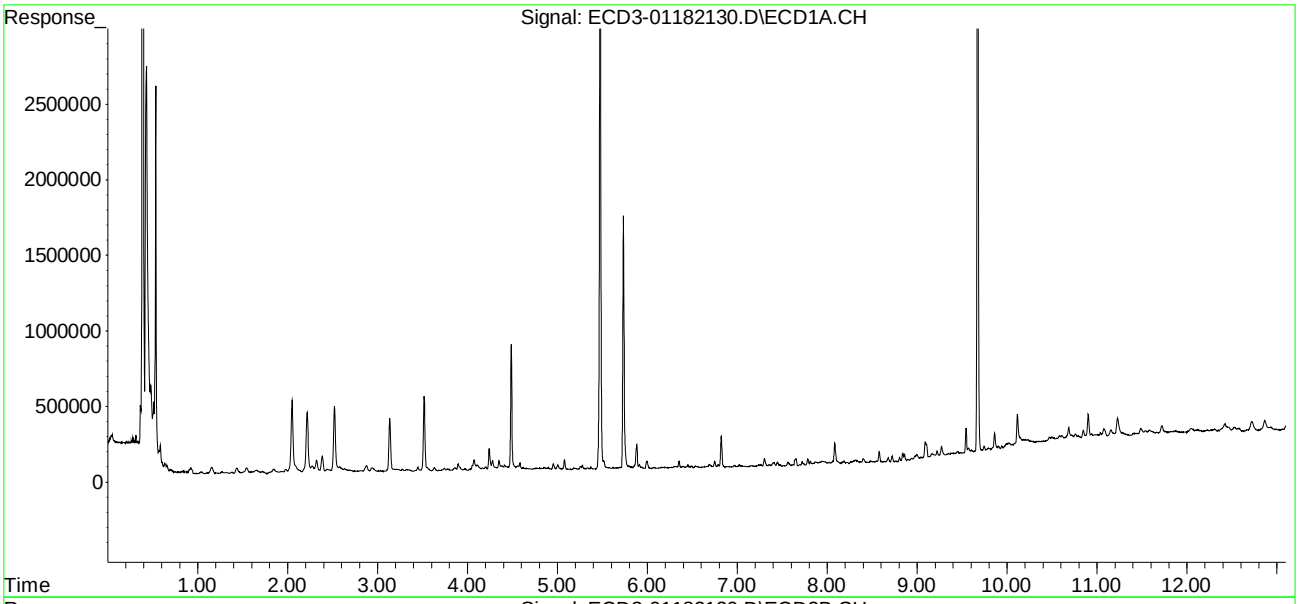
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.061	8.527	23137	54970	BelowCal	0.267	
31)	Mirex	8.722	9.421	40736	36073	0.029	0.213	#
32)	Chlordane...	7.566f	7.976f	25227	15325	1.239	1.146	
33)	Chlordane...	7.653	8.073	46116	7645	2.377	0.678	#
34)	Chlordane...	8.186	0.000	19732	0	3.279	N.D.	#
35)	Chlordane...	3.779	3.763	9049	30477	NoCal	NoCal	
36)	Toxaphene...	7.613	8.260f	9305	27428	11.521	22.180	#
37)	Toxaphene...	7.916	8.612f	16841	11001	7.382	7.835	
38)	Toxaphene...	8.219	8.663	9569	15581	2.821	7.765	#
39)	Toxaphene...	8.478	8.757f	11092	12142	3.151	3.648	
40)	Toxaphene...	8.722	8.895	40736	6237	15.023	0.357	#
41)	Toxaphene...	8.759	9.303	7599	47806	2.410	23.542	#
42)	Toxaphene...	3.779	3.763	9049	30477	NoCal	NoCal	

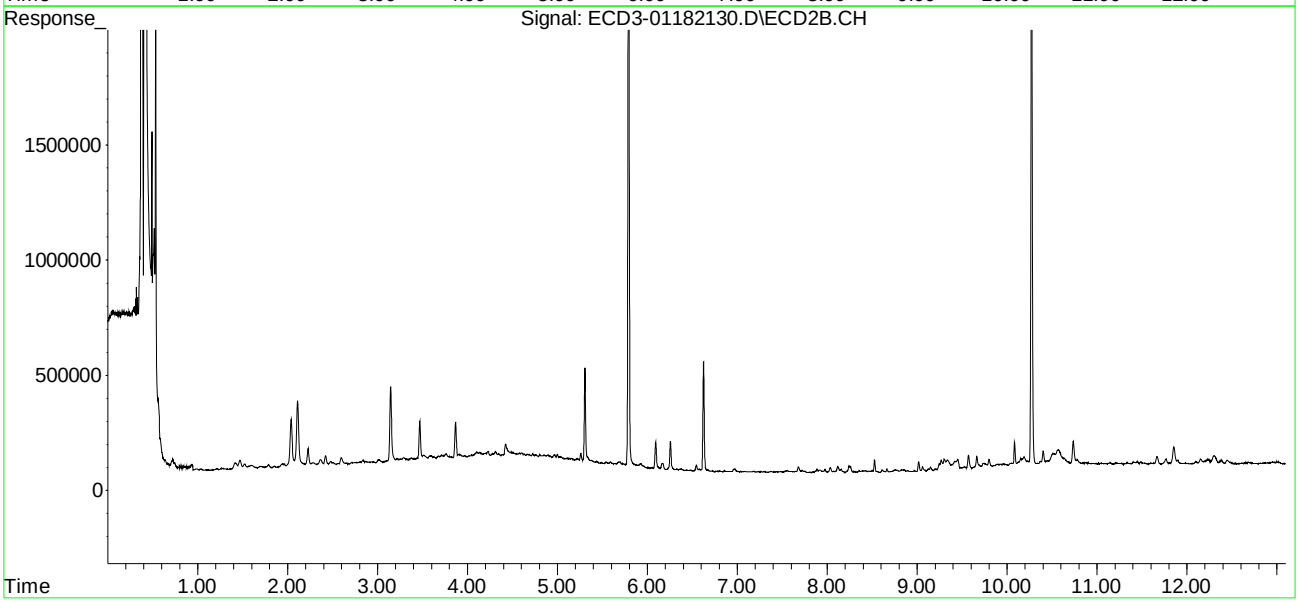
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182130.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 20:51
Operator : MJB
Sample : A0K0482-12RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:12:16 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182131.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 21:08
Operator : MJB
Sample : A0K0482-13RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:13:10 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.476	5.789	5445019	3662250	29.372	33.754	
22) S	DCBP (S)	9.675	10.276	5072966	2899531	46.138	48.046	
	Target Compounds							
2)	a-BHC	6.014	0.000	8025	0	0.034	N.D.	#
3)	g-BHC	6.322	6.672f	7593	9106	0.036	0.070	#
4)	b-BHC	0.000	6.781	0	4358	N.D.	2944.396	#
5)	Heptachlor	6.694	0.000	19668	0	0.101	N.D.	#
6)	d-BHC	6.539	6.978f	10258	15219	0.053	0.129	#
7)	Aldrin	6.948	0.000	6301	0	0.031	N.D.	#
8)	Heptachlo...	7.412	7.737f	11860	69585	44971.000	0.511	#
9)	trans-Chl...	7.511	7.912	4710	12547	0.025	6778.142	#
10)	cis-Chlor...	7.617	8.039f	7663	32990	BelowCal	0.152	
11)	Endosulfa...	7.723	8.039f	1063	32990	0.006	0.324	#
12)	4,4'-DDE	7.644	8.154f	28624	19407	0.155	0.172	
13)	Dieldrin	7.869	8.249	15620	15065	0.085	0.134	#
14)	Endrin	8.061	0.000	9684	0	0.071	N.D.	#
15)	4,4'-DDD	8.093	8.529	43219	4655	0.301	0.053	#
16)	Endosulfa...	8.211	8.626	10854	7345	0.077	0.084	
17)	4,4'-DDT	8.319f	8.758	51915	18674	0.409	0.258	
18)	Endrin Al...	8.477f	8.831f	22272	11840	BelowCal	BelowCal	
19)	Endosulfa...	8.805	9.081f	10489	7769	0.080	0.105	
20)	Methoxychlor	8.611	9.219	15858	15143	0.124	0.288	#
21)	Endrin Ke...	9.000	9.457	57637	39507	0.412	0.482	
23)	Hexachlor...	3.276	3.505	13416	11752	2844.105	1294.065	#
24)	Hexachlor...	5.860	6.258	12212	13475	BelowCal	3052.498	
25)	Oxychlordane	7.309f	7.688	18247	8507	BelowCal	24475.422	
26)	2,4'-DDE	7.412	7.886	11860	9136	5794.768	11271.779	#
27)	trans-Non...	7.617f	7.971	7663	8638	34192.570	74602.227	#
28)	2,4'-DDD	7.786	8.249	5595	15065	BelowCal	BelowCal	
29)	2,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182131.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 21:08
Operator : MJB
Sample : A0K0482-13RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:13:10 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

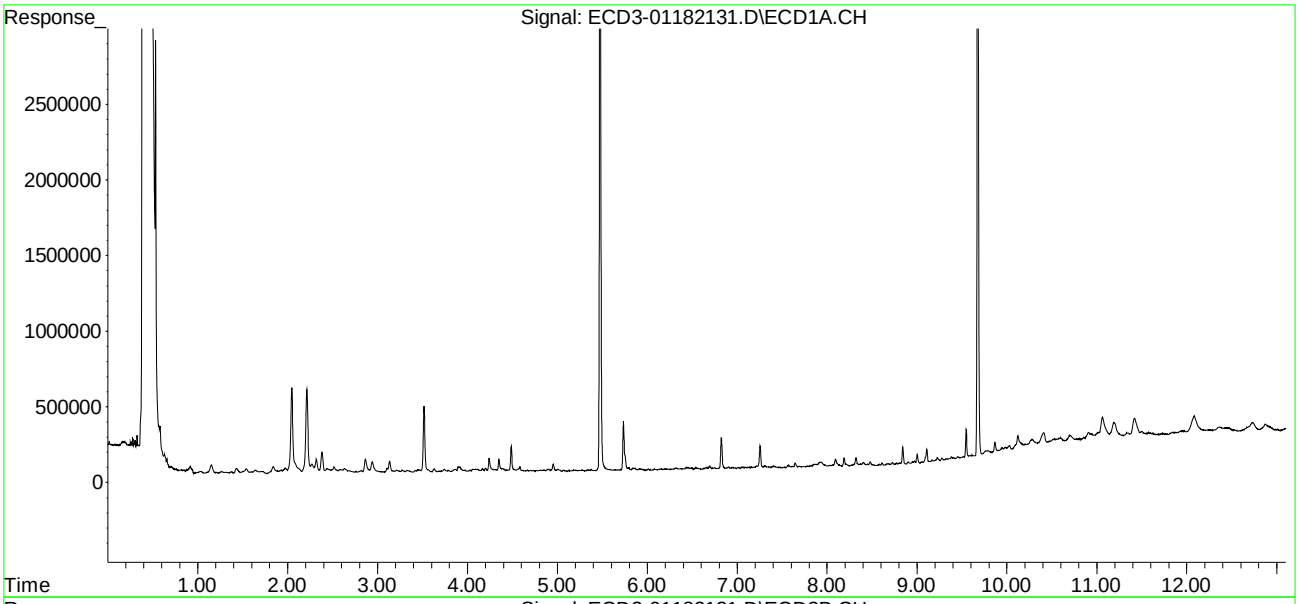
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.061	8.529	9684	4655	BelowCal	BelowCal	
31)	Mirex	8.726	9.423	13262	7069	BelowCal	14371.973	
32)	Chlordane...	7.567f	7.952	17406	5860	0.855	0.438	#
33)	Chlordane...	7.644	8.039f	28624	32990	1.476	2.925	#
34)	Chlordane...	8.188	0.000	52244	0	8.680	N.D.	#
35)	Chlordane...	0.000	3.761	0	17448	N.D.	NoCal	
36)	Toxaphene...	7.617	8.290	7663	3599	9.489	2.910	#
37)	Toxaphene...	7.920	8.626	28327	7345	14.063	5.231	#
38)	Toxaphene...	8.211f	8.665	10854	6836	3.200	3.407	
39)	Toxaphene...	8.477	8.758f	22272	18674	6.327	5.610	
40)	Toxaphene...	8.699	0.000	5349	0	1.973	N.D.	#
41)	Toxaphene...	8.770	9.267	11016	76524	3.493	37.684	#
42)	Toxaphene...	0.000	3.761	0	17448	N.D.	NoCal	

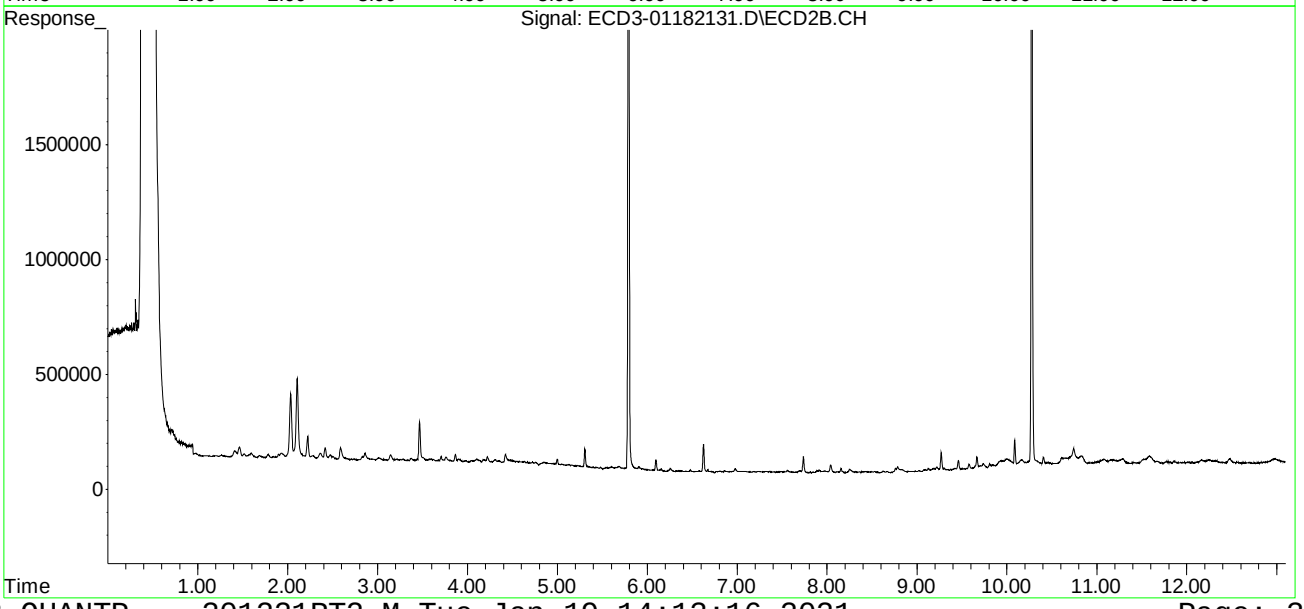
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182131.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 21:08
Operator : MJB
Sample : A0K0482-13RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:13:10 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

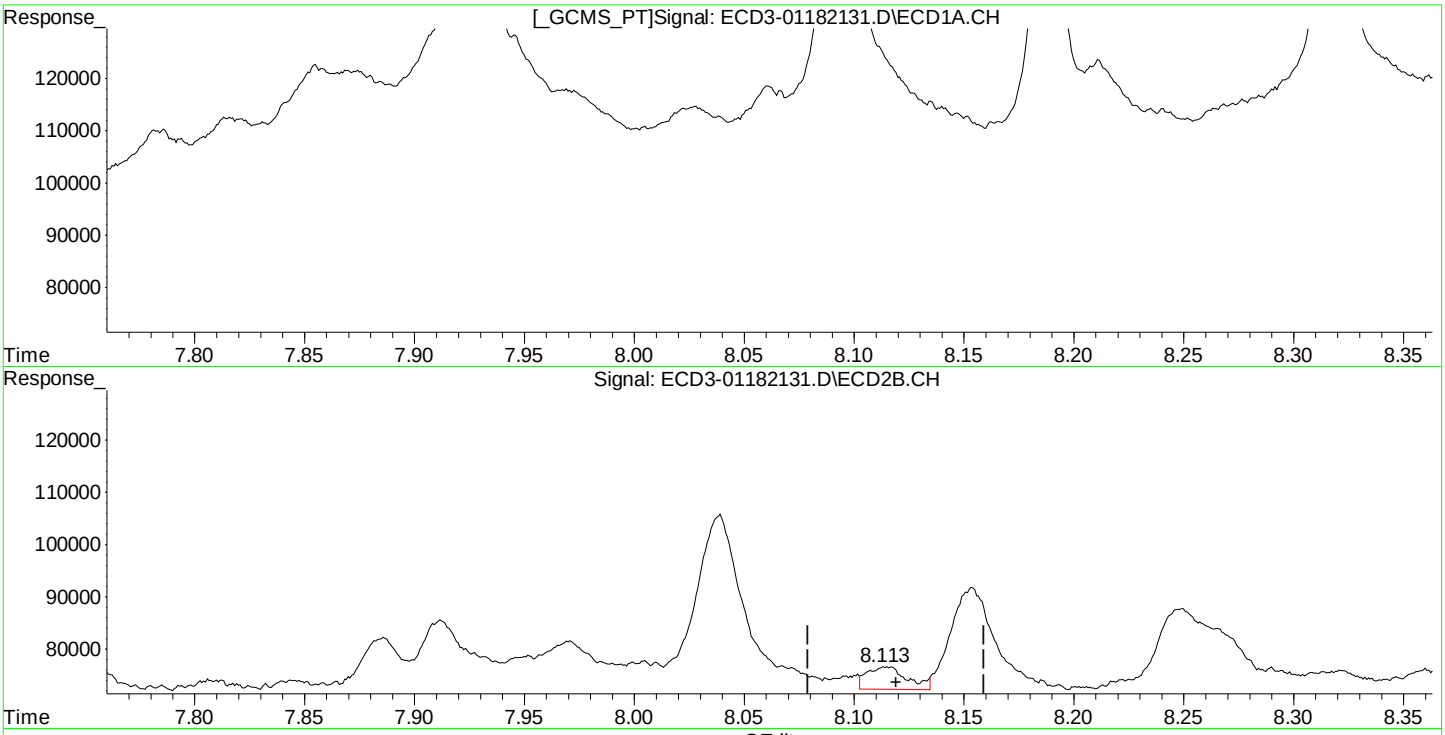




Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182131.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 21:08
Operator : MJB
Sample : A0K0482-13RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:13:10 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(12) 4,4'-DDE
7.644min 0.155 ng/mL
response 28624

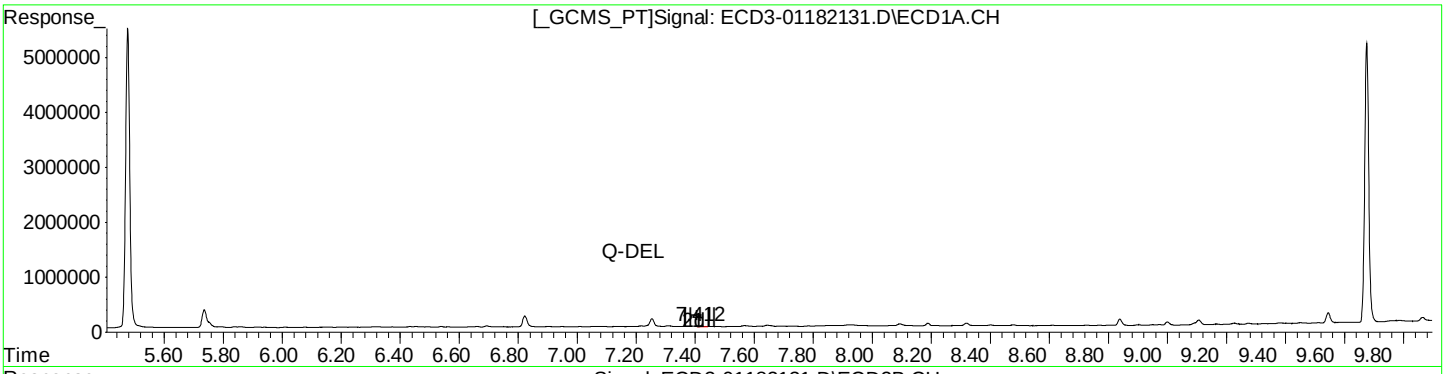
(12) 4,4'-DDE #2
8.113min 0.038 ng/mL m
response 4318

(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182131.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 21:08
Operator : MJB
Sample : A0K0482-13RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:13:10 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



QEdit

(26) 2,4'-DDE

~~7.412min 5794.768 ng/mL~~

response ~~11860~~

(26) 2,4'-DDE #2

~~7.886min~~ ~~11271.779 ng/mL~~

response ~~9136~~

(+) = Expected Retention Time

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182131.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 21:08
Operator : MJB
Sample : A0K0482-13RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 1/19/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:14:05 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.476	5.789	5445019	3662250	29.372	33.754	
22)	S DCBP (S)	9.675	10.276	5072966	2899531	46.138	48.046	
	Target Compounds							
2)	a-BHC	6.014	0.000	8025	0	0.034	N.D.	#
3)	g-BHC	6.322	6.672f	7593	9106	0.036	0.070	#
4)	b-BHC	0.000	6.781	0	4358	N.D.	2944.396	#
5)	Heptachlor	6.694	0.000	19668	0	0.101	N.D.	#
6)	d-BHC	6.539	6.978f	10258	15219	0.053	0.129	#
7)	Aldrin	6.948	0.000	6301	0	0.031	N.D.	#
8)	Heptachlo...	7.412	7.737f	11860	69585	44971.000	0.511	#
9)	trans-Chl...	7.511	7.912	4710	12547	0.025	6778.142	#
10)	cis-Chlor...	7.617	8.039f	7663	32990	BelowCal	0.152	
11)	Endosulfa...	7.723	8.039f	1063	32990	0.006	0.324	#
12)	4,4'-DDE	7.644	8.113	28624	4318	0.155	0.038m	#
13)	Dieldrin	7.869	8.249	15620	15065	0.085	0.134	#
14)	Endrin	8.061	0.000	9684	0	0.071	N.D.	#
15)	4,4'-DDD	8.093	8.529	43219	4655	0.301	0.053	#
16)	Endosulfa...	8.211	8.626	10854	7345	0.077	0.084	
17)	4,4'-DDT	8.319f	8.758	51915	18674	0.409	0.258	
18)	Endrin Al...	8.477f	8.831f	22272	11840	BelowCal	BelowCal	
19)	Endosulfa...	8.805	9.081f	10489	7769	0.080	0.105	
20)	Methoxychlor	8.611	9.219	15858	15143	0.124	0.288	#
21)	Endrin Ke...	9.000	9.457	57637	39507	0.412	0.482	
23)	Hexachlor...	3.276	3.505	13416	11752	2844.105	1294.065	#
24)	Hexachlor...	5.860	6.258	12212	13475	BelowCal	3052.498	
25)	Oxychlordane	7.309f	7.688	18247	8507	BelowCal	24475.422	
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d	
27)	trans-Non...	7.617f	7.971	7663	8638	34192.570	74602.227	#
28)	2,4'-DDD	7.786	8.249	5595	15065	BelowCal	BelowCal	
29)	2,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182131.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 21:08
Operator : MJB
Sample : A0K0482-13RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:14:05 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

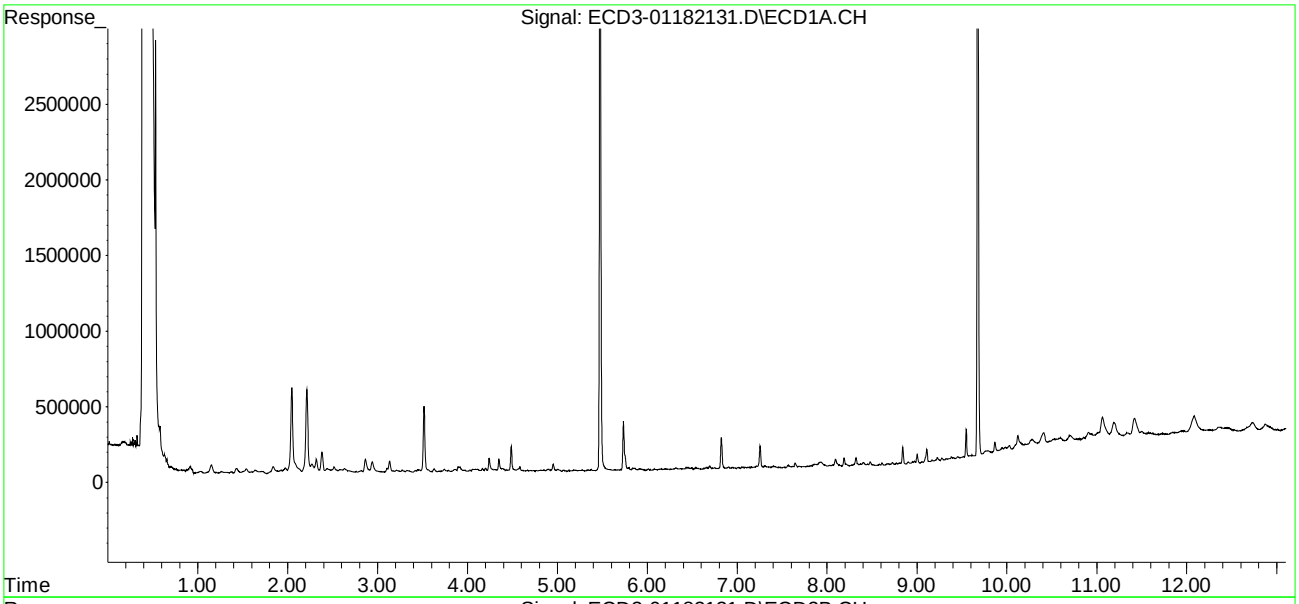
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.061	8.529	9684	4655	BelowCal	BelowCal	
31)	Mirex	8.726	9.423	13262	7069	BelowCal	14371.973	
32)	Chlordane...	7.567f	7.952	17406	5860	0.855	0.438	#
33)	Chlordane...	7.644	8.039f	28624	32990	1.476	2.925	#
34)	Chlordane...	8.188	0.000	52244	0	8.680	N.D.	#
35)	Chlordane...	0.000	3.761	0	17448	N.D.	NoCal	
36)	Toxaphene...	7.617	8.290	7663	3599	9.489	2.910	#
37)	Toxaphene...	7.920	8.626	28327	7345	14.063	5.231	#
38)	Toxaphene...	8.211f	8.665	10854	6836	3.200	3.407	
39)	Toxaphene...	8.477	8.758f	22272	18674	6.327	5.610	
40)	Toxaphene...	8.699	0.000	5349	0	1.973	N.D.	#
41)	Toxaphene...	8.770	9.267	11016	76524	3.493	37.684	#
42)	Toxaphene...	0.000	3.761	0	17448	N.D.	NoCal	

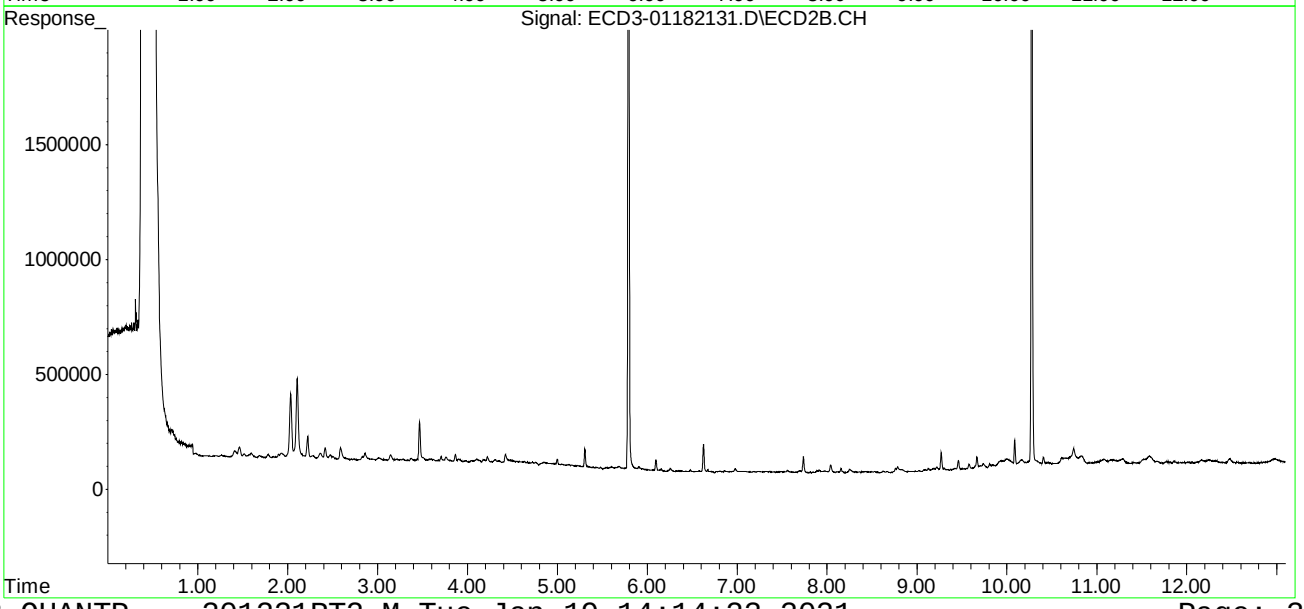
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182131.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 21:08
Operator : MJB
Sample : A0K0482-13RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:14:05 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182132.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 21:25
Operator : MJB
Sample : A0K0482-14RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:15:13 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.476	5.789	4244520	2831436	22.896	26.001	
22) S	DCBP (S)	9.675	10.275	4550849	2516948	41.322	41.579	
	Target Compounds							
2)	a-BHC	6.010	6.375	5215	6752	0.022	0.046	#
3)	g-BHC	6.320	6.671f	7705	8054	0.037	0.062	#
4)	b-BHC	6.399	6.782	6184	3883	9545.023	2944.404	#
5)	Heptachlor	6.693	0.000	15729	0	0.080	N.D.	#
6)	d-BHC	6.538	6.977f	8443	11243	0.043	0.095	#
7)	Aldrin	0.000	0.000	0	0	N.D.	N.D.	
8)	Heptachlo...	7.410	0.000	7084	0	44971.028	N.D.	#
9)	trans-Chl...	0.000	7.912	0	7580	N.D.	6778.187	#
10)	cis-Chlor...	7.613	8.039f	7306	19481	BelowCal	0.023	
11)	Endosulfa...	7.721	8.039f	5382	19481	0.033	0.191	#
12)	4,4'-DDE	7.644	8.152f	23849	13082	0.129	0.116	
13)	Dieldrin	7.876	8.264	7308	15992	0.040	0.143	#
14)	Endrin	0.000	0.000	0	0	N.D.	N.D.	
15)	4,4'-DDD	8.093	8.529	31642	5661	0.221	0.064	#
16)	Endosulfa...	8.188f	8.627	34583	4780	0.245	0.055	#
17)	4,4'-DDT	8.318f	8.755	29500	10243	0.233	0.142	
18)	Endrin Al...	8.514	8.833f	7555	3245	BelowCal	BelowCal	
19)	Endosulfa...	8.806	9.068	7512	15812	0.058	0.213	#
20)	Methoxychlor	8.611	9.219	18758	11954	0.174	0.194	
21)	Endrin Ke...	9.000	9.457	35163	97181	0.251	1.185	#
23)	Hexachlor...	3.276	3.508	11119	14313	2844.119	1294.044	#
24)	Hexachlor...	5.860	6.258	9292	18092	BelowCal	3052.455	
25)	Oxychlordane	7.305f	7.685	16535	6240	BelowCal	24475.447	
26)	2,4'-DDE	7.410	7.882	7084	4926	5794.810	11271.838	#
27)	trans-Non...	7.613f	0.000	7306	0	34192.573	N.D.	#
28)	2,4'-DDD	7.784	8.264	9966	15992	BelowCal	BelowCal	
29)	2,4'-DDT	7.939f	0.000	8560	0	BelowCal	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182132.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 21:25
Operator : MJB
Sample : A0K0482-14RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:15:13 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

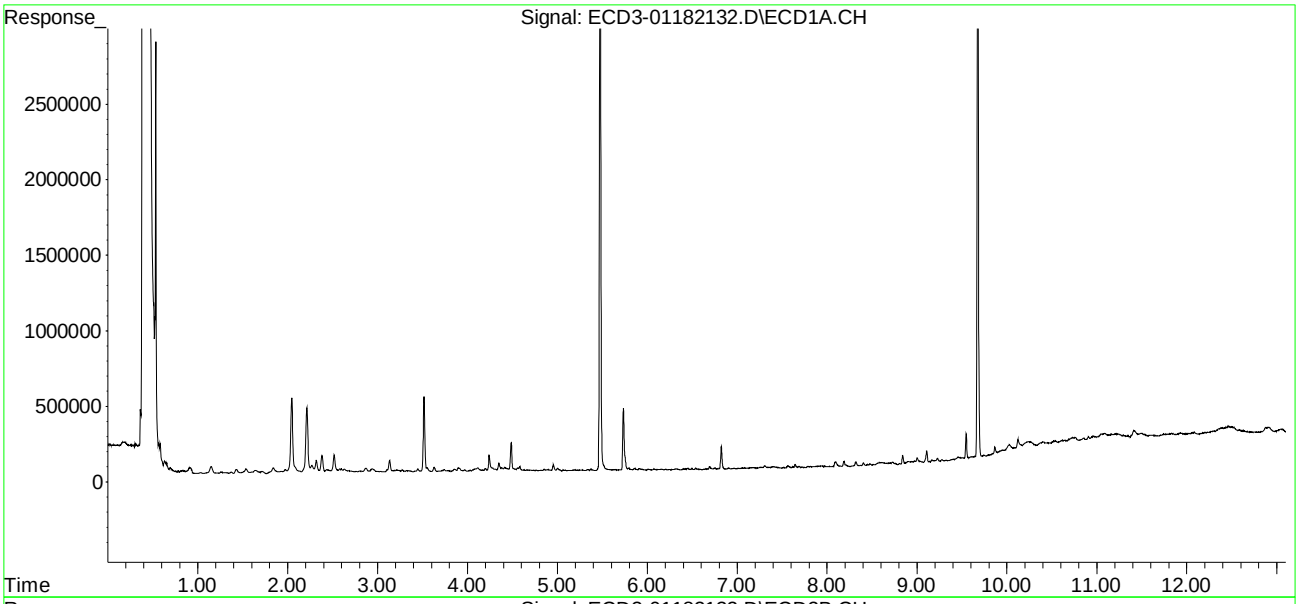
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.093f	8.529	31642	5661	BelowCal	BelowCal	
31)	Mirex	8.726	9.457f	17794	97181	BelowCal	1.193	
32)	Chlordane...	7.566f	0.000	15598	0	0.766	N.D.	#
33)	Chlordane...	7.644	8.039f	23849	19481	1.229	1.727	#
34)	Chlordane...	8.188	8.726	34583	5754	5.746	1.613	#
35)	Chlordane...	0.000	3.762	0	15910	N.D.	NoCal	
36)	Toxaphene...	7.613	8.264f	7306	15992	9.046	12.933	#
37)	Toxaphene...	7.939f	8.627	8560	4780	2.567	3.404	
38)	Toxaphene...	0.000	8.666	0	12003	N.D.	5.982	#
39)	Toxaphene...	8.476	8.726	12870	5754	3.656	1.729	#
40)	Toxaphene...	8.726f	0.000	17794	0	6.562	N.D.	#
41)	Toxaphene...	8.806f	9.267	7512	46915	2.382	23.103	#
42)	Toxaphene...	0.000	3.762	0	15910	N.D.	NoCal	

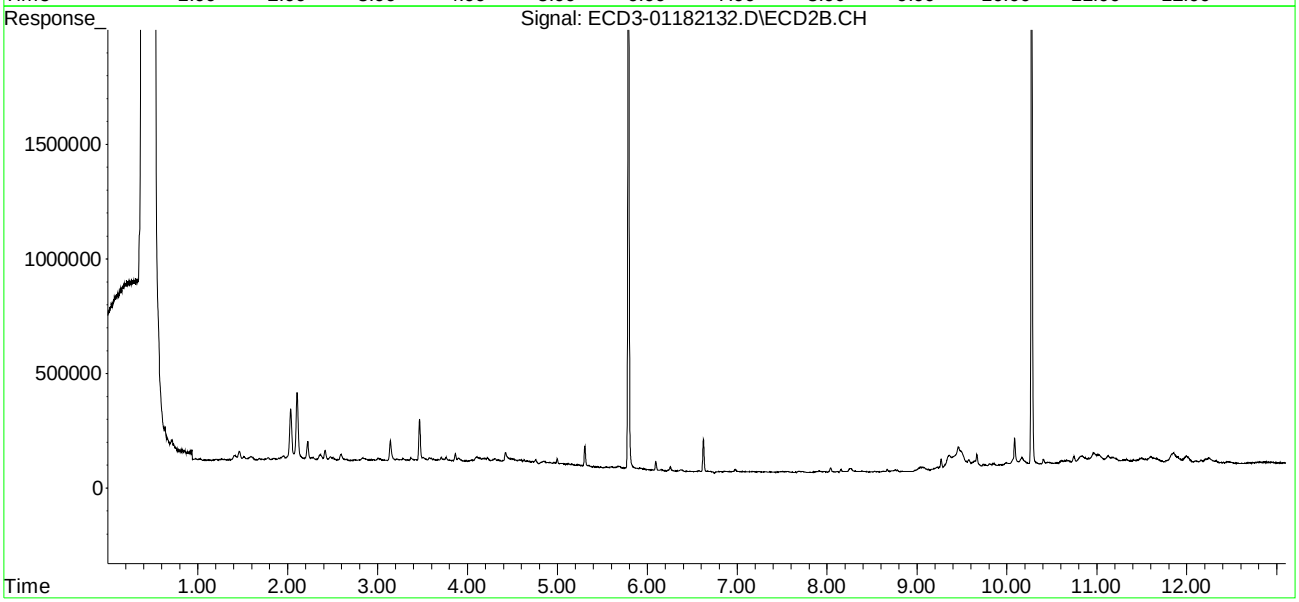
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182132.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 21:25
Operator : MJB
Sample : A0K0482-14RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:15:13 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

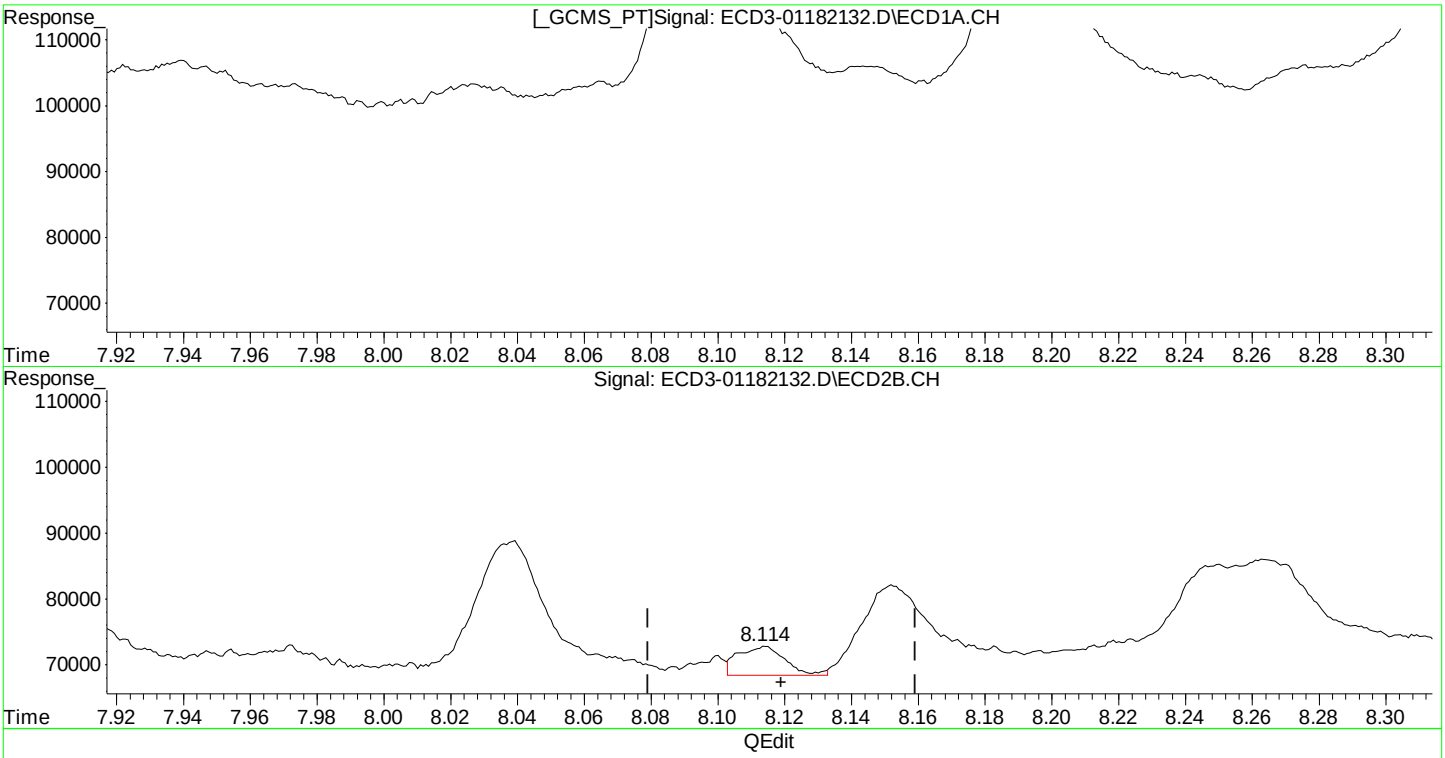




Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182132.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 21:25
Operator : MJB
Sample : A0K0482-14RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:15:13 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(12) 4,4'-DDE
7.644min 0.129 ng/mL
response 23849

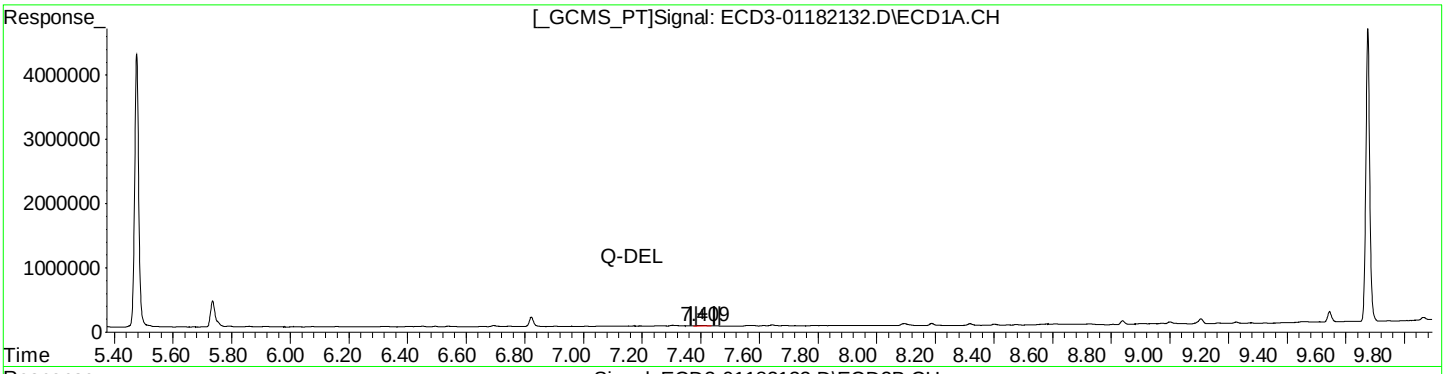
(12) 4,4'-DDE #2
8.114min 0.040 ng/mL m
response 4497

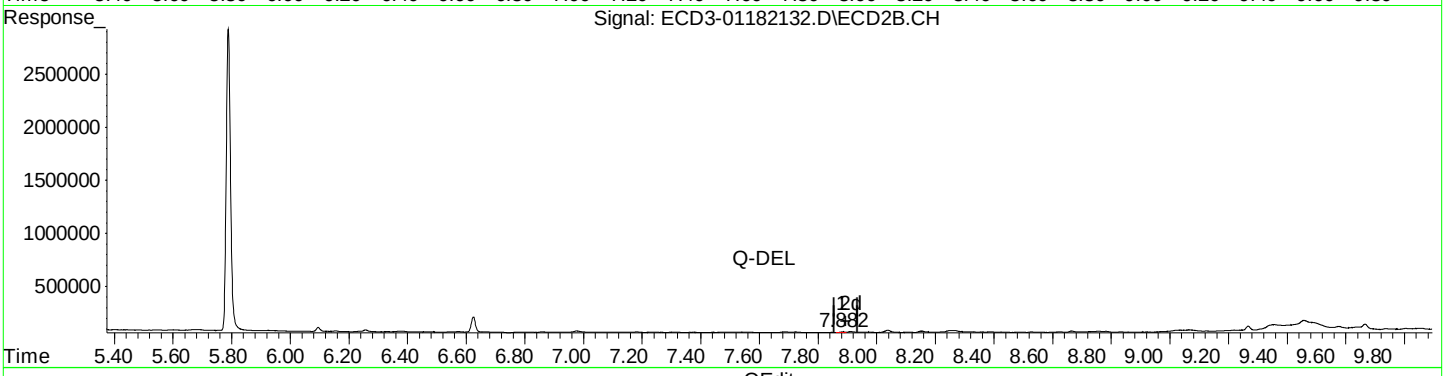
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182132.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 21:25
Operator : MJB
Sample : A0K0482-14RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:15:13 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





QEdit

(26) 2,4'-DDE

~~7.410min 5794.810 ng/mL~~

response ~~7084~~

(26) 2,4'-DDE #2

~~7.882min 11271.838 ng/mL~~

response ~~4926~~

(+) = Expected Retention Time

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182132.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 21:25
Operator : MJB
Sample : A0K0482-14RE1 MJB 1/19/21
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:16:15 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.476	5.789	4244520	2831436	22.896	26.001	
22) S	DCBP (S)	9.675	10.275	4550849	2516948	41.322	41.579	
	Target Compounds							
2)	a-BHC	6.010	6.375	5215	6752	0.022	0.046	#
3)	g-BHC	6.320	6.671f	7705	8054	0.037	0.062	#
4)	b-BHC	6.399	6.782	6184	3883	9545.023	2944.404	#
5)	Heptachlor	6.693	0.000	15729	0	0.080	N.D.	#
6)	d-BHC	6.538	6.977f	8443	11243	0.043	0.095	#
7)	Aldrin	0.000	0.000	0	0	N.D.	N.D.	
8)	Heptachlo...	7.410	0.000	7084	0	44971.028	N.D.	#
9)	trans-Chl...	0.000	7.912	0	7580	N.D.	6778.187	#
10)	cis-Chlor...	7.613	8.039f	7306	19481	BelowCal	0.023	
11)	Endosulfa...	7.721	8.039f	5382	19481	0.033	0.191	#
12)	4,4'-DDE	7.644	8.114	23849	4497	0.129	0.040m	#
13)	Dieldrin	7.876	8.264	7308	15992	0.040	0.143	#
14)	Endrin	0.000	0.000	0	0	N.D.	N.D.	
15)	4,4'-DDD	8.093	8.529	31642	5661	0.221	0.064	#
16)	Endosulfa...	8.188f	8.627	34583	4780	0.245	0.055	#
17)	4,4'-DDT	8.318f	8.755	29500	10243	0.233	0.142	
18)	Endrin Al...	8.514	8.833f	7555	3245	BelowCal	BelowCal	
19)	Endosulfa...	8.806	9.068	7512	15812	0.058	0.213	#
20)	Methoxychlor	8.611	9.219	18758	11954	0.174	0.194	
21)	Endrin Ke...	9.000	9.457	35163	97181	0.251	1.185	#
23)	Hexachlor...	3.276	3.508	11119	14313	2844.119	1294.044	#
24)	Hexachlor...	5.860	6.258	9292	18092	BelowCal	3052.455	
25)	Oxychlordane	7.305f	7.685	16535	6240	BelowCal	24475.447	
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d	
27)	trans-Non...	7.613f	0.000	7306	0	34192.573	N.D.	#
28)	2,4'-DDD	7.784	8.264	9966	15992	BelowCal	BelowCal	
29)	2,4'-DDT	7.939f	0.000	8560	0	BelowCal	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182132.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 21:25
Operator : MJB
Sample : A0K0482-14RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:16:15 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

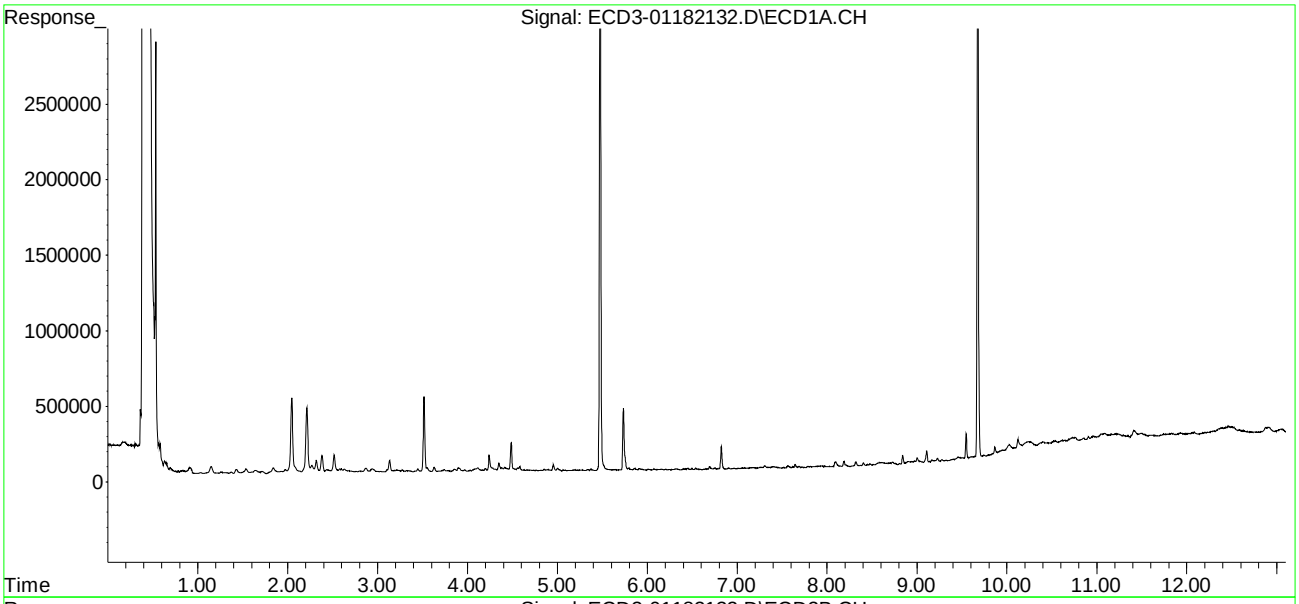
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.093f	8.529	31642	5661	BelowCal	BelowCal	
31)	Mirex	8.726	9.457f	17794	97181	BelowCal	1.193	
32)	Chlordane...	7.566f	0.000	15598	0	0.766	N.D.	#
33)	Chlordane...	7.644	8.039f	23849	19481	1.229	1.727	#
34)	Chlordane...	8.188	8.726	34583	5754	5.746	1.613	#
35)	Chlordane...	0.000	3.762	0	15910	N.D.	NoCal	
36)	Toxaphene...	7.613	8.264f	7306	15992	9.046	12.933	#
37)	Toxaphene...	7.939f	8.627	8560	4780	2.567	3.404	
38)	Toxaphene...	0.000	8.666	0	12003	N.D.	5.982	#
39)	Toxaphene...	8.476	8.726	12870	5754	3.656	1.729	#
40)	Toxaphene...	8.726f	0.000	17794	0	6.562	N.D.	#
41)	Toxaphene...	8.806f	9.267	7512	46915	2.382	23.103	#
42)	Toxaphene...	0.000	3.762	0	15910	N.D.	NoCal	

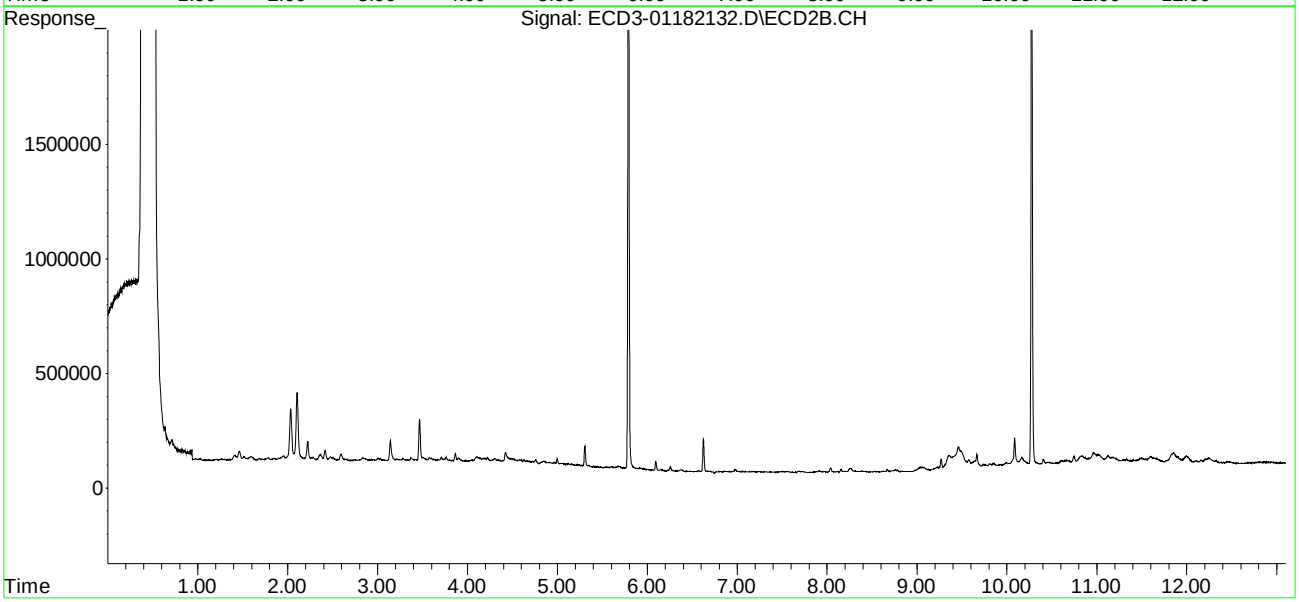
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182132.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 21:25
Operator : MJB
Sample : A0K0482-14RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:16:15 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182133.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 21:42
Operator : MJB
Sample : A0K0482-18RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:17:40 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.476	5.789	4621255	2938908	24.928	27.002	
22) S	DCBP (S)	9.674	10.274	4748052	2669919	43.140	44.161	
	Target Compounds							
2)	a-BHC	6.010	0.000	6208	0	0.026	N.D.	#
3)	g-BHC	0.000	6.670f	0	4966	N.D.	0.038	#
4)	b-BHC	0.000	0.000	0	0	N.D.	N.D.	
5)	Heptachlor	6.695	0.000	15369	0	0.079	N.D.	#
6)	d-BHC	6.539	6.980f	13388	11233	0.069	0.095	
7)	Aldrin	0.000	0.000	0	0	N.D.	N.D.	
8)	Heptachlo...	7.398	0.000	8257	0	44971.021	N.D.	#
9)	trans-Chl...	7.512	7.910	8310	11156	0.045	6778.155	#
10)	cis-Chlor...	7.616	8.035f	6609	15340	BelowCal	4425.501	
11)	Endosulfa...	0.000	8.035f	0	15340	N.D.	0.151	#
12)	4,4'-DDE	7.644	8.153f	28673	7775	0.156	0.069	#
13)	Dieldrin	0.000	8.260	0	4011	N.D.	0.036	#
14)	Endrin	8.089f	0.000	9300	0	0.068	N.D.	#
15)	4,4'-DDD	8.089	8.527	9300	4702	0.065	0.054	
16)	Endosulfa...	8.189f	8.628	23678	3908	0.168	0.045	#
17)	4,4'-DDT	8.318f	8.758	22886	3954	0.180	0.055	#
18)	Endrin Al...	8.480f	8.835f	11438	3307	BelowCal	BelowCal	
19)	Endosulfa...	8.810	9.079f	6178	3212	0.047	0.043	
20)	Methoxychlor	0.000	0.000	0	0	N.D.	N.D.	
21)	Endrin Ke...	9.000	9.455	18524	15681	0.132	0.191	#
23)	Hexachlor...	3.275	3.509	9770	15610	2844.126	1294.034	#
24)	Hexachlor...	5.860	6.256	12477	33494	BelowCal	0.052	
25)	Oxychlordane	7.314f	7.723f	5479	3886	BelowCal	24475.473	
26)	2,4'-DDE	7.398	7.885	8257	5688	5794.800	11271.827	#
27)	trans-Non...	7.616f	0.000	6609	0	34192.577	N.D.	#
28)	2,4'-DDD	7.818f	8.260	3179	4011	BelowCal	BelowCal	
29)	2,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182133.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 21:42
Operator : MJB
Sample : A0K0482-18RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:17:40 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

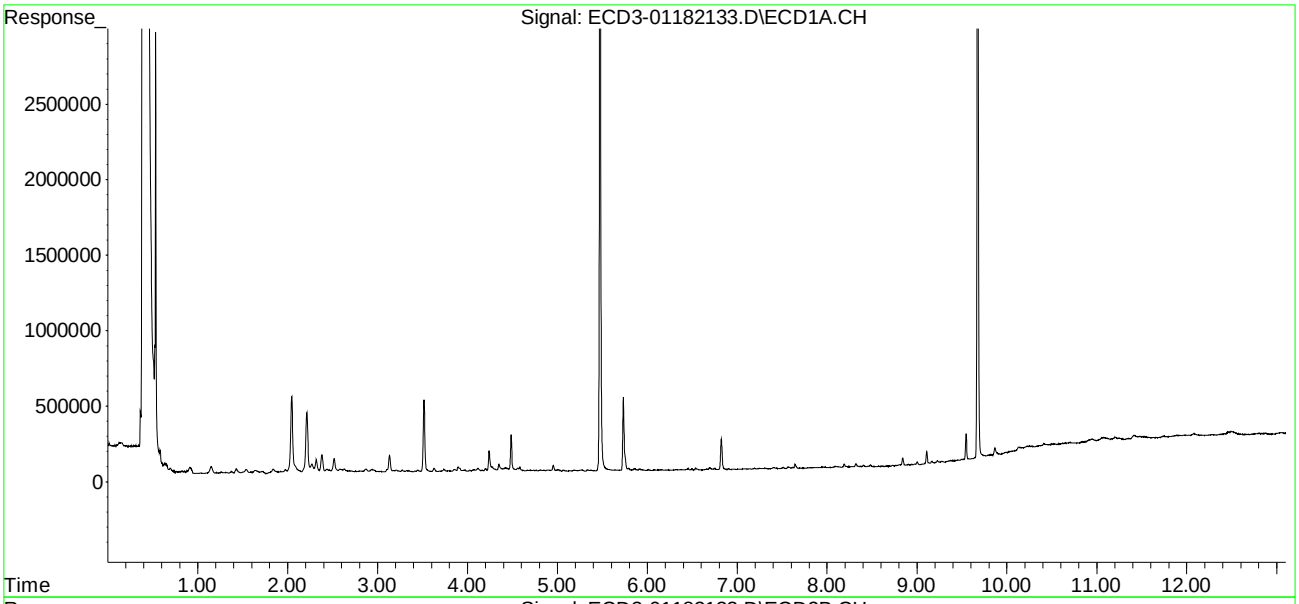
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.089	8.527	9300	4702	BelowCal	BelowCal	
31)	Mirex	8.727	9.422	5996	12511	BelowCal	14371.886	
32)	Chlordane...	7.566f	0.000	9998	0	0.491	N.D.	#
33)	Chlordane...	7.644	8.035f	28673	15340	1.478	1.360	
34)	Chlordane...	8.189	0.000	23678	0	3.934	N.D.	#
35)	Chlordane...	0.000	3.762	0	15997	N.D.	NoCal	
36)	Toxaphene...	7.616	8.260f	6609	4011	8.182	3.244	#
37)	Toxaphene...	0.000	8.628	0	3908	N.D.	2.783	#
38)	Toxaphene...	0.000	8.665	0	4693	N.D.	2.339	#
39)	Toxaphene...	8.480	8.758f	11438	3954	3.249	1.188	#
40)	Toxaphene...	8.727f	0.000	5996	0	2.211	N.D.	#
41)	Toxaphene...	8.768	9.300	4117	6490	1.306	3.196	#
42)	Toxaphene...	0.000	3.762	0	15997	N.D.	NoCal	

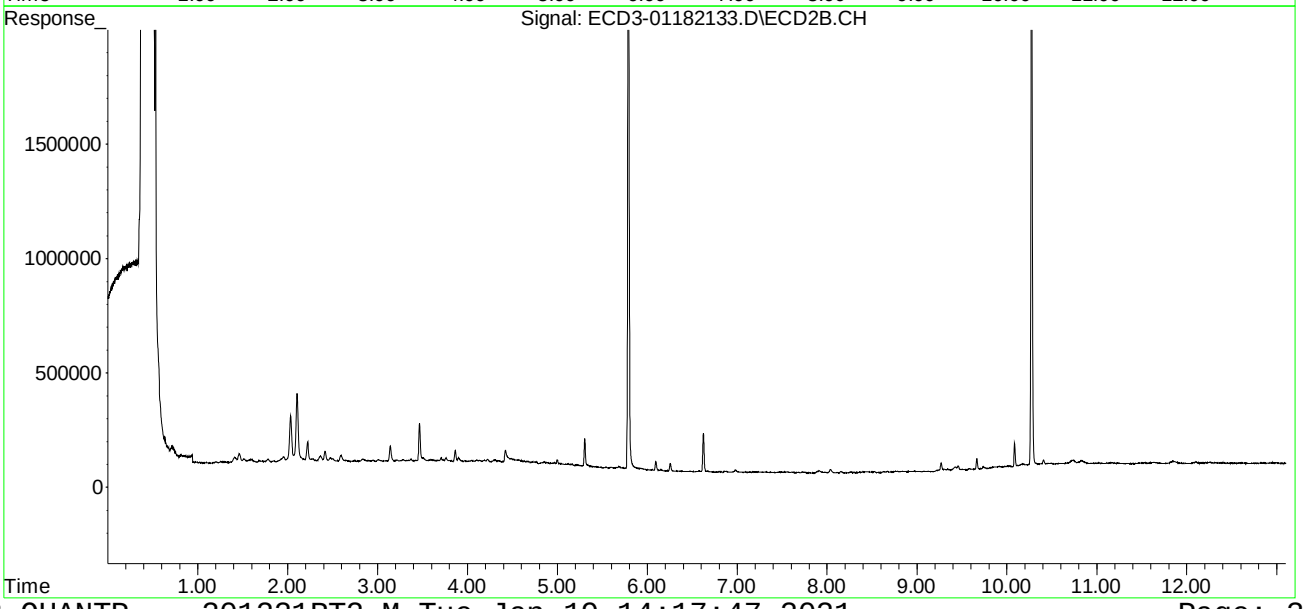
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182133.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 21:42
Operator : MJB
Sample : A0K0482-18RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:17:40 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

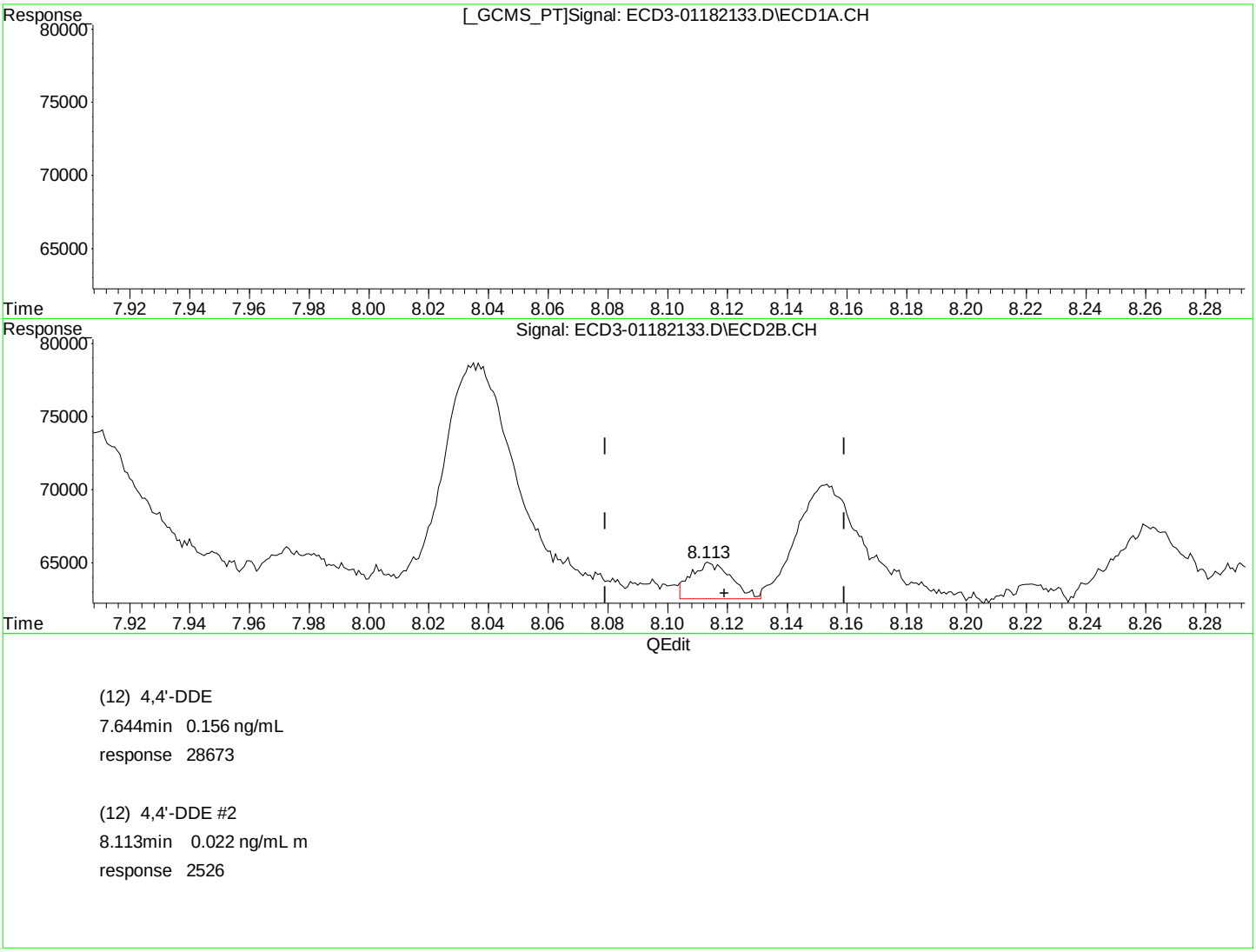




Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182133.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 21:42
Operator : MJB
Sample : A0K0482-18RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:17:40 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(12) 4,4'-DDE
7.644min 0.156 ng/mL
response 28673

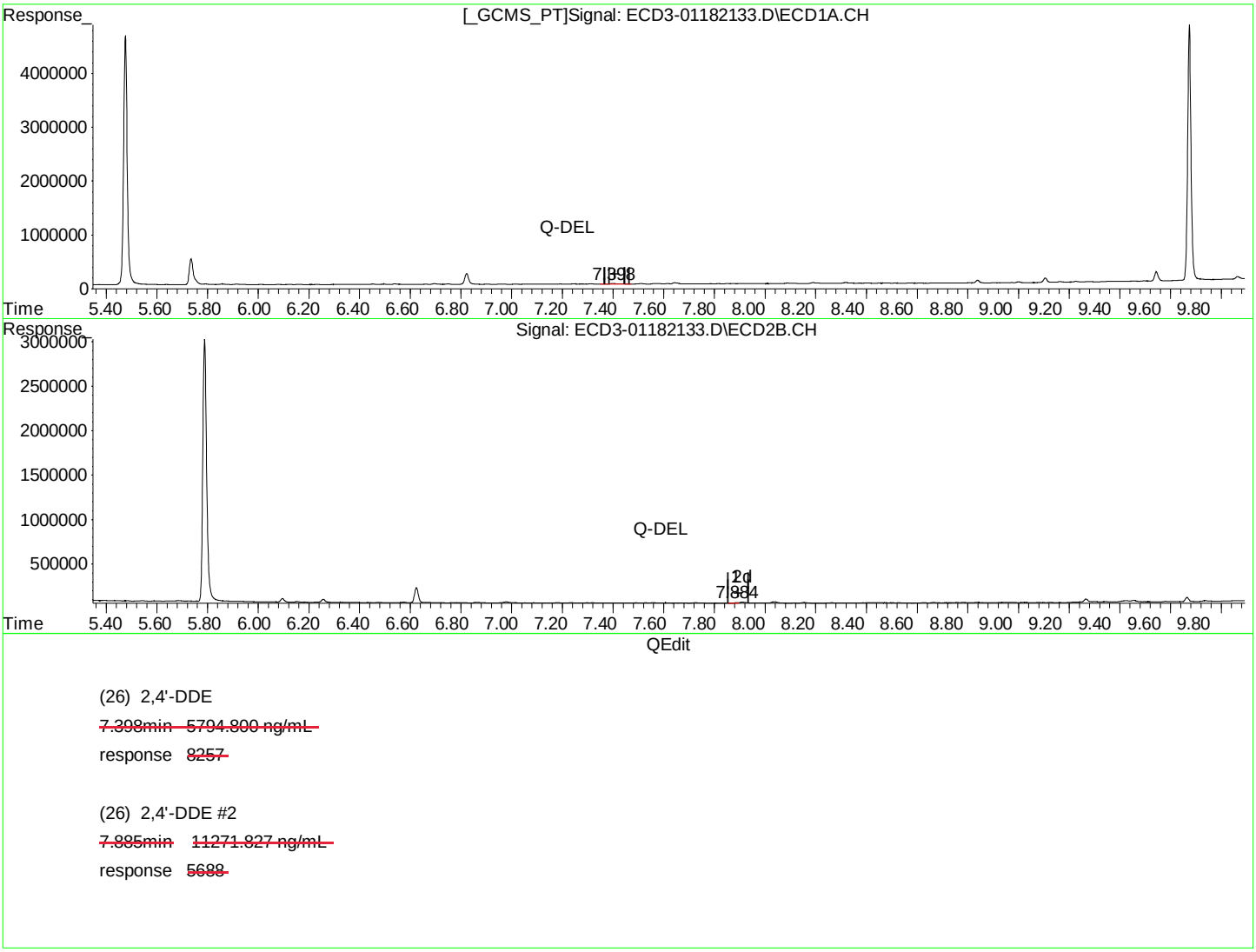
(12) 4,4'-DDE #2
8.113min 0.022 ng/mL m
response 2526

(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182133.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 21:42
Operator : MJB
Sample : A0K0482-18RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:17:40 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(26) 2,4'-DDE
~~7.398min 5794.800 ng/mL~~
response ~~8257~~

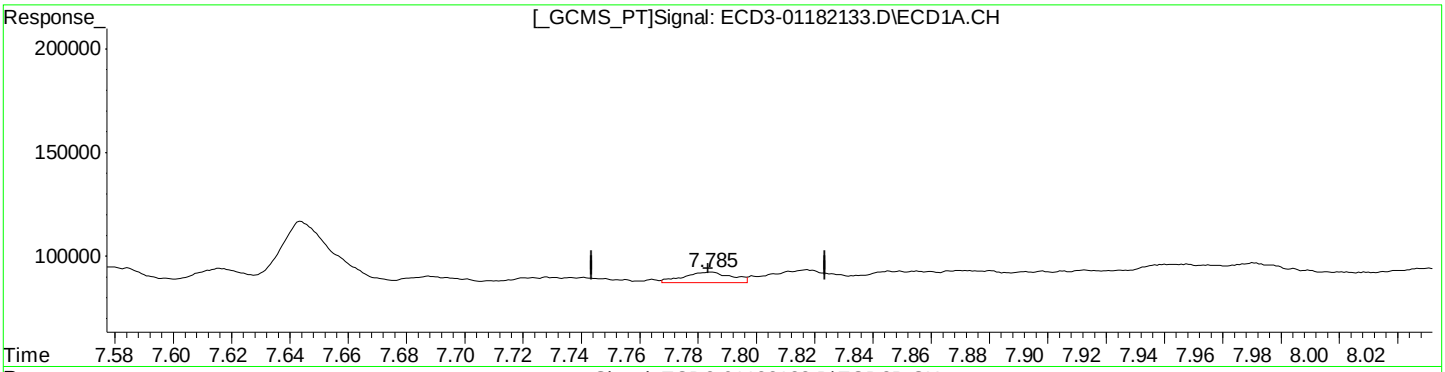
(26) 2,4'-DDE #2
~~7.885min 11271.827 ng/mL~~
response ~~5688~~

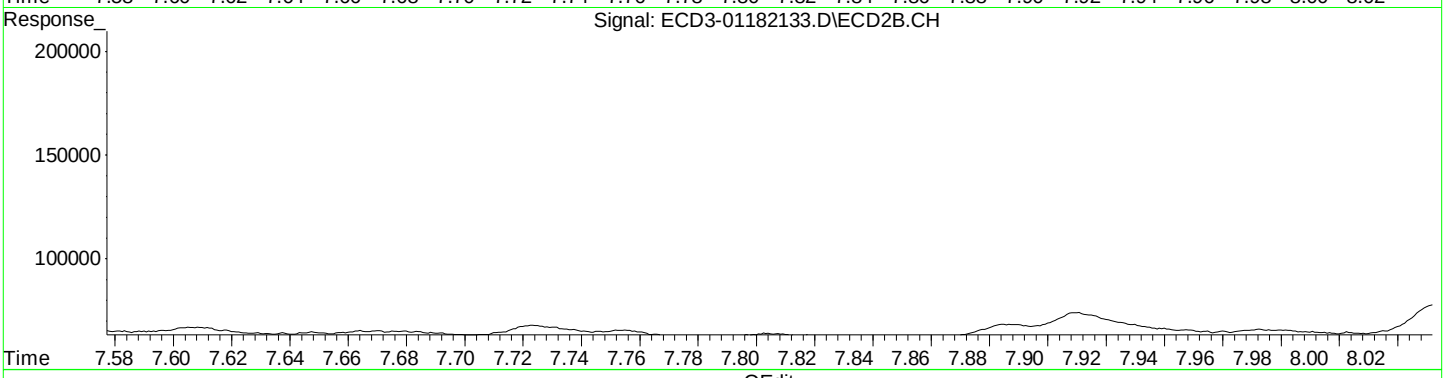
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182133.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 21:42
Operator : MJB
Sample : A0K0482-18RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:17:40 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





QEdit

(28) 2,4'-DDD
7.785min -0.144 ng/mL m
response 5139

(28) 2,4'-DDD #2
8.260min -0.196 ng/mL
response 4011

(+) = Expected Retention Time
ECD3_QUANTP..._201221RT2.M Tue Jan 19 14:18:47 2021 Page: 1

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182133.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 21:42
Operator : MJB
Sample : A0K0482-18RE1 MJB 1/19/21
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:18:45 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.476	5.789	4621255	2938908	24.928	27.002	
22)	S DCBP (S)	9.674	10.274	4748052	2669919	43.140	44.161	
	Target Compounds							
2)	a-BHC	6.010	0.000	6208	0	0.026	N.D.	#
3)	g-BHC	0.000	6.670f	0	4966	N.D.	0.038	#
4)	b-BHC	0.000	0.000	0	0	N.D.	N.D.	
5)	Heptachlor	6.695	0.000	15369	0	0.079	N.D.	#
6)	d-BHC	6.539	6.980f	13388	11233	0.069	0.095	
7)	Aldrin	0.000	0.000	0	0	N.D.	N.D.	
8)	Heptachlo...	7.398	0.000	8257	0	44971.021	N.D.	#
9)	trans-Chl...	7.512	7.910	8310	11156	0.045	6778.155	#
10)	cis-Chlor...	7.616	8.035f	6609	15340	BelowCal	4425.501	
11)	Endosulfa...	0.000	8.035f	0	15340	N.D.	0.151	#
12)	4,4'-DDE	7.644	8.113	28673	2526	0.156	0.022m	#
13)	Dieldrin	0.000	8.260	0	4011	N.D.	0.036	#
14)	Endrin	8.089f	0.000	9300	0	0.068	N.D.	#
15)	4,4'-DDD	8.089	8.527	9300	4702	0.065	0.054	
16)	Endosulfa...	8.189f	8.628	23678	3908	0.168	0.045	#
17)	4,4'-DDT	8.318f	8.758	22886	3954	0.180	0.055	#
18)	Endrin Al...	8.480f	8.835f	11438	3307	BelowCal	BelowCal	
19)	Endosulfa...	8.810	9.079f	6178	3212	0.047	0.043	
20)	Methoxychlor	0.000	0.000	0	0	N.D.	N.D.	
21)	Endrin Ke...	9.000	9.455	18524	15681	0.132	0.191	#
23)	Hexachlor...	3.275	3.509	9770	15610	2844.126	1294.034	#
24)	Hexachlor...	5.860	6.256	12477	33494	BelowCal	0.052	
25)	Oxychlordane	7.314f	7.723f	5479	3886	BelowCal	24475.473	
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d	
27)	trans-Non...	7.616f	0.000	6609	0	34192.577	N.D.	#
28)	2,4'-DDD	7.785	8.260	5139	4011	BelowCalm	BelowCal	
29)	2,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182133.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 21:42
Operator : MJB
Sample : A0K0482-18RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:18:45 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

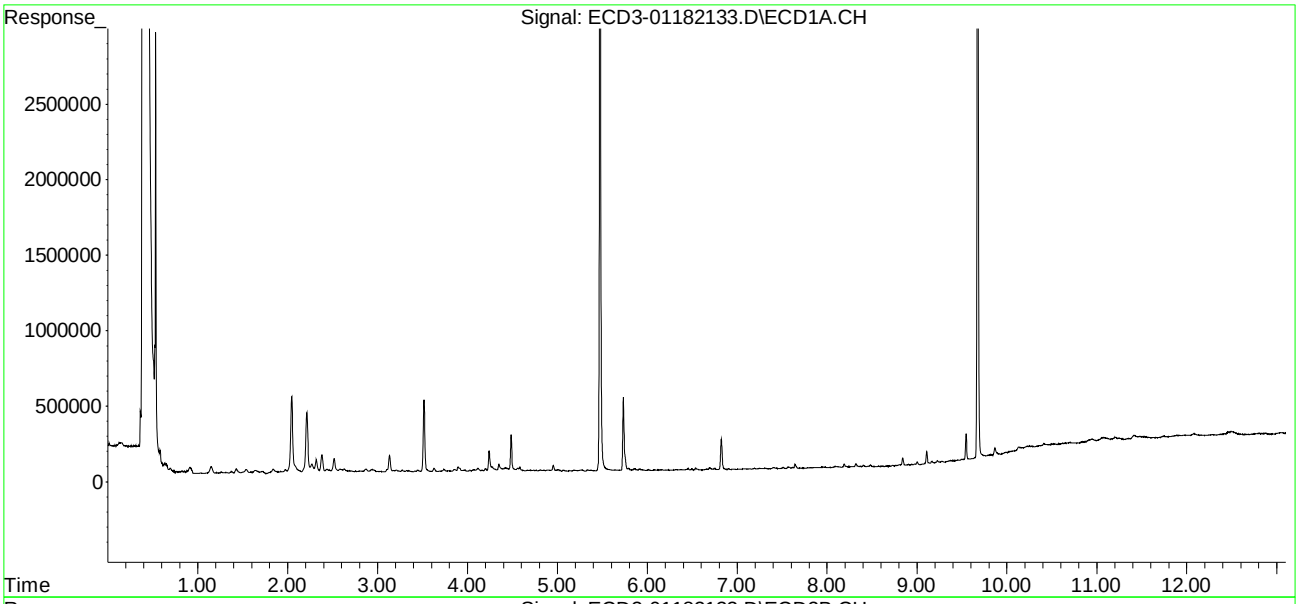
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.089	8.527	9300	4702	BelowCal	BelowCal	
31)	Mirex	8.727	9.422	5996	12511	BelowCal	14371.886	
32)	Chlordane...	7.566f	0.000	9998	0	0.491	N.D.	#
33)	Chlordane...	7.644	8.035f	28673	15340	1.478	1.360	
34)	Chlordane...	8.189	0.000	23678	0	3.934	N.D.	#
35)	Chlordane...	0.000	3.762	0	15997	N.D.	NoCal	
36)	Toxaphene...	7.616	8.260f	6609	4011	8.182	3.244	#
37)	Toxaphene...	0.000	8.628	0	3908	N.D.	2.783	#
38)	Toxaphene...	0.000	8.665	0	4693	N.D.	2.339	#
39)	Toxaphene...	8.480	8.758f	11438	3954	3.249	1.188	#
40)	Toxaphene...	8.727f	0.000	5996	0	2.211	N.D.	#
41)	Toxaphene...	8.768	9.300	4117	6490	1.306	3.196	#
42)	Toxaphene...	0.000	3.762	0	15997	N.D.	NoCal	

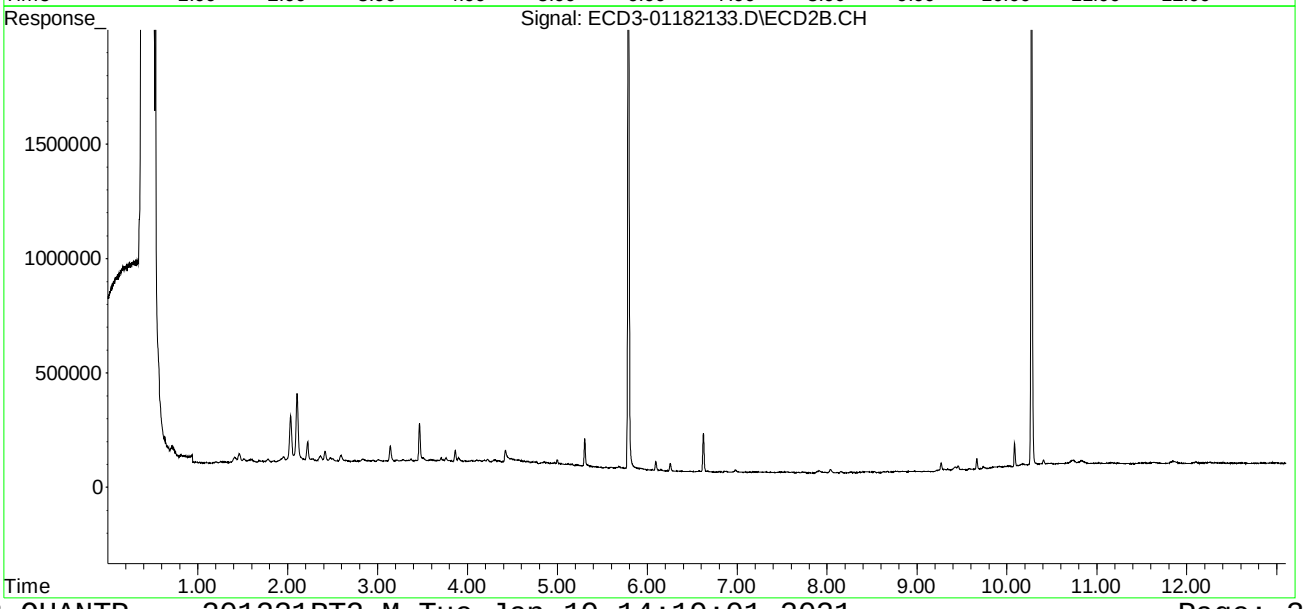
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182133.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 21:42
Operator : MJB
Sample : A0K0482-18RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:18:45 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182134.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 21:59
Operator : MJB
Sample : 1A18049-CCV8 MJB 1/19/21
Misc : A20L216, AB 50 ppb
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:19:55 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.476	5.789	7037472	4229374	37.962	39.067	Q-31
22) S	DCBP (S)	9.676	10.274	5045237	2868005	45.882	47.512	
	Target Compounds							
2)	a-BHC	6.024	6.381	10094059	6334577	42.420	42.802	
3)	g-BHC	6.310	6.695	8880604	5653148	42.494	43.472	
4)	b-BHC	6.389	6.764	3280607	2182130	36.742	38.685	
5)	Heptachlor	6.707	7.067	8653713	5427342	44.246	44.609	
6)	d-BHC	6.540	7.010	7225408	4852662	36.993	41.094	
7)	Aldrin	6.947	7.328	8575439	5402774	42.313	43.234	
8)	Heptachlo...	7.415	7.763	7663547	4838711	44.803	45.076	
9)	trans-Chl...	7.507	7.903	7699938	4852031	41.256	44.432	
10)	cis-Chlor...	7.605	8.009	7400119	4621459	43.368	44.636	
11)	Endosulfa...	7.708	8.057	7033900	4374038	42.658	42.995	
12)	4,4'-DDE	7.659	8.118	7029703	4355724	38.132	38.667	Q-31
13)	Dieldrin	7.881	8.255	7990406	4988741	43.429	44.528	
14)	Endrin	8.049	8.476	6431841	3771494	46.833	46.310	
15)	4,4'-DDD	8.087	8.530	6094074	3804934	42.489	43.315	
16)	Endosulfa...	8.209	8.624	6131893	3747300	43.425	43.049	
17)	4,4'-DDT	8.282	8.753	5266487	2975112	41.524	41.131	
18)	Endrin Al...	8.504	8.858	5191742	3222230	44.230	46.421	
19)	Endosulfa...	8.807	9.052	6073141	3585004	46.584	48.324	
20)	Methoxychlor	8.614	9.219	2346079	1359306	39.670	39.004	
21)	Endrin Ke...	9.006	9.437	6731490	4092927	48.063	49.888	
23)	Hexachlor...	0.000	3.505	0	2091	N.D.	1294.144	#
24)	Hexachlor...	5.861	0.000	14684	0	BelowCal	N.D.	
25)	Oxychlordane	7.349	0.000	38323	0	0.036	N.D.	#
26)	2,4'-DDE	7.415	7.903	7663547	4852031	68.613	68.310	
27)	trans-Non...	7.605	7.968	7400119	24029	44.249	74602.074	#
28)	2,4'-DDD	0.000	8.255	0	4988741	N.D.	81.271	#
29)	2,4'-DDT	7.964	8.476	19634	3771494	0.020	65.706	#

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182134.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 21:59
Operator : MJB
Sample : 1A18049-CCV8
Misc : A20L216, AB 50 ppb
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:19:55 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

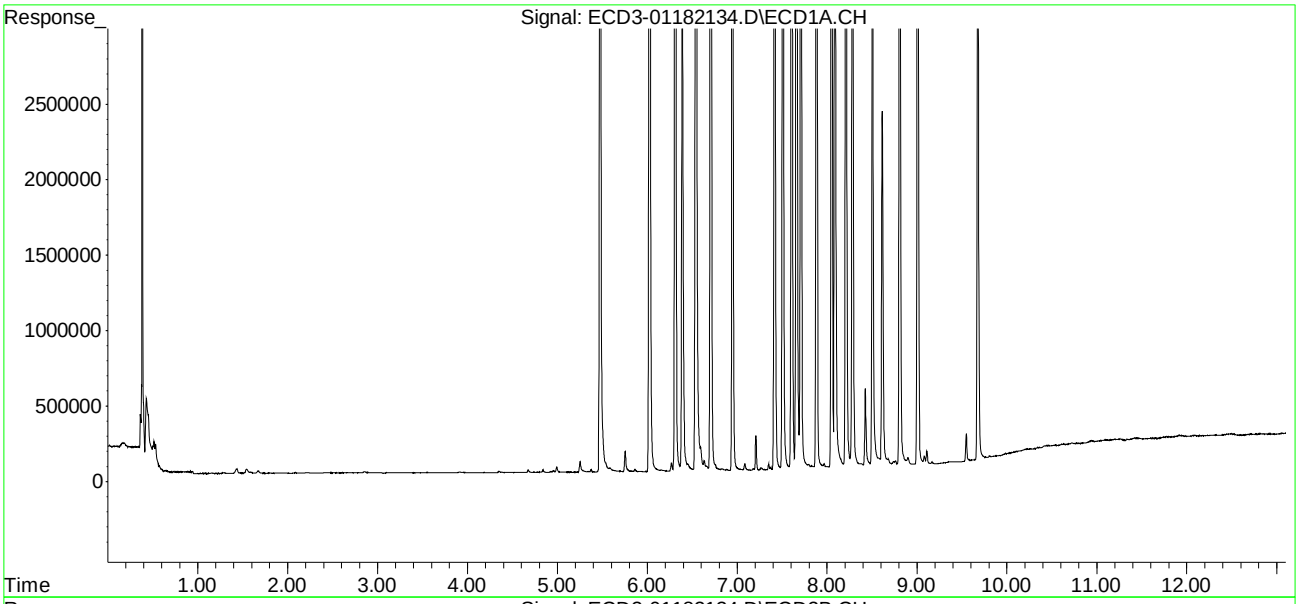
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.087	8.530	6094074	3804934	34.307	35.642	
31)	Mirex	8.738	9.437	23733	4092927	BelowCal	65.546	
32)	Chlordane...	7.507f	7.968	7699938	24029	378.129	1.797	#
33)	Chlordane...	7.659f	8.057	7029703	4374038	362.381	387.765	
34)	Chlordane...	8.209	8.708	6131893	25069	1018.819	7.025	#
35)	Chlordane...	0.000	3.737f	0	4315	N.D.	NoCal	
36)	Toxaphene...	7.605	8.255f	7400119	4988741	9162.494	4034.339	#
37)	Toxaphene...	7.881f	8.624	7990406	3747300	6120.432	2668.677	#
38)	Toxaphene...	8.209f	8.708f	6131893	25069	1807.852	12.493	#
39)	Toxaphene...	8.504f	8.753	5191742	2975112	1474.858	893.798	
40)	Toxaphene...	8.681f	8.934	40140	375359	14.803	191.507	#
41)	Toxaphene...	8.759	9.306	27465	15505	8.710	7.635	
42)	Toxaphene...	0.000	3.737f	0	4315	N.D.	NoCal	

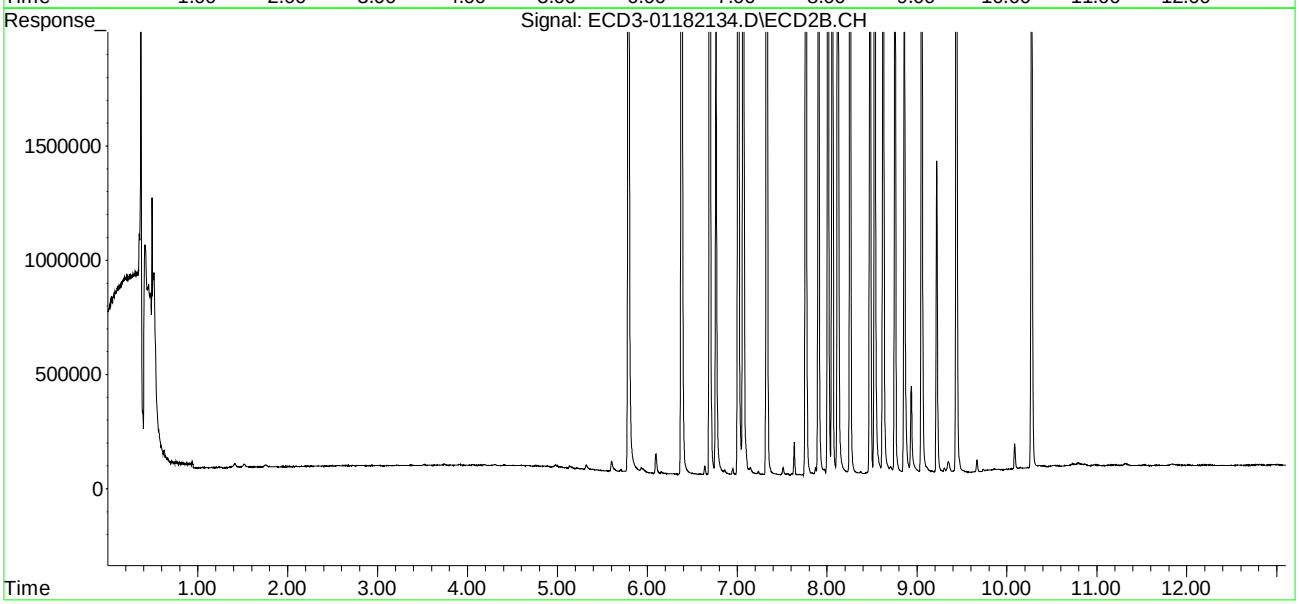
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182134.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 21:59
Operator : MJB
Sample : 1A18049-CCV8
Misc : A20L216, AB 50 ppb
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:19:55 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182135.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 22:16
Operator : MJB
Sample : 1A18049-CCV9 MJB 1/19/21
Misc : A21A187, 9-42 50 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:22:41 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.447f	5.825f	67827	41450	0.366	0.217	#
22) S	DCBP (S)	9.688	10.278	20778	19606	0.005	0.116	#
	Target Compounds							
2)	a-BHC	6.021	6.360f	6726	19337	0.028	0.131	#
3)	g-BHC	0.000	0.000	0	0	N.D.	N.D.	
4)	b-BHC	0.000	0.000	0	0	N.D.	N.D.	
5)	Heptachlor	6.706	7.067	23056	15036	0.118	0.124	
6)	d-BHC	0.000	0.000	0	0	N.D.	N.D.	
7)	Aldrin	0.000	7.368f	0	6154	N.D.	0.049	#
8)	Heptachlo...	7.407	7.801f	5314470	24618	31.014	0.096	#
9)	trans-Chl...	7.505	7.893	17441	3345389	0.093	30.522	#
10)	cis-Chlor...	7.591	0.000	8290437	0	48.573	N.D.	#
11)	Endosulfa...	7.686f	8.077	13723	7013	0.083	0.069	
12)	4,4'-DDE	7.686f	0.000	13723	0	0.074	N.D.	#
13)	Dieldrin	7.856f	8.263	49999	2992775	0.272	26.713	#
14)	Endrin	8.067	8.483	9100807	2998068	66.267	36.813	#
15)	4,4'-DDD	8.067	8.526	9100807	5335354	63.453	60.738	
16)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
17)	4,4'-DDT	8.280	8.738	7862	2485	0.062	0.034	#
18)	Endrin Al...	8.502	8.867	14202	5655	BelowCal	BelowCal	
19)	Endosulfa...	8.837f	9.022f	27975	4299	0.215	0.058	#
20)	Methoxychlor	0.000	0.000	0	0	N.D.	N.D.	
21)	Endrin Ke...	9.005	9.427	3071	3289279	0.022	40.092	#
23)	Hexachlor...	3.275	3.506	8970817	6690459	52.503	57.034	
24)	Hexachlor...	5.861	6.251	7353301	4899331	43.089	46.293	
25)	Oxychlordane	7.338	7.695	7359520	4638400	50.455	51.192	
26)	2,4'-DDE	7.407	7.893	5314470	3345389	47.340	46.938	
27)	trans-Non...	7.591	7.970	8290437	5102567	49.606	50.484	
28)	2,4'-DDD	7.784	8.263	4976499	2992775	49.638	48.672	
29)	2,4'-DDT	7.964	8.483	5168711	2998068	53.509	52.796	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182135.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 22:16
Operator : MJB
Sample : 1A18049-CCV9
Misc : A21A187, 9-42 50 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:22:41 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

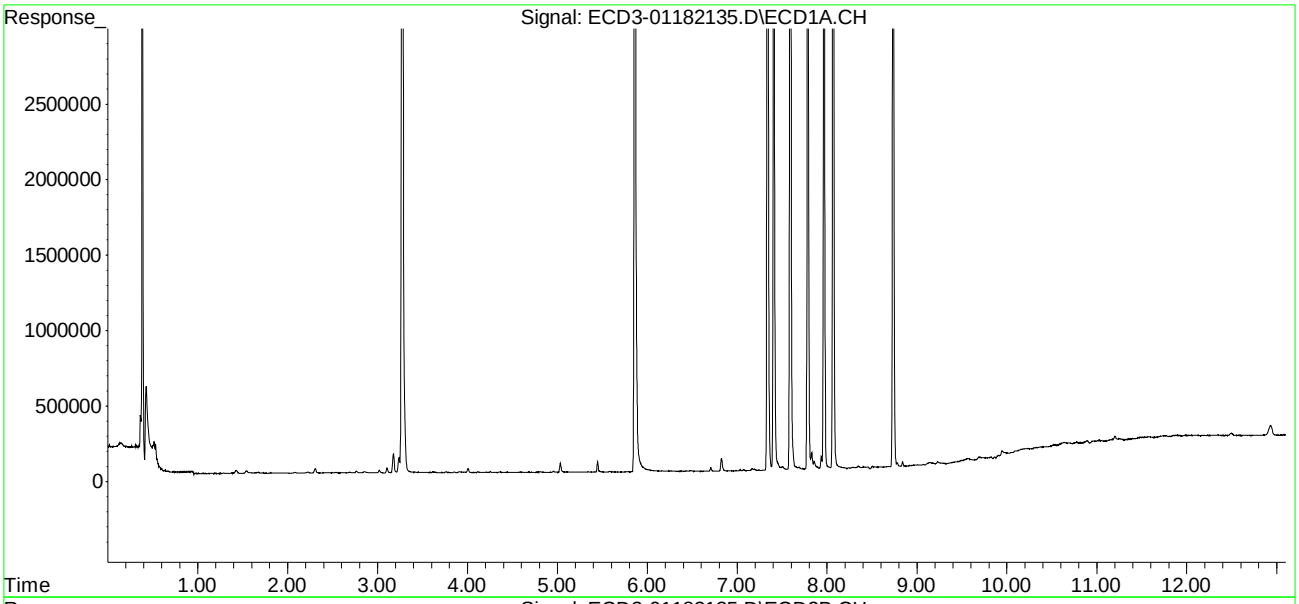
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.067	8.526	9100807	5335354	51.111	49.990	
31)	Mirex	8.734	9.427	5569945	3289279	52.658	52.557	
32)	Chlordane...	7.505f	7.970	17441	5102567	0.856	381.555	#
33)	Chlordane...	0.000	8.077	0	7013	N.D.	0.622	#
34)	Chlordane...	0.000	8.738f	0	2485	N.D.	0.696	#
35)	Chlordane...	3.762f	0.000	6285	0	NoCal	N.D.	
36)	Toxaphene...	7.591f	8.263f	8290437	2992775	10264.846	2420.223	#
37)	Toxaphene...	7.935	8.670f	83798	3387	46.381	2.412	#
38)	Toxaphene...	0.000	8.670	0	3387	N.D.	1.688	#
39)	Toxaphene...	8.453	8.738	13587	2485	3.860	0.747	#
40)	Toxaphene...	8.734f	0.000	5569945	0	2054.159	N.D.	#
41)	Toxaphene...	8.780	9.285	23908	4547	7.582	2.239	#
42)	Toxaphene...	3.762f	0.000	6285	0	NoCal	N.D.	

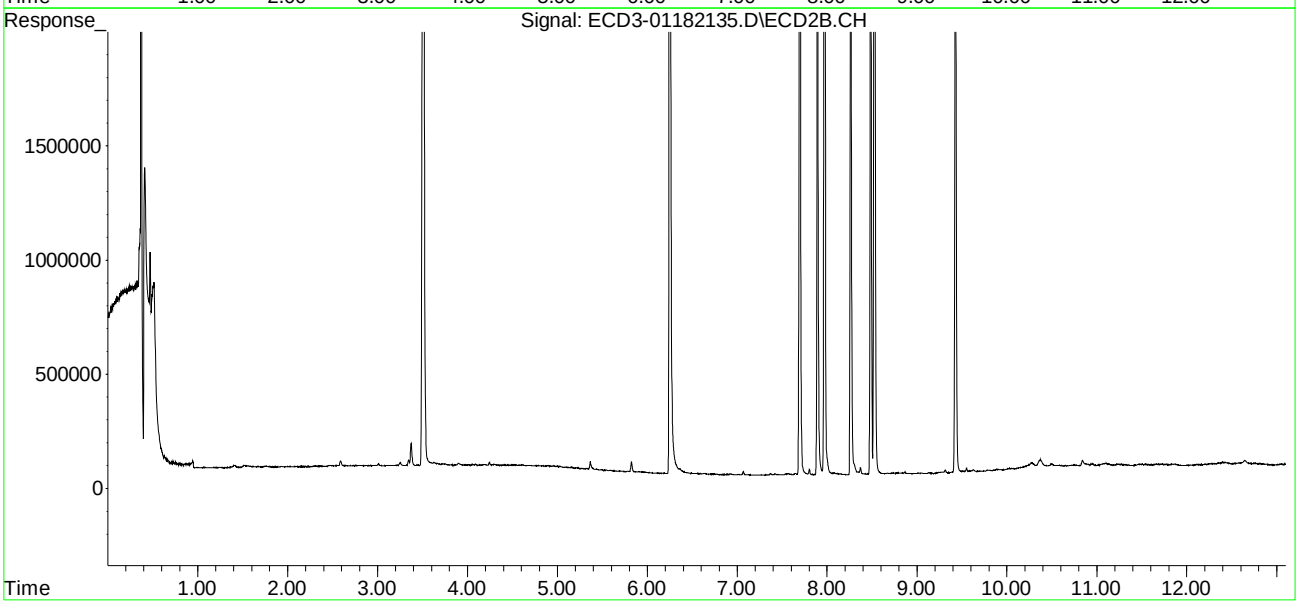
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182135.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 22:16
Operator : MJB
Sample : 1A18049-CCV9
Misc : A21A187, 9-42 50 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:22:41 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182136.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 22:33
Operator : MJB
Sample : 1A18049-CCB3 MJB 1/19/21
Misc : A20L446
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1'

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:24:01 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.477	5.790	12321392	7211409	66.464	67.276	
22) S	DCBP (S)	9.676	10.276	9100580	5078182	83.680	85.487	
	Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)	g-BHC	0.000	0.000	0	0	N.D.	N.D.	
4)	b-BHC	0.000	0.000	0	0	N.D.	N.D.	
5)	Heptachlor	0.000	0.000	0	0	N.D.	N.D.	
6)	d-BHC	0.000	0.000	0	0	N.D.	N.D.	
7)	Aldrin	0.000	7.367f	0	17543	N.D.	0.140	#
8)	Heptachlo...	0.000	0.000	0	0	N.D.	N.D.	
9)	trans-Chl...	7.496	0.000	24163	0	0.129	N.D.	#
10)	cis-Chlor...	0.000	0.000	0	0	N.D.	N.D.	
11)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
12)	4,4'-DDE	0.000	0.000	0	0	N.D.	N.D.	
13)	Dieldrin	0.000	0.000	0	0	N.D.	N.D.	
14)	Endrin	0.000	0.000	0	0	N.D.	N.D.	
15)	4,4'-DDD	0.000	0.000	0	0	N.D.	N.D.	
16)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
17)	4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	
18)	Endrin Al...	0.000	0.000	0	0	N.D.	N.D.	
19)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
20)	Methoxychlor	0.000	0.000	0	0	N.D.	N.D.	
21)	Endrin Ke...	0.000	9.434	0	1129	N.D.	0.014	#
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)	Hexachlor...	5.863	0.000	20233	0	BelowCal	N.D.	
25)	Oxychlordane	0.000	0.000	0	0	N.D.	N.D.	
26)	2,4'-DDE	0.000	0.000	0	0	N.D.	N.D.	
27)	trans-Non...	0.000	0.000	0	0	N.D.	N.D.	
28)	2,4'-DDD	0.000	0.000	0	0	N.D.	N.D.	
29)	2,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182136.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 22:33
Operator : MJB
Sample : 1A18049-CCB3
Misc : A20L446
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:24:01 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

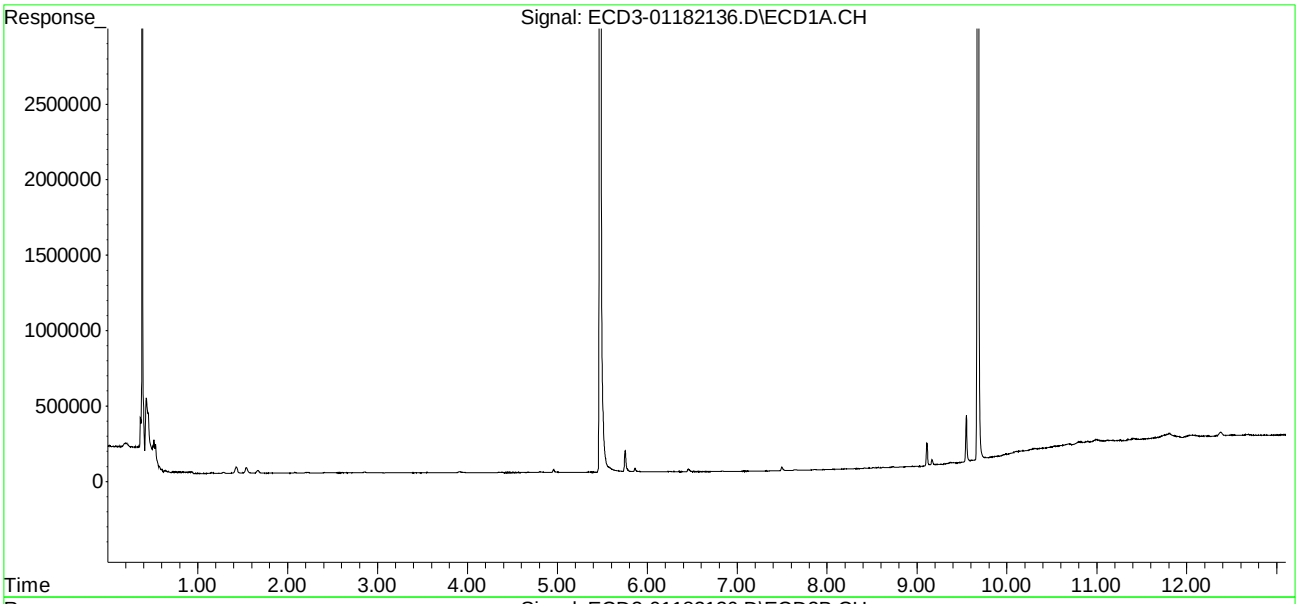
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	0.000	0.000	0	0	N.D.	N.D.	
31)	Mirex	8.731	9.434	6706	1129	BelowCal	14372.068	
32)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
33)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
34)	Chlordane...	0.000	8.677f	0	1869	N.D.	0.524	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
37)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
38)	Toxaphene...	0.000	8.677	0	1869	N.D.	0.931	#
39)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
40)	Toxaphene...	8.729f	0.000	6755	0	2.491	N.D.	#
41)	Toxaphene...	0.000	9.302	0	3022	N.D.	1.488	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

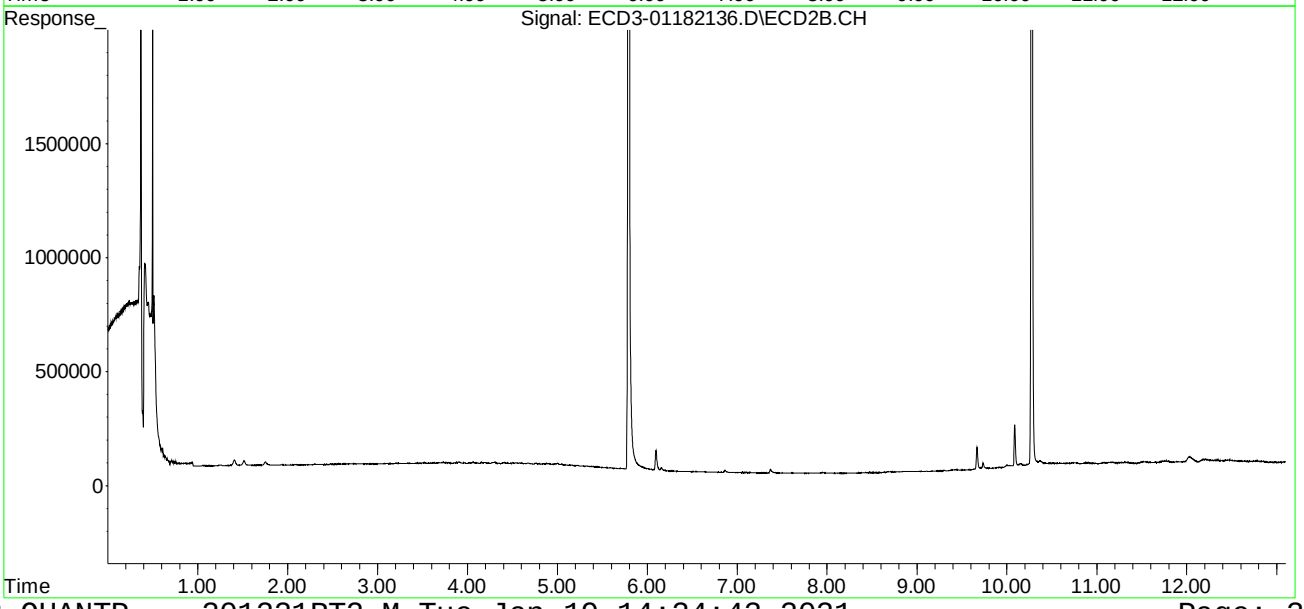
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182136.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 22:33
Operator : MJB
Sample : 1A18049-CCB3
Misc : A20L446
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:24:01 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182137.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 22:50
Operator : MJB
Sample : A0K0482-19RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:27:05 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.476	5.789	4822730	3161991	26.015	29.082	
22) S	DCBP (S)	9.675	10.274	4781194	2679082	43.446	44.316	
	Target Compounds							
2)	a-BHC	6.011	0.000	5939	0	0.025	N.D.	#
3)	g-BHC	6.318	6.670f	8458	3545	0.040	0.027	
4)	b-BHC	6.374	0.000	7187	0	9545.012	N.D.	#
5)	Heptachlor	6.695	0.000	25177	0	0.129	N.D.	#
6)	d-BHC	6.539	6.978f	9288	16689	0.048	0.141	#
7)	Aldrin	0.000	0.000	0	0	N.D.	N.D.	
8)	Heptachlo...	7.397	0.000	12335	0	44970.997	N.D.	#
9)	trans-Chl...	0.000	7.909	0	12984	N.D.	6778.138	#
10)	cis-Chlor...	7.615	8.038f	7672	23921	BelowCal	0.065	
11)	Endosulfa...	0.000	8.038f	0	23921	N.D.	0.235	#
12)	4,4'-DDE	7.645	8.151f	28635	14730	0.155	0.131	
13)	Dieldrin	7.866	8.260	6976	7275	0.038	0.065	#
14)	Endrin	8.027f	0.000	7412	0	0.054	N.D.	#
15)	4,4'-DDD	8.087	8.528	23062	7797	0.161	0.089	#
16)	Endosulfa...	8.188f	8.624	44293	3476	0.314	0.040	#
17)	4,4'-DDT	8.318f	8.758	34175	5751	0.269	0.080	#
18)	Endrin Al...	8.476f	8.833f	16944	6232	BelowCal	BelowCal	
19)	Endosulfa...	8.802	9.079f	14248	5076	0.109	0.068	
20)	Methoxychlor	8.611	9.219	12649	7625	0.069	0.066	
21)	Endrin Ke...	9.001	9.456	30981	19486	0.221	0.238	
23)	Hexachlor...	3.274	3.507	12152	12958	2844.113	1294.055	#
24)	Hexachlor...	5.859	6.257	11398	167461	BelowCal	1.306	
25)	Oxychlordane	0.000	7.724f	0	7942	N.D.	24475.428	#
26)	2,4'-DDE	7.397	7.886	12335	10143	5794.764	11271.765	#
27)	trans-Non...	7.615f	7.973	7672	6930	34192.570	74602.244	#
28)	2,4'-DDD	7.782	8.260	7737	7275	BelowCal	BelowCal	
29)	2,4'-DDT	7.974	0.000	7167	0	BelowCal	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182137.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 22:50
Operator : MJB
Sample : A0K0482-19RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:27:05 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

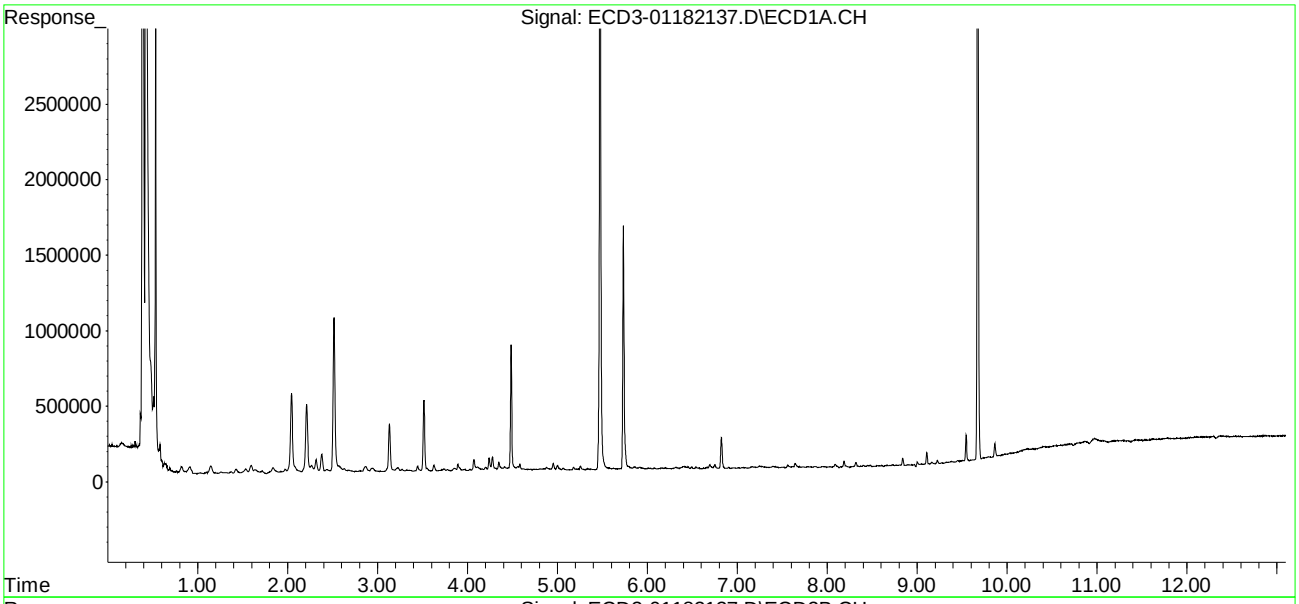
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.087	8.528	23062	7797	BelowCal	BelowCal	
31)	Mirex	8.727	9.456f	17512	19486	BelowCal	14371.774	
32)	Chlordane...	7.565f	7.973	17262	6930	0.848	0.518	
33)	Chlordane...	7.645	8.038f	28635	23921	1.476	2.121	#
34)	Chlordane...	8.188	0.000	44293	0	7.359	N.D.	#
35)	Chlordane...	3.778	3.757	9017	8849	NoCal	NoCal	
36)	Toxaphene...	7.615	8.260f	7672	7275	9.499	5.883	
37)	Toxaphene...	7.951f	8.624	7071	3476	1.701	2.476	#
38)	Toxaphene...	0.000	8.668	0	4926	N.D.	2.455	#
39)	Toxaphene...	8.476	8.758f	16944	5751	4.813	1.728	#
40)	Toxaphene...	8.698	0.000	12562	0	4.633	N.D.	#
41)	Toxaphene...	8.768	9.300	13850	2378	4.392	1.171	#
42)	Toxaphene...	3.778	3.757	9017	8849	NoCal	NoCal	

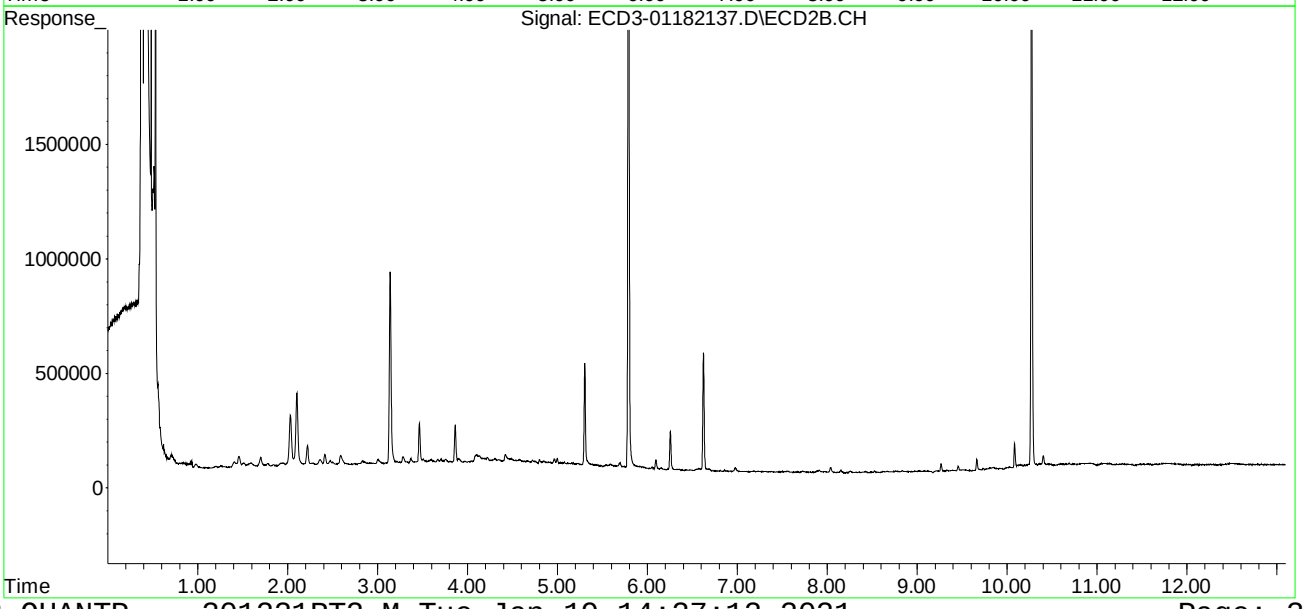
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182137.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 22:50
Operator : MJB
Sample : A0K0482-19RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:27:05 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

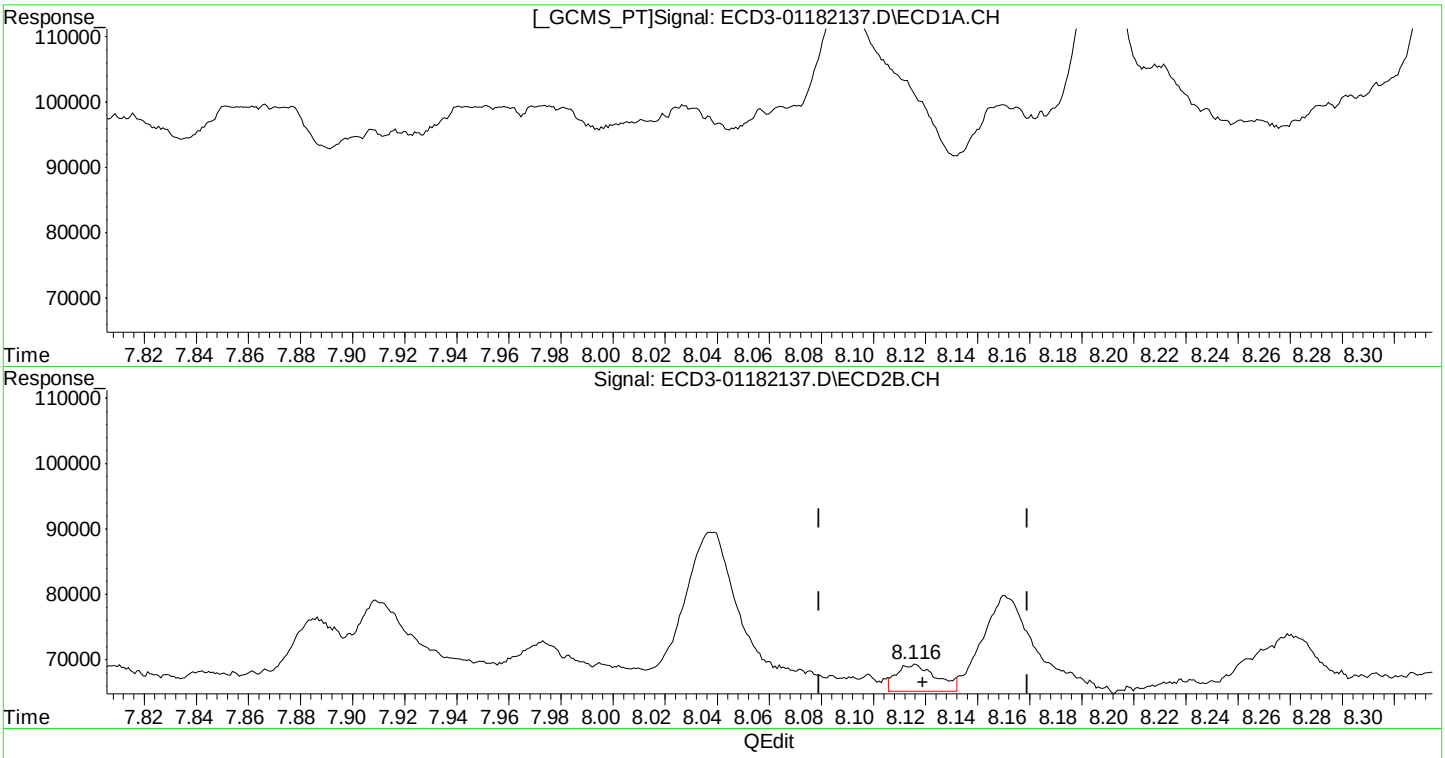




Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182137.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 22:50
Operator : MJB
Sample : A0K0482-19RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:27:05 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



QEdit

(12) 4,4'-DDE
7.645min 0.155 ng/mL
response 28635

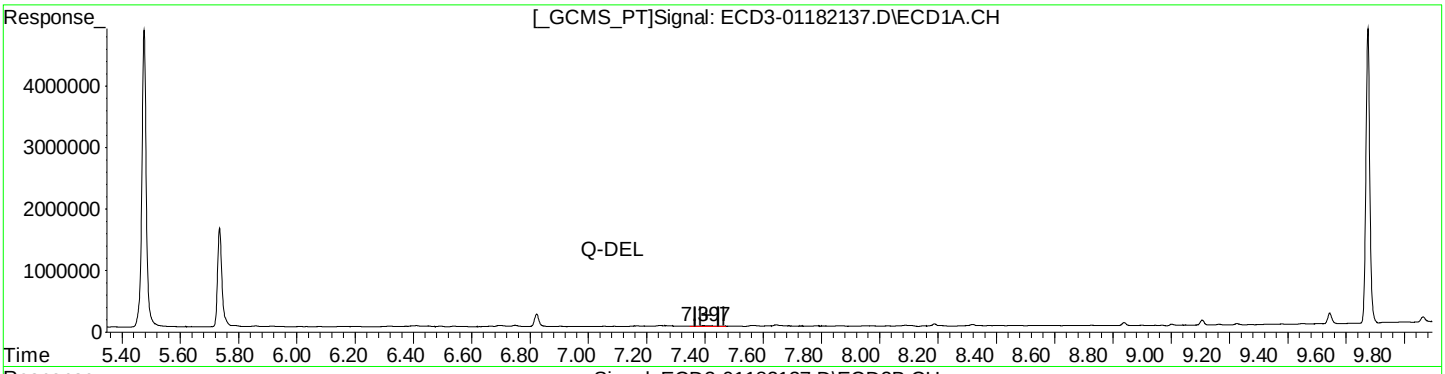
(12) 4,4'-DDE #2
8.116min 0.037 ng/mL m
response 4176

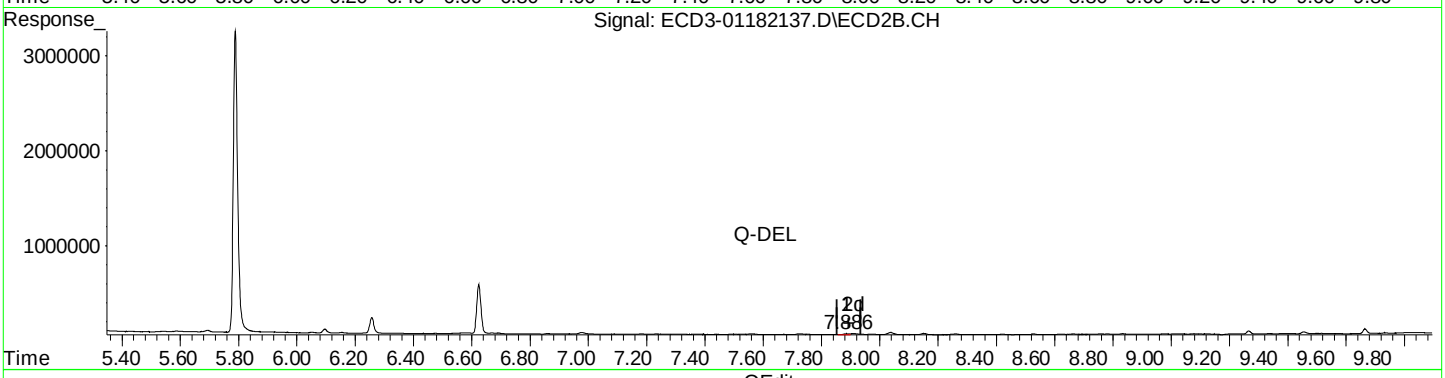
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182137.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 22:50
Operator : MJB
Sample : A0K0482-19RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:27:05 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





QEdit

(26) 2,4'-DDE
~~7.397min 5794.764 ng/mL~~
response ~~12335~~

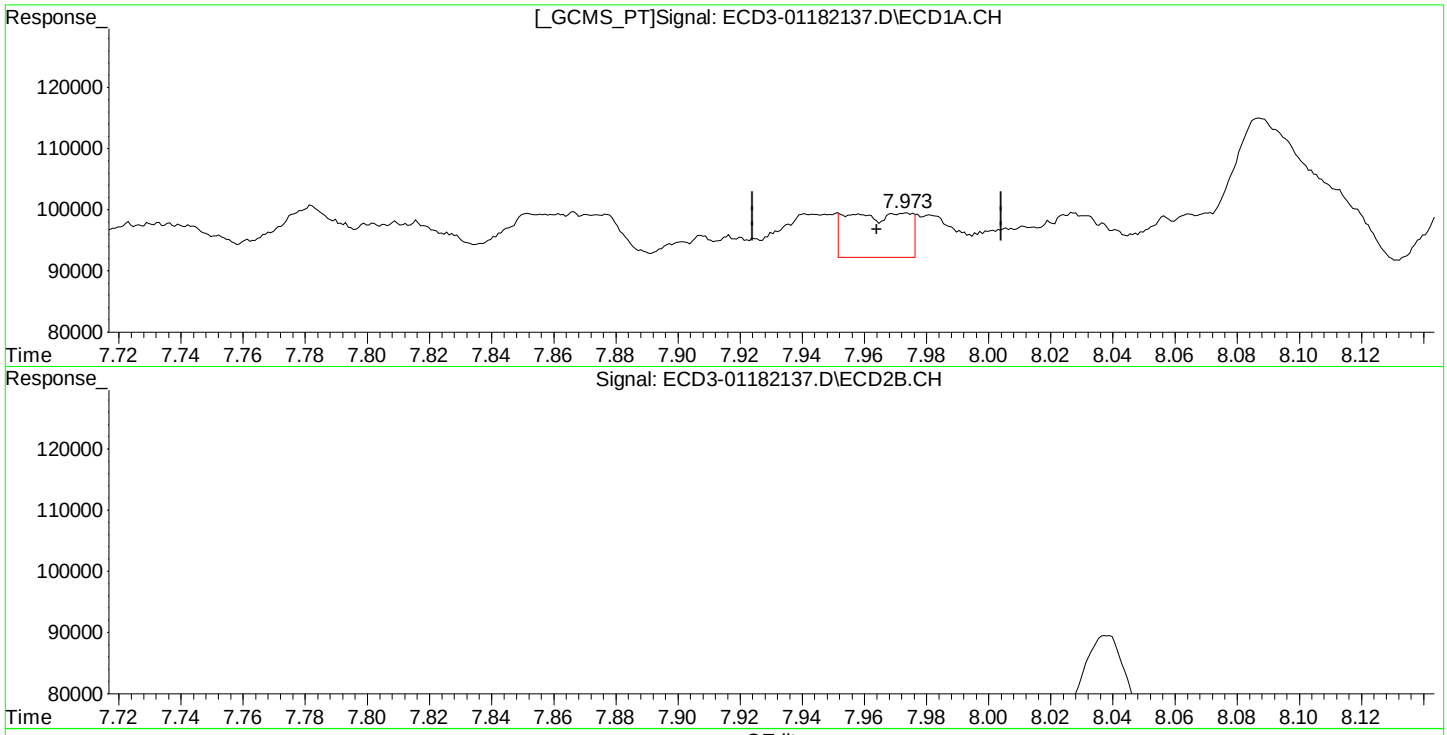
(26) 2,4'-DDE #2
~~7.886min 11271.765 ng/mL~~
response ~~10143~~

(+) = Expected Retention Time
ECD3_QUANTP..._201221RT2.M Tue Jan 19 14:27:55 2021 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182137.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 22:50
Operator : MJB
Sample : A0K0482-19RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:27:05 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



QEdit

(29) 2,4'-DDT
7.973min -0.113 ng/mL m
response 7307

(29) 2,4'-DDT #2
0.000min 0.000 ng/mL
response 0

(+) = Expected Retention Time

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182137.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 22:50
Operator : MJB
Sample : A0K0482-19RE1 MJB 1/19/21
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:28:08 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	5.476	5.789	4822730	3161991	26.015	29.082
22) S	DCBP (S)	9.675	10.274	4781194	2679082	43.446	44.316
	Target Compounds						
2)	a-BHC	6.011	0.000	5939	0	0.025	N.D. #
3)	g-BHC	6.318	6.670f	8458	3545	0.040	0.027
4)	b-BHC	6.374	0.000	7187	0	9545.012	N.D. #
5)	Heptachlor	6.695	0.000	25177	0	0.129	N.D. #
6)	d-BHC	6.539	6.978f	9288	16689	0.048	0.141 #
7)	Aldrin	0.000	0.000	0	0	N.D.	N.D.
8)	Heptachlo...	7.397	0.000	12335	0	44970.997	N.D. #
9)	trans-Chl...	0.000	7.909	0	12984	N.D.	6778.138 #
10)	cis-Chlor...	7.615	8.038f	7672	23921	BelowCal	0.065
11)	Endosulfa...	0.000	8.038f	0	23921	N.D.	0.235 #
12)	4,4'-DDE	7.645	8.116	28635	4176	0.155	0.037m#
13)	Dieldrin	7.866	8.260	6976	7275	0.038	0.065 #
14)	Endrin	8.027f	0.000	7412	0	0.054	N.D. #
15)	4,4'-DDD	8.087	8.528	23062	7797	0.161	0.089 #
16)	Endosulfa...	8.188f	8.624	44293	3476	0.314	0.040 #
17)	4,4'-DDT	8.318f	8.758	34175	5751	0.269	0.080 #
18)	Endrin Al...	8.476f	8.833f	16944	6232	BelowCal	BelowCal
19)	Endosulfa...	8.802	9.079f	14248	5076	0.109	0.068
20)	Methoxychlor	8.611	9.219	12649	7625	0.069	0.066
21)	Endrin Ke...	9.001	9.456	30981	19486	0.221	0.238
23)	Hexachlor...	3.274	3.507	12152	12958	2844.113	1294.055 #
24)	Hexachlor...	5.859	6.257	11398	167461	BelowCal	1.306
25)	Oxychlordane	0.000	7.724f	0	7942	N.D.	24475.428 #
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	7.615f	7.973	7672	6930	34192.570	74602.244 #
28)	2,4'-DDD	7.782	8.260	7737	7275	BelowCal	BelowCal
29)	2,4'-DDT	7.973	0.000	7307	0	BelowCalm	N.D.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182137.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 22:50
Operator : MJB
Sample : A0K0482-19RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:28:08 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

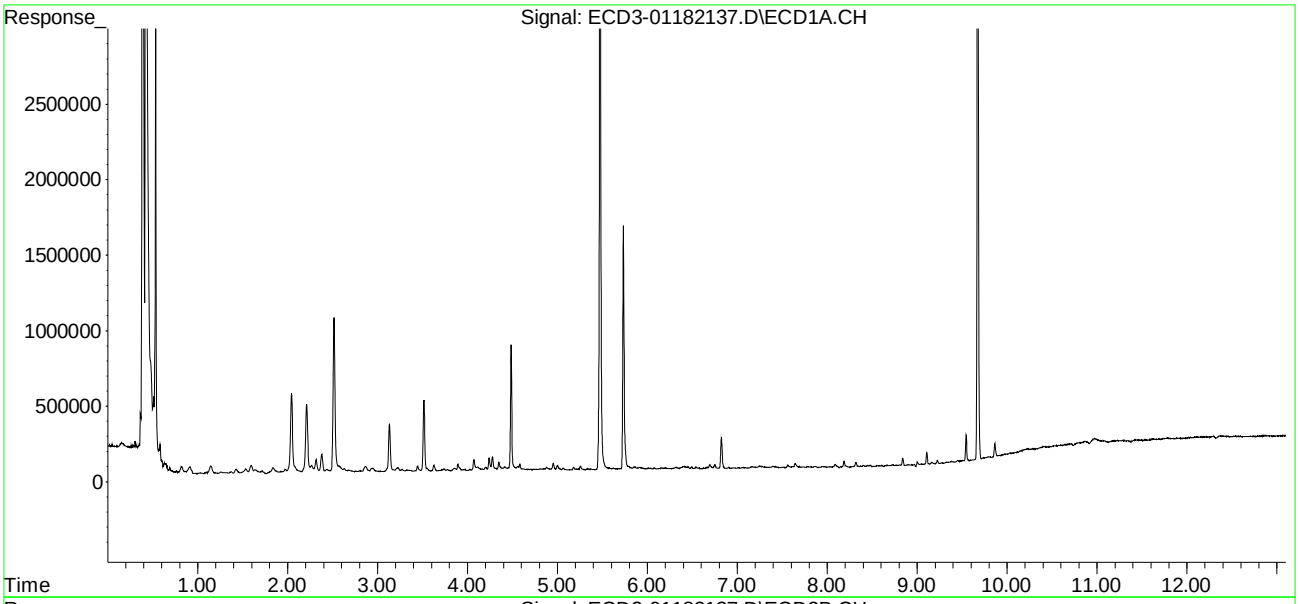
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.087	8.528	23062	7797	BelowCal	BelowCal	
31)	Mirex	8.727	9.456f	17512	19486	BelowCal	14371.774	
32)	Chlordane...	7.565f	7.973	17262	6930	0.848	0.518	
33)	Chlordane...	7.645	8.038f	28635	23921	1.476	2.121	#
34)	Chlordane...	8.188	0.000	44293	0	7.359	N.D.	#
35)	Chlordane...	3.778	3.757	9017	8849	NoCal	NoCal	
36)	Toxaphene...	7.615	8.260f	7672	7275	9.499	5.883	
37)	Toxaphene...	7.951f	8.624	7071	3476	1.701	2.476	#
38)	Toxaphene...	0.000	8.668	0	4926	N.D.	2.455	#
39)	Toxaphene...	8.476	8.758f	16944	5751	4.813	1.728	#
40)	Toxaphene...	8.698	0.000	12562	0	4.633	N.D.	#
41)	Toxaphene...	8.768	9.300	13850	2378	4.392	1.171	#
42)	Toxaphene...	3.778	3.757	9017	8849	NoCal	NoCal	

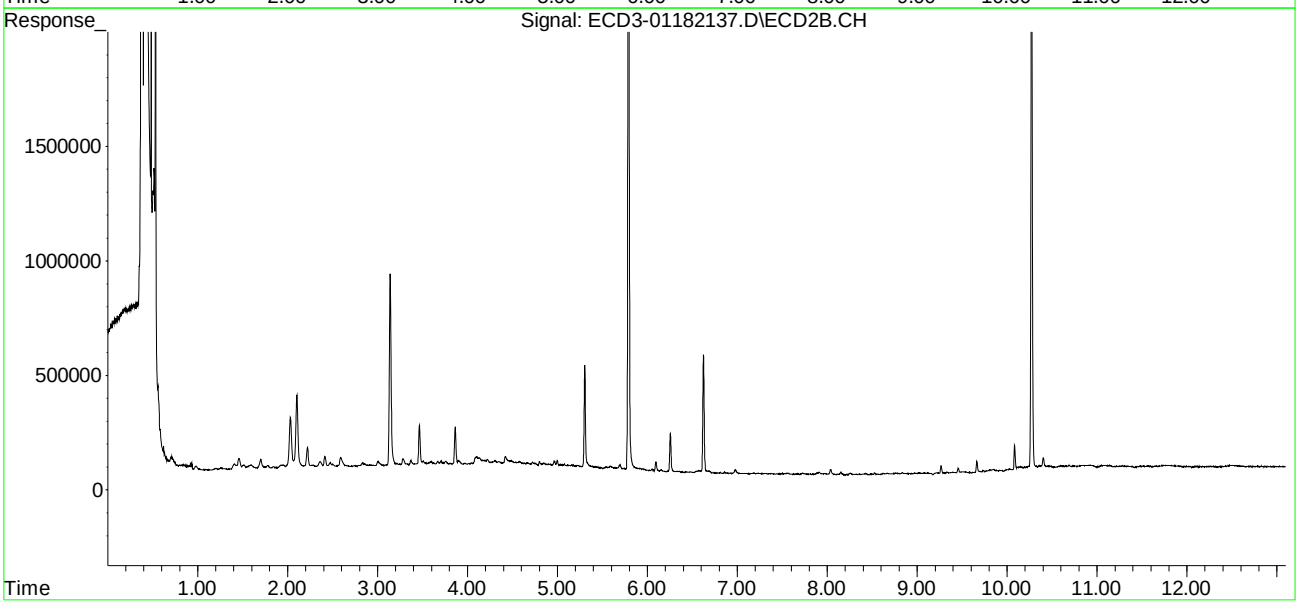
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182137.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 22:50
Operator : MJB
Sample : A0K0482-19RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:28:08 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182138.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 23:07
Operator : MJB
Sample : A0K0482-20RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:29:02 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.476	5.788	4826857	3091943	26.037	28.429	
22) S	DCBP (S)	9.675	10.274	4796390	2716311	43.586	44.945	
	Target Compounds							
2)	a-BHC	6.010	0.000	7250	0	0.030	N.D.	#
3)	g-BHC	6.316	6.670f	5769	8006	0.028	0.062	#
4)	b-BHC	6.375	0.000	5613	0	9545.030	N.D.	#
5)	Heptachlor	6.695	0.000	16799	0	0.086	N.D.	#
6)	d-BHC	6.539	6.979f	8865	11507	0.045	0.097	#
7)	Aldrin	6.952	0.000	4594	0	0.023	N.D.	#
8)	Heptachlo...	7.404	0.000	7077	0	44971.028	N.D.	#
9)	trans-Chl...	0.000	7.909	0	9444	N.D.	6778.170	#
10)	cis-Chlor...	7.615	8.040f	7816	23835	BelowCal	0.065	
11)	Endosulfa...	0.000	8.040f	0	23835	N.D.	0.234	#
12)	4,4'-DDE	7.646	8.152f	17764	15562	0.096	0.138	#
13)	Dieldrin	7.854f	0.000	3829	0	0.021	N.D.	#
14)	Endrin	0.000	0.000	0	0	N.D.	N.D.	
15)	4,4'-DDD	8.104	0.000	4143	0	0.029	N.D.	#
16)	Endosulfa...	8.189f	8.629	43952	4316	0.311	0.050	#
17)	4,4'-DDT	8.319f	8.758	38349	9687	0.302	0.134	#
18)	Endrin Al...	8.515	8.834f	5402	4884	BelowCal	BelowCal	
19)	Endosulfa...	8.804	9.077f	4616	3332	0.035	0.045	
20)	Methoxychlor	8.608	9.220	6412	1770	BelowCal	BelowCal	
21)	Endrin Ke...	9.000	9.455	32919	28069	0.235	0.342	#
23)	Hexachlor...	3.275	3.506	14868	11466	2844.097	1294.068	#
24)	Hexachlor...	5.860	6.257	14589	81262	BelowCal	0.499	
25)	Oxychlordane	0.000	7.726f	0	3951	N.D.	24475.473	#
26)	2,4'-DDE	7.404	7.887	7077	8052	5794.810	11271.794	#
27)	trans-Non...	7.615f	0.000	7816	0	34192.569	N.D.	#
28)	2,4'-DDD	0.000	0.000	0	0	N.D.	N.D.	
29)	2,4'-DDT	7.952	0.000	2441	0	BelowCal	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182138.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 23:07
Operator : MJB
Sample : A0K0482-20RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:29:02 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

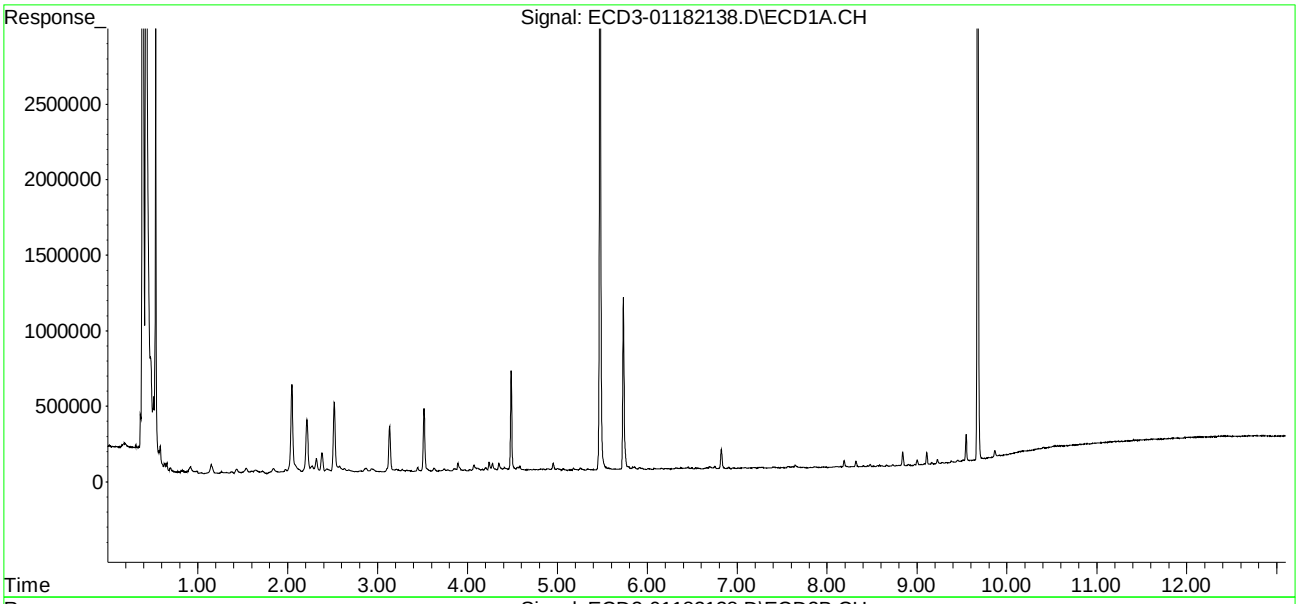
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.104f	0.000	4143	0	BelowCal	N.D.	
31)	Mirex	8.729	9.421	10337	3766	BelowCal	14372.026	
32)	Chlordane...	7.566f	0.000	10224	0	0.502	N.D.	#
33)	Chlordane...	7.646	8.040f	17764	23835	0.916	2.113	#
34)	Chlordane...	8.189	0.000	43952	0	7.303	N.D.	#
35)	Chlordane...	3.777	3.761	7173	8611	NoCal	NoCal	
36)	Toxaphene...	7.615	0.000	7816	0	9.677	N.D.	#
37)	Toxaphene...	7.952f	8.629	2441	4316	25333.584	3.074	#
38)	Toxaphene...	0.000	8.667	0	5432	N.D.	2.707	#
39)	Toxaphene...	8.476	8.758f	17088	9687	4.854	2.910	#
40)	Toxaphene...	8.729f	8.913	10337	5000	3.812	BelowCal	#
41)	Toxaphene...	8.769	9.267	4980	58328	1.579	28.723	#
42)	Toxaphene...	3.777f	3.761	7173	8611	NoCal	NoCal	

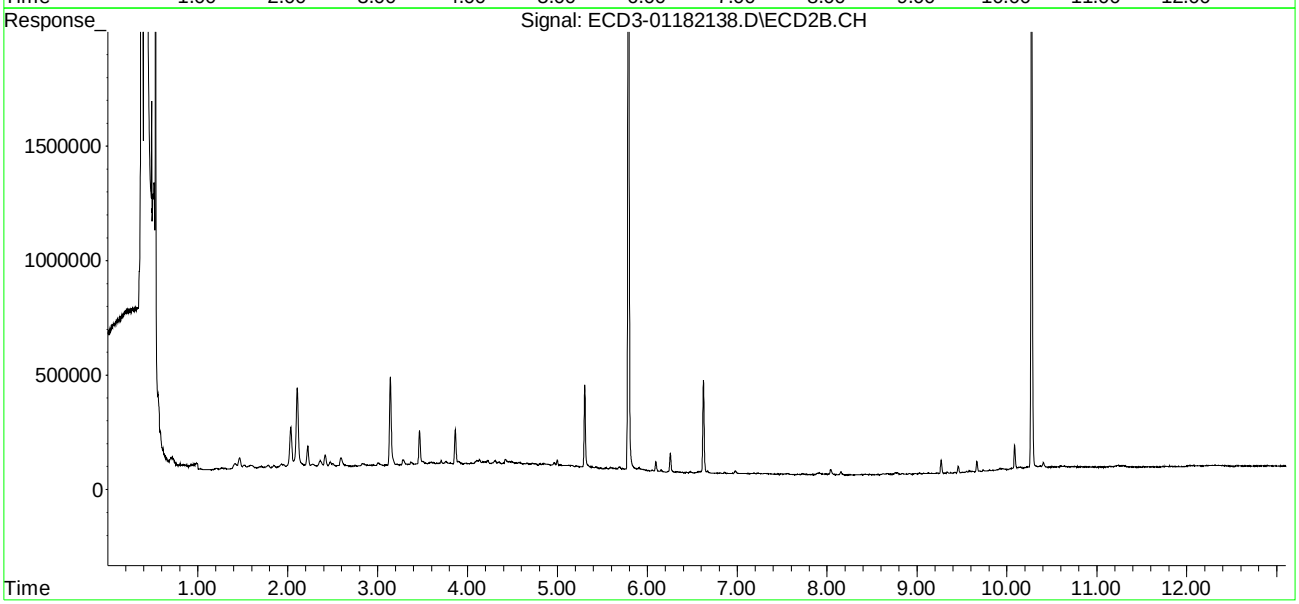
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182138.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 23:07
Operator : MJB
Sample : A0K0482-20RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:29:02 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

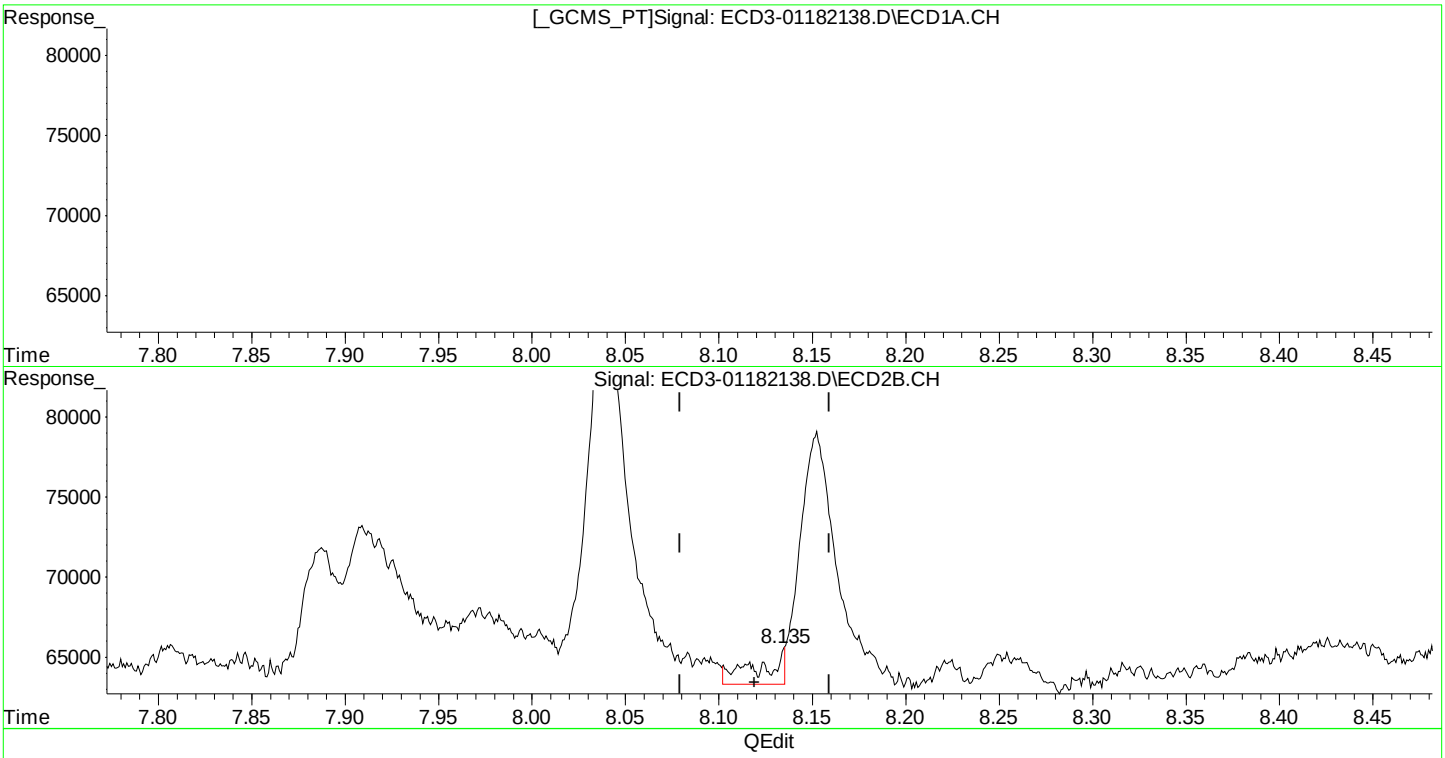




Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182138.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 23:07
Operator : MJB
Sample : A0K0482-20RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:29:02 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(12) 4,4'-DDE
7.646min 0.096 ng/mL
response 17764

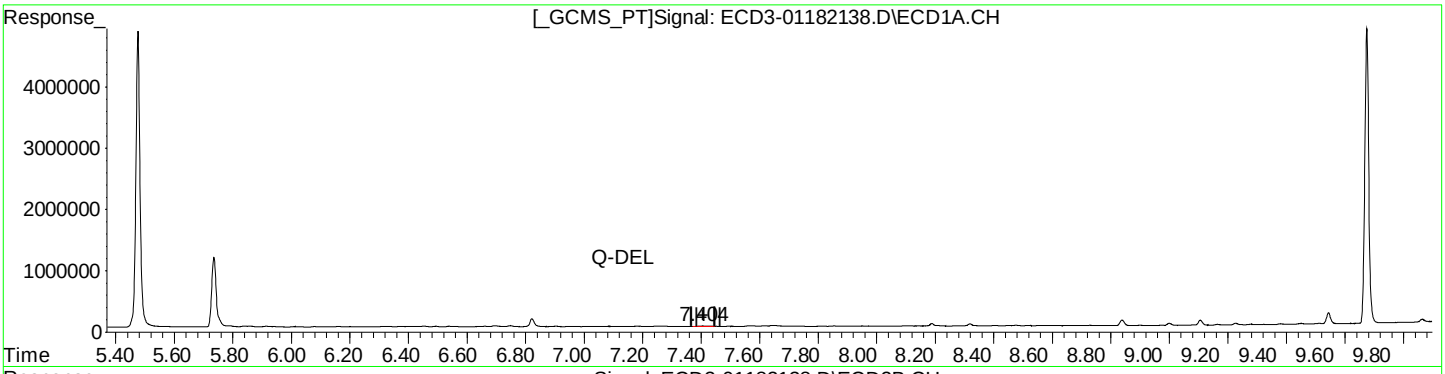
(12) 4,4'-DDE #2
8.135min 0.020 ng/mL m
response 2273

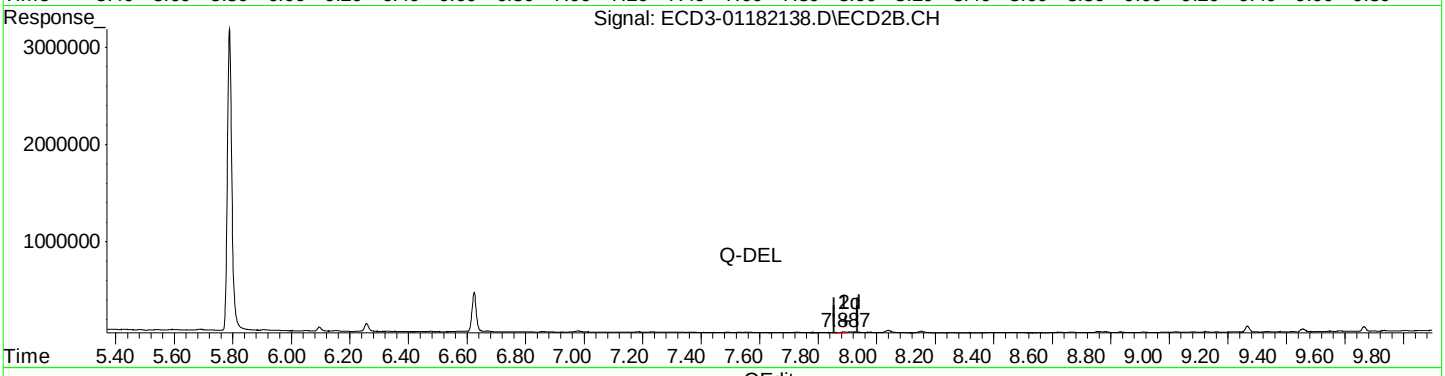
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182138.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 23:07
Operator : MJB
Sample : A0K0482-20RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:29:02 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





QEdit

(26) 2,4'-DDE
~~7.404min 5794.810 ng/mL~~
response ~~7077~~

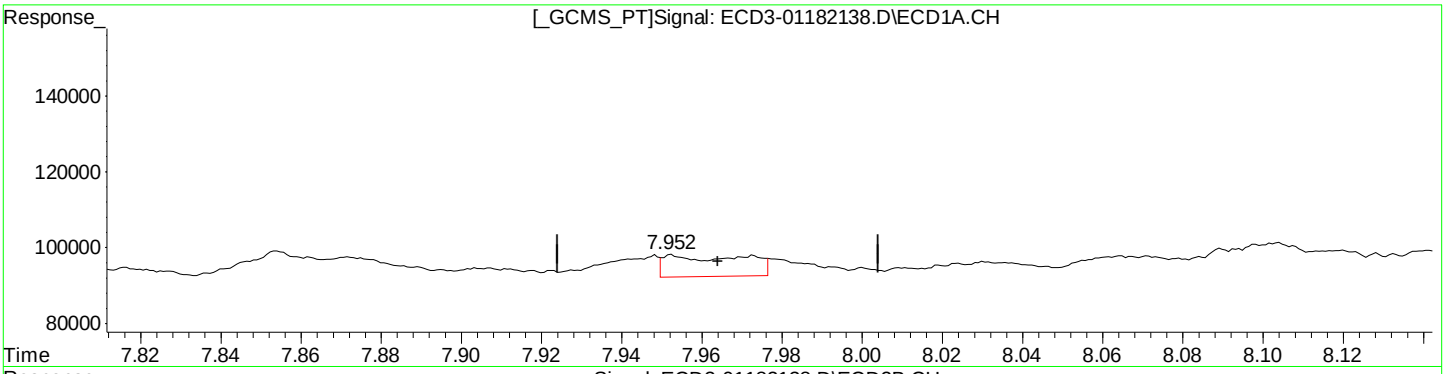
(26) 2,4'-DDE #2
~~7.887min~~ ~~11271.794 ng/mL~~
response ~~8052~~

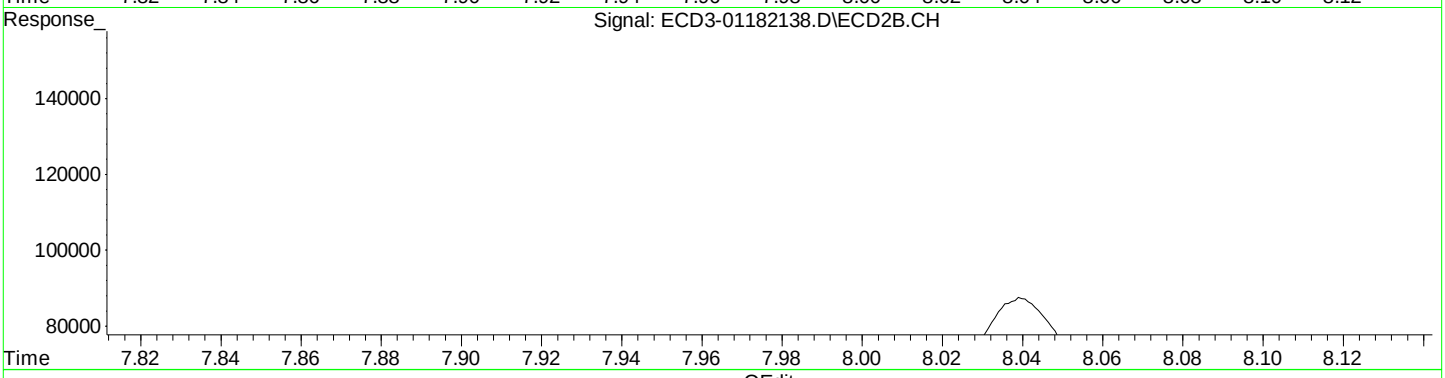
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182138.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 23:07
Operator : MJB
Sample : A0K0482-20RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:29:02 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





QEdit

(29) 2,4'-DDT
7.952min -0.126 ng/mL m
response 6087

(29) 2,4'-DDT #2
0.000min 0.000 ng/mL
response 0

(+) = Expected Retention Time
ECD3_QUANTP..._201221RT2.M Tue Jan 19 14:30:20 2021 Page: 1

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182138.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 23:07
Operator : MJB
Sample : A0K0482-20RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 1/19/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:30:18 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.476	5.788	4826857	3091943	26.037	28.429	
22)	S DCBP (S)	9.675	10.274	4796390	2716311	43.586	44.945	
	Target Compounds							
2)	a-BHC	6.010	0.000	7250	0	0.030	N.D.	#
3)	g-BHC	6.316	6.670f	5769	8006	0.028	0.062	#
4)	b-BHC	6.375	0.000	5613	0	9545.030	N.D.	#
5)	Heptachlor	6.695	0.000	16799	0	0.086	N.D.	#
6)	d-BHC	6.539	6.979f	8865	11507	0.045	0.097	#
7)	Aldrin	6.952	0.000	4594	0	0.023	N.D.	#
8)	Heptachlo...	7.404	0.000	7077	0	44971.028	N.D.	#
9)	trans-Chl...	0.000	7.909	0	9444	N.D.	6778.170	#
10)	cis-Chlor...	7.615	8.040f	7816	23835	BelowCal	0.065	
11)	Endosulfa...	0.000	8.040f	0	23835	N.D.	0.234	#
12)	4,4'-DDE	7.646	8.135	17764	2273	0.096	0.020m	#
13)	Dieldrin	7.854f	0.000	3829	0	0.021	N.D.	#
14)	Endrin	0.000	0.000	0	0	N.D.	N.D.	
15)	4,4'-DDD	8.104	0.000	4143	0	0.029	N.D.	#
16)	Endosulfa...	8.189f	8.629	43952	4316	0.311	0.050	#
17)	4,4'-DDT	8.319f	8.758	38349	9687	0.302	0.134	#
18)	Endrin Al...	8.515	8.834f	5402	4884	BelowCal	BelowCal	
19)	Endosulfa...	8.804	9.077f	4616	3332	0.035	0.045	
20)	Methoxychlor	8.608	9.220	6412	1770	BelowCal	BelowCal	
21)	Endrin Ke...	9.000	9.455	32919	28069	0.235	0.342	#
23)	Hexachlor...	3.275	3.506	14868	11466	2844.097	1294.068	#
24)	Hexachlor...	5.860	6.257	14589	81262	BelowCal	0.499	
25)	Oxychlordane	0.000	7.726f	0	3951	N.D.	24475.473	#
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d	
27)	trans-Non...	7.615f	0.000	7816	0	34192.569	N.D.	#
28)	2,4'-DDD	0.000	0.000	0	0	N.D.	N.D.	
29)	2,4'-DDT	7.952	0.000	6087	0	BelowCalm	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182138.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 23:07
Operator : MJB
Sample : A0K0482-20RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:30:18 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

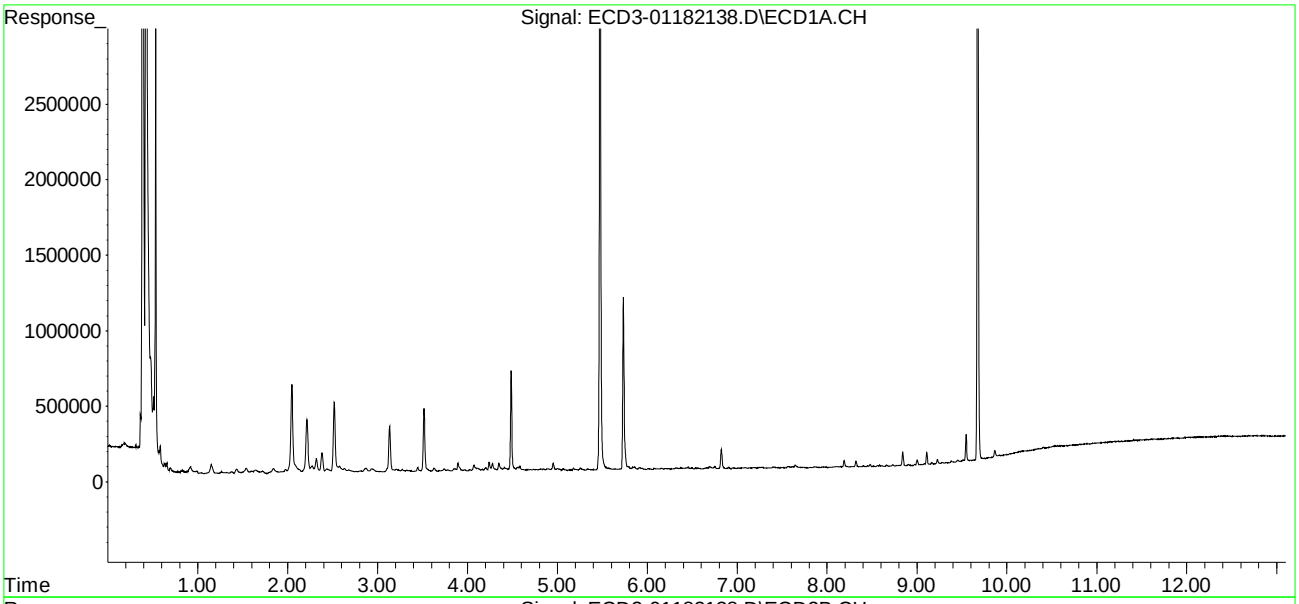
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.104f	0.000	4143	0	BelowCal	N.D.	
31)	Mirex	8.729	9.421	10337	3766	BelowCal	14372.026	
32)	Chlordane...	7.566f	0.000	10224	0	0.502	N.D.	#
33)	Chlordane...	7.646	8.040f	17764	23835	0.916	2.113	#
34)	Chlordane...	8.189	0.000	43952	0	7.303	N.D.	#
35)	Chlordane...	3.777	3.761	7173	8611	NoCal	NoCal	
36)	Toxaphene...	7.615	0.000	7816	0	9.677	N.D.	#
37)	Toxaphene...	7.952f	8.629	2441	4316	25333.584	3.074	#
38)	Toxaphene...	0.000	8.667	0	5432	N.D.	2.707	#
39)	Toxaphene...	8.476	8.758f	17088	9687	4.854	2.910	#
40)	Toxaphene...	8.729f	8.913	10337	5000	3.812	BelowCal	#
41)	Toxaphene...	8.769	9.267	4980	58328	1.579	28.723	#
42)	Toxaphene...	3.777f	3.761	7173	8611	NoCal	NoCal	

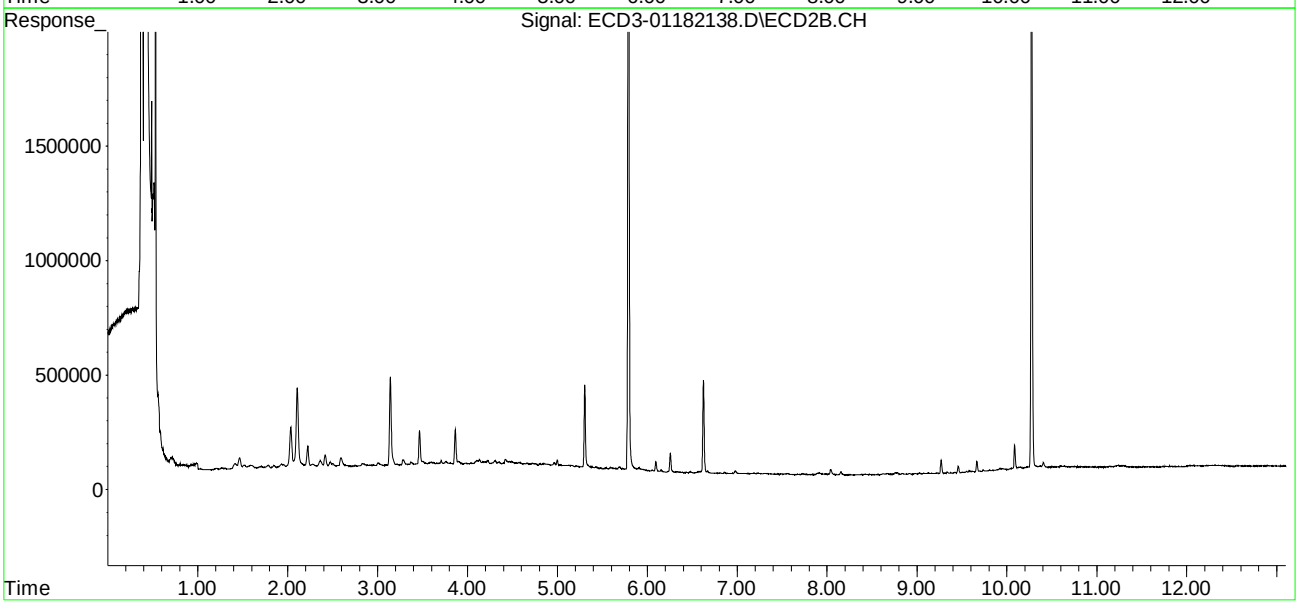
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182138.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 23:07
Operator : MJB
Sample : A0K0482-20RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:30:18 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182139.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 23:24
Operator : MJB
Sample : A0K0482-21RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:31:13 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.476	5.788	6557669	4075282	35.374	37.622	
22) S	DCBP (S)	9.674	10.273	6298697	3264047	57.490	54.236	
	Target Compounds							
2)	a-BHC	6.011	0.000	7572	0	0.032	N.D.	#
3)	g-BHC	6.322	6.669f	7527	7432	0.036	0.057	#
4)	b-BHC	6.374	0.000	8489	0	9544.998	N.D.	#
5)	Heptachlor	6.696	0.000	17224	0	0.088	N.D.	#
6)	d-BHC	6.541	6.978f	4068	12766	0.021	0.108	#
7)	Aldrin	6.949	0.000	1620	0	0.008	N.D.	#
8)	Heptachlo...	7.406	0.000	7075	0	44971.028	N.D.	#
9)	trans-Chl...	7.493	7.909	4256	7254	0.023	6778.190	#
10)	cis-Chlor...	7.617	8.038f	7192	20861	BelowCal	0.036	
11)	Endosulfa...	0.000	8.038f	0	20861	N.D.	0.205	#
12)	4,4'-DDE	7.644	8.152f	21477	12682	0.117	0.113	
13)	Dieldrin	0.000	8.259	0	3088	N.D.	0.028	#
14)	Endrin	0.000	0.000	0	0	N.D.	N.D.	
15)	4,4'-DDD	8.098	0.000	6367	0	0.044	N.D.	#
16)	Endosulfa...	8.188f	8.618	40017	1287	0.283	0.015	#
17)	4,4'-DDT	8.319f	8.757	31212	4510	0.246	0.062	#
18)	Endrin Al...	8.519	8.833f	4666	6850	BelowCal	BelowCal	
19)	Endosulfa...	8.805	0.000	4435	0	0.034	N.D.	#
20)	Methoxychlor	0.000	0.000	0	0	N.D.	N.D.	
21)	Endrin Ke...	8.999	9.454	17795	20808	0.127	0.254	#
23)	Hexachlor...	3.275	3.505	17908	17574	2844.079	1294.018	#
24)	Hexachlor...	5.860	6.257	16772	80442	BelowCal	0.491	
25)	Oxychlordane	0.000	7.726f	0	3833	N.D.	24475.474	#
26)	2,4'-DDE	7.406	7.884	7075	7407	5794.810	11271.803	#
27)	trans-Non...	7.617f	0.000	7192	0	34192.573	N.D.	#
28)	2,4'-DDD	0.000	8.259	0	3088	N.D.	BelowCal	
29)	2,4'-DDT	7.971	0.000	4587	0	BelowCal	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182139.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 23:24
Operator : MJB
Sample : A0K0482-21RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:31:13 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

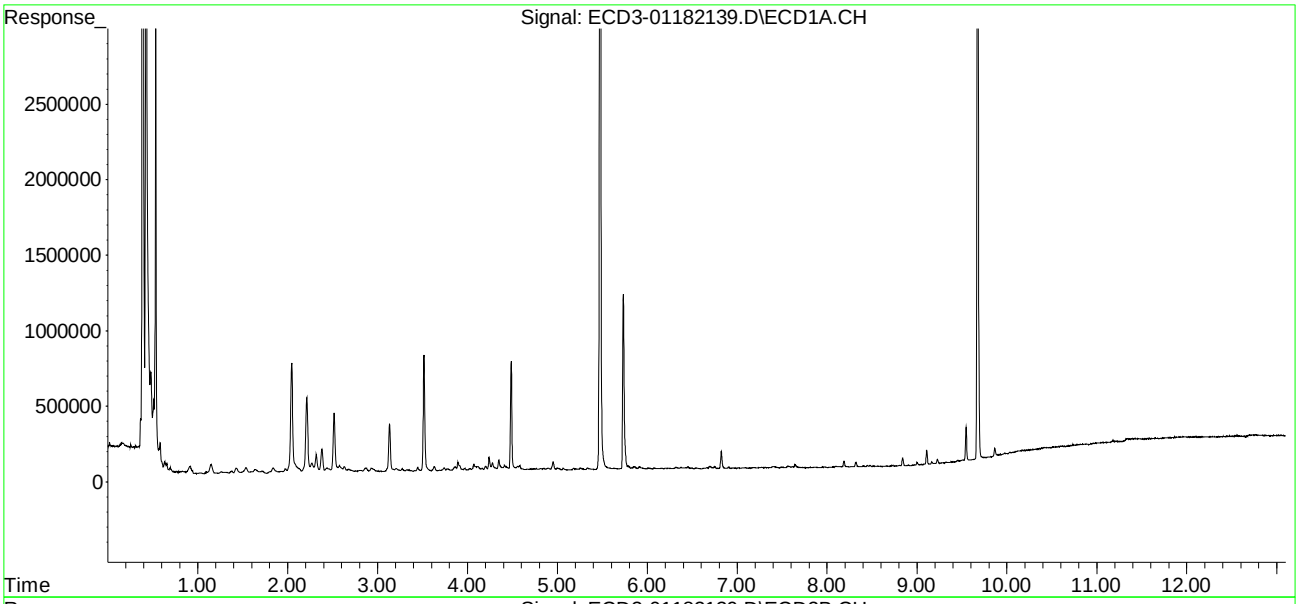
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.098f	0.000	6367	0	BelowCal	N.D.	
31)	Mirex	8.729	9.454f	4867	20808	BelowCal	14371.753	
32)	Chlordane...	7.565f	0.000	12382	0	0.608	N.D.	#
33)	Chlordane...	7.644	8.038f	21477	20861	1.107	1.849	#
34)	Chlordane...	8.188	8.757f	40017	4510	6.649	1.264	#
35)	Chlordane...	3.776	3.758	10508	13269	NoCal	NoCal	
36)	Toxaphene...	7.617	8.259f	7192	3088	8.905	2.498	#
37)	Toxaphene...	0.000	8.618	0	1287	N.D.	0.916	#
38)	Toxaphene...	0.000	8.664	0	4929	N.D.	2.457	#
39)	Toxaphene...	8.476	8.757f	9892	4510	2.810	1.355	#
40)	Toxaphene...	8.729f	0.000	4867	0	1.795	N.D.	#
41)	Toxaphene...	8.805f	9.265f	4435	33674	1.407	16.582	#
42)	Toxaphene...	3.776f	3.758	10508	13269	NoCal	NoCal	

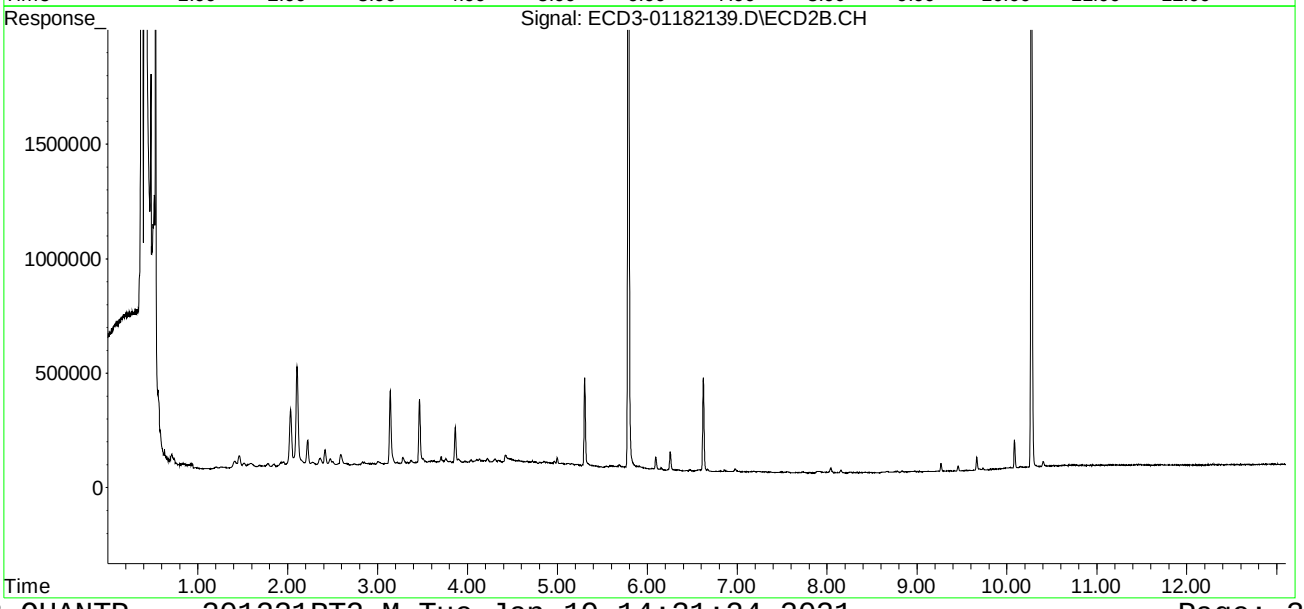
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182139.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 23:24
Operator : MJB
Sample : A0K0482-21RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:31:13 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

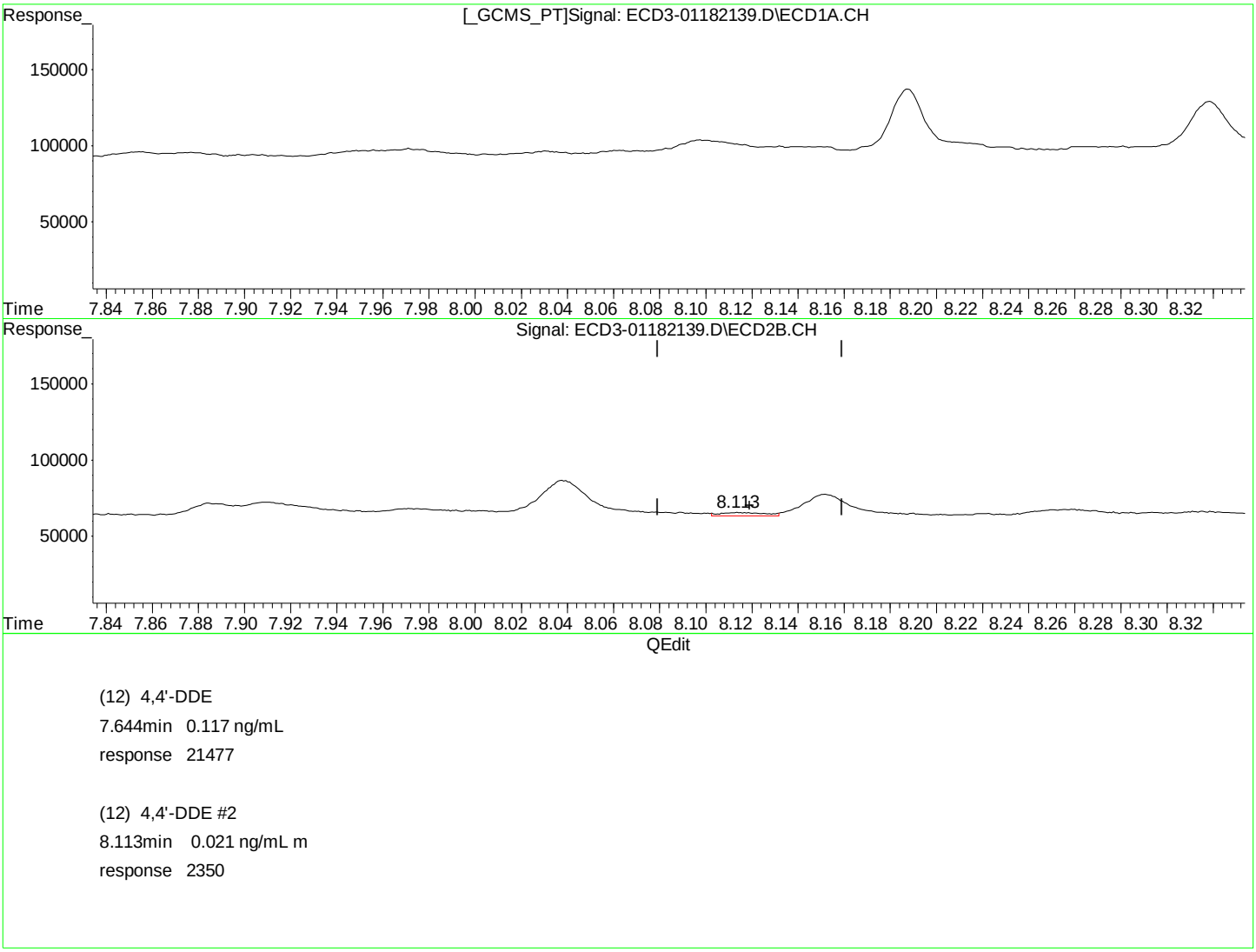




Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182139.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 23:24
Operator : MJB
Sample : A0K0482-21RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:31:13 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(12) 4,4'-DDE
7.644min 0.117 ng/mL
response 21477

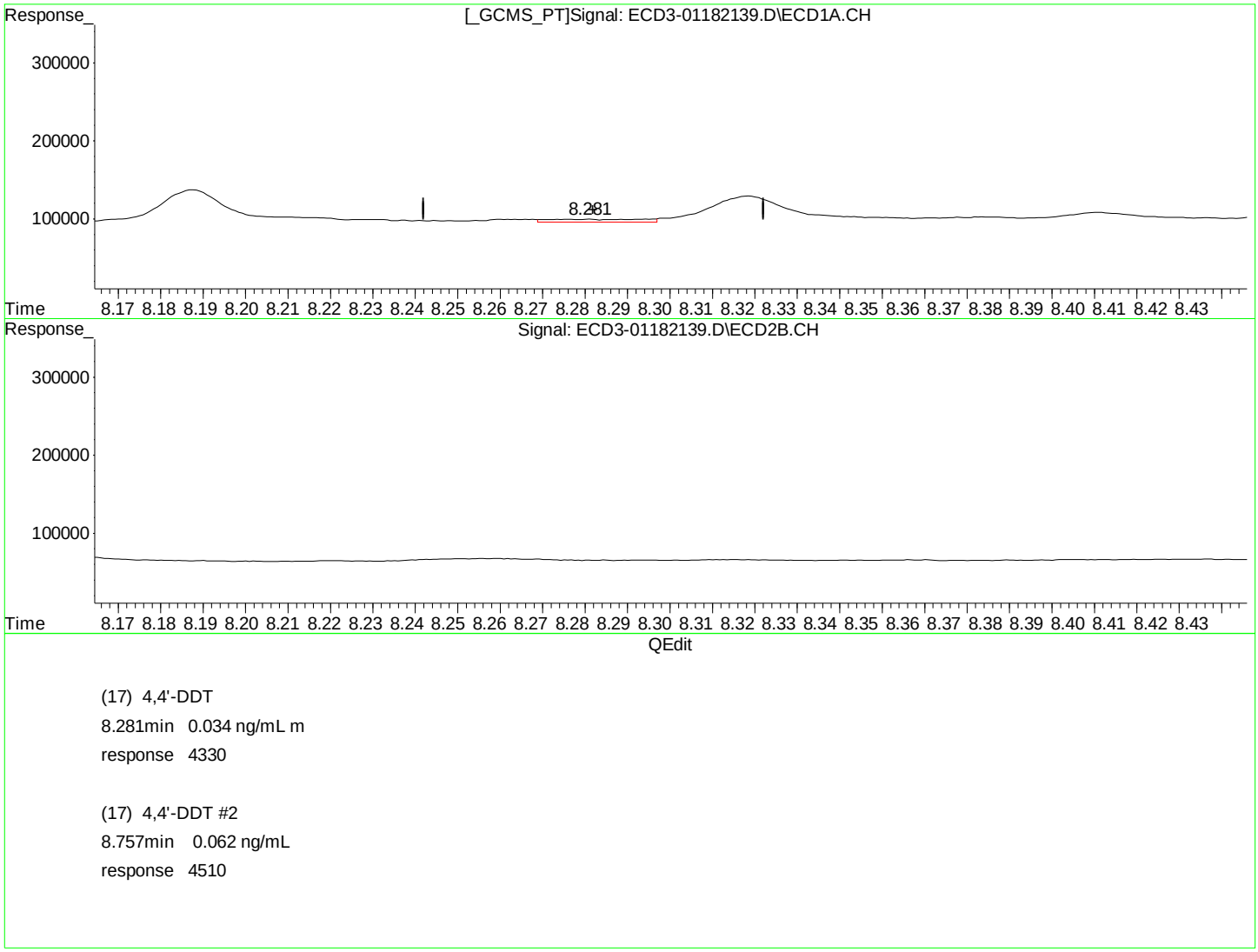
(12) 4,4'-DDE #2
8.113min 0.021 ng/mL m
response 2350

(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182139.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 23:24
Operator : MJB
Sample : A0K0482-21RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:31:13 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(17) 4,4'-DDT
8.281min 0.034 ng/mL m
response 4330

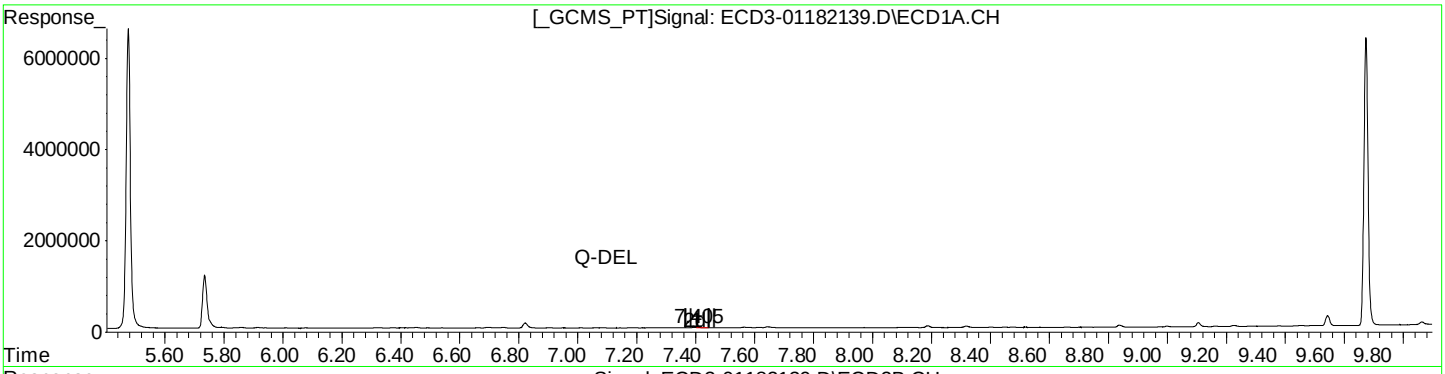
(17) 4,4'-DDT #2
8.757min 0.062 ng/mL
response 4510

(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182139.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 23:24
Operator : MJB
Sample : A0K0482-21RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:31:13 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



QEdit

(26) 2,4'-DDE

~~7.406min~~ ~~5794.810 ng/mL~~

response ~~7075~~

(26) 2,4'-DDE #2

~~7.884min~~ ~~11271.803 ng/mL~~

response ~~7407~~

(+) = Expected Retention Time

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182139.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 23:24
Operator : MJB
Sample : A0K0482-21RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 1/19/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:32:24 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	5.476	5.788	6557669	4075282	35.374	37.622
22) S	DCBP (S)	9.674	10.273	6298697	3264047	57.490	54.236
	Target Compounds						
2)	a-BHC	6.011	0.000	7572	0	0.032	N.D. #
3)	g-BHC	6.322	6.669f	7527	7432	0.036	0.057 #
4)	b-BHC	6.374	0.000	8489	0	9544.998	N.D. #
5)	Heptachlor	6.696	0.000	17224	0	0.088	N.D. #
6)	d-BHC	6.541	6.978f	4068	12766	0.021	0.108 #
7)	Aldrin	6.949	0.000	1620	0	0.008	N.D. #
8)	Heptachlo...	7.406	0.000	7075	0	44971.028	N.D. #
9)	trans-Chl...	7.493	7.909	4256	7254	0.023	6778.190 #
10)	cis-Chlor...	7.617	8.038f	7192	20861	BelowCal	0.036
11)	Endosulfa...	0.000	8.038f	0	20861	N.D.	0.205 #
12)	4,4'-DDE	7.644	8.113	21477	2350	0.117	0.021m#
13)	Dieldrin	0.000	8.259	0	3088	N.D.	0.028 #
14)	Endrin	0.000	0.000	0	0	N.D.	N.D.
15)	4,4'-DDD	8.098	0.000	6367	0	0.044	N.D. #
16)	Endosulfa...	8.188f	8.618	40017	1287	0.283	0.015 #
17)	4,4'-DDT	8.281	8.757	4330	4510	0.034m	0.062 #
18)	Endrin Al...	8.519	8.833f	4666	6850	BelowCal	BelowCal
19)	Endosulfa...	8.805	0.000	4435	0	0.034	N.D. #
20)	Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21)	Endrin Ke...	8.999	9.454	17795	20808	0.127	0.254 #
23)	Hexachlor...	3.275	3.505	17908	17574	2844.079	1294.018 #
24)	Hexachlor...	5.860	6.257	16772	80442	BelowCal	0.491
25)	Oxychlordane	0.000	7.726f	0	3833	N.D.	24475.474 #
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	7.617f	0.000	7192	0	34192.573	N.D. #
28)	2,4'-DDD	0.000	8.259	0	3088	N.D.	BelowCal
29)	2,4'-DDT	7.971	0.000	4587	0	BelowCal	N.D.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182139.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 23:24
Operator : MJB
Sample : A0K0482-21RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:32:24 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

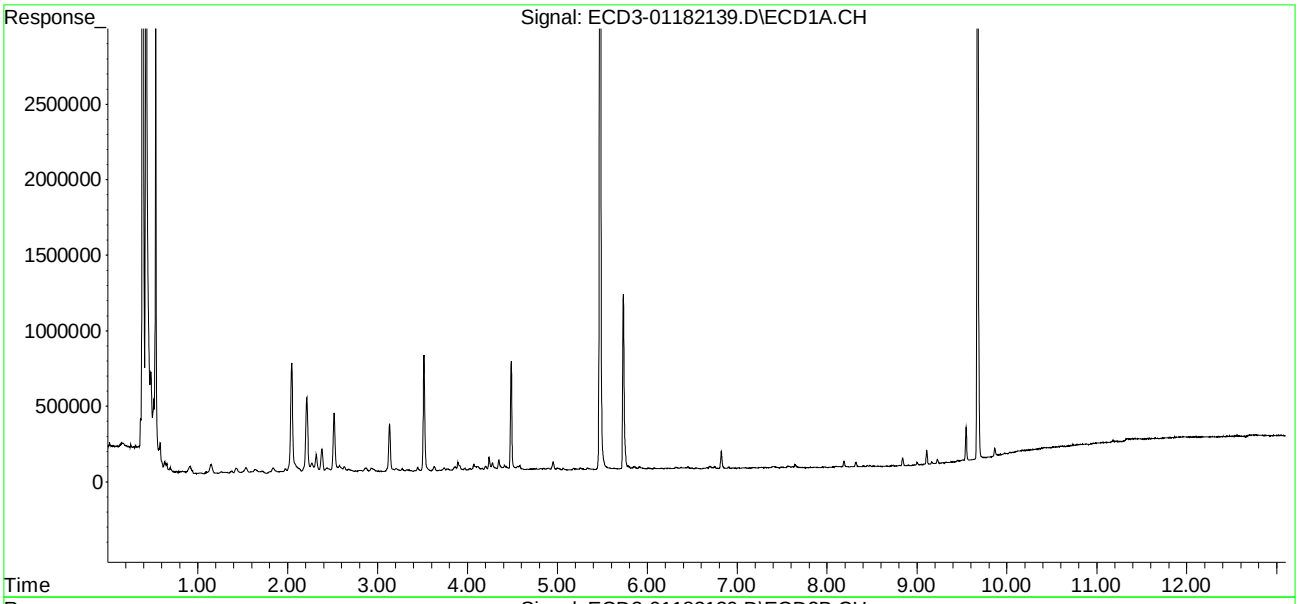
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.098f	0.000	6367	0	BelowCal	N.D.	
31)	Mirex	8.729	9.454f	4867	20808	BelowCal	14371.753	
32)	Chlordane...	7.565f	0.000	12382	0	0.608	N.D.	#
33)	Chlordane...	7.644	8.038f	21477	20861	1.107	1.849	#
34)	Chlordane...	8.188	8.757f	40017	4510	6.649	1.264	#
35)	Chlordane...	3.776	3.758	10508	13269	NoCal	NoCal	
36)	Toxaphene...	7.617	8.259f	7192	3088	8.905	2.498	#
37)	Toxaphene...	0.000	8.618	0	1287	N.D.	0.916	#
38)	Toxaphene...	0.000	8.664	0	4929	N.D.	2.457	#
39)	Toxaphene...	8.476	8.757f	9892	4510	2.810	1.355	#
40)	Toxaphene...	8.729f	0.000	4867	0	1.795	N.D.	#
41)	Toxaphene...	8.805f	9.265f	4435	33674	1.407	16.582	#
42)	Toxaphene...	3.776f	3.758	10508	13269	NoCal	NoCal	

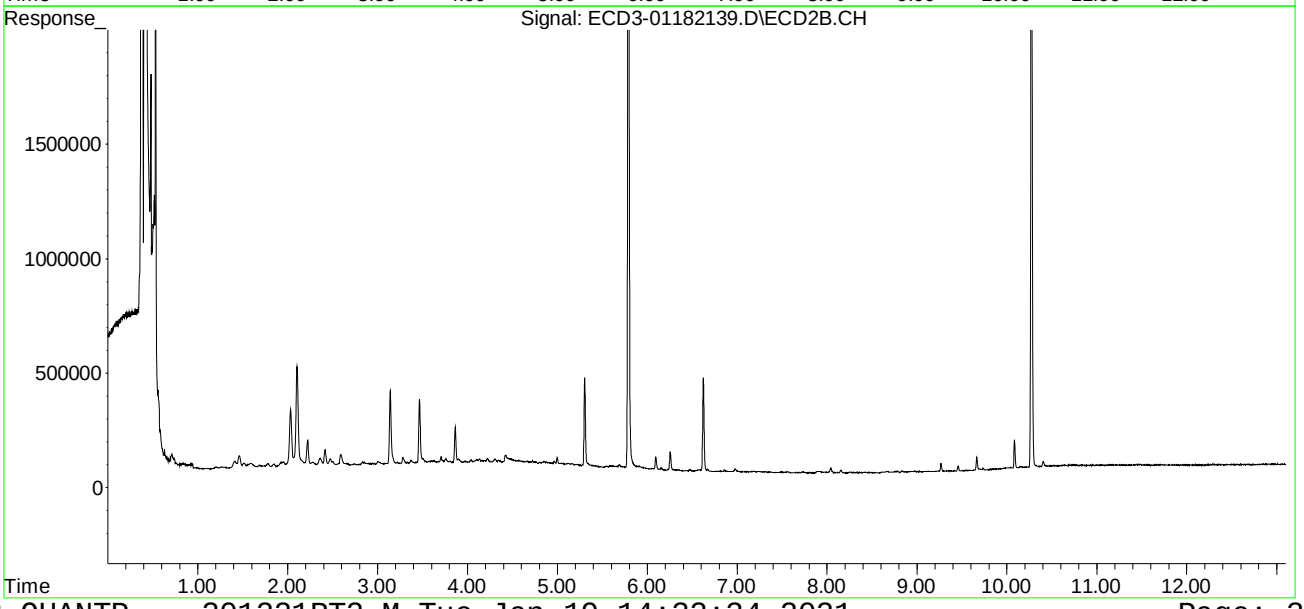
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182139.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 23:24
Operator : MJB
Sample : A0K0482-21RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:32:24 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182140.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 23:41
Operator : MJB
Sample : 1012907-MS2
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 1/19/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:33:23 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.475	5.788	7078961	4456374	38.186	41.198	
22) S	DCBP (S)	9.675	10.274	5567290	3127434	50.709	51.913	
	Target Compounds							
2)	a-BHC	6.011	0.000	8937	0	0.038	N.D.	#
3)	g-BHC	6.318	6.669f	5585	7692	0.027	0.059	#
4)	b-BHC	6.373	6.805f	9717	4642	9544.984	2944.391	#
5)	Heptachlor	6.694	0.000	23099	0	0.118	N.D.	#
6)	d-BHC	6.539	6.976f	14188	15091	0.073	0.128	#
7)	Aldrin	6.953	0.000	4081	0	0.020	N.D.	#
8)	Heptachlo...	7.406	7.736f	5196883	104402	30.324	0.832	#
9)	trans-Chl...	7.519	7.891	13516	3293417	0.072	30.043	#
10)	cis-Chlor...	7.614	8.038f	12178	31124	BelowCal	0.135	
11)	Endosulfa...	7.719	8.038f	20399	31124	0.124	0.306	#
12)	4,4'-DDE	7.657	8.116	8636944	5032080	46.850	44.671	
13)	Dieldrin	0.000	8.262	0	3008917	N.D.	26.857	#
14)	Endrin	8.085f	8.482	6534029	3064232	47.577	37.625	
15)	4,4'-DDD	8.085	8.528	6534029	3846663	45.557	43.790	
16)	Endosulfa...	8.208	8.630	15619	9819	0.111	0.113	
17)	4,4'-DDT	8.280	8.752	6658101	3889044	52.497	53.766	
18)	Endrin Al...	8.511	8.833f	4241	7359	BelowCal	BelowCal	
19)	Endosulfa...	8.839f	9.082f	45216	3072	0.347	0.041	#
20)	Methoxychlor	0.000	0.000	0	0	N.D.	N.D.	
21)	Endrin Ke...	8.999	9.455	21537	22917	0.154	0.279	#
23)	Hexachlor...	3.272	3.505	18086	21219	2844.078	1293.988	#
24)	Hexachlor...	5.860	6.257	21230	84602	BelowCal	0.530	
25)	Oxychlordane	0.000	7.695	0	9476	N.D.	24475.411	#
26)	2,4'-DDE	7.406	7.891	5196883	3293417	46.279	46.202	
27)	trans-Non...	7.614f	0.000	12178	0	34192.543	N.D.	#
28)	2,4'-DDD	7.782	8.262	4985623	3008917	49.729	48.936	
29)	2,4'-DDT	7.963	8.482	5257758	3064232	54.399	53.911	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182140.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 23:41
Operator : MJB
Sample : 1012907-MS2
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:33:23 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

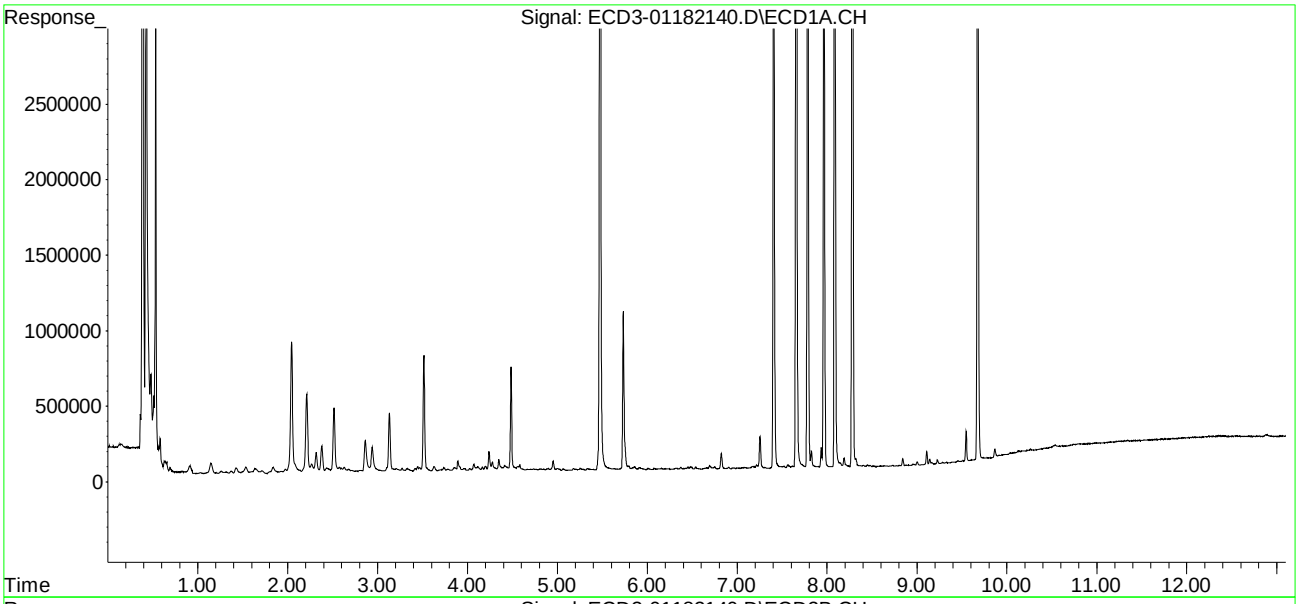
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.085	8.528	6534029	3846663	36.775	36.034	
31)	Mirex	8.727	9.455f	5350	22917	BelowCal	0.002	
32)	Chlordane...	7.519f	0.000	13516	0	0.664	N.D.	#
33)	Chlordane...	7.657f	8.038f	8636944	31124	445.235	2.759	#
34)	Chlordane...	8.188	8.752f	60169	3889044	9.997	1089.912	#
35)	Chlordane...	3.781	3.760	8125	20327	NoCal	NoCal	
36)	Toxaphene...	7.614	8.262f	12178	3008917	15.079	2433.277	#
37)	Toxaphene...	7.934	8.630	128431	9819	72.444	6.992	#
38)	Toxaphene...	8.208f	8.665	15619	6950	4.605	3.463	
39)	Toxaphene...	8.478	8.752	9964	3889044	2.831	1168.366	#
40)	Toxaphene...	8.727f	0.000	5350	0	1.973	N.D.	#
41)	Toxaphene...	0.000	9.266f	0	30176	N.D.	14.860	#
42)	Toxaphene...	3.781	3.760	8125	20327	NoCal	NoCal	

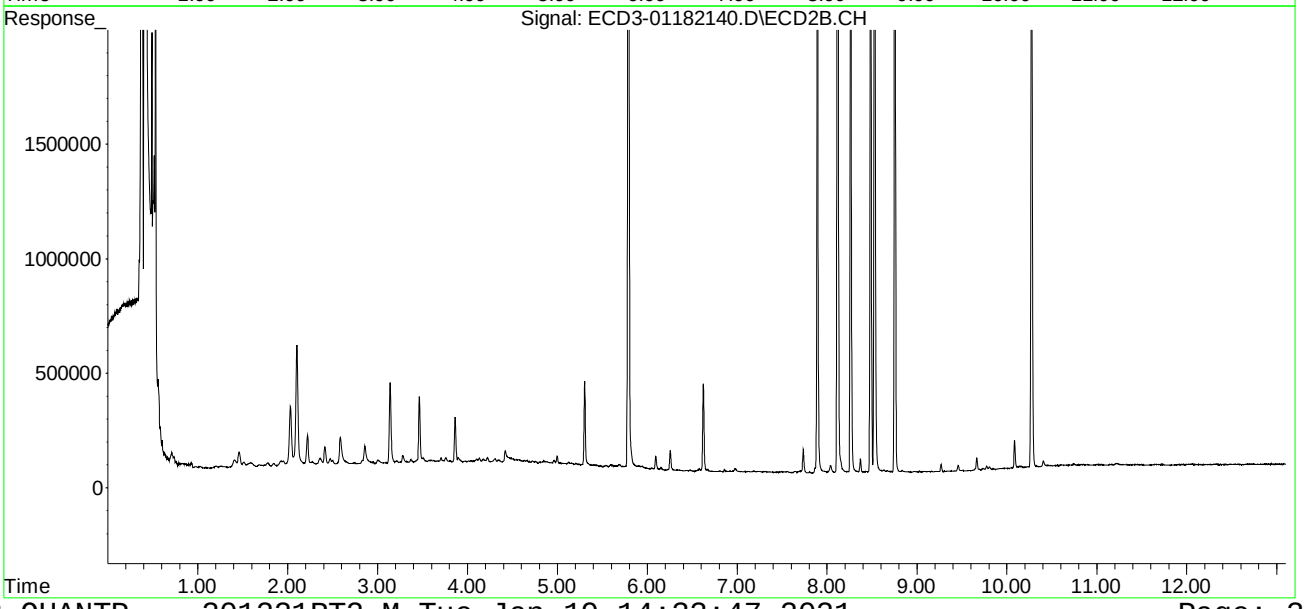
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182140.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 23:41
Operator : MJB
Sample : 1012907-MS2
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:33:23 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182141.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 23:59
Operator : MJB
Sample : 1012907-MSD2
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 28 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 1/19/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:34:21 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.475	5.788	4580036	2893823	24.706	26.582	
22) S	DCBP (S)	9.674	10.274	5141593	2866341	46.772	47.484	
	Target Compounds							
2)	a-BHC	6.012	0.000	5186	0	0.022	N.D.	#
3)	g-BHC	0.000	6.670f	0	5212	N.D.	0.040	#
4)	b-BHC	0.000	0.000	0	0	N.D.	N.D.	
5)	Heptachlor	6.698	0.000	15880	0	0.081	N.D.	#
6)	d-BHC	6.539	6.980f	6769	9898	0.035	0.084	#
7)	Aldrin	0.000	0.000	0	0	N.D.	N.D.	
8)	Heptachlo...	7.406	7.730f	3936286	4769	22.928	3530.572	#
9)	trans-Chl...	7.520	7.891	9071	2515603	0.049	22.886	#
10)	cis-Chlor...	7.617	8.039f	8798	13416	BelowCal	4425.520	
11)	Endosulfa...	7.720	8.039f	15837	13416	0.096	0.132	
12)	4,4'-DDE	7.657	8.116	6453291	3939966	35.005	34.976	
13)	Dieldrin	0.000	8.262	0	2557196	N.D.	22.825	#
14)	Endrin	8.085f	8.483	5668328	2539418	41.274	31.181	
15)	4,4'-DDD	8.085	8.528	5668328	3337448	39.521	37.994	
16)	Endosulfa...	8.189f	8.631	30917	6122	0.219	0.070	#
17)	4,4'-DDT	8.281	8.751	5809208	3248352	45.803	44.908	
18)	Endrin Al...	8.473f	0.000	7619	0	BelowCal	N.D.	
19)	Endosulfa...	8.838f	0.000	37736	0	0.289	N.D.	#
20)	Methoxychlor	0.000	0.000	0	0	N.D.	N.D.	
21)	Endrin Ke...	9.000	9.456	14205	16177	0.101	0.197	#
23)	Hexachlor...	3.275	3.505	8796	10080	2844.132	1294.079	#
24)	Hexachlor...	5.860	6.256	10989	63462	BelowCal	0.332	
25)	Oxychlordane	0.000	7.730f	0	4769	N.D.	24475.464	#
26)	2,4'-DDE	7.406	7.891	3936286	2515603	34.932	35.202	
27)	trans-Non...	7.617f	0.000	8798	0	34192.564	N.D.	#
28)	2,4'-DDD	7.783	8.262	4235637	2557196	42.257	41.554	
29)	2,4'-DDT	7.963	8.483	4308544	2539418	44.857	45.001	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182141.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 23:59
Operator : MJB
Sample : 1012907-MSD2
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 28 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:34:21 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

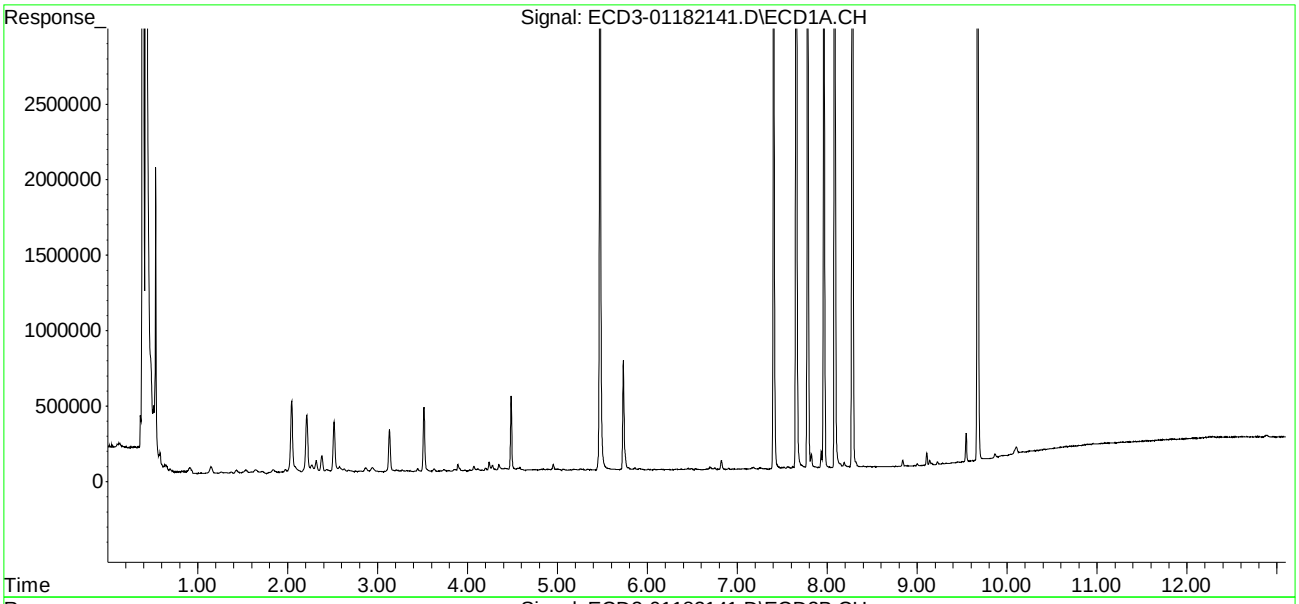
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.085	8.528	5668328	3337448	31.916	31.249	
31)	Mirex	0.000	9.456f	0	16177	N.D.	14371.827	#
32)	Chlordane...	7.520f	0.000	9071	0	0.445	N.D.	#
33)	Chlordane...	7.617f	8.039f	8798	13416	0.454	1.189	#
34)	Chlordane...	8.189	8.751f	30917	3248352	5.137	910.357	#
35)	Chlordane...	0.000	3.757	0	7187	N.D.	NoCal	
36)	Toxaphene...	7.617	8.262f	8798	2557196	10.893	2067.975	#
37)	Toxaphene...	7.934	8.631	110829	6122	62.159	4.360	#
38)	Toxaphene...	0.000	8.631f	0	6122	N.D.	3.051	#
39)	Toxaphene...	8.473	8.751	7619	3248352	2.164	975.886	#
40)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
41)	Toxaphene...	0.000	9.266f	0	25094	N.D.	12.357	#
42)	Toxaphene...	0.000	3.757	0	7187	N.D.	NoCal	

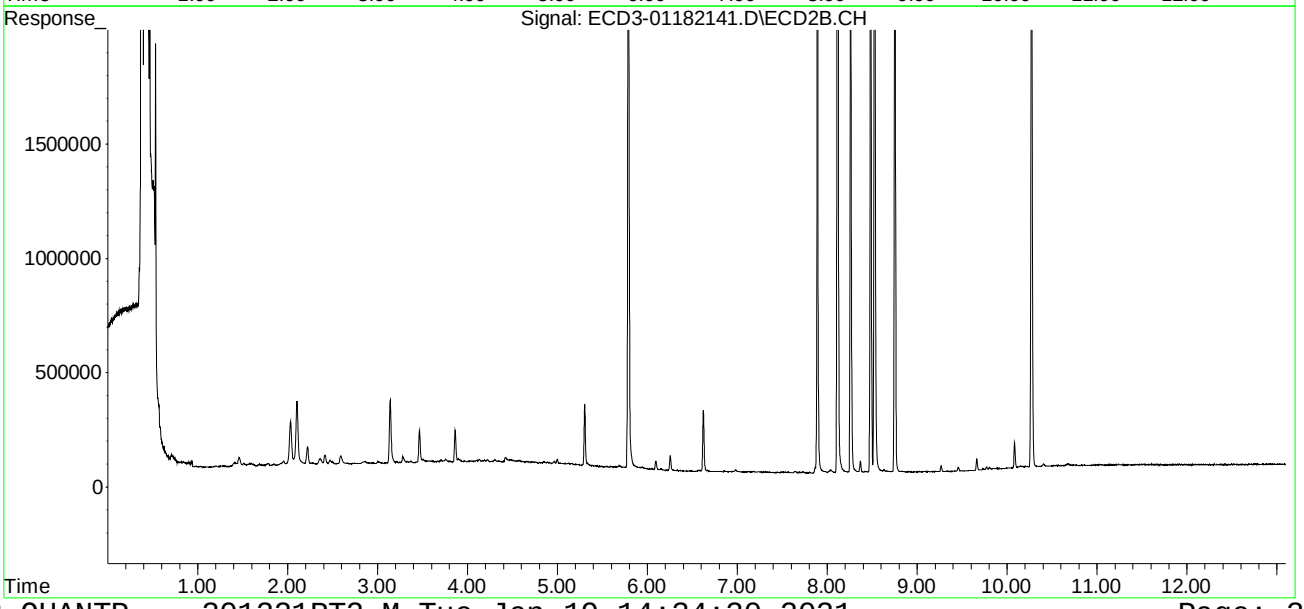
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182141.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Jan 2021 23:59
Operator : MJB
Sample : 1012907-MSD2
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 28 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:34:21 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182142.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Jan 2021 0:15
Operator : MJB
Sample : A0K0482-22RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 29 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:35:26 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.476	5.789	4035162	2502314	21.767	22.940	
22) S	DCBP (S)	9.674	10.273	4780062	2735168	43.435	45.264	
	Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)	g-BHC	0.000	6.666f	0	3839	N.D.	0.030	#
4)	b-BHC	6.413f	0.000	6757	0	9545.017	N.D.	#
5)	Heptachlor	6.697	0.000	15044	0	0.077	N.D.	#
6)	d-BHC	6.539	6.979f	5996	8375	0.031	0.071	#
7)	Aldrin	0.000	0.000	0	0	N.D.	N.D.	
8)	Heptachlo...	7.406	7.727f	21080	3159	44970.946	3530.587	#
9)	trans-Chl...	0.000	7.908	0	5296	N.D.	6778.208	#
10)	cis-Chlor...	7.617	8.039f	6346	10871	BelowCal	4425.544	
11)	Endosulfa...	0.000	8.039f	0	10871	N.D.	0.107	#
12)	4,4'-DDE	7.656	8.117	22835	11258	0.124	0.100	
13)	Dieldrin	0.000	8.260	0	6295	N.D.	0.056	#
14)	Endrin	0.000	8.482	0	4969	N.D.	0.061	#
15)	4,4'-DDD	8.096	0.000	6359	0	0.044	N.D.	#
16)	Endosulfa...	8.188f	8.664f	20849	5572	0.148	0.064	#
17)	4,4'-DDT	8.281	8.754	3835	5264	0.030	0.073	#
18)	Endrin Al...	8.518	8.834f	3685	2917	BelowCal	BelowCal	
19)	Endosulfa...	8.838f	0.000	37176	0	0.285	N.D.	#
20)	Methoxychlor	0.000	0.000	0	0	N.D.	N.D.	
21)	Endrin Ke...	9.000	9.455	10296	12809	0.074	0.156	#
23)	Hexachlor...	3.275	3.505	9545	8033	2844.128	1294.096	#
24)	Hexachlor...	5.860	6.257	9845	134669	BelowCal	0.999	
25)	Oxychlordane	0.000	7.727f	0	3159	N.D.	24475.481	#
26)	2,4'-DDE	7.406	7.892	21080	14155	5794.686	11271.708	#
27)	trans-Non...	7.617f	0.000	6346	0	34192.578	N.D.	#
28)	2,4'-DDD	7.782	8.260	5681	6295	BelowCal	BelowCal	
29)	2,4'-DDT	7.965	8.482	8479	4969	BelowCal	BelowCal	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182142.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Jan 2021 0:15
Operator : MJB
Sample : A0K0482-22RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 29 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:35:26 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

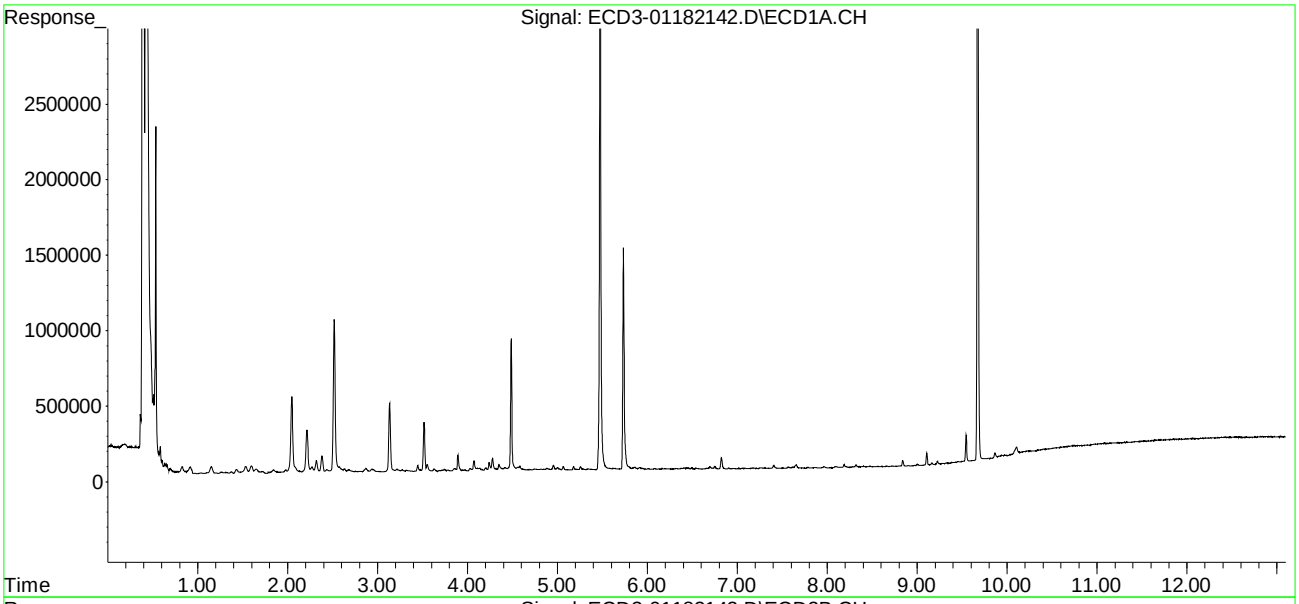
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.096f	0.000	6359	0	BelowCal	N.D.	
31)	Mirex	8.727	9.455f	4421	12809	BelowCal	14371.881	
32)	Chlordane...	7.565f	0.000	6962	0	0.342	N.D.	#
33)	Chlordane...	7.656	8.039f	22835	10871	1.177	0.964	
34)	Chlordane...	8.188	8.754f	20849	5264	3.464	1.475	#
35)	Chlordane...	3.784	3.761	6483	9588	NoCal	NoCal	
36)	Toxaphene...	7.617	8.260f	6346	6295	7.858	5.091	
37)	Toxaphene...	0.000	8.664f	0	5572	N.D.	3.968	#
38)	Toxaphene...	0.000	8.664	0	5572	N.D.	2.777	#
39)	Toxaphene...	8.477	8.754	6852	5264	1.947	1.581	
40)	Toxaphene...	8.727f	0.000	4421	0	1.631	N.D.	#
41)	Toxaphene...	0.000	9.266f	0	23634	N.D.	11.638	#
42)	Toxaphene...	3.784	3.761	6483	9588	NoCal	NoCal	

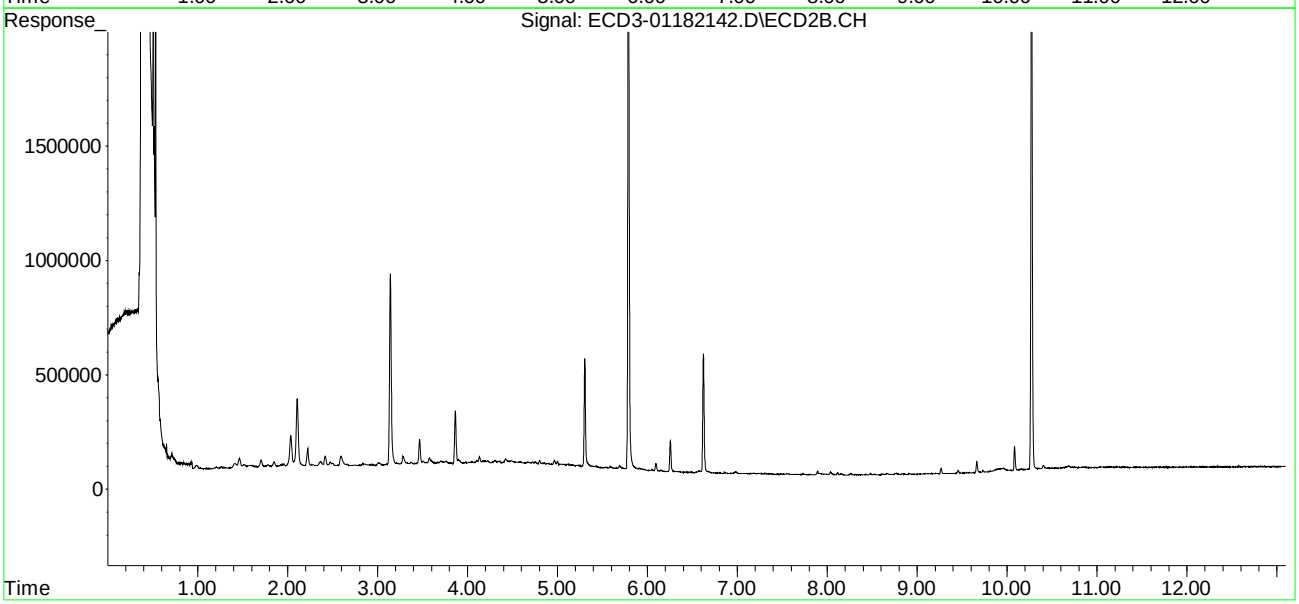
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182142.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Jan 2021 0:15
Operator : MJB
Sample : A0K0482-22RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 29 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:35:26 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

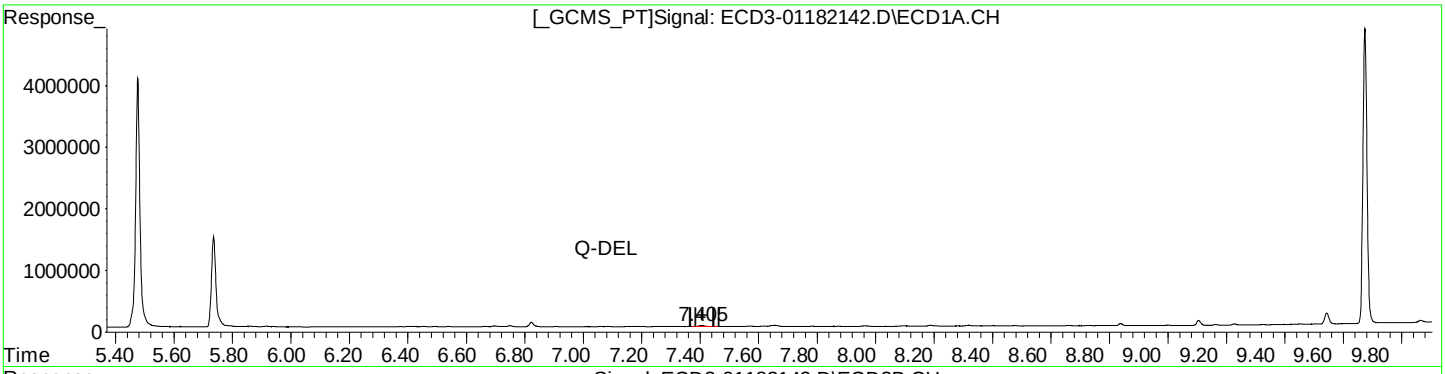


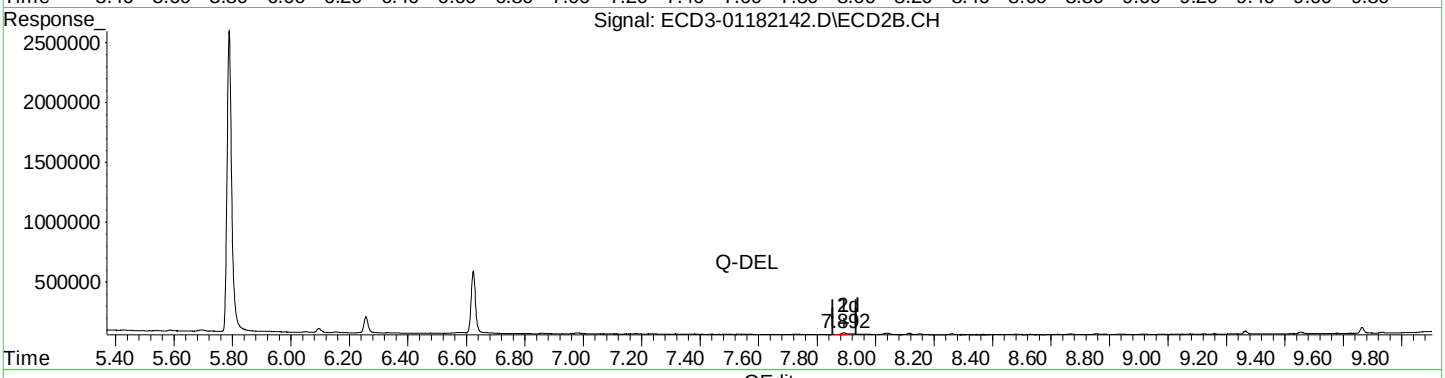


Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182142.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Jan 2021 0:15
Operator : MJB
Sample : A0K0482-22RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 29 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:35:26 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





QEdit

(26) 2,4'-DDE
~~7.406min 5794.686 ng/mL~~
response ~~21080~~

(26) 2,4'-DDE #2
~~7.892min 11271.708 ng/mL~~
response ~~14155~~

(+) = Expected Retention Time

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182142.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Jan 2021 0:15
Operator : MJB
Sample : A0K0482-22RE1 MJB 1/19/21
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 29 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:36:13 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.476	5.789	4035162	2502314	21.767	22.940	
22)	S DCBP (S)	9.674	10.273	4780062	2735168	43.435	45.264	
	Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)	g-BHC	0.000	6.666f	0	3839	N.D.	0.030	#
4)	b-BHC	6.413f	0.000	6757	0	9545.017	N.D.	#
5)	Heptachlor	6.697	0.000	15044	0	0.077	N.D.	#
6)	d-BHC	6.539	6.979f	5996	8375	0.031	0.071	#
7)	Aldrin	0.000	0.000	0	0	N.D.	N.D.	
8)	Heptachlo...	7.406	7.727f	21080	3159	44970.946	3530.587	#
9)	trans-Chl...	0.000	7.908	0	5296	N.D.	6778.208	#
10)	cis-Chlor...	7.617	8.039f	6346	10871	BelowCal	4425.544	
11)	Endosulfa...	0.000	8.039f	0	10871	N.D.	0.107	#
12)	4,4'-DDE	7.656	8.117	22835	11258	0.124	0.100	
13)	Dieldrin	0.000	8.260	0	6295	N.D.	0.056	#
14)	Endrin	0.000	8.482	0	4969	N.D.	0.061	#
15)	4,4'-DDD	8.096	0.000	6359	0	0.044	N.D.	#
16)	Endosulfa...	8.188f	8.664f	20849	5572	0.148	0.064	#
17)	4,4'-DDT	8.281	8.754	3835	5264	0.030	0.073	#
18)	Endrin Al...	8.518	8.834f	3685	2917	BelowCal	BelowCal	
19)	Endosulfa...	8.838f	0.000	37176	0	0.285	N.D.	#
20)	Methoxychlor	0.000	0.000	0	0	N.D.	N.D.	
21)	Endrin Ke...	9.000	9.455	10296	12809	0.074	0.156	#
23)	Hexachlor...	3.275	3.505	9545	8033	2844.128	1294.096	#
24)	Hexachlor...	5.860	6.257	9845	134669	BelowCal	0.999	
25)	Oxychlordane	0.000	7.727f	0	3159	N.D.	24475.481	#
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d	
27)	trans-Non...	7.617f	0.000	6346	0	34192.578	N.D.	#
28)	2,4'-DDD	7.782	8.260	5681	6295	BelowCal	BelowCal	
29)	2,4'-DDT	7.965	8.482	8479	4969	BelowCal	BelowCal	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182142.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Jan 2021 0:15
Operator : MJB
Sample : A0K0482-22RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 29 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:36:13 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

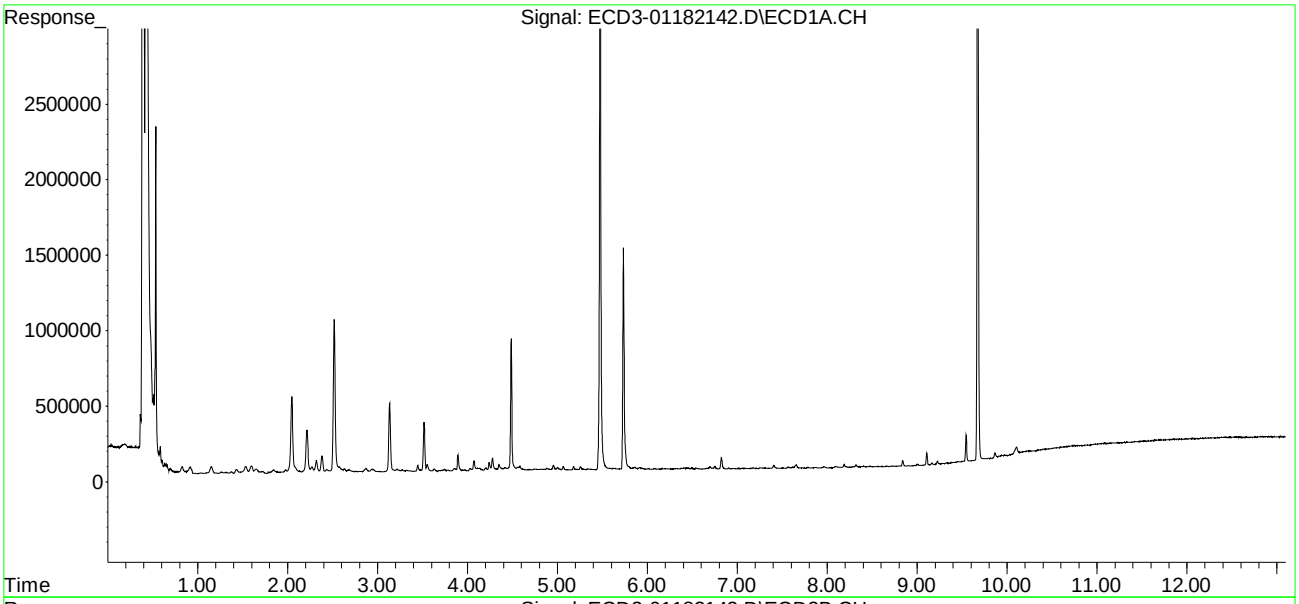
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.096f	0.000	6359	0	BelowCal	N.D.	
31)	Mirex	8.727	9.455f	4421	12809	BelowCal	14371.881	
32)	Chlordane...	7.565f	0.000	6962	0	0.342	N.D.	#
33)	Chlordane...	7.656	8.039f	22835	10871	1.177	0.964	
34)	Chlordane...	8.188	8.754f	20849	5264	3.464	1.475	#
35)	Chlordane...	3.784	3.761	6483	9588	NoCal	NoCal	
36)	Toxaphene...	7.617	8.260f	6346	6295	7.858	5.091	
37)	Toxaphene...	0.000	8.664f	0	5572	N.D.	3.968	#
38)	Toxaphene...	0.000	8.664	0	5572	N.D.	2.777	#
39)	Toxaphene...	8.477	8.754	6852	5264	1.947	1.581	
40)	Toxaphene...	8.727f	0.000	4421	0	1.631	N.D.	#
41)	Toxaphene...	0.000	9.266f	0	23634	N.D.	11.638	#
42)	Toxaphene...	3.784	3.761	6483	9588	NoCal	NoCal	

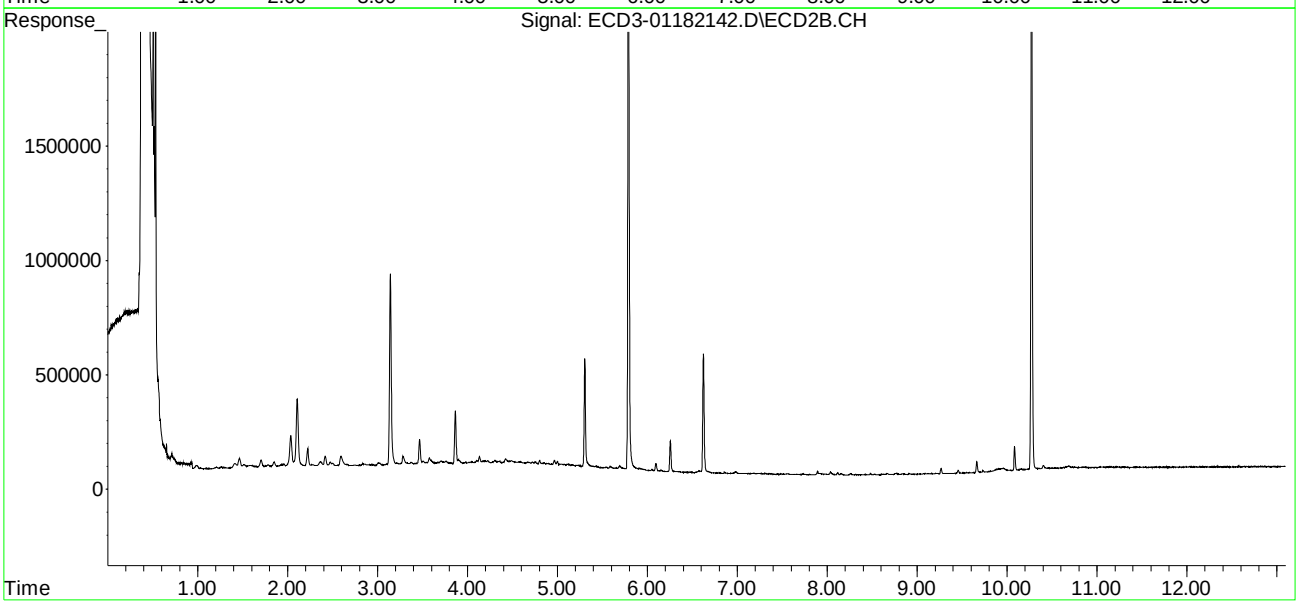
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182142.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Jan 2021 0:15
Operator : MJB
Sample : A0K0482-22RE1
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC
ALS Vial : 29 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:36:13 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182143.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Jan 2021 0:32
Operator : MJB
Sample : 1A18049-CCVA MJB 1/19/21
Misc : A20L217, AB 100 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:37:07 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.477	5.790	14941605	8832818	80.598	82.815	
22) S	DCBP (S)	9.676	10.275	10457630	6080811	96.490	103.088	
	Target Compounds							
2)	a-BHC	6.026	6.381	21785927	13407816	91.556	90.595	
3)	g-BHC	6.311	6.695	19234869	11635436	92.040	89.474	
4)	b-BHC	6.388	6.763	7352661	4748400	82.986	85.825	
5)	Heptachlor	6.707	7.067	18736183	11091948	95.797	91.168	
6)	d-BHC	6.540	7.009	16397867	10340805	83.956	87.570	
7)	Aldrin	6.948	7.328	18246937	10842513	90.034	86.764	
8)	Heptachlo...	7.416	7.763	16185007	9949919	94.895	94.157	
9)	trans-Chl...	7.507	7.903	16456292	10072848	88.173	93.085	
10)	cis-Chlor...	7.605	8.010	15955687	9514506	93.076	93.102	
11)	Endosulfa...	7.708	8.057	14688722	9302224	89.083	91.437	
12)	4,4'-DDE	7.659	8.118	15729692	9400377	85.324	83.450	
13)	Dieldrin	7.881	8.255	17102412	10228541	92.953	91.297	
14)	Endrin	8.049	8.476	14331772	8010246	104.357	98.357	
15)	4,4'-DDD	8.087	8.529	13436904	8040429	93.685	91.532	
16)	Endosulfa...	8.208	8.623	13056816	7959735	92.466	91.442	
17)	4,4'-DDT	8.282	8.753	12776770	6982473	100.740	96.532	
18)	Endrin Al...	8.504	8.858	11358607	6762378	96.203	96.884	
19)	Endosulfa...	8.807	9.052	13070117	7703267	100.254	103.837	
20)	Methoxychlor	8.613	9.219	5691851	3397505	94.946	94.395	
21)	Endrin Ke...	9.006	9.437	14337318	8426006	102.369	102.703	
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)	Hexachlor...	5.864	0.000	29788	0	BelowCal	N.D.	
25)	Oxychlordane	7.349	7.696	79928	5175	0.324	24475.459	#
26)	2,4'-DDE	7.416	7.903	16185007	10072848	147.166	143.013	
27)	trans-Non...	7.605	7.969	15955687	39346	95.801	0.137	#
28)	2,4'-DDD	7.792	8.255	46119	10228541	0.269	166.712	#
29)	2,4'-DDT	7.963	8.476	53419	8010246	0.385	131.963	#

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182143.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Jan 2021 0:32
Operator : MJB
Sample : 1A18049-CCVA
Misc : A20L217, AB 100 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:37:07 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

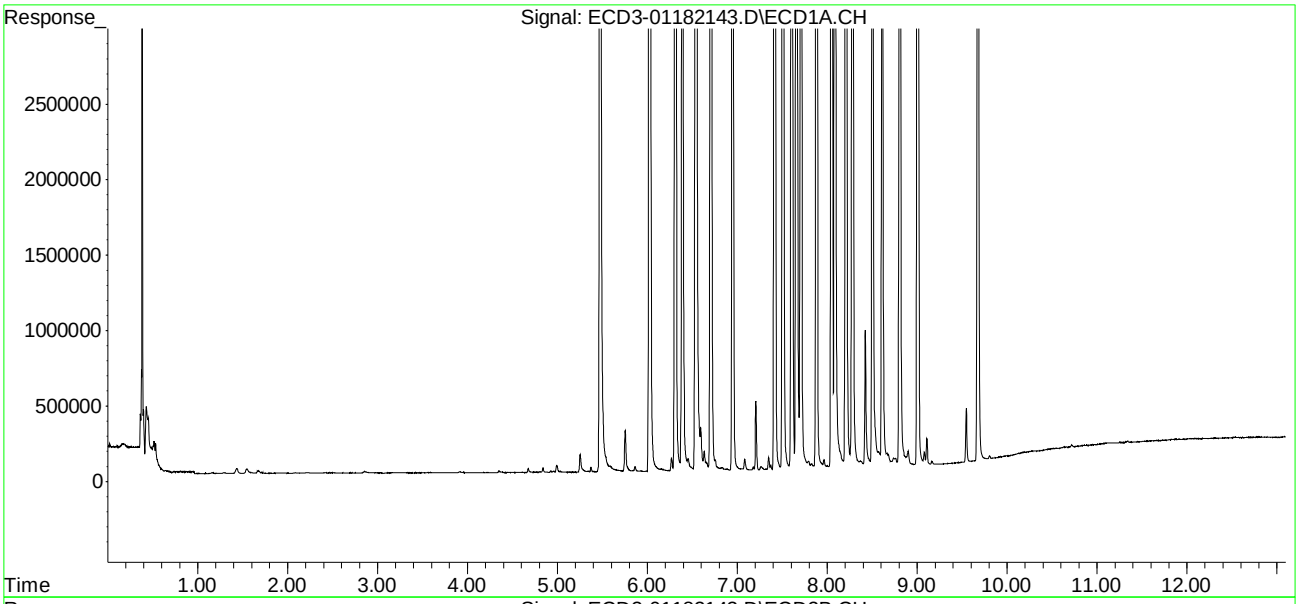
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.087	8.529	13436904	8040429	75.092	75.230	
31)	Mirex	8.737	9.437	50234	8426006	0.120	135.997	#
32)	Chlordane...	7.507f	7.969	16456292	39346	808.137	2.942	#
33)	Chlordane...	7.659f	8.057	15729692	9302224	810.866	824.657	
34)	Chlordane...	8.208	8.707	13056816	50814	2169.401	14.241	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.605	8.255f	15955687	10228541	19755.613	8271.705	#
37)	Toxaphene...	7.881f	8.623	17102412	7959735	BelowCal	5668.603	
38)	Toxaphene...	8.208f	8.707f	13056816	50814	3849.512	25.324	#
39)	Toxaphene...	8.504f	8.753	11358607	6982473	3226.726	2097.709	
40)	Toxaphene...	8.679f	8.934	73922	690257	27.262	353.857	#
41)	Toxaphene...	8.759	9.304	48965	42235	15.528	20.798	
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

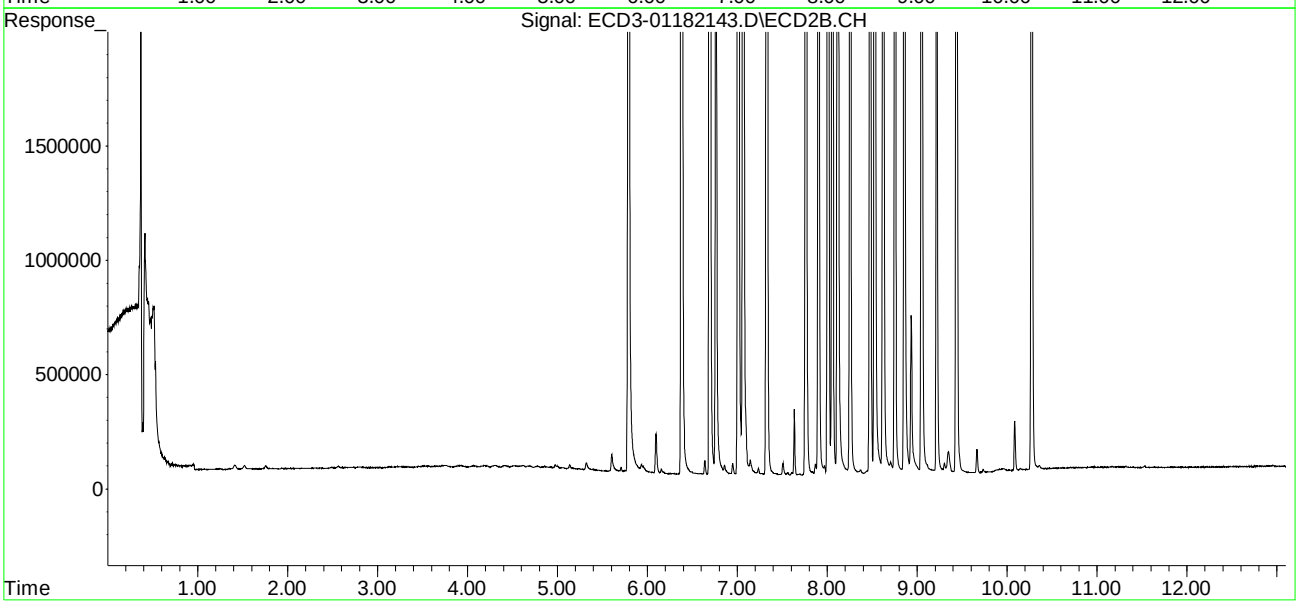
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182143.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Jan 2021 0:32
Operator : MJB
Sample : 1A18049-CCVA
Misc : A20L217, AB 100 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:37:07 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182144.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Jan 2021 0:49
Operator : MJB
Sample : 1A18049-CCVB MJB 1/19/21
Misc : A21A188, 9-42 100 ppb
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:25:49 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.448f	5.826f	127622	76851	0.688	0.542	
22) S	DCBP (S)	9.678	10.275	4570	1945	4158.024	2751.274	
	Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)	g-BHC	6.272f	0.000	4598	0	0.022	N.D.	#
4)	b-BHC	0.000	0.000	0	0	N.D.	N.D.	
5)	Heptachlor	6.707	7.067	46059	29158	0.235	0.240	
6)	d-BHC	0.000	0.000	0	0	N.D.	N.D.	
7)	Aldrin	0.000	7.370f	0	3736	N.D.	0.030	#
8)	Heptachlo...	7.408	7.802f	10526861	47937	61.622	0.311	#
9)	trans-Chl...	7.504	7.894	49140	6700572	0.263	61.577	#
10)	cis-Chlor...	7.592	0.000	17404562	0	101.428	N.D.	#
11)	Endosulfa...	7.687f	8.055	34516	23984	0.209	0.236	
12)	4,4'-DDE	7.687f	0.000	34516	0	0.187	N.D.	#
13)	Dieldrin	7.857f	8.264	109804	5928028	0.597	52.912	#
14)	Endrin	8.068	8.484	18419292	5830666	134.120	71.594	#
15)	4,4'-DDD	8.068	8.527	18419292	10517454	128.424	119.731	
16)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
17)	4,4'-DDT	8.258f	8.738	7690	3199	0.061	0.044	
18)	Endrin Al...	8.501	8.868	11915	12632	BelowCal	BelowCal	
19)	Endosulfa...	8.814	0.000	27039	0	0.207	N.D.	#
20)	Methoxychlor	0.000	0.000	0	0	N.D.	N.D.	
21)	Endrin Ke...	9.042f	9.427	3503	6430073	0.025	78.375	#
23)	Hexachlor...	3.277	3.507	18042997	13022134	107.953	116.903	
24)	Hexachlor...	5.862	6.252	15468320	9734596	90.567	93.722	
25)	Oxychlordane	7.339	7.695	14919486	9205763	101.960	102.075	
26)	2,4'-DDE	7.408	7.894	10526861	6700572	94.762	94.645	
27)	trans-Non...	7.592	7.971	17404562	10135704	104.547	100.599	
28)	2,4'-DDD	7.786	8.264	9558310	5928028	95.010	96.602	
29)	2,4'-DDT	7.965	8.484	9958384	5830666	99.877	98.775	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182144.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Jan 2021 0:49
Operator : MJB
Sample : 1A18049-CCVB
Misc : A21A188, 9-42 100 ppb
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:25:49 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

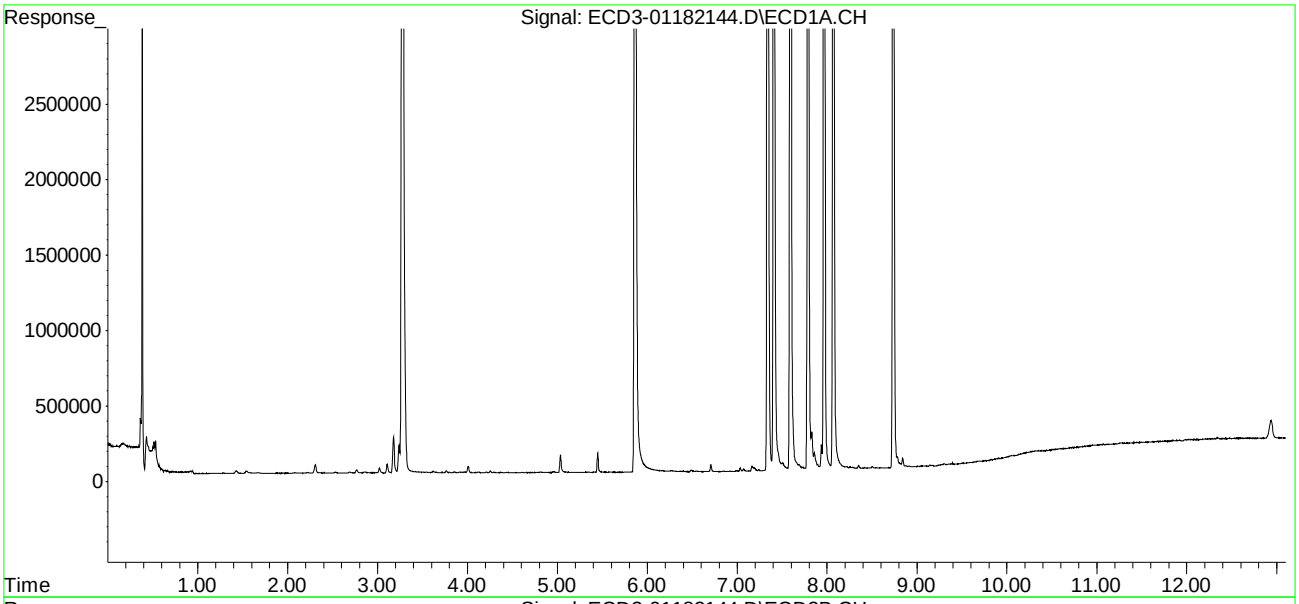
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.068	8.527	18419292	10517454	102.295	98.206	
31)	Mirex	8.734	9.427	11038755	6430073	104.438	103.459	
32)	Chlordane...	7.504f	7.971	49140	10135704	2.413	757.917	#
33)	Chlordane...	0.000	8.055	0	23984	N.D.	2.126	#
34)	Chlordane...	0.000	8.738f	0	3199	N.D.	0.897	#
35)	Chlordane...	3.765f	0.000	11472	0	NoCal	N.D.	
36)	Toxaphene...	7.592f	8.264f	17404562	5928028	21549.545	4793.929	#
37)	Toxaphene...	7.936f	0.000	158703	0	90.152	N.D.	#
38)	Toxaphene...	8.258f	0.000	7690	0	2.267	N.D.	#
39)	Toxaphene...	8.501f	8.738	11915	3199	3.385	0.961	#
40)	Toxaphene...	8.734f	0.000	11038755	0	4071.020	N.D.	#
41)	Toxaphene...	8.781	9.314f	72800	19533	23.086	9.619	#
42)	Toxaphene...	3.765f	0.000	11472	0	NoCal	N.D.	

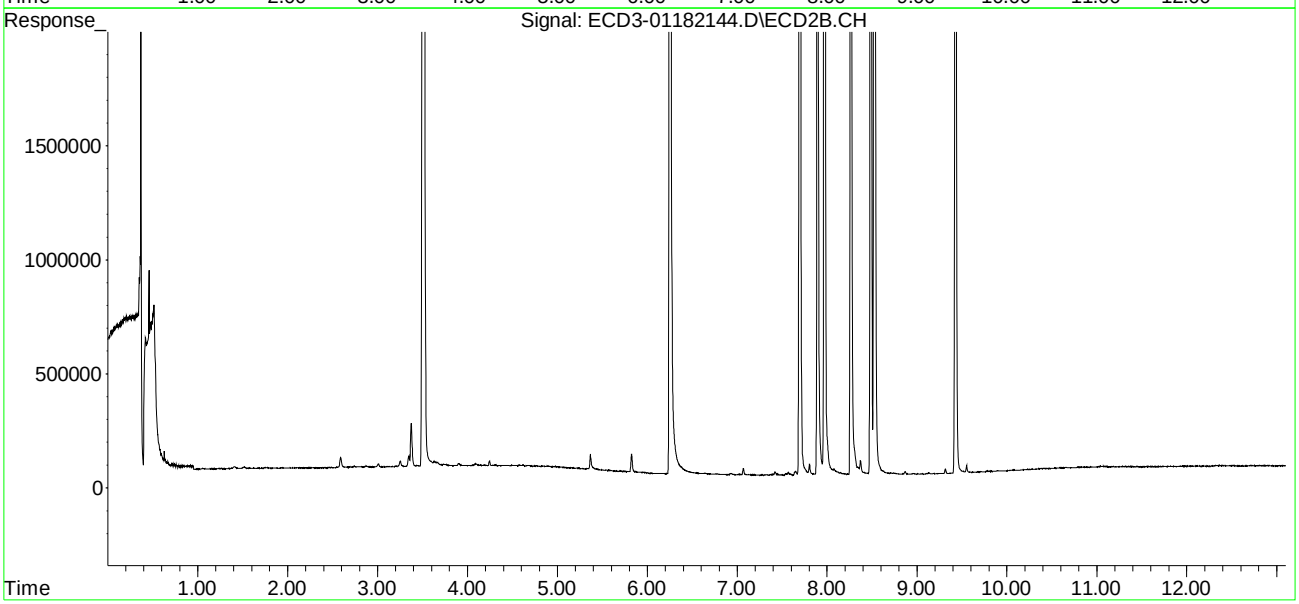
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182144.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Jan 2021 0:49
Operator : MJB
Sample : 1A18049-CCVB
Misc : A21A188, 9-42 100 ppb
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:25:49 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182145.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Jan 2021 1:06
Operator : MJB
Sample : 1A18049-CCB4 MJB 1/19/21
Misc : A20L446
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:39:26 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.476	5.788	13282109	7744981	71.647	72.374	
22) S	DCBP (S)	9.676	10.275	9958643	5181773	91.770	87.295	
	Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)	g-BHC	0.000	0.000	0	0	N.D.	N.D.	
4)	b-BHC	0.000	0.000	0	0	N.D.	N.D.	
5)	Heptachlor	0.000	0.000	0	0	N.D.	N.D.	
6)	d-BHC	0.000	0.000	0	0	N.D.	N.D.	
7)	Aldrin	0.000	7.369f	0	16230	N.D.	0.130	#
8)	Heptachlo...	0.000	0.000	0	0	N.D.	N.D.	
9)	trans-Chl...	7.496	0.000	23982	0	0.128	N.D.	#
10)	cis-Chlor...	0.000	0.000	0	0	N.D.	N.D.	
11)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
12)	4,4'-DDE	0.000	0.000	0	0	N.D.	N.D.	
13)	Dieldrin	0.000	0.000	0	0	N.D.	N.D.	
14)	Endrin	0.000	0.000	0	0	N.D.	N.D.	
15)	4,4'-DDD	0.000	0.000	0	0	N.D.	N.D.	
16)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
17)	4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	
18)	Endrin Al...	0.000	0.000	0	0	N.D.	N.D.	
19)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
20)	Methoxychlor	0.000	0.000	0	0	N.D.	N.D.	
21)	Endrin Ke...	0.000	9.436	0	1631	N.D.	0.020	#
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)	Hexachlor...	5.862	0.000	21243	0	BelowCal	N.D.	
25)	Oxychlordane	0.000	0.000	0	0	N.D.	N.D.	
26)	2,4'-DDE	0.000	0.000	0	0	N.D.	N.D.	
27)	trans-Non...	0.000	0.000	0	0	N.D.	N.D.	
28)	2,4'-DDD	0.000	0.000	0	0	N.D.	N.D.	
29)	2,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182145.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Jan 2021 1:06
Operator : MJB
Sample : 1A18049-CCB4
Misc : A20L446
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:39:26 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

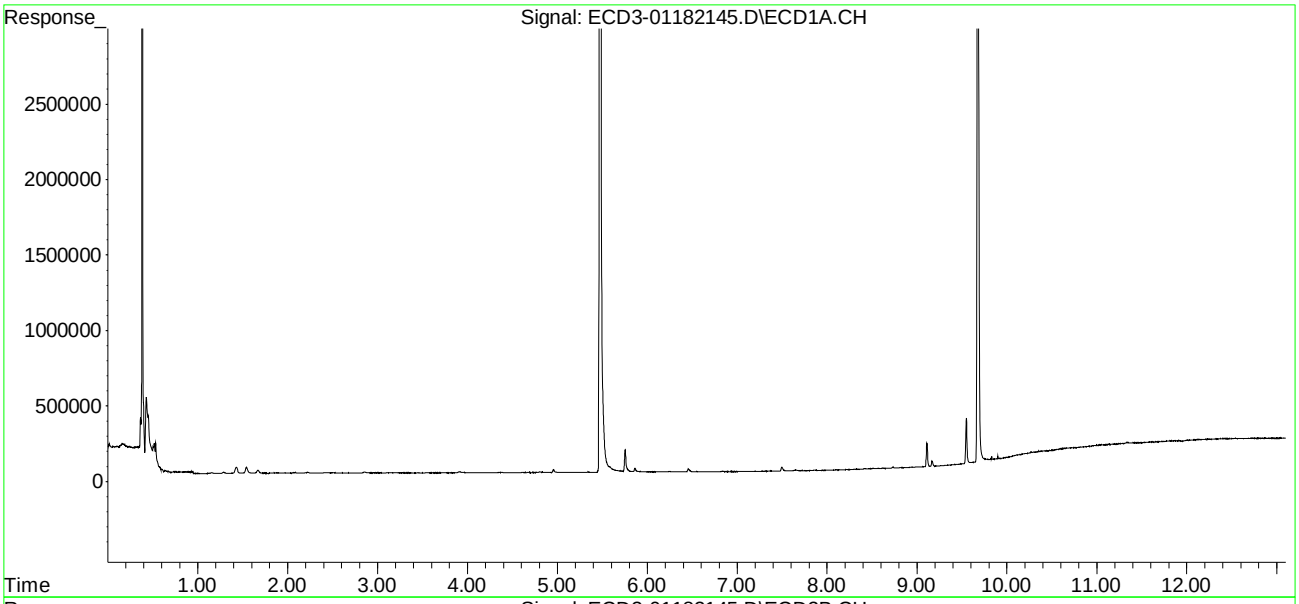
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	0.000	0.000	0	0	N.D.	N.D.	
31)	Mirex	8.730	9.436	6908	1631	BelowCal	14372.060	
32)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
33)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
34)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
35)	Chlordane...	0.000	3.737f	0	1276	N.D.	NoCal	
36)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
37)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
39)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
40)	Toxaphene...	8.730f	0.000	6908	0	2.548	N.D.	#
41)	Toxaphene...	0.000	9.302	0	3419	N.D.	1.684	#
42)	Toxaphene...	0.000	3.737f	0	1276	N.D.	NoCal	

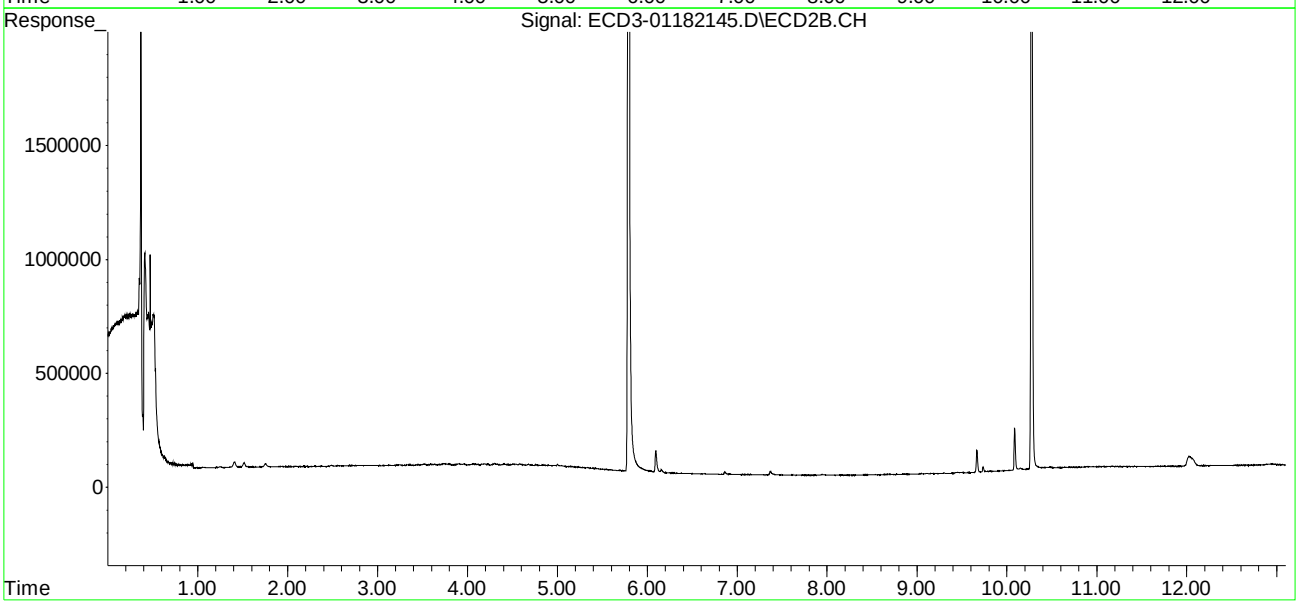
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182145.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Jan 2021 1:06
Operator : MJB
Sample : 1A18049-CCB4
Misc : A20L446
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:39:26 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

CLEAN

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182146.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Jan 2021 1:23
Operator : MJB
Sample : 1A18049-IBL2 MJB 1/19/21
Misc : GPC Blank
ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:40:23 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.475	0.000	4089	0	0.022	N.D.	#
22) S	DCBP (S)	0.000	10.274	0	2900	N.D.	2751.258	#
	Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)	g-BHC	0.000	0.000	0	0	N.D.	N.D.	
4)	b-BHC	6.377	0.000	5204	0	9545.034	N.D.	#
5)	Heptachlor	6.706	0.000	12799	0	0.065	N.D.	#
6)	d-BHC	6.559	6.989f	5870	11894	0.030	0.101	#
7)	Aldrin	6.910f	0.000	4849	0	0.024	N.D.	#
8)	Heptachlo...	0.000	0.000	0	0	N.D.	N.D.	
9)	trans-Chl...	0.000	7.915	0	2913	N.D.	6778.230	#
10)	cis-Chlor...	7.589	8.035f	5060	4505	BelowCal	4425.605	
11)	Endosulfa...	0.000	8.035f	0	4505	N.D.	0.044	#
12)	4,4'-DDE	7.650	0.000	13493	0	0.073	N.D.	#
13)	Dieldrin	0.000	0.000	0	0	N.D.	N.D.	
14)	Endrin	0.000	0.000	0	0	N.D.	N.D.	
15)	4,4'-DDD	0.000	0.000	0	0	N.D.	N.D.	
16)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
17)	4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	
18)	Endrin Al...	0.000	0.000	0	0	N.D.	N.D.	
19)	Endosulfa...	8.808	0.000	3009	0	0.023	N.D.	#
20)	Methoxychlor	0.000	0.000	0	0	N.D.	N.D.	
21)	Endrin Ke...	0.000	0.000	0	0	N.D.	N.D.	
23)	Hexachlor...	3.275	0.000	13412	0	2844.105	N.D.	#
24)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
25)	Oxychlordane	0.000	0.000	0	0	N.D.	N.D.	
26)	2,4'-DDE	0.000	7.915f	0	2913	N.D.	11271.866	#
27)	trans-Non...	7.589	0.000	5060	0	34192.586	N.D.	#
28)	2,4'-DDD	0.000	0.000	0	0	N.D.	N.D.	
29)	2,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182146.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Jan 2021 1:23
Operator : MJB
Sample : 1A18049-IBL2
Misc : GPC Blank
ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:40:23 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

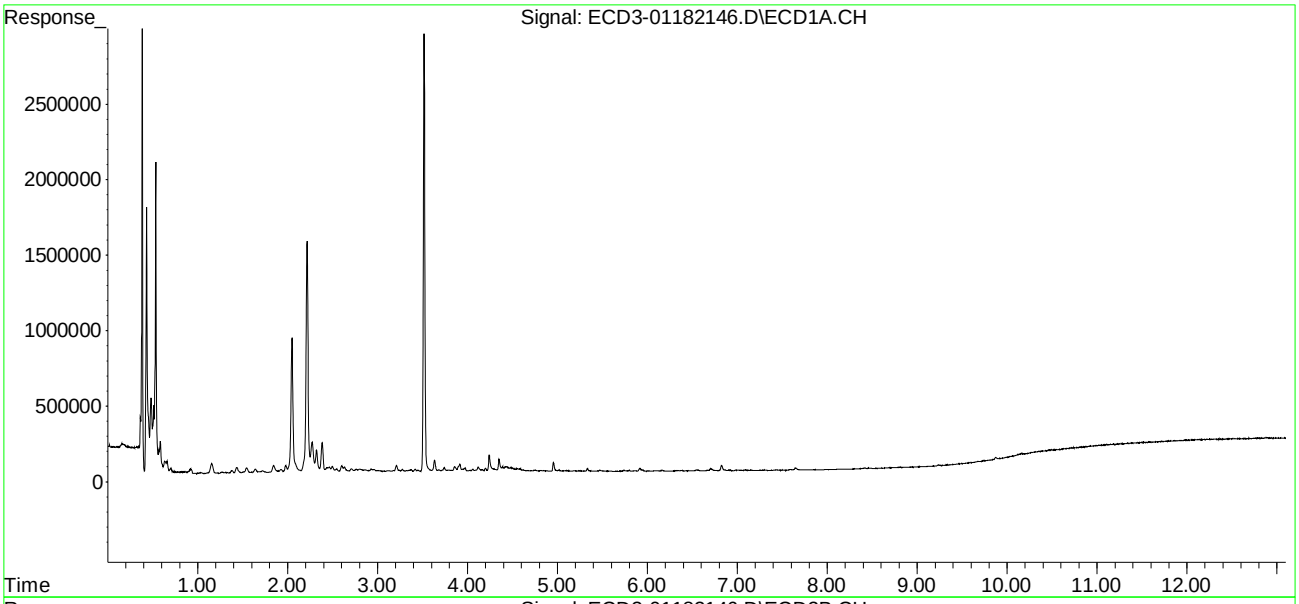
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	0.000	0.000	0	0	N.D.	N.D.	
31)	Mirex	0.000	0.000	0	0	N.D.	N.D.	
32)	Chlordane...	0.000	7.932f	0	4016	N.D.	0.300	#
33)	Chlordane...	7.650	8.035f	13493	4505	0.696	0.399	#
34)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
35)	Chlordane...	3.784	3.762	2654	29560	NoCal	NoCal	
36)	Toxaphene...	7.650f	0.000	13493	0	16.706	N.D.	#
37)	Toxaphene...	0.000	8.673f	0	3287	N.D.	2.341	#
38)	Toxaphene...	0.000	8.673	0	3287	N.D.	1.638	#
39)	Toxaphene...	8.456	0.000	2208	0	0.627	N.D.	#
40)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
41)	Toxaphene...	8.808f	0.000	3009	0	0.954	N.D.	#
42)	Toxaphene...	3.784	3.762	2654	29560	NoCal	NoCal	

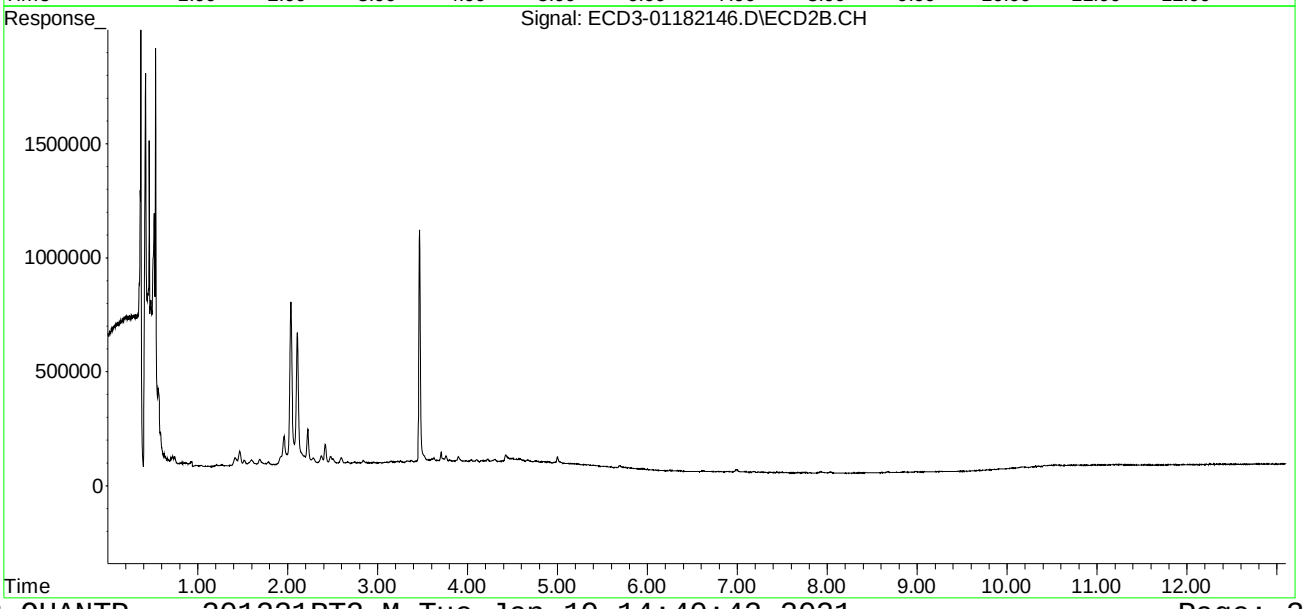
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A18049\
Data File : ECD3-01182146.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Jan 2021 1:23
Operator : MJB
Sample : 1A18049-IBL2
Misc : GPC Blank
ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 19 14:40:23 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Organochloride Pesticides by EPA 8081B
Benchsheet & Analysis Sequence Data

Sequence 1A21053 (A0K0482-04RE2,05RE2,10RE2,11RE2,12RE2,13RE2, 14RE2,18RE2,19RE2,20RE2,21RE2,22RE2)

ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence:	**1A21053**	Instrument:	**DUALECD3**
Date:	**01/21/21 11:40**	Calibration:	**A0L2210**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	1A21053-BKD1	Sediment	QC	QC				A20K279
2	1A21053-CCV1	Sediment	QC	QC				A20L216
3	1A21053-CCV2	Sediment	QC	QC				A21A187
4	1A21053-CCB1	Sediment	QC	QC				A20L446
5	A0K0482-04RE2	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	01/14/21	1012907		
6	A0K0482-05RE2	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	01/14/21	1012907		
7	A0K0482-10RE2	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	01/14/21	1012907		
8	A0K0482-11RE2	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	01/14/21	1012907		
9	1A21053-IBL1	Sediment	QC	QC				
10	A0K0482-12RE2	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	01/14/21	1012907		
11	A0K0482-13RE2	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	01/14/21	1012907		
12	A0K0482-14RE2	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	01/14/21	1012907		
13	A0K0482-18RE2	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	01/14/21	1012907		
14	A0K0482-19RE2	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	01/14/21	1012907		
15	A0K0482-20RE2	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	01/14/21	1012907		
16	1A21053-CCV3	Sediment	QC	QC				A20L217
17	1A21053-CCV4	Sediment	QC	QC				A21A188
18	1A21053-CCB2	Sediment	QC	QC				A20L446
19	A0K0482-21RE2	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	01/14/21	1012907		
20	1012907-MS3	Sediment	QC	QC		1012907		
21	1012907-MSD3	Sediment	QC	QC		1012907		
22	A0K0482-22RE2	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	01/14/21	1012907		
23	1012908-BLK1	Sediment	QC	QC		1012908		
24	1012908-BS1	Sediment	QC	QC		1012908		
25	A0K0578-26RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	01/18/21	1012908		
26	A0K0578-27RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	01/18/21	1012908		
27	A0K0578-30RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	01/18/21	1012908		
28	A0K0578-31RE1	Sediment	8081B 2,4+4,4-DDx Only (+Add)	Anchor QEA, LLC	01/18/21	1012908		
29	1A21053-CCV5	Sediment	QC	QC				A20L216
30	1A21053-CCV6	Sediment	QC	QC				A21A187
31	1A21053-CCB3	Sediment	QC	QC				A20L446
32	1A21053-IBL2	Sediment	QC	QC				
33	1A21053-IBL3	Sediment	QC	QC				

Comments:

Data Entered By/Date: MJB 1/22/21

Data Reviewed By/Date: dgj 1/22/21

Pesticide Breakdown Check (Validated 8/8/2013)

Sequence: 1A21053 BKD1
Data File: ECD3-01212103.D

MJB 1/21/21

First Column Area Counts		Percent Breakdown	
DDE	1196501		
DDD	11129011		
DDT	93825726	**11.61**	**PASS**
Endrin	65732535	**11.70**	**PASS**
Endrin Aldehyde	2379059		
Endrin Ketone	6334398		

Second Column Area Counts		Percent Breakdown	
DDE	813498		
DDD	6451421		
DDT	55468546	**11.58**	**PASS**
Endrin	38055257	**13.37**	**PASS**
Endrin Aldehyde	1781510		
Endrin Ketone	4093883		

Breakdown must be less than 20% for Method 608. For method 8081 it must be less than 15% or within 7.5% of the breakdown prior to the most recent calibration.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212103.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 12:44
Operator : MJB
Sample : 1A21053-BKD1 MJB 1/21/21
Misc : A20K279
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 13:09:26 2021
Quant Method : C:\msdchem\3\METHODS\PestBreakdownCHK_201221RT2.M
Quant Title : Pesticides
QLast Update : Fri Nov 09 13:28:51 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

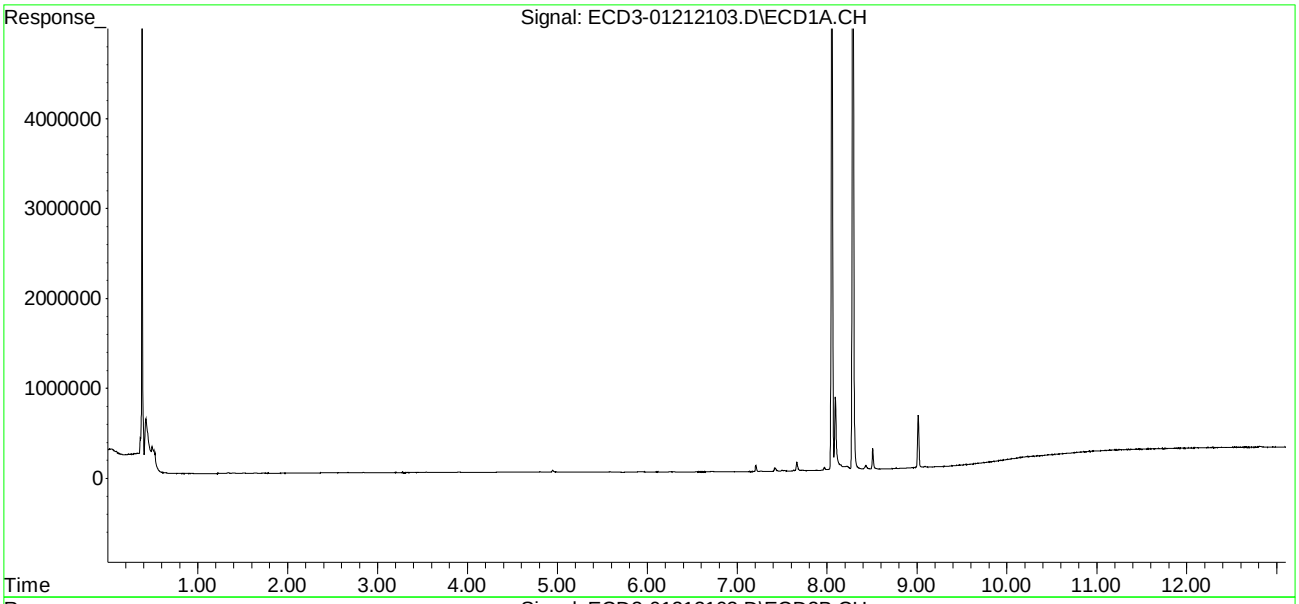
	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	4,4'-DDE	7.663	1196501	NoCal	ng/mL
2)	Endrin	8.051	65732535	NoCal	ng/mL
3)	4,4'-DDD	8.091	11129011	NoCal	ng/mL
4)	4,4'-DDT	8.286	93825726	NoCal	ng/mL
5)	Endrin Aldehyde	8.506	2379059	NoCal	ng/mL
6)	Endrin Ketone	9.011	6334398	NoCal	ng/mL
8)	4,4'-DDE [2C]	8.114	813498	NoCal	ng/mL
9)	Endrin [2C]	8.471	38055257	NoCal	ng/mL
10)	4,4'-DDD [2C]	8.525	6451421	NoCal	ng/mL
11)	Endrin Aldehyde [2C]	8.852	1781510	NoCal	ng/mL
12)	4,4'-DDT [2C]	8.748	55468546	NoCal	ng/mL
13)	Endrin Ketone [2C]	9.432	4093883	NoCal	ng/mL

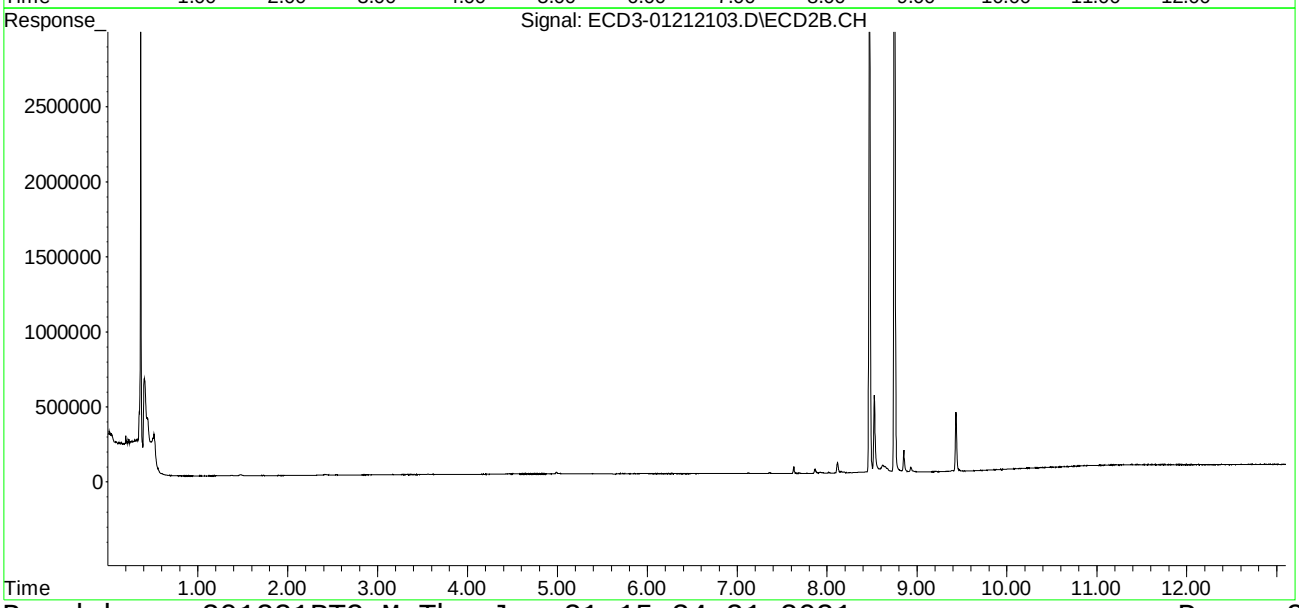
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212103.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 12:44
Operator : MJB
Sample : 1A21053-BKD1
Misc : A20K279
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 13:09:26 2021
Quant Method : C:\msdchem\3\METHODS\PestBreakdownCHK_201221RT2.M
Quant Title : Pesticides
QLast Update : Fri Nov 09 13:28:51 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212104.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 13:01
Operator : MJB
Sample : 1A21053-CCV1 MJB 1/21/21
Misc : A20L216, AB 50 ppb
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 15:38:12 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.471	5.779	8198692	4867515	44.226	45.064	
22) S	DCBP (S)	9.681	10.268	5591442	3215562	50.932	53.411	
	Target Compounds							
2)	a-BHC	6.021	6.372	11564521	7035839	48.600	47.540	
3)	g-BHC	6.306	6.686	9886601	6018681	47.308	46.283	
4)	b-BHC	6.385	6.754	3760768	2422152	42.171	43.028	
5)	Heptachlor	6.704	7.058	9525976	5914600	48.706	48.614	
6)	d-BHC	6.536	7.001	8247972	5445767	42.229	46.117	
7)	Aldrin	6.945	7.320	9457475	5890178	46.665	47.134	
8)	Heptachlo...	7.414	7.755	8427010	5276674	49.286	49.227	
9)	trans-Chl...	7.506	7.895	8554465	5362786	45.835	49.160	
10)	cis-Chlor...	7.605	8.002	8076206	5092609	47.321	49.256	
11)	Endosulfa...	7.707	8.049	7873814	4809774	47.752	47.278	
12)	4,4'-DDE	7.659	8.110	8429694	5102204	45.726	45.294	
13)	Dieldrin	7.880	8.248	8939236	5500363	48.586	49.095	
14)	Endrin	8.049	8.469	7504838	4474578	54.646	54.943	
15)	4,4'-DDD	8.089	8.522	6861715	4207010	47.841	47.893	
16)	Endosulfa...	8.210	8.616	6734904	4189288	47.695	48.127	
17)	4,4'-DDT	8.284	8.746	5024764	3234054	39.618	Q-3144.710	
18)	Endrin Al...	8.506	8.851	5614665	3450086	47.842	49.711	
19)	Endosulfa...	8.810	9.045	6502267	3926047	49.876	52.922	
20)	Methoxychlor	8.616	9.212	2144336	1483905	36.282	42.499	
21)	Endrin Ke...	9.009	9.430	6976344	4314502	49.811	52.589	
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)	Hexachlor...	5.858	0.000	18722	0	BelowCal	N.D.	
25)	Oxychlordane	7.347	7.669f	42245	5446	0.063	24475.456 #	
26)	2,4'-DDE	7.414	7.895	8427010	5362786	75.562	75.574	
27)	trans-Non...	7.605	7.961	8076206	22573	48.317	74602.089 #	
28)	2,4'-DDD	0.000	8.248	0	5500363	N.D.	89.622 #	
29)	2,4'-DDT	7.965	8.469	24548	4474578	0.073	77.202 #	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212104.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 13:01
Operator : MJB
Sample : 1A21053-CCV1
Misc : A20L216, AB 50 ppb
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 15:38:12 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

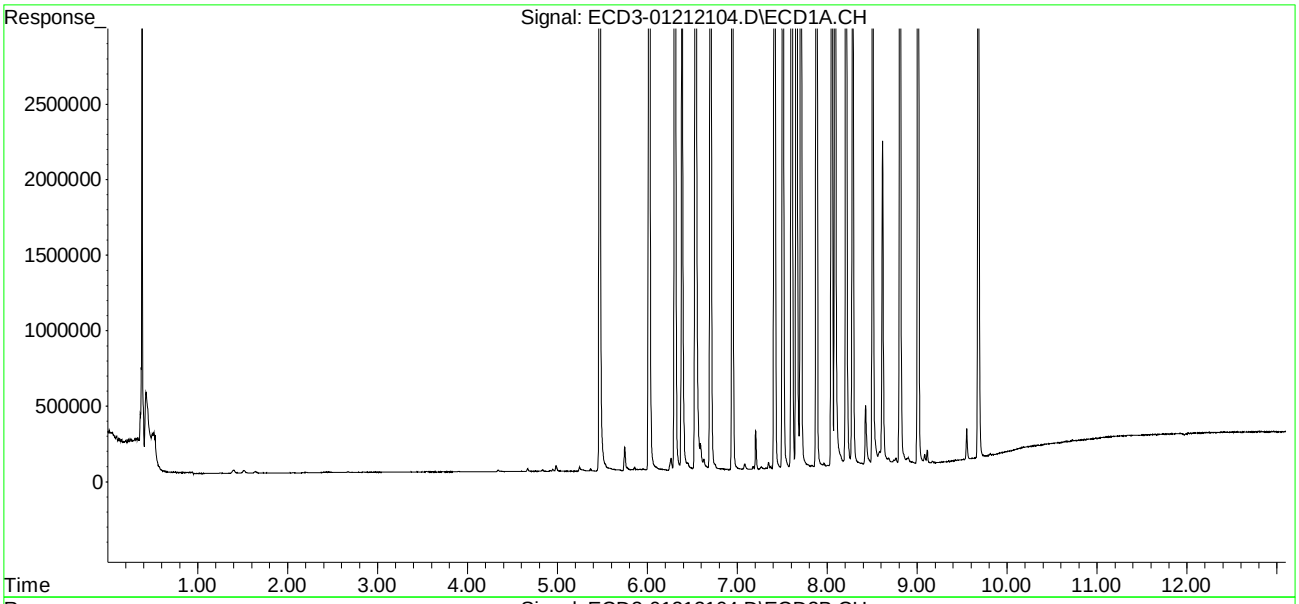
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.089	8.522	6861715	4207010	38.611	39.416	
31)	Mirex	8.740	9.430	27987	4314502	BelowCal	69.132	
32)	Chlordane...	7.506f	7.961	8554465	22573	420.094	1.688	#
33)	Chlordane...	7.659f	8.049	8429694	4809774	434.551	426.394	
34)	Chlordane...	8.210	8.700	6734904	25470	1119.010	7.138	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.605	0.000	8076206	0	9999.594	N.D.	#
37)	Toxaphene...	7.880f	8.616f	8939236	4189288	7292.460	2983.443	#
38)	Toxaphene...	8.210f	8.700f	6734904	25470	1985.637	12.694	#
39)	Toxaphene...	8.506f	8.746	5614665	3234054	1595.001	971.590	
40)	Toxaphene...	8.684f	8.928	43314	294097	15.974	149.504	#
41)	Toxaphene...	8.763	9.298	41966	16267	13.308	8.011	
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

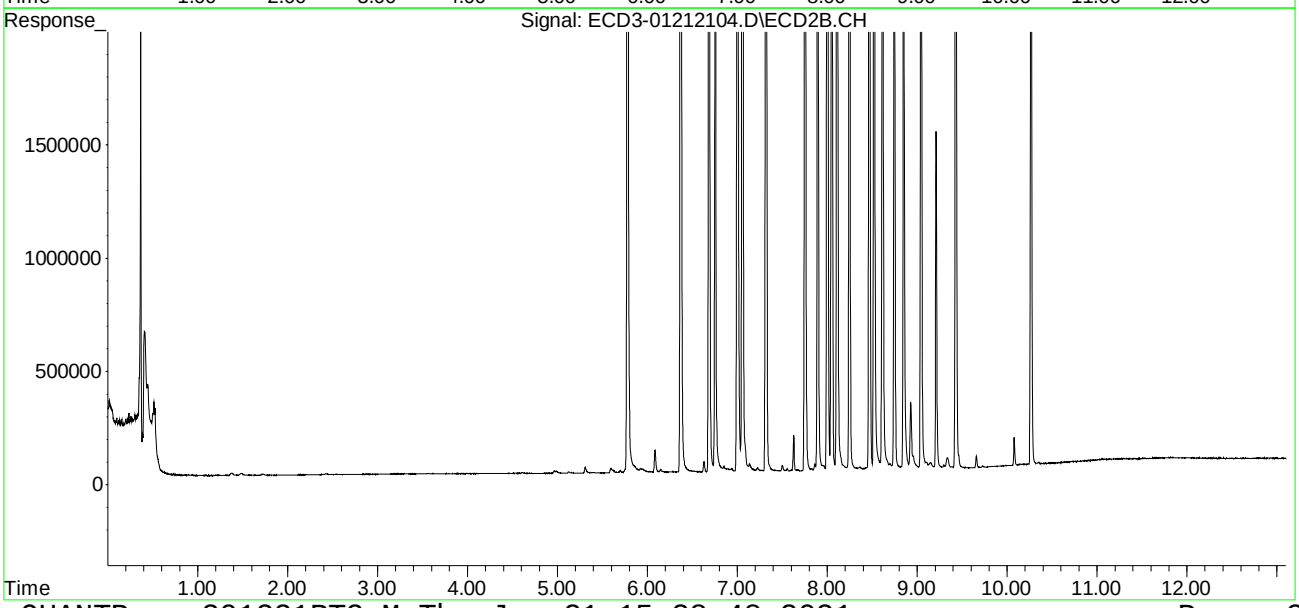
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212104.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 13:01
Operator : MJB
Sample : 1A21053-CCV1
Misc : A20L216, AB 50 ppb
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 15:38:12 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212105.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 13:18
Operator : MJB
Sample : 1A21053-CCV2 MJB 1/21/21
Misc : A21A187, 9-42 50 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 15:39:47 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.441f	5.815f	66419	41780	0.358	0.220	
22) S	DCBP (S)	9.679	0.000	2211	0	4158.046	N.D.	#
	Target Compounds							
2)	a-BHC	0.000	6.373	0	5745	N.D.	0.039	#
3)	g-BHC	0.000	0.000	0	0	N.D.	N.D.	
4)	b-BHC	0.000	0.000	0	0	N.D.	N.D.	
5)	Heptachlor	6.703	7.058	23092	15634	0.118	0.128	
6)	d-BHC	0.000	0.000	0	0	N.D.	N.D.	
7)	Aldrin	0.000	7.356f	0	17277	N.D.	0.138	#
8)	Heptachlo...	7.406	7.793f	5026177	25603	29.322	0.105	#
9)	trans-Chl...	7.495	7.885	38640	3247908	0.207	29.624	#
10)	cis-Chlor...	7.590	0.000	8051289	0	47.175	N.D.	#
11)	Endosulfa...	7.687f	8.052	28634	5293	0.174	0.052	#
12)	4,4'-DDE	7.687f	0.000	28634	0	0.155	N.D.	#
13)	Dieldrin	7.856f	8.256	69424	2827114	0.377	25.234	#
14)	Endrin	8.067	8.476	8425097	2500376	61.347	30.702	#
15)	4,4'-DDD	8.067f	8.519	8425097	5257939	58.742	59.856	
16)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
17)	4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	
18)	Endrin Al...	8.501	8.862	12052	5723	BelowCal	BelowCal	
19)	Endosulfa...	8.781f	0.000	31469	0	0.241	N.D.	#
20)	Methoxychlor	0.000	0.000	0	0	N.D.	N.D.	
21)	Endrin Ke...	0.000	9.419	0	3061525	N.D.	37.316	#
23)	Hexachlor...	3.263	3.491	8583369	6034377	50.185	51.174	
24)	Hexachlor...	5.856	6.240	7608473	4674776	44.588	44.127	
25)	Oxychlordane	7.336	7.686	7145228	4587879	48.987	50.630	
26)	2,4'-DDE	7.406	7.885	5026177	3247908	44.740	45.558	
27)	trans-Non...	7.590	7.962	8051289	4944774	48.167	48.914	
28)	2,4'-DDD	7.786	8.256	4471231	2827114	44.605	45.965	
29)	2,4'-DDT	7.965	8.476	3877063	2500376	40.477	44.333	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212105.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 13:18
Operator : MJB
Sample : 1A21053-CCV2
Misc : A21A187, 9-42 50 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 15:39:47 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

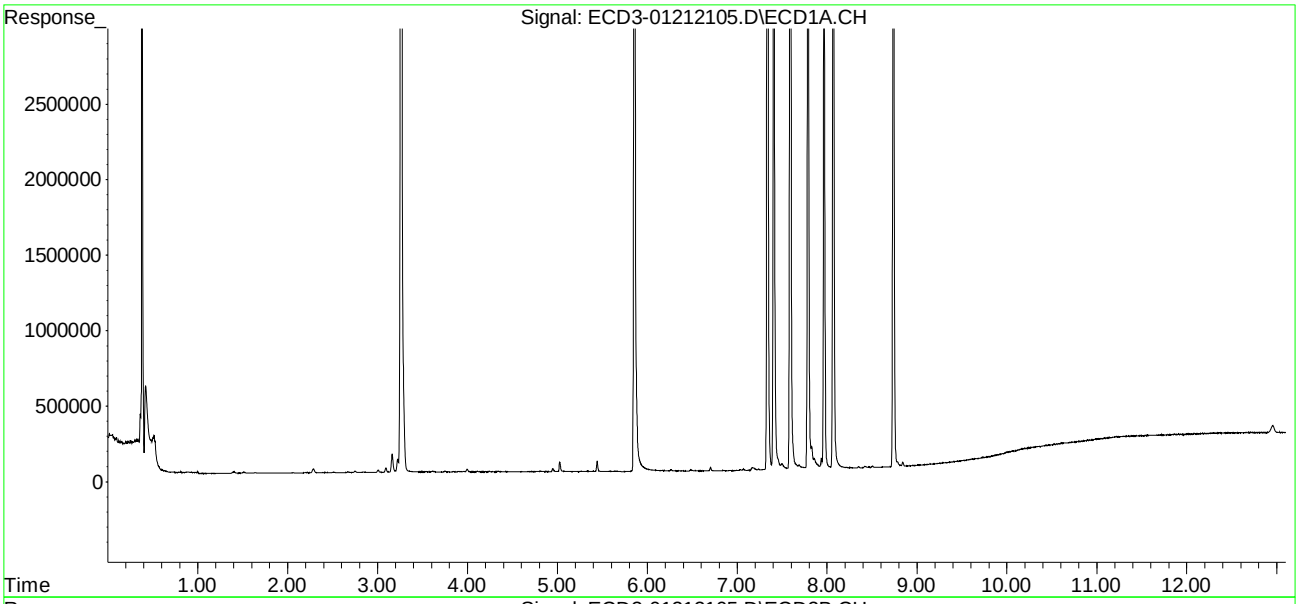
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.067	8.519	8425097	5257939	47.347	49.266	
31)	Mirex	8.736	9.419	5239303	3061525	49.519	48.880	
32)	Chlordane...	0.000	7.962	0	4944774	N.D.	369.755	#
33)	Chlordane...	0.000	8.068	0	10102	N.D.	0.896	#
34)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.590f	8.256f	8051289	2827114	9968.743	2286.255	#
37)	Toxaphene...	7.936	8.669f	67804	6016	37.054	4.284	#
38)	Toxaphene...	0.000	8.669	0	6016	N.D.	2.998	#
39)	Toxaphene...	8.466	0.000	3798	0	1.079	N.D.	#
40)	Toxaphene...	8.736f	0.000	5239303	0	1932.220	N.D.	#
41)	Toxaphene...	8.781	9.308f	31469	8019	9.979	3.949	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

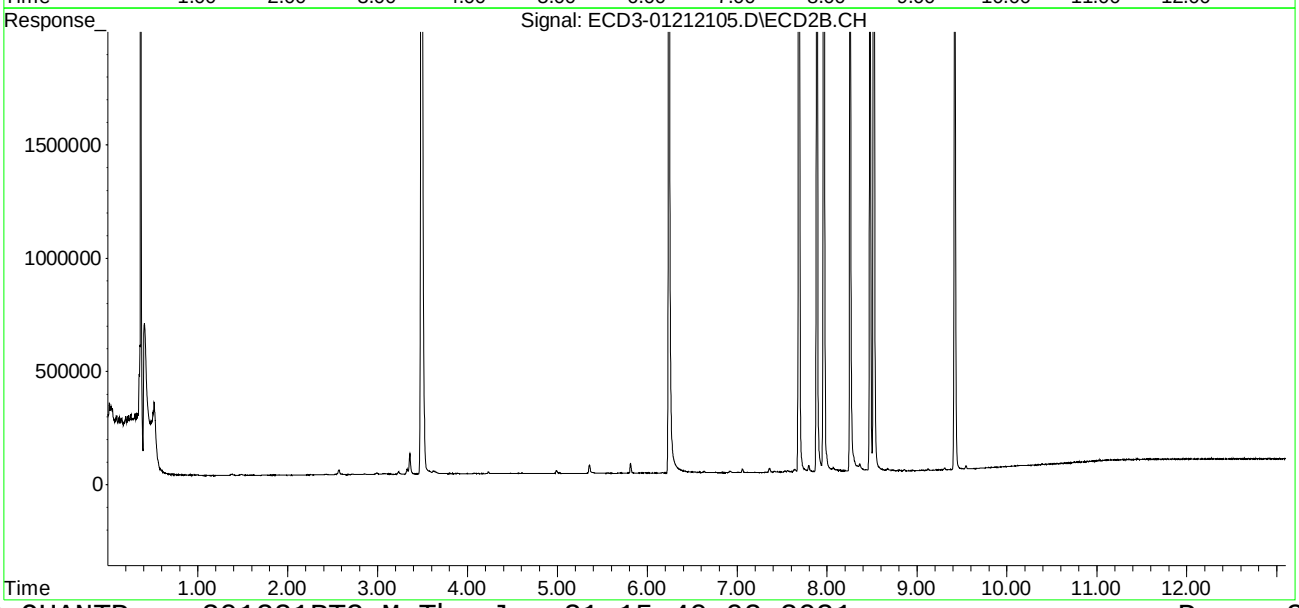
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212105.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 13:18
Operator : MJB
Sample : 1A21053-CCV2
Misc : A21A187, 9-42 50 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 15:39:47 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212106.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 13:35
Operator : MJB
Sample : 1A21053-CCB1
Misc : A20L446
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 15:41:46 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.471	5.779	14708938	8684648	79.343	81.389	
22) S	DCBP (S)	9.681	10.268	10293420	5889308	94.935	99.708	
	Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)	g-BHC	0.000	0.000	0	0	N.D.	N.D.	
4)	b-BHC	0.000	0.000	0	0	N.D.	N.D.	
5)	Heptachlor	0.000	0.000	0	0	N.D.	N.D.	
6)	d-BHC	0.000	0.000	0	0	N.D.	N.D.	
7)	Aldrin	0.000	7.357f	0	8673	N.D.	0.069	#
8)	Heptachlo...	0.000	0.000	0	0	N.D.	N.D.	
9)	trans-Chl...	7.496	7.921	9467	3703	0.051	6778.223	#
10)	cis-Chlor...	7.632f	0.000	3271	0	BelowCal	N.D.	
11)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
12)	4,4'-DDE	7.632f	0.000	3271	0	0.018	N.D.	#
13)	Dieldrin	0.000	0.000	0	0	N.D.	N.D.	
14)	Endrin	0.000	0.000	0	0	N.D.	N.D.	
15)	4,4'-DDD	0.000	0.000	0	0	N.D.	N.D.	
16)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
17)	4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	
18)	Endrin Al...	8.514	0.000	4469	0	BelowCal	N.D.	
19)	Endosulfa...	0.000	9.029f	0	3165	N.D.	0.043	#
20)	Methoxychlor	8.627	0.000	1734	0	BelowCal	N.D.	
21)	Endrin Ke...	0.000	0.000	0	0	N.D.	N.D.	
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)	Hexachlor...	5.857	0.000	23829	0	BelowCal	N.D.	
25)	Oxychlordane	0.000	0.000	0	0	N.D.	N.D.	
26)	2,4'-DDE	0.000	7.921f	0	3703	N.D.	11271.855	#
27)	trans-Non...	7.632f	0.000	3271	0	34192.597	N.D.	#
28)	2,4'-DDD	0.000	0.000	0	0	N.D.	N.D.	
29)	2,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212106.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 13:35
Operator : MJB
Sample : 1A21053-CCB1
Misc : A20L446
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 15:41:46 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

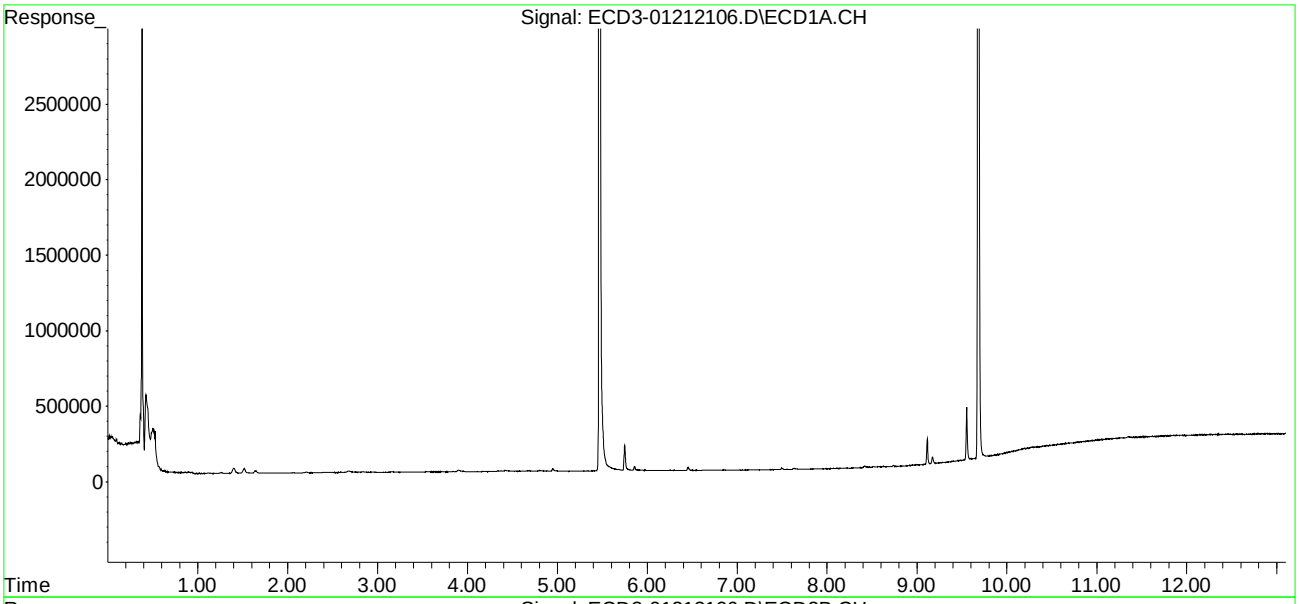
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	0.000	0.000	0	0	N.D.	N.D.	
31)	Mirex	8.734	0.000	9451	0	BelowCal	N.D.	
32)	Chlordane...	0.000	7.925f	0	3778	N.D.	0.283	#
33)	Chlordane...	7.632	0.000	3271	0	0.169	N.D.	#
34)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.632	0.000	3271	0	4.050	N.D.	#
37)	Toxaphene...	0.000	8.665f	0	6929	N.D.	4.935	#
38)	Toxaphene...	0.000	8.665	0	6929	N.D.	3.453	#
39)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
40)	Toxaphene...	8.734f	0.000	9451	0	3.485	N.D.	#
41)	Toxaphene...	0.000	9.294	0	4115	N.D.	2.026	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

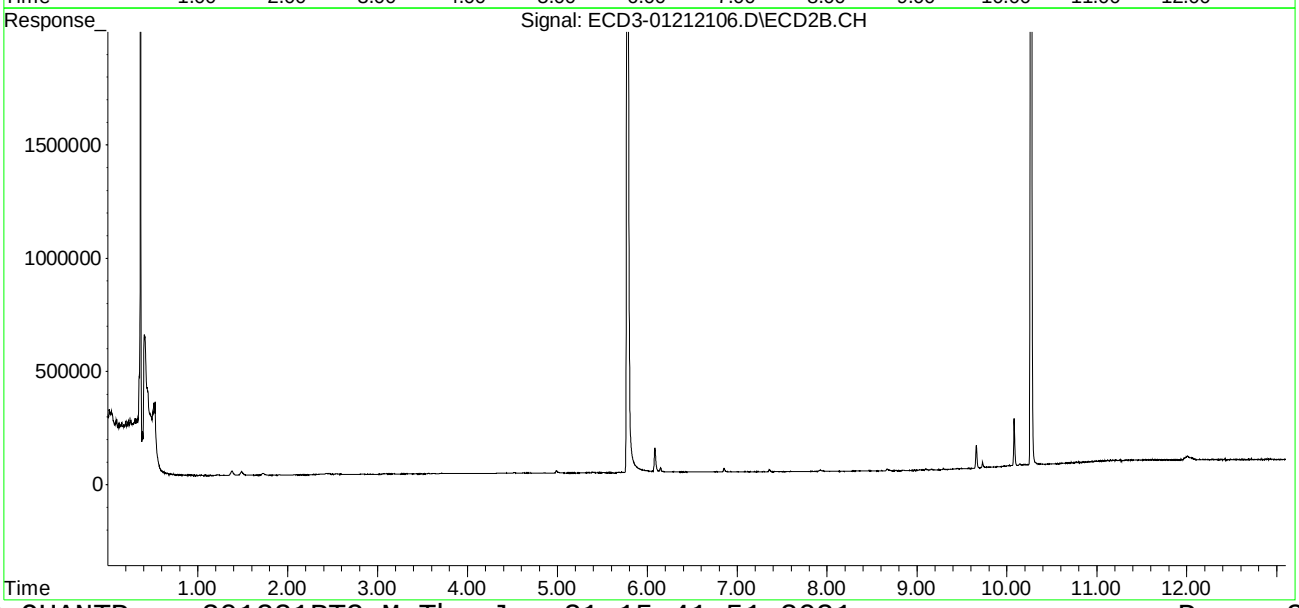
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212106.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 13:35
Operator : MJB
Sample : 1A21053-CCB1
Misc : A20L446
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 15:41:46 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

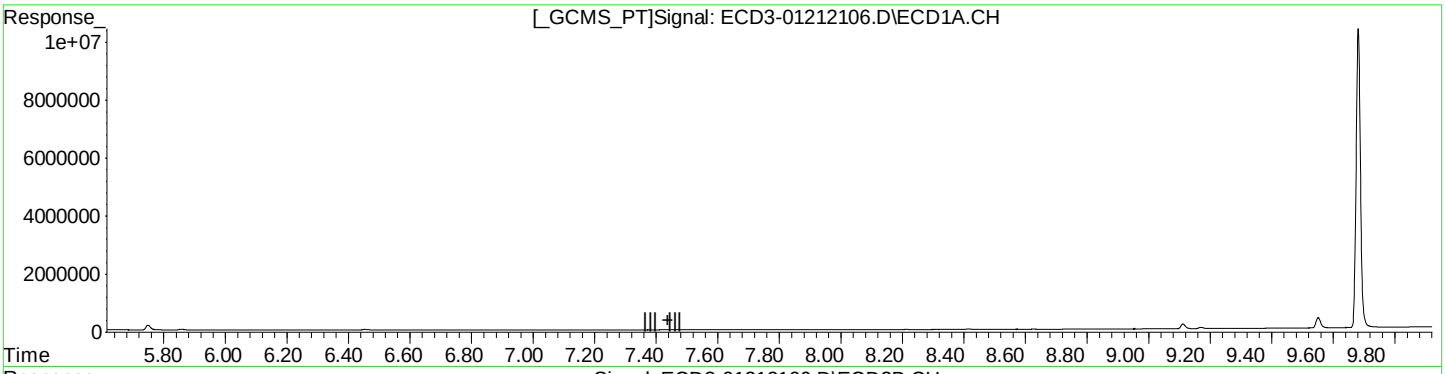


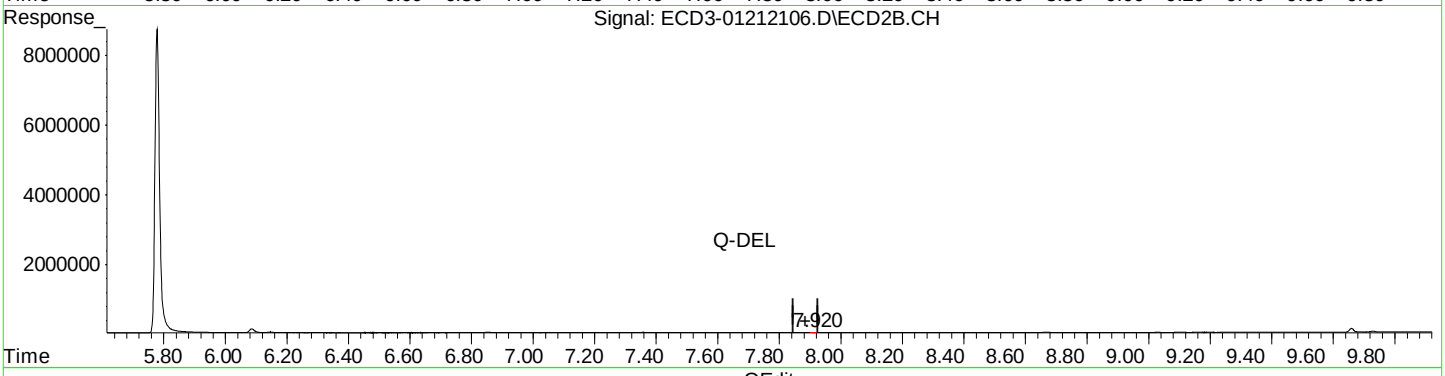


Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212106.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 13:35
Operator : MJB
Sample : 1A21053-CCB1
Misc : A20L446
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 15:41:46 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





QEdit

(26) 2,4'-DDE
0.000min 0.000 ng/mL
response 0

(26) 2,4'-DDE #2
~~7.921min~~ ~~11271.855 ng/mL~~
response ~~3703~~

(+) = Expected Retention Time

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212106.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 13:35
Operator : MJB
Sample : 1A21053-CCB1 MJB 1/21/21
Misc : A20L446
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 15:42:17 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.471	5.779	14708938	8684648	79.343	81.389	
22) S	DCBP (S)	9.681	10.268	10293420	5889308	94.935	99.708	
	Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)	g-BHC	0.000	0.000	0	0	N.D.	N.D.	
4)	b-BHC	0.000	0.000	0	0	N.D.	N.D.	
5)	Heptachlor	0.000	0.000	0	0	N.D.	N.D.	
6)	d-BHC	0.000	0.000	0	0	N.D.	N.D.	
7)	Aldrin	0.000	7.357f	0	8673	N.D.	0.069	#
8)	Heptachlo...	0.000	0.000	0	0	N.D.	N.D.	
9)	trans-Chl...	7.496	7.921	9467	3703	0.051	6778.223	#
10)	cis-Chlor...	7.632f	0.000	3271	0	BelowCal	N.D.	
11)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
12)	4,4'-DDE	7.632f	0.000	3271	0	0.018	N.D.	#
13)	Dieldrin	0.000	0.000	0	0	N.D.	N.D.	
14)	Endrin	0.000	0.000	0	0	N.D.	N.D.	
15)	4,4'-DDD	0.000	0.000	0	0	N.D.	N.D.	
16)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
17)	4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	
18)	Endrin Al...	8.514	0.000	4469	0	BelowCal	N.D.	
19)	Endosulfa...	0.000	9.029f	0	3165	N.D.	0.043	#
20)	Methoxychlor	8.627	0.000	1734	0	BelowCal	N.D.	
21)	Endrin Ke...	0.000	0.000	0	0	N.D.	N.D.	
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)	Hexachlor...	5.857	0.000	23829	0	BelowCal	N.D.	
25)	Oxychlordane	0.000	0.000	0	0	N.D.	N.D.	
26)	2,4'-DDE	0.000	0.000	0	0	N.D.	N.D.	d
27)	trans-Non...	7.632f	0.000	3271	0	34192.597	N.D.	#
28)	2,4'-DDD	0.000	0.000	0	0	N.D.	N.D.	
29)	2,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212106.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 13:35
Operator : MJB
Sample : 1A21053-CCB1
Misc : A20L446
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 15:42:17 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

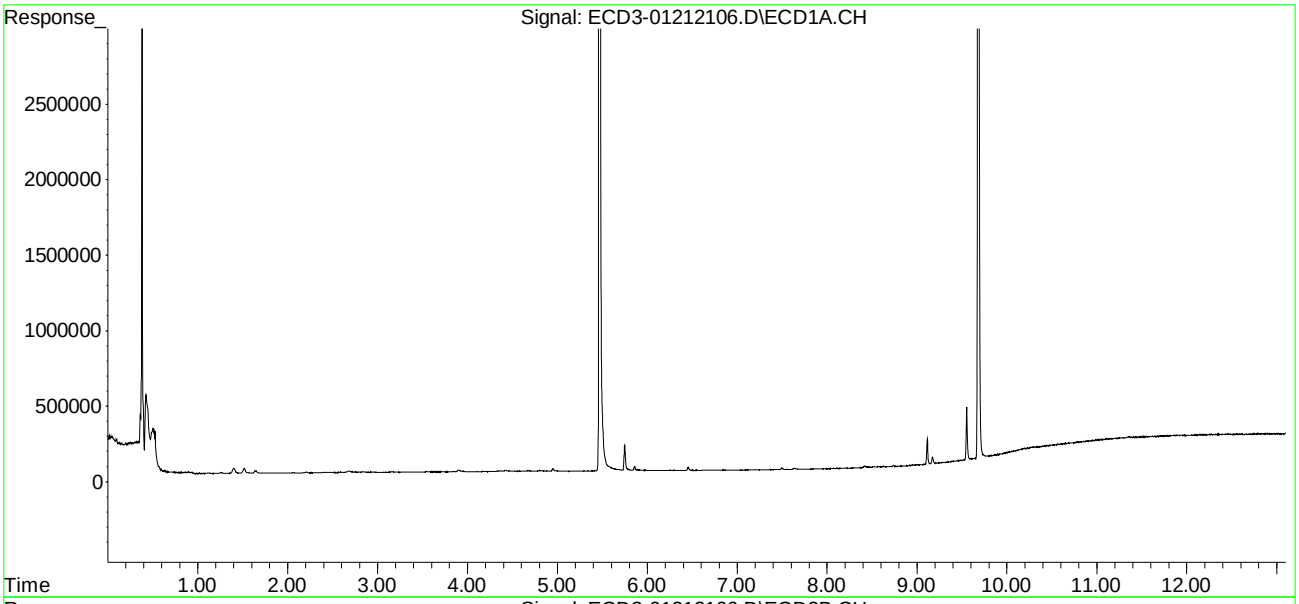
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	0.000	0.000	0	0	N.D.	N.D.	
31)	Mirex	8.734	0.000	9451	0	BelowCal	N.D.	
32)	Chlordane...	0.000	7.925f	0	3778	N.D.	0.283	#
33)	Chlordane...	7.632	0.000	3271	0	0.169	N.D.	#
34)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.632	0.000	3271	0	4.050	N.D.	#
37)	Toxaphene...	0.000	8.665f	0	6929	N.D.	4.935	#
38)	Toxaphene...	0.000	8.665	0	6929	N.D.	3.453	#
39)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
40)	Toxaphene...	8.734f	0.000	9451	0	3.485	N.D.	#
41)	Toxaphene...	0.000	9.294	0	4115	N.D.	2.026	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

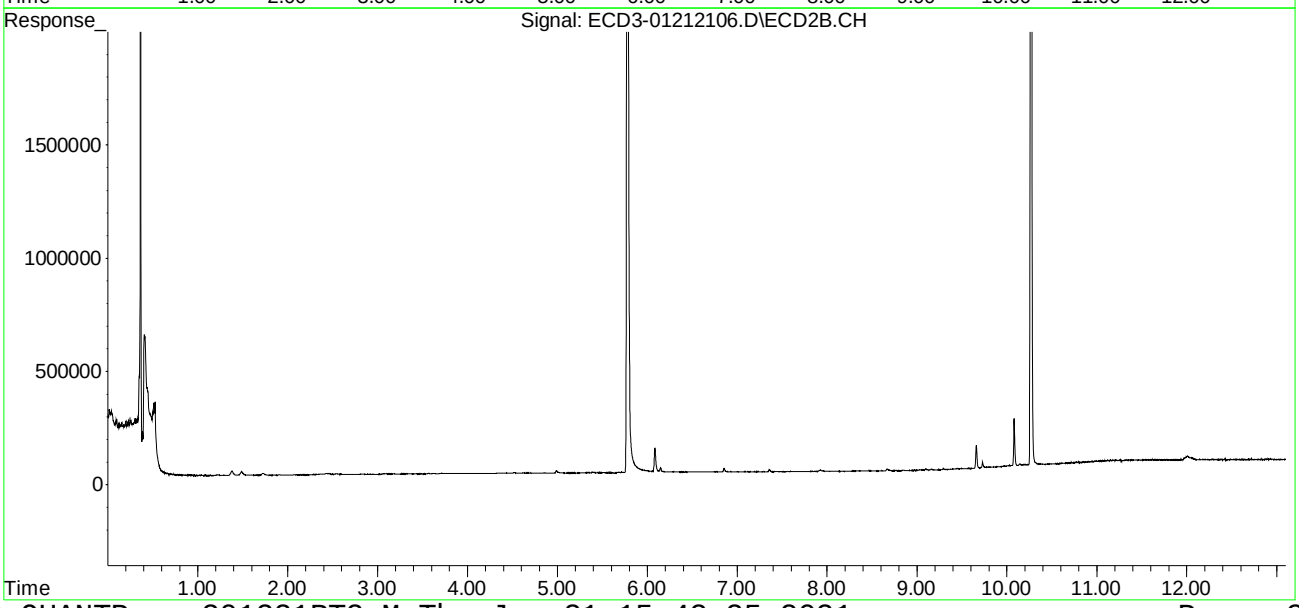
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212106.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 13:35
Operator : MJB
Sample : 1A21053-CCB1
Misc : A20L446
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 15:42:17 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212107.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 13:52
Operator : MJB
Sample : A20K0482-04RE2
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC, 4,4-DDE Only
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 1/21/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 15:43:10 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.470	5.778	4582183	2901645	24.717	26.655	
22) S	DCBP (S)	9.680	10.267	5538492	3156286	50.442	52.403	
	Target Compounds							
2)	a-BHC	6.006	0.000	5403	0	0.023	N.D.	#
3)	g-BHC	0.000	6.661f	0	5932	N.D.	0.046	#
4)	b-BHC	6.370	0.000	6369	0	9545.021	N.D.	#
5)	Heptachlor	6.692	0.000	17510	0	0.090	N.D.	#
6)	d-BHC	6.536	0.000	10170	0	0.052	N.D.	#
7)	Aldrin	0.000	0.000	0	0	N.D.	N.D.	
8)	Heptachlo...	7.405	7.728f	10799	14377	44971.006	0.001	#
9)	trans-Chl...	7.510	7.907	12761	8886	0.068	6778.175	#
10)	cis-Chlor...	7.615	8.031f	10501	23929	BelowCal	0.065	
11)	Endosulfa...	0.000	8.031f	0	23929	N.D.	0.235	#
12)	4,4'-DDE	7.645	8.108	30604	5596	0.166	0.050	#
13)	Dieldrin	0.000	8.251	0	5020	N.D.	0.045	#
14)	Endrin	0.000	0.000	0	0	N.D.	N.D.	
15)	4,4'-DDD	8.097	8.519	12012	4794	0.084	0.055	
16)	Endosulfa...	8.190	8.618	39208	5321	0.278	0.061	#
17)	4,4'-DDT	8.322f	8.752	33441	8894	0.264	0.123	#
18)	Endrin Al...	8.516	8.827f	3898	2549	BelowCal	BelowCal	
19)	Endosulfa...	8.809	9.075f	3768	3504	0.029	0.047	#
20)	Methoxychlor	8.614	9.212	8875	7090	0.005	0.051	#
21)	Endrin Ke...	9.005	9.449	19948	14773	0.142	0.180	
23)	Hexachlor...	3.261	3.500	15818	12861	2844.092	1294.056	#
24)	Hexachlor...	5.857	6.246	12757	19013	BelowCal	3052.446	
25)	Oxychlordane	0.000	7.728f	0	14377	N.D.	24475.357	#
26)	2,4'-DDE	7.405	7.880	10799	9819	5794.777	11271.769	#
27)	trans-Non...	7.615f	0.000	10501	0	34192.553	N.D.	#
28)	2,4'-DDD	0.000	8.251	0	5020	N.D.	BelowCal	
29)	2,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212107.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 13:52
Operator : MJB
Sample : A20K0482-04RE2
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC, 4,4-DDE Only
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 15:43:10 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

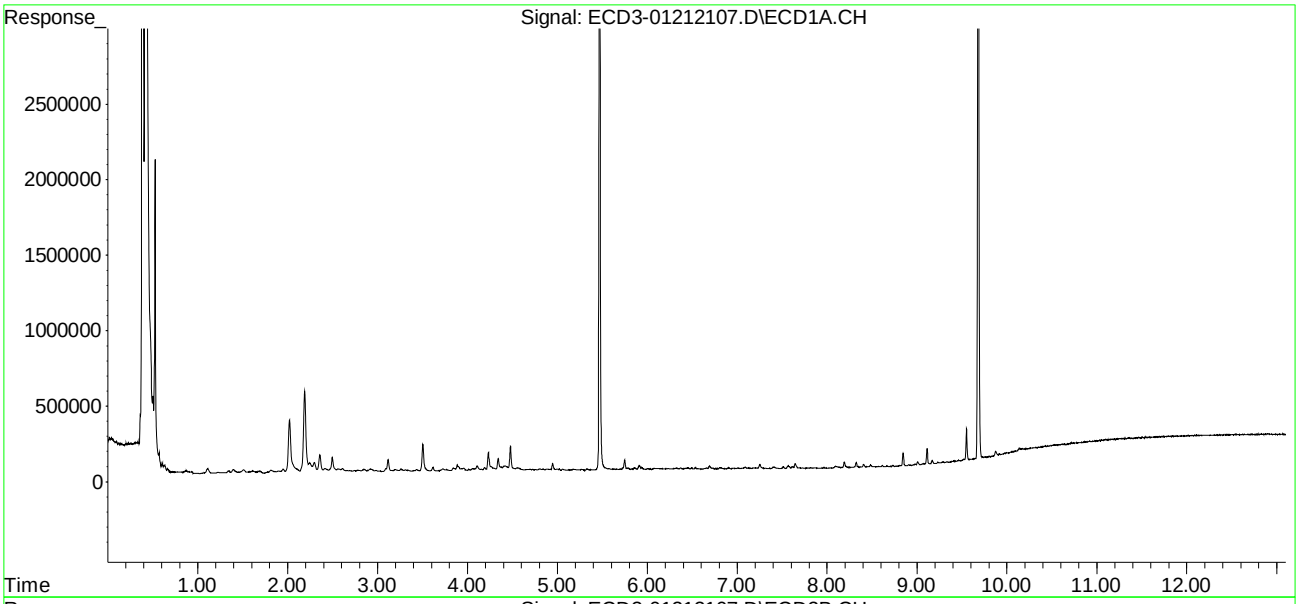
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.097f	8.519	12012	4794	BelowCal	BelowCal	
31)	Mirex	8.730	9.449	7270	14773	BelowCal	14371.849	
32)	Chlordane...	7.567f	0.000	18154	0	0.891	N.D.	#
33)	Chlordane...	7.645	8.031f	30604	23929	1.578	2.121	
34)	Chlordane...	8.190	8.752f	39208	8894	6.514	2.493	#
35)	Chlordane...	3.770f	3.747	6700	18118	NoCal	NoCal	
36)	Toxaphene...	7.615	8.251f	10501	5020	13.002	4.060	#
37)	Toxaphene...	0.000	8.618	0	5321	N.D.	3.789	#
38)	Toxaphene...	0.000	8.658	0	13634	N.D.	6.795	#
39)	Toxaphene...	8.483	8.752	13729	8894	3.900	2.672	
40)	Toxaphene...	8.730f	0.000	7270	0	2.681	N.D.	#
41)	Toxaphene...	8.809f	9.293	3768	3067	1.195	1.511	
42)	Toxaphene...	3.770f	3.747	6700	18118	NoCal	NoCal	

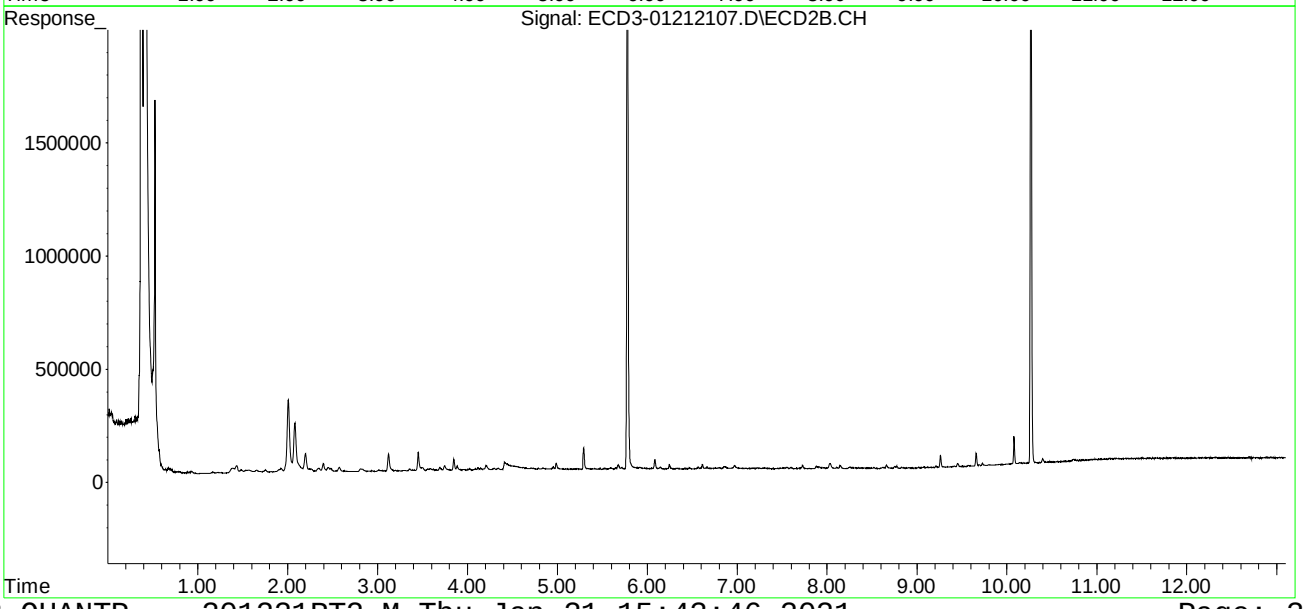
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212107.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 13:52
Operator : MJB
Sample : A20K0482-04RE2
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC, 4,4-DDE Only
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 15:43:10 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212108.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 14:09
Operator : MJB
Sample : A20K0482-05RE2
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC, 4,4-DDE Only
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 1/21/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 15:44:22 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.470	5.777	5438814	3366220	29.338	30.988	
22) S	DCBP (S)	9.679	10.267	5369314	2914173	48.877	48.294	
	Target Compounds							
2)	a-BHC	6.005	0.000	5506	0	0.023	N.D.	#
3)	g-BHC	6.317	6.662f	7209	7593	0.034	0.058	#
4)	b-BHC	6.403	6.793f	7679	4012	9545.007	2944.402	#
5)	Heptachlor	6.691	0.000	18231	0	0.093	N.D.	#
6)	d-BHC	6.535	0.000	10109	0	0.052	N.D.	#
7)	Aldrin	6.949	7.310	4900	3528	0.024	0.028	
8)	Heptachlo...	7.405	0.000	11612	0	44971.001	N.D.	#
9)	trans-Chl...	0.000	7.904	0	8587	N.D.	6778.178	#
10)	cis-Chlor...	7.612	8.028	11932	31318	BelowCal	0.136	
11)	Endosulfa...	7.721	8.028f	4505	31318	0.027	0.308	#
12)	4,4'-DDE	7.644	8.108	43574	6251	0.236	0.055	#
13)	Dieldrin	0.000	8.237	0	38565	N.D.	0.344	#
14)	Endrin	8.063	0.000	5101	0	0.037	N.D.	#
15)	4,4'-DDD	8.092	8.520	92503	8460	0.645	0.096	#
16)	Endosulfa...	8.190	8.617	48025	8546	0.340	0.098	#
17)	4,4'-DDT	8.321f	8.749	43014	12065	0.339	0.167	#
18)	Endrin Al...	8.513	8.849	9339	2921	BelowCal	BelowCal	
19)	Endosulfa...	8.807	9.058	6593	6231	0.051	0.084	#
20)	Methoxychlor	8.632	9.210	2269	3743	BelowCal	BelowCal	
21)	Endrin Ke...	9.004	9.449	40011	27830	0.286	0.339	
23)	Hexachlor...	3.260	3.493	19776	15862	2844.069	1294.032	#
24)	Hexachlor...	5.857	6.246	15230	71517	BelowCal	0.407	
25)	Oxychlordane	7.305f	7.714	11027	5283	BelowCal	24475.458	
26)	2,4'-DDE	7.405	7.875	11612	11039	5794.770	11271.752	#
27)	trans-Non...	7.612	7.961	11932	5951	34192.545	74602.254	#
28)	2,4'-DDD	7.781	8.237	4513	38565	BelowCal	0.369	
29)	2,4'-DDT	7.970	0.000	4187	0	BelowCal	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212108.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 14:09
Operator : MJB
Sample : A20K0482-05RE2
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC, 4,4-DDE Only
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 15:44:22 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

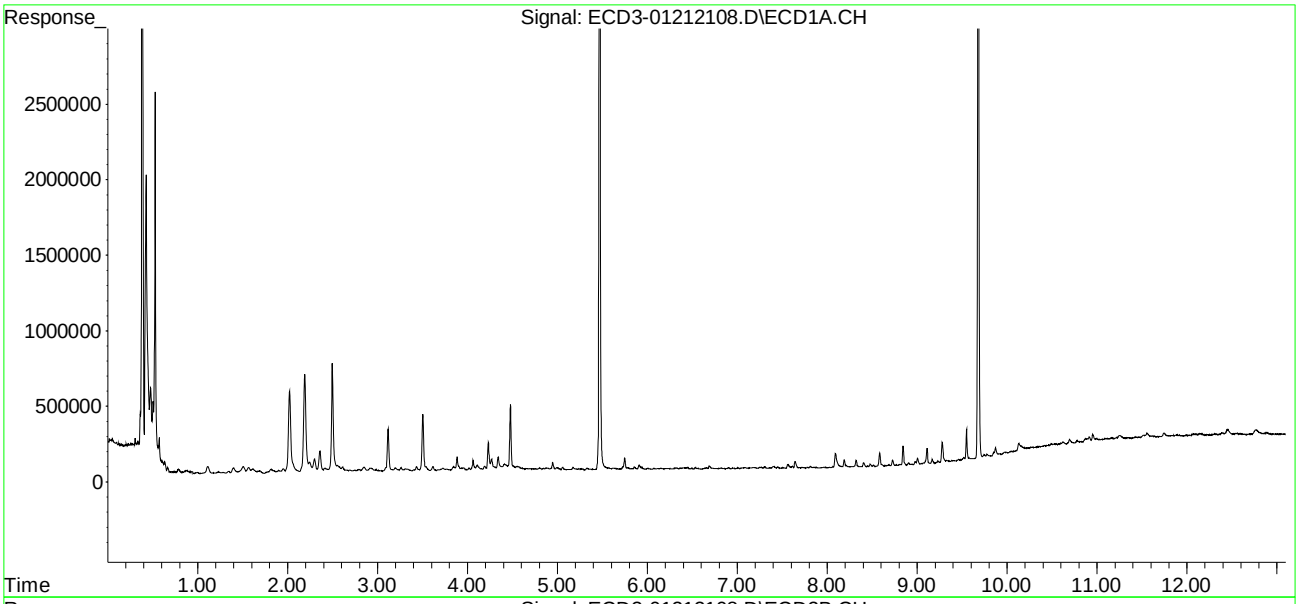
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.063	8.520	5101	8460	BelowCal	BelowCal	
31)	Mirex	8.726	9.449	34020	27830	BelowCal	0.081	
32)	Chlordane...	7.565f	7.961	26114	5951	1.282	0.445	#
33)	Chlordane...	7.644	8.028f	43574	31318	2.246	2.776	
34)	Chlordane...	8.190	8.749f	48025	12065	7.979	3.381	#
35)	Chlordane...	0.000	3.747	0	23640	N.D.	NoCal	
36)	Toxaphene...	7.612	8.322f	11932	2263	14.774	1.830	#
37)	Toxaphene...	0.000	8.656	0	13754	N.D.	9.795	#
38)	Toxaphene...	0.000	8.656	0	13754	N.D.	6.855	#
39)	Toxaphene...	8.479	8.749	15564	12065	4.421	3.625	
40)	Toxaphene...	8.726f	0.000	34020	0	12.546	N.D.	#
41)	Toxaphene...	8.767	9.293	4376	4219	1.388	2.078	#
42)	Toxaphene...	0.000	3.747	0	23640	N.D.	NoCal	

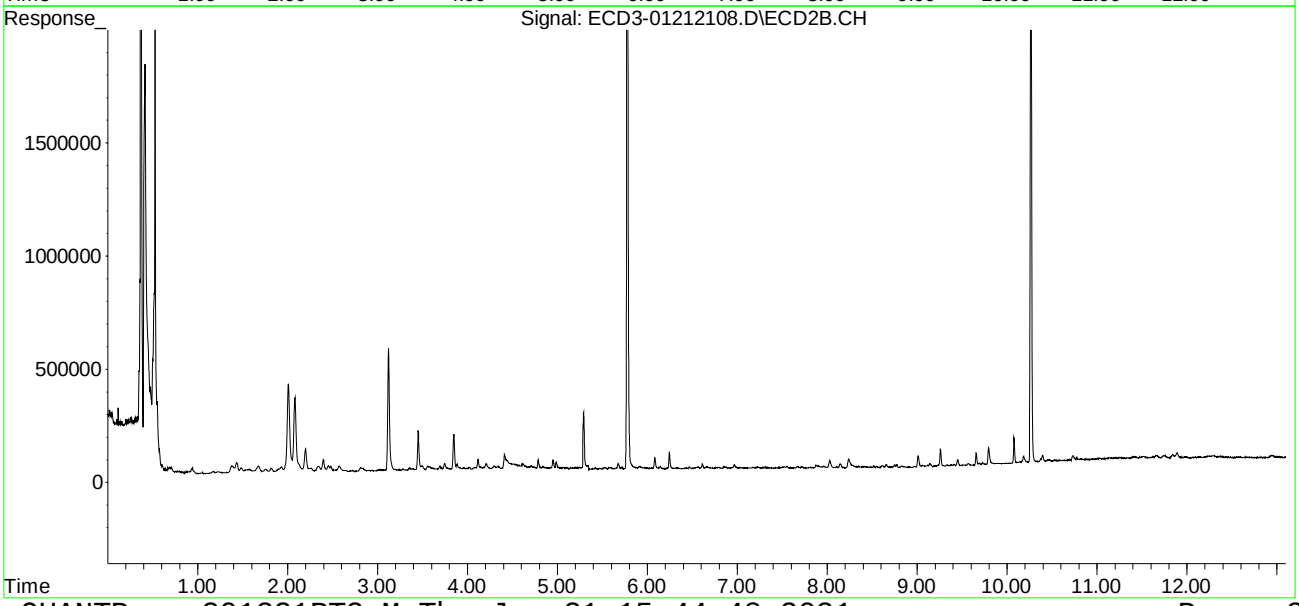
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212108.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 14:09
Operator : MJB
Sample : A20K0482-05RE2
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC, 4,4-DDE Only
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 15:44:22 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212109.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 14:26
Operator : MJB
Sample : A20K0482-10RE2
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC, 4,4-DDE Only
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 1/21/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 15:46:18 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	5.469	5.776	5483017	3487522	29.577	32.121
22) S	DCBP (S)	9.680	10.267	4975353	2843676	45.237	47.100
	Target Compounds						
2)	a-BHC	6.005	0.000	6907	0	0.029	N.D. #
3)	g-BHC	0.000	6.662f	0	6941	N.D.	0.053 #
4)	b-BHC	6.371	6.796f	6886	3061	9545.016	2944.419 #
5)	Heptachlor	6.694	0.000	18103	0	0.093	N.D. #
6)	d-BHC	6.537	6.971f	10320	12338	0.053	0.104 #
7)	Aldrin	0.000	0.000	0	0	N.D.	N.D.
8)	Heptachlo...	7.405	7.728f	12439	31873	44970.996	0.163 #
9)	trans-Chl...	0.000	7.912	0	6511	N.D.	6778.197 #
10)	cis-Chlor...	7.618	8.029	8747	14839	BelowCal	4425.506
11)	Endosulfa...	0.000	8.029f	0	14839	N.D.	0.146 #
12)	4,4'-DDE	7.646	8.110	28211	3791	0.153	0.034 #
13)	Dieldrin	0.000	8.255	0	3466	N.D.	0.031 #
14)	Endrin	0.000	0.000	0	0	N.D.	N.D.
15)	4,4'-DDD	8.089	0.000	4533	0	0.032	N.D. #
16)	Endosulfa...	8.211	8.620	12469	4252	0.088	0.049 #
17)	4,4'-DDT	8.322f	8.750	26883	8720	0.212	0.121 #
18)	Endrin Al...	8.479f	8.828f	12087	4893	BelowCal	BelowCal
19)	Endosulfa...	8.799	0.000	3012	0	0.023	N.D. #
20)	Methoxychlor	8.615	9.209	4276	4082	BelowCal	BelowCal
21)	Endrin Ke...	9.005	9.451	39983	14874	0.285	0.181
23)	Hexachlor...	3.256	0.000	13023	0	2844.108	N.D. #
24)	Hexachlor...	5.855	6.240	15754	5850	BelowCal	3052.570
25)	Oxychlordane	0.000	7.728f	0	31873	N.D.	0.087 #
26)	2,4'-DDE	7.405	7.882	12439	8302	5794.763	11271.791 #
27)	trans-Non...	7.569f	0.000	9250	0	34192.561	N.D. #
28)	2,4'-DDD	0.000	8.255	0	3466	N.D.	BelowCal
29)	2,4'-DDT	7.967	0.000	5583	0	BelowCal	N.D.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212109.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 14:26
Operator : MJB
Sample : A20K0482-10RE2
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC, 4,4-DDE Only
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 15:46:18 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

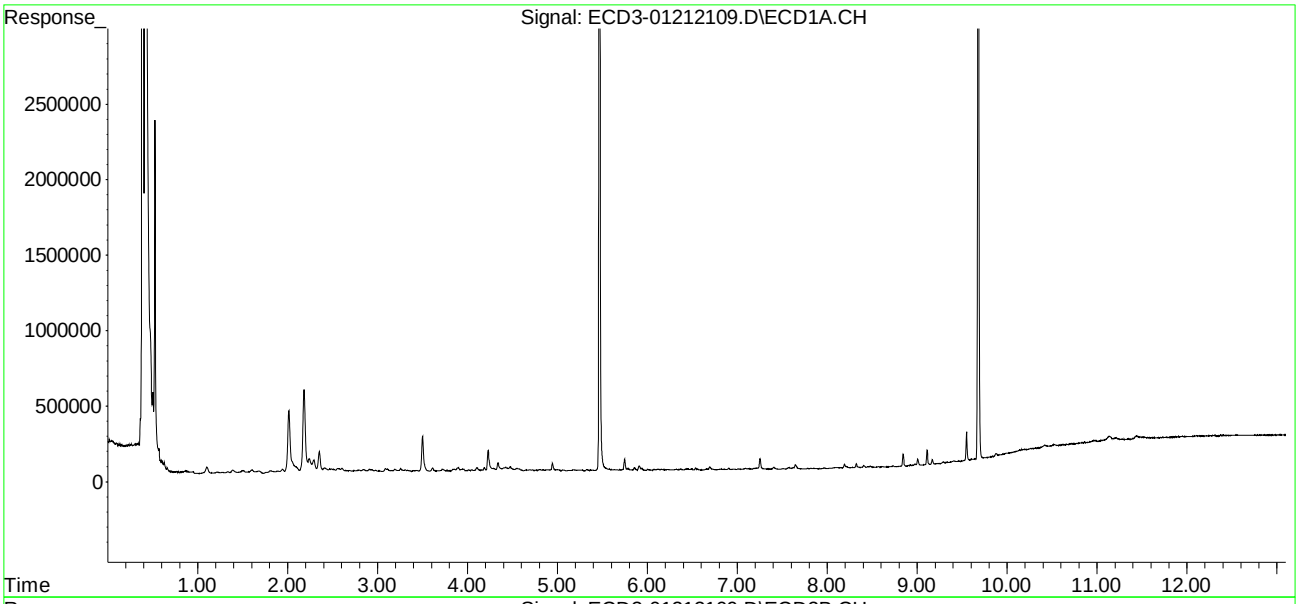
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.089	0.000	4533	0	BelowCal	N.D.	
31)	Mirex	8.730	9.451	8279	14874	BelowCal	14371.848	
32)	Chlordane...	7.569f	0.000	9250	0	0.454	N.D.	#
33)	Chlordane...	7.646	8.029f	28211	14839	1.454	1.315	
34)	Chlordane...	8.192	8.750f	26138	8720	4.343	2.444	#
35)	Chlordane...	0.000	3.744f	0	17677	N.D.	NoCal	
36)	Toxaphene...	7.618	8.255f	8747	3466	10.830	2.803	#
37)	Toxaphene...	0.000	8.620	0	4252	N.D.	3.028	#
38)	Toxaphene...	8.211f	8.659	12469	11146	3.676	5.555	#
39)	Toxaphene...	8.479	8.750	12087	8720	3.434	2.620	
40)	Toxaphene...	8.730f	0.000	8279	0	3.053	N.D.	#
41)	Toxaphene...	8.799f	9.289	3012	3726	0.955	1.835	#
42)	Toxaphene...	0.000	3.744f	0	17677	N.D.	NoCal	

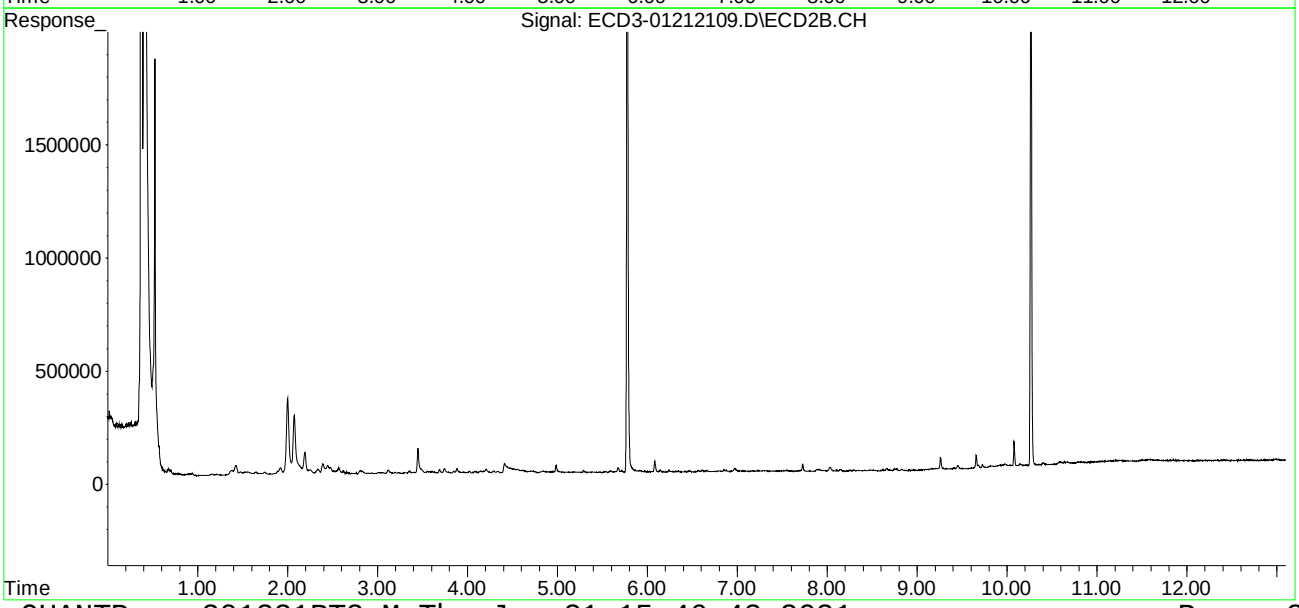
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212109.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 14:26
Operator : MJB
Sample : A20K0482-10RE2
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC, 4,4-DDE Only
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 15:46:18 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212110.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 14:43
Operator : MJB
Sample : A20K0482-11RE2
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC, 4,4-DDE Only
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 15:49:13 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.468	5.775	5212817	3181065	28.119	29.260	
22) S	DCBP (S)	9.680	10.266	4643206	2716019	42.173	44.940	
	Target Compounds							
2)	a-BHC	6.007	6.403f	146942	156206	0.618	1.055	#
3)	g-BHC	6.322	6.709	448654	259504	2.147	1.996	
4)	b-BHC	6.373	6.749	844936	169089	9.296	2.764	#
5)	Heptachlor	6.692	7.067	153412	176436	0.784	1.450	#
6)	d-BHC	6.548	7.014	194645	121074	0.997	1.025	
7)	Aldrin	6.930	7.323	134546	78447	0.664	0.628	
8)	Heptachlo...	7.401	7.741f	249022	129545	1.308	1.064	
9)	trans-Chl...	7.505	7.903	84442	121422	0.452	0.950	#
10)	cis-Chlor...	7.601	8.020	114438	112088	0.497	0.912	#
11)	Endosulfa...	7.720	8.063	271603	109566	1.647	1.077	
12)	4,4'-DDE	7.655	8.108	490529	379852	2.661	3.372	
13)	Dieldrin	7.867	8.251	123715	143889	0.672	1.284	#
14)	Endrin	8.018f	8.466	66607	61998	0.485	0.761	#
15)	4,4'-DDD	8.083	8.518	1655498	536841	11.543	6.111	#
16)	Endosulfa...	8.217	8.626	62021	46053	0.439	0.529	
17)	4,4'-DDT	8.280	8.746	87018	88287	0.686	1.221	#
18)	Endrin Al...	8.517	8.851	102721	54831	0.182	0.053	#
19)	Endosulfa...	8.807	9.050	306776	88911	2.353	1.198	#
20)	Methoxychlor	8.613	9.234	47716	122866	0.671	3.463	#
21)	Endrin Ke...	8.994	9.442	102857	70712	0.734	0.862	
23)	Hexachlor...	3.299f	3.513	154513	45491	0.688	0.135	#
24)	Hexachlor...	5.853	6.244	198509	3581326	0.929	33.626	#
25)	Oxychlordane	7.342	7.707	182924	98992	1.037	0.830	
26)	2,4'-DDE	7.401	7.878	249022	126533	1.998	1.548	
27)	trans-Non...	7.601	7.985	114438	68538	0.471	0.427	
28)	2,4'-DDD	7.781	8.251	191429	143889	1.732	2.092	
29)	2,4'-DDT	7.996f	8.466	78720	61998	0.659	0.901	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212110.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 14:43
Operator : MJB
Sample : A20K0482-11RE2
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC, 4,4-DDE Only
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 15:49:13 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

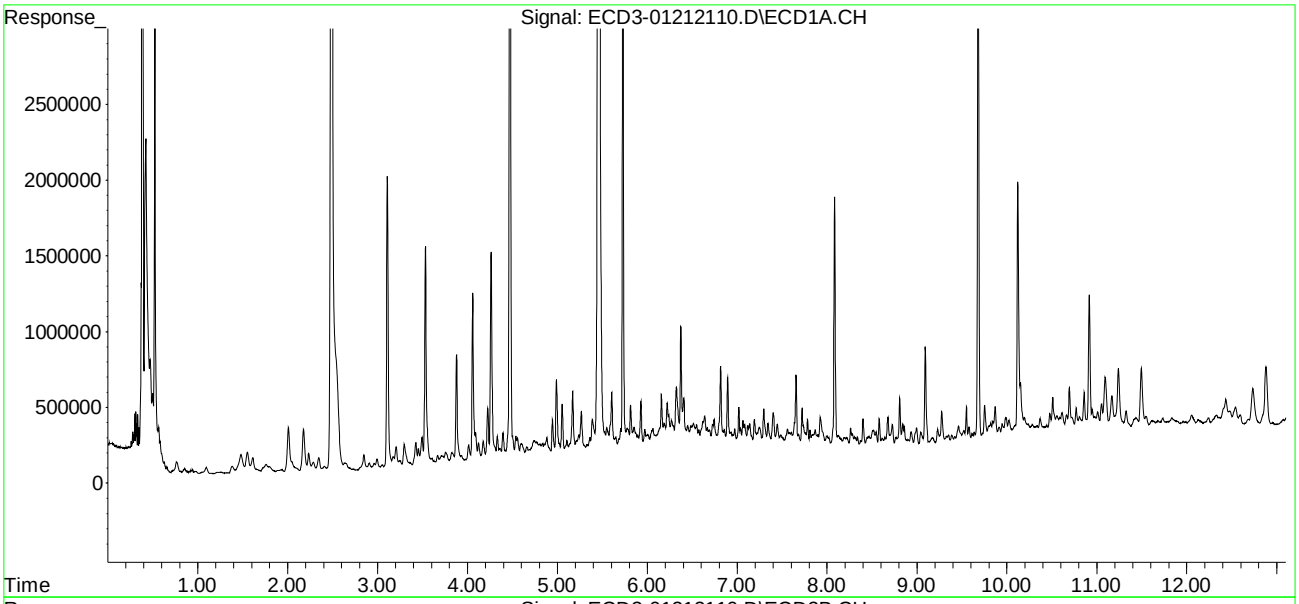
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.083	8.518	1655498	536841	9.233	4.830	#
31)	Mirex	8.724	9.442	135974	70712	0.938	0.768	
32)	Chlordane...	7.560	7.944	136328	103480	6.695	7.738	
33)	Chlordane...	7.655	8.063	490529	109566	25.287	9.713	#
34)	Chlordane...	8.189	8.703	63380	38111	10.531	10.681	
35)	Chlordane...	3.827f	3.742f	84554	48301	NoCal	NoCal	
36)	Toxaphene...	7.601	8.283	114438	65523	141.692	52.988	#
37)	Toxaphene...	7.923	8.626	206077	46053	117.915	32.797	#
38)	Toxaphene...	8.217	8.651	62021	102824	18.286	51.245	#
39)	Toxaphene...	8.463	8.746	60999	88287	17.328	26.524	#
40)	Toxaphene...	8.724	8.907	135974	55408	50.146	25.874	#
41)	Toxaphene...	8.770	9.294	47033	240293	14.915	118.329	#
42)	Toxaphene...	3.827f	3.742f	84554	48301	NoCal	NoCal	

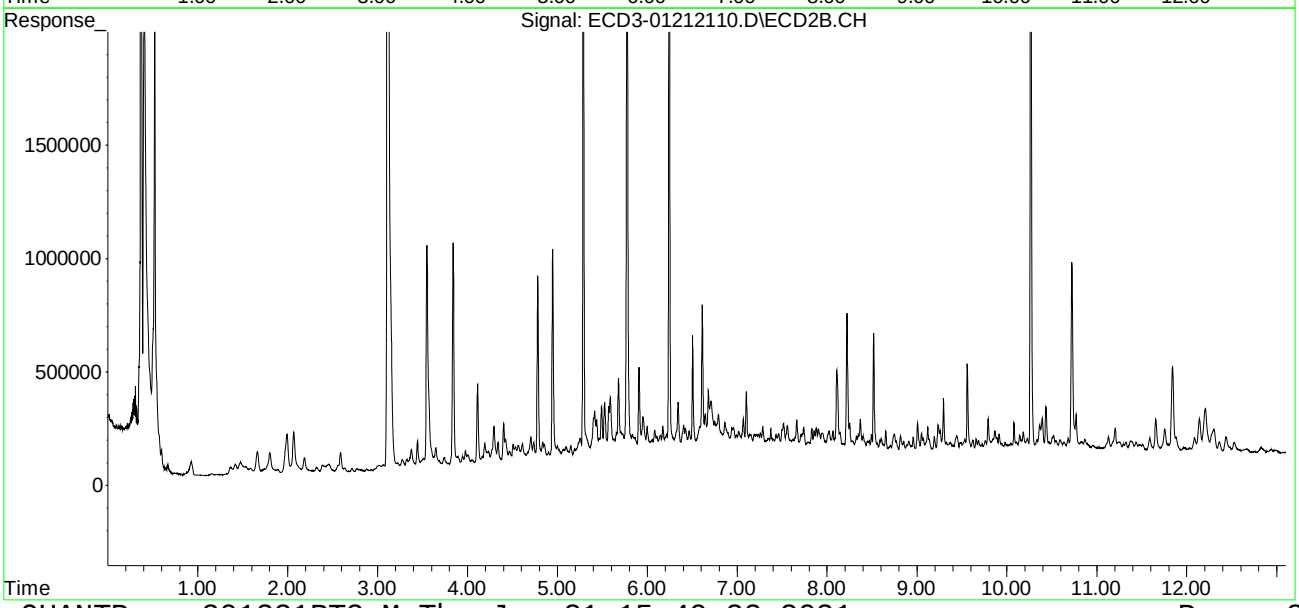
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212110.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 14:43
Operator : MJB
Sample : A20K0482-11RE2
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC, 4,4-DDE Only
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 15:49:13 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

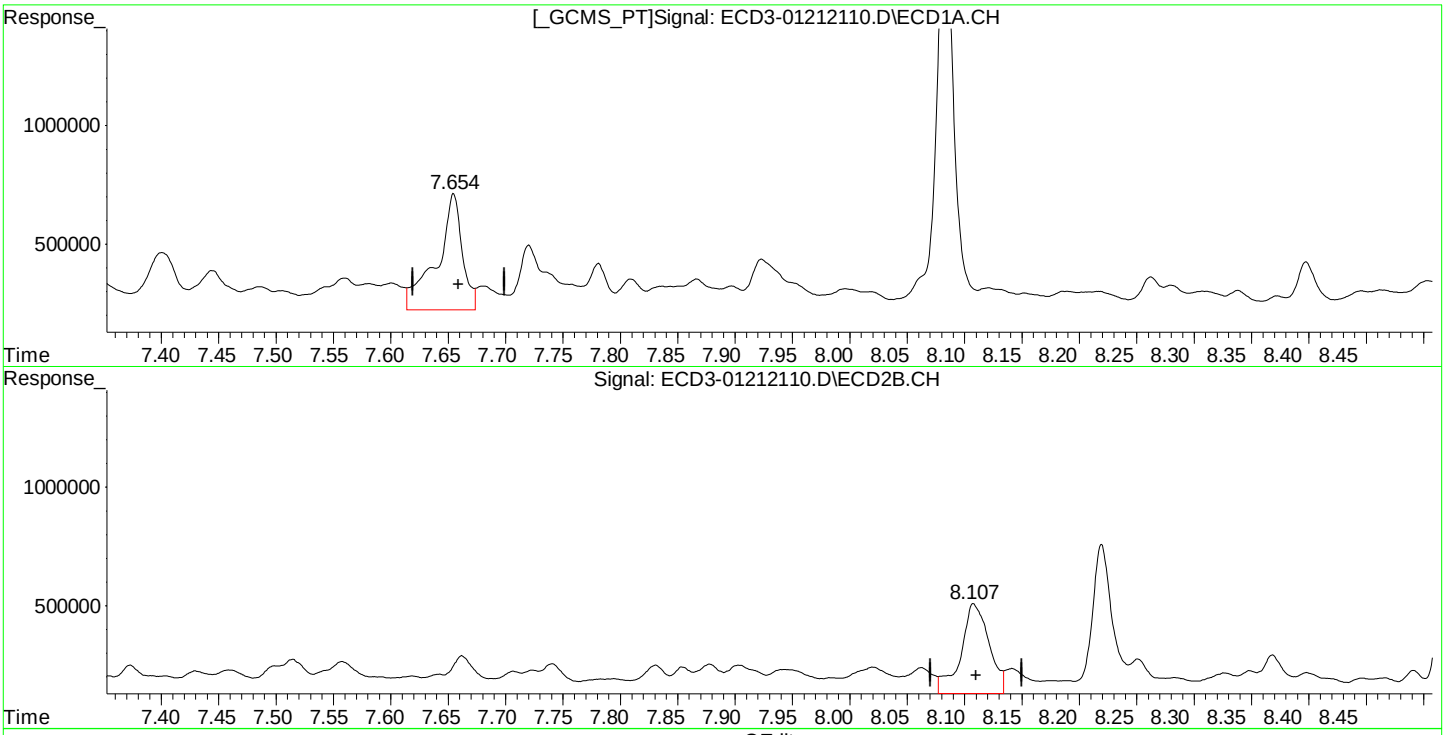




Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212110.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 14:43
Operator : MJB
Sample : A20K0482-11RE2
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC, 4,4-DDE Only
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 15:49:13 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



QEdit

(12) 4,4'-DDE
7.655min 2.661 ng/mL
response 490529

(12) 4,4'-DDE #2
8.108min 3.372 ng/mL
response 379852

(+) = Expected Retention Time

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212110.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 14:43
Operator : MJB MJB 1/21/21
Sample : A20K0482-11RE2
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC, 4,4-DDE Only
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 15:49:13 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.468	5.775	5212817	3181065	28.119	29.260	
22) S	DCBP (S)	9.680	10.266	4643206	2716019	42.173	44.940	
	Target Compounds							
2)	a-BHC	6.007	6.403f	146942	156206	0.618	1.055	#
3)	g-BHC	6.322	6.709	448654	259504	2.147	1.996	
4)	b-BHC	6.373	6.749	844936	169089	9.296	2.764	#
5)	Heptachlor	6.692	7.067	153412	176436	0.784	1.450	#
6)	d-BHC	6.548	7.014	194645	121074	0.997	1.025	
7)	Aldrin	6.930	7.323	134546	78447	0.664	0.628	
8)	Heptachlo...	7.401	7.741f	249022	129545	1.308	1.064	
9)	trans-Chl...	7.505	7.903	84442	121422	0.452	0.950	#
10)	cis-Chlor...	7.601	8.020	114438	112088	0.497	0.912	#
11)	Endosulfa...	7.720	8.063	271603	109566	1.647	1.077	
12)	4,4'-DDE	7.655	8.108	490529	379852	2.661	3.372	
13)	Dieldrin	7.867	8.251	123715	143889	0.672	1.284	#
14)	Endrin	8.018f	8.466	66607	61998	0.485	0.761	#
15)	4,4'-DDD	8.083	8.518	1655498	536841	11.543	6.111	#
16)	Endosulfa...	8.217	8.626	62021	46053	0.439	0.529	
17)	4,4'-DDT	8.280	8.746	87018	88287	0.686	1.221	#
18)	Endrin Al...	8.517	8.851	102721	54831	0.182	0.053	#
19)	Endosulfa...	8.807	9.050	306776	88911	2.353	1.198	#
20)	Methoxychlor	8.613	9.234	47716	122866	0.671	3.463	#
21)	Endrin Ke...	8.994	9.442	102857	70712	0.734	0.862	
23)	Hexachlor...	3.299f	3.513	154513	45491	0.688	0.135	#
24)	Hexachlor...	5.853	6.244	198509	3581326	0.929	33.626	#
25)	Oxychlordane	7.342	7.707	182924	98992	1.037	0.830	
26)	2,4'-DDE	7.401	7.878	249022	126533	1.998	1.548	
27)	trans-Non...	7.601	7.985	114438	68538	0.471	0.427	
28)	2,4'-DDD	7.781	8.251	191429	143889	1.732	2.092	
29)	2,4'-DDT	7.996f	8.466	78720	61998	0.659	0.901	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212110.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 14:43
Operator : MJB
Sample : A20K0482-11RE2
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC, 4,4-DDE Only
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 15:49:13 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

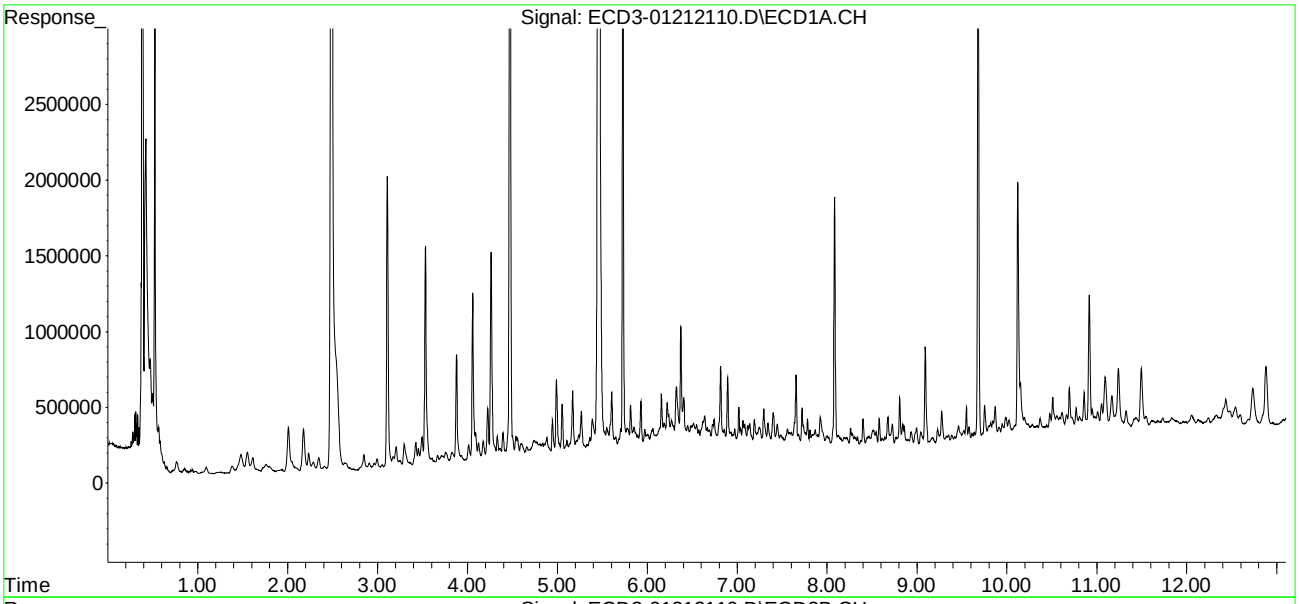
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.083	8.518	1655498	536841	9.233	4.830	#
31)	Mirex	8.724	9.442	135974	70712	0.938	0.768	
32)	Chlordane...	7.560	7.944	136328	103480	6.695	7.738	
33)	Chlordane...	7.655	8.063	490529	109566	25.287	9.713	#
34)	Chlordane...	8.189	8.703	63380	38111	10.531	10.681	
35)	Chlordane...	3.827f	3.742f	84554	48301	NoCal	NoCal	
36)	Toxaphene...	7.601	8.283	114438	65523	141.692	52.988	#
37)	Toxaphene...	7.923	8.626	206077	46053	117.915	32.797	#
38)	Toxaphene...	8.217	8.651	62021	102824	18.286	51.245	#
39)	Toxaphene...	8.463	8.746	60999	88287	17.328	26.524	#
40)	Toxaphene...	8.724	8.907	135974	55408	50.146	25.874	#
41)	Toxaphene...	8.770	9.294	47033	240293	14.915	118.329	#
42)	Toxaphene...	3.827f	3.742f	84554	48301	NoCal	NoCal	

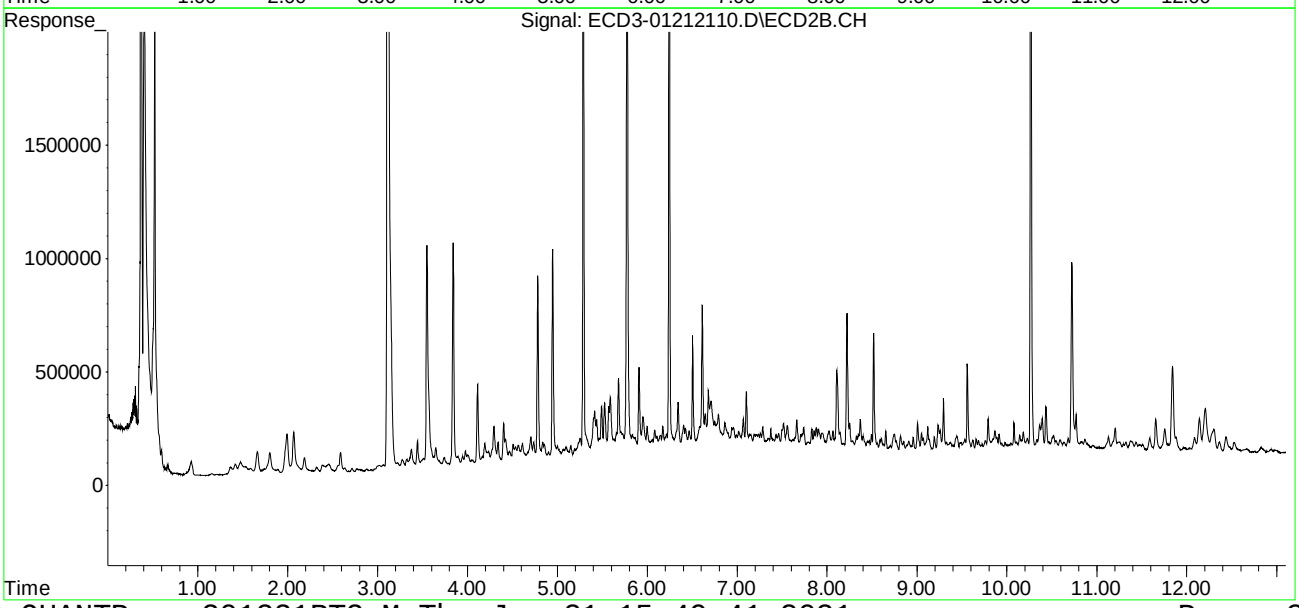
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212110.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 14:43
Operator : MJB
Sample : A20K0482-11RE2
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC, 4,4-DDE Only
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 15:49:13 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212112.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 15:21
Operator : MJB
Sample : A20K0482-12RE2
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC, 4,4-DDE Only
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 1/21/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 15:51:14 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.470	5.779	5337221	3253014	28.790	29.931	
22) S	DCBP (S)	9.678	10.265	5572640	3141100	50.758	52.145	
	Target Compounds							
2)	a-BHC	5.994f	6.346f	54980	3923	0.231	0.027	#
3)	g-BHC	6.314	6.662f	9054	8870	0.043	0.068	#
4)	b-BHC	6.390	6.761	13251	1603	9544.944	2944.444	#
5)	Heptachlor	6.689	7.076	26757	1638	0.137	0.013	#
6)	d-BHC	6.533	0.000	12481	0	0.064	N.D.	#
7)	Aldrin	6.972f	7.291f	7051	4069	0.035	0.033	
8)	Heptachlo...	7.407	7.744	27028	11848	0.007	3530.507	#
9)	trans-Chl...	7.511	7.921	6725	16231	0.036	6778.108	#
10)	cis-Chlor...	7.611	8.024	13001	27713	BelowCal	0.102	
11)	Endosulfa...	7.720	8.024f	32335	27713	0.196	0.272	
12)	4,4'-DDE	7.653	8.108	54357	31601	0.295	0.281	
13)	Dieldrin	7.870	8.251	23967	31225	0.130	0.279	#
14)	Endrin	8.063	8.492	20817	9302	0.152	0.114	
15)	4,4'-DDD	8.085	8.518	176286	62309	1.229	0.709	#
16)	Endosulfa...	8.224	8.603	11566	16241	0.082	0.187	#
17)	4,4'-DDT	8.264	8.749	18407	12997	0.145	0.180	
18)	Endrin Al...	8.510	8.852	11668	8460	BelowCal	BelowCal	
19)	Endosulfa...	8.806	9.051	31544	27460	0.242	0.370	#
20)	Methoxychlor	8.638f	9.236	6308	41473	BelowCal	1.066	
21)	Endrin Ke...	9.001	9.447	32493	28163	0.232	0.343	#
23)	Hexachlor...	3.263	3.506	16113	12843	2844.090	1294.056	#
24)	Hexachlor...	5.876	6.247	176583	73671	0.799	0.428	#
25)	Oxychlordane	7.355	7.709	11744	15043	BelowCal	24475.350	
26)	2,4'-DDE	7.407	7.876	27028	23865	0.027	0.107	#
27)	trans-Non...	7.611	7.968	13001	20147	34192.538	74602.113	#
28)	2,4'-DDD	7.783	8.251	47208	31225	0.280	0.249	
29)	2,4'-DDT	7.937f	8.492	15048	9302	BelowCal	BelowCal	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212112.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 15:21
Operator : MJB
Sample : A20K0482-12RE2
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC, 4,4-DDE Only
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 15:51:14 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

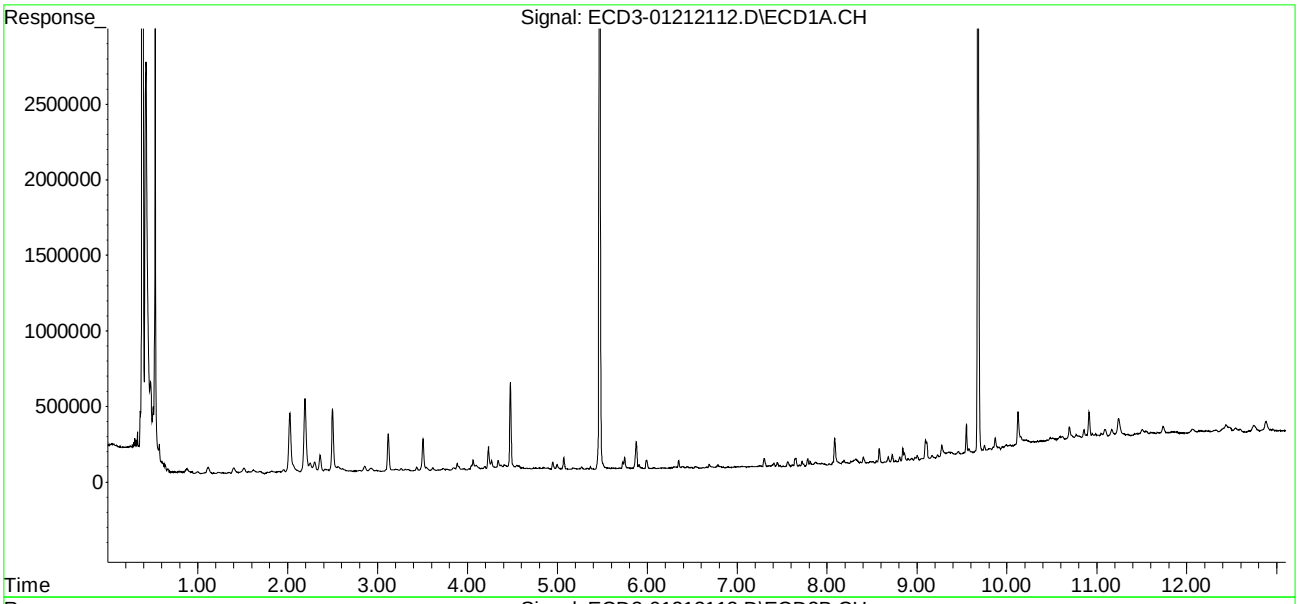
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.063	8.518	20817	62309	BelowCal	0.337	
31)	Mirex	8.724	9.447	50495	28163	0.122	0.086	
32)	Chlordane...	7.563f	7.944	33220	11916	1.631	0.891	#
33)	Chlordane...	7.653	8.024f	54357	27713	2.802	2.457	
34)	Chlordane...	8.188	8.708	27639	3177	4.592	0.890	#
35)	Chlordane...	3.769f	3.749	6918	15951	NoCal	NoCal	
36)	Toxaphene...	7.611	8.251f	13001	31225	16.098	25.251	#
37)	Toxaphene...	7.914	8.655	13738	24010	5.578	17.099	#
38)	Toxaphene...	8.224	8.655	11566	24010	3.410	11.966	#
39)	Toxaphene...	8.482	8.749	13088	12997	3.718	3.905	
40)	Toxaphene...	8.724	8.889f	50495	5442	18.622	BelowCal	#
41)	Toxaphene...	8.758	9.295	9109	40207	2.888	19.799	#
42)	Toxaphene...	3.769f	3.749	6918	15951	NoCal	NoCal	

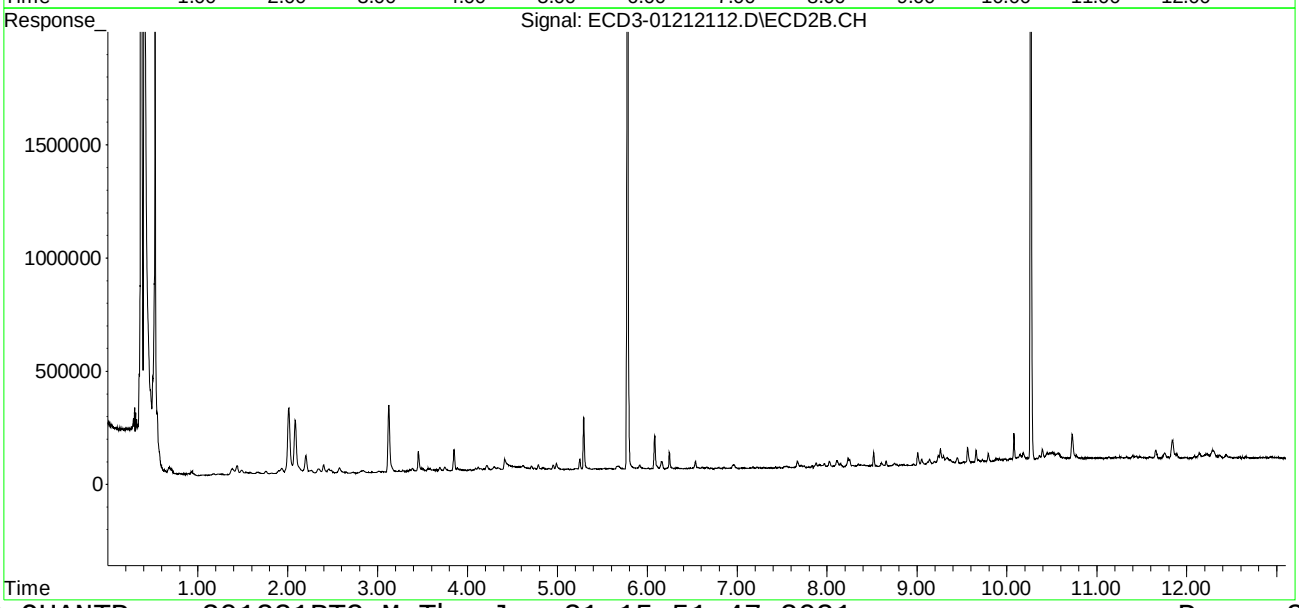
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212112.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 15:21
Operator : MJB
Sample : A20K0482-12RE2
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC, 4,4-DDE Only
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 15:51:14 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212113.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 15:38
Operator : MJB
Sample : A20K0482-13RE2
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC, 4,4-DDE Only
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 15:52:22 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.470	5.778	5980943	3898234	32.263	35.963	
22) S	DCBP (S)	9.679	10.266	5810826	3288680	52.964	54.656	
	Target Compounds							
2)	a-BHC	6.005	6.343f	6065	4968	0.025	0.034	
3)	g-BHC	6.317	6.664f	8593	13084	0.041	0.101	#
4)	b-BHC	6.368f	6.760	5701	1381	9545.029	2944.448	#
5)	Heptachlor	6.690	0.000	22282	0	0.114	N.D.	#
6)	d-BHC	6.536	0.000	12376	0	0.063	N.D.	#
7)	Aldrin	6.946	7.311	3400	4674	0.017	0.037	#
8)	Heptachlo...	7.408	7.727f	12595	78551	44970.995	0.593	#
9)	trans-Chl...	7.509	7.903	6086	10092	0.033	6778.164	#
10)	cis-Chlor...	7.611	8.029f	16252	34401	BelowCal	0.166	
11)	Endosulfa...	7.722	8.029f	6352	34401	0.039	0.338	#
12)	4,4'-DDE	7.642	8.143f	36589	19239	0.198	0.171	
13)	Dieldrin	7.875	8.237	6941	18691	0.038	0.167	#
14)	Endrin	8.062	0.000	13863	0	0.101	N.D.	#
15)	4,4'-DDD	8.092	8.518	45492	4425	0.317	0.050	#
16)	Endosulfa...	8.210	8.619	12597	9218	0.089	0.106	
17)	4,4'-DDT	8.320f	8.750	59535	22827	0.469	0.316	
18)	Endrin Al...	8.477f	8.825f	23710	7727	BelowCal	BelowCal	
19)	Endosulfa...	8.806	9.071f	8820	4909	0.068	0.066	
20)	Methoxychlor	8.611	9.209	16070	11335	0.128	0.176	
21)	Endrin Ke...	9.003	9.449	89366	52211	0.638	0.636	
23)	Hexachlor...	3.262	3.491	10638	14454	2844.121	1294.043	#
24)	Hexachlor...	5.856	6.247	12453	8002	BelowCal	3052.549	
25)	Oxychlordane	7.305f	7.690	19379	9859	BelowCal	24475.407	
26)	2,4'-DDE	7.408	7.874	12595	10485	5794.761	11271.760	#
27)	trans-Non...	7.611	7.961	16252	8139	34192.519	74602.232	#
28)	2,4'-DDD	7.783	8.237	5182	18691	BelowCal	0.044	
29)	2,4'-DDT	7.944f	0.000	7401	0	BelowCal	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212113.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 15:38
Operator : MJB
Sample : A20K0482-13RE2
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC, 4,4-DDE Only
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 15:52:22 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

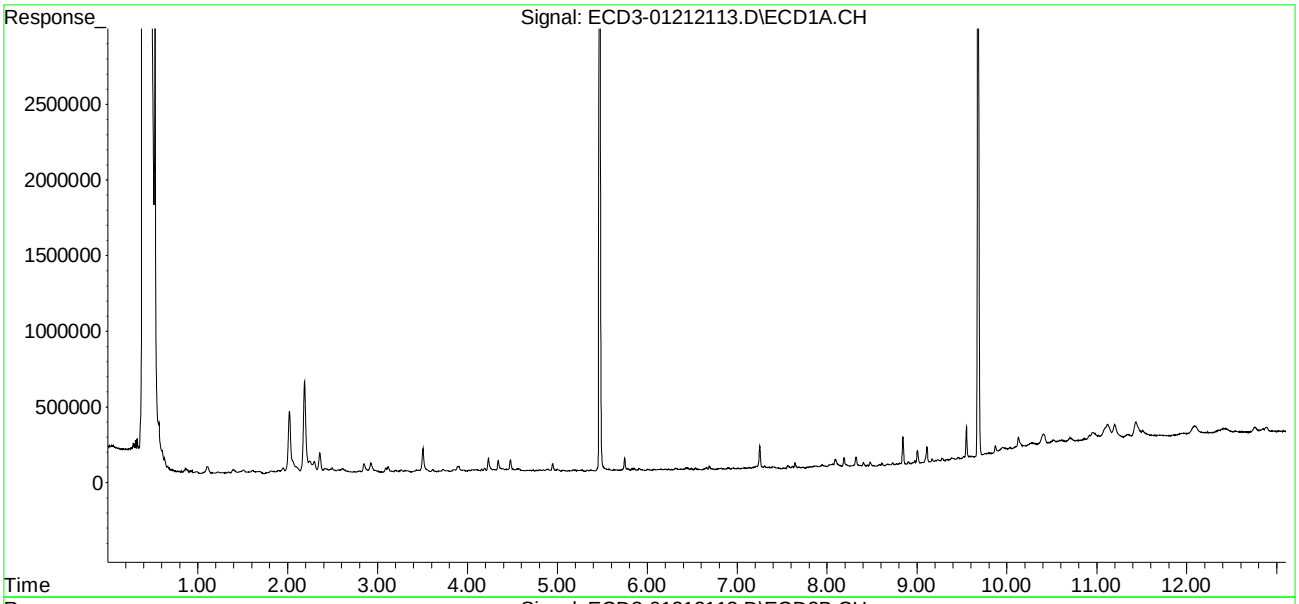
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.062	8.518	13863	4425	BelowCal	BelowCal	
31)	Mirex	8.727	9.449	14045	52211	BelowCal	0.472	
32)	Chlordane...	7.565f	7.961	21778	8139	1.069	0.609	#
33)	Chlordane...	7.642	8.029f	36589	34401	1.886	3.050	#
34)	Chlordane...	8.188	8.698	57338	5376	9.527	1.507	#
35)	Chlordane...	0.000	3.776	0	6351	N.D.	NoCal	
36)	Toxaphene...	7.611	8.281	16252	3845	20.123	3.109	#
37)	Toxaphene...	7.938f	8.655	8036	15927	2.262	11.342	#
38)	Toxaphene...	8.210f	8.679	12597	5312	3.714	2.647	
39)	Toxaphene...	8.477	8.750	23710	22827	6.736	6.858	
40)	Toxaphene...	8.702	0.000	4406	0	1.625	N.D.	#
41)	Toxaphene...	8.771	9.295	9560	6369	3.032	3.136	
42)	Toxaphene...	0.000	3.776	0	6351	N.D.	NoCal	

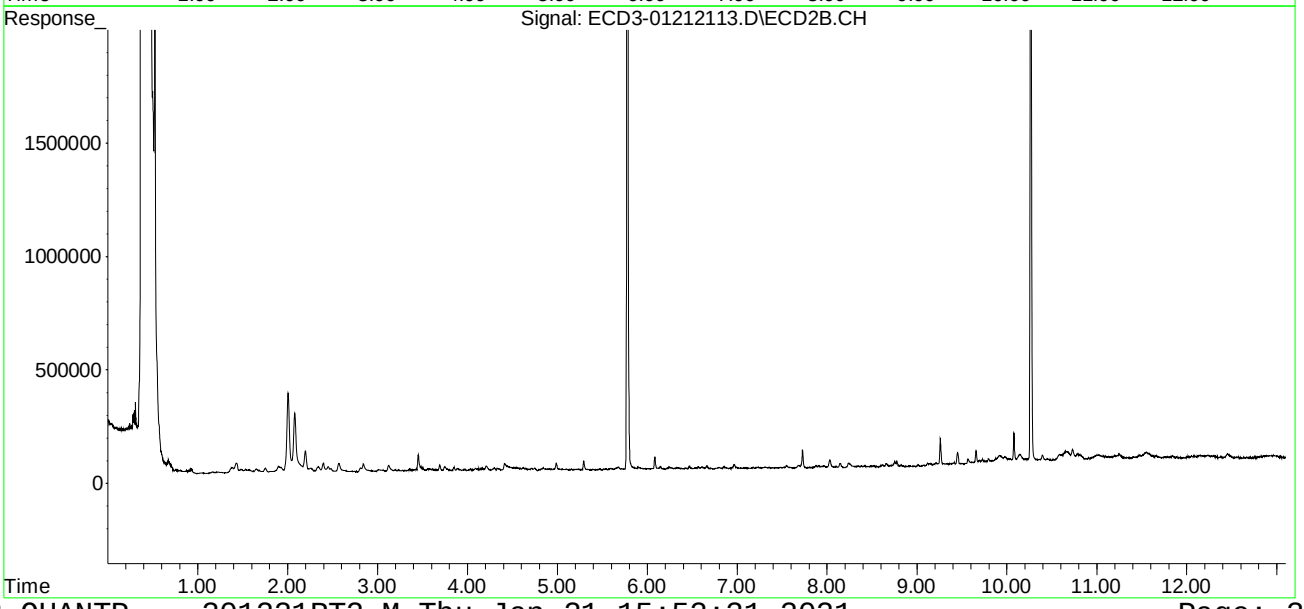
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212113.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 15:38
Operator : MJB
Sample : A20K0482-13RE2
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC, 4,4-DDE Only
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 15:52:22 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

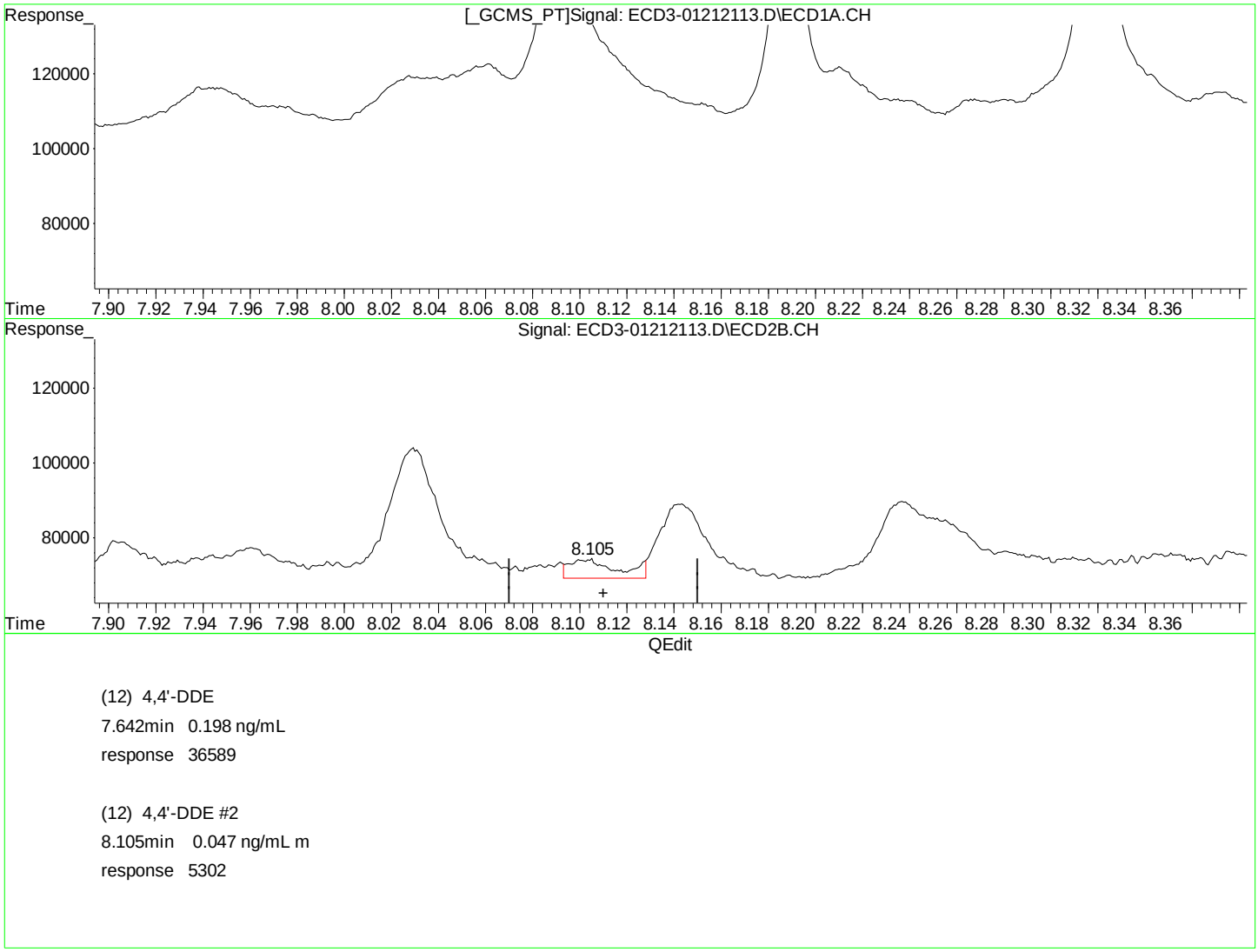




Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212113.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 15:38
Operator : MJB
Sample : A20K0482-13RE2
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC, 4,4-DDE Only
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 15:52:22 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(12) 4,4'-DDE
7.642min 0.198 ng/mL
response 36589

(12) 4,4'-DDE #2
8.105min 0.047 ng/mL m
response 5302

(+) = Expected Retention Time

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212113.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 15:38
Operator : MJB
Sample : A20K0482-13RE2
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC, 4,4-DDE Only
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 1/21/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 15:52:51 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.470	5.778	5980943	3898234	32.263	35.963	
22) S	DCBP (S)	9.679	10.266	5810826	3288680	52.964	54.656	
	Target Compounds							
2)	a-BHC	6.005	6.343f	6065	4968	0.025	0.034	
3)	g-BHC	6.317	6.664f	8593	13084	0.041	0.101	#
4)	b-BHC	6.368f	6.760	5701	1381	9545.029	2944.448	#
5)	Heptachlor	6.690	0.000	22282	0	0.114	N.D.	#
6)	d-BHC	6.536	0.000	12376	0	0.063	N.D.	#
7)	Aldrin	6.946	7.311	3400	4674	0.017	0.037	#
8)	Heptachlo...	7.408	7.727f	12595	78551	44970.995	0.593	#
9)	trans-Chl...	7.509	7.903	6086	10092	0.033	6778.164	#
10)	cis-Chlor...	7.611	8.029f	16252	34401	BelowCal	0.166	
11)	Endosulfa...	7.722	8.029f	6352	34401	0.039	0.338	#
12)	4,4'-DDE	7.642	8.105	36589	5302	0.198	0.047m	#
13)	Dieldrin	7.875	8.237	6941	18691	0.038	0.167	#
14)	Endrin	8.062	0.000	13863	0	0.101	N.D.	#
15)	4,4'-DDD	8.092	8.518	45492	4425	0.317	0.050	#
16)	Endosulfa...	8.210	8.619	12597	9218	0.089	0.106	
17)	4,4'-DDT	8.320f	8.750	59535	22827	0.469	0.316	
18)	Endrin Al...	8.477f	8.825f	23710	7727	BelowCal	BelowCal	
19)	Endosulfa...	8.806	9.071f	8820	4909	0.068	0.066	
20)	Methoxychlor	8.611	9.209	16070	11335	0.128	0.176	
21)	Endrin Ke...	9.003	9.449	89366	52211	0.638	0.636	
23)	Hexachlor...	3.262	3.491	10638	14454	2844.121	1294.043	#
24)	Hexachlor...	5.856	6.247	12453	8002	BelowCal	3052.549	
25)	Oxychlordane	7.305f	7.690	19379	9859	BelowCal	24475.407	
26)	2,4'-DDE	7.408	7.874	12595	10485	5794.761	11271.760	#
27)	trans-Non...	7.611	7.961	16252	8139	34192.519	74602.232	#
28)	2,4'-DDD	7.783	8.237	5182	18691	BelowCal	0.044	
29)	2,4'-DDT	7.944f	0.000	7401	0	BelowCal	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212113.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 15:38
Operator : MJB
Sample : A20K0482-13RE2
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC, 4,4-DDE Only
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 15:52:51 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

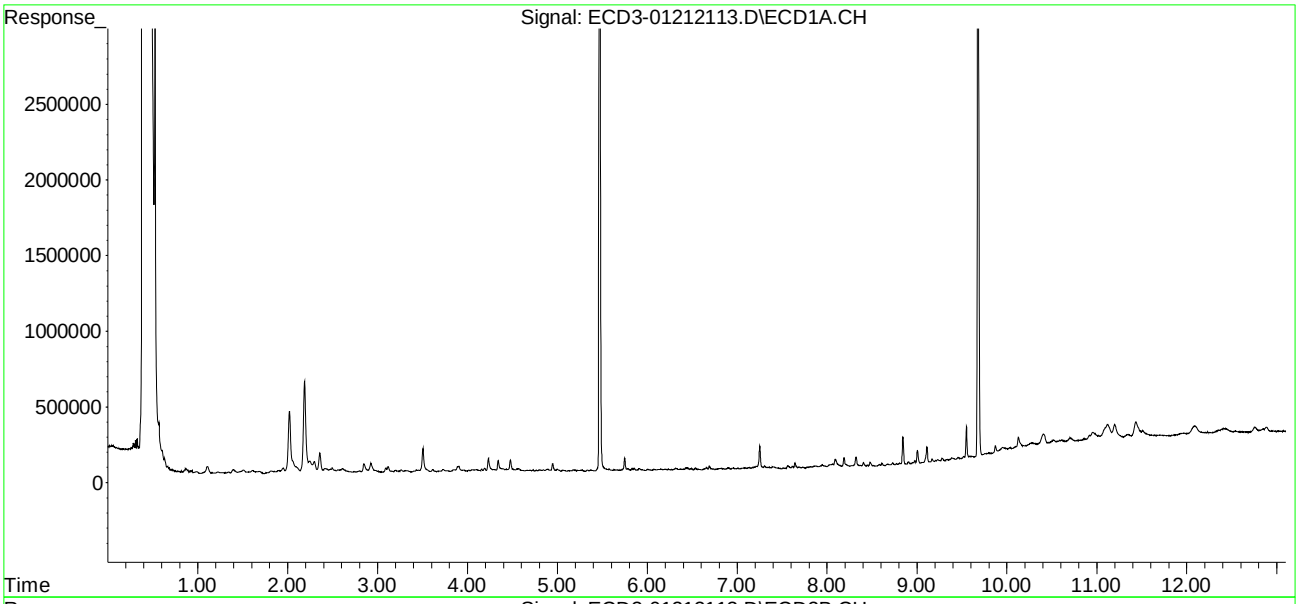
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.062	8.518	13863	4425	BelowCal	BelowCal	
31)	Mirex	8.727	9.449	14045	52211	BelowCal	0.472	
32)	Chlordane...	7.565f	7.961	21778	8139	1.069	0.609	#
33)	Chlordane...	7.642	8.029f	36589	34401	1.886	3.050	#
34)	Chlordane...	8.188	8.698	57338	5376	9.527	1.507	#
35)	Chlordane...	0.000	3.776	0	6351	N.D.	NoCal	
36)	Toxaphene...	7.611	8.281	16252	3845	20.123	3.109	#
37)	Toxaphene...	7.938f	8.655	8036	15927	2.262	11.342	#
38)	Toxaphene...	8.210f	8.679	12597	5312	3.714	2.647	
39)	Toxaphene...	8.477	8.750	23710	22827	6.736	6.858	
40)	Toxaphene...	8.702	0.000	4406	0	1.625	N.D.	#
41)	Toxaphene...	8.771	9.295	9560	6369	3.032	3.136	
42)	Toxaphene...	0.000	3.776	0	6351	N.D.	NoCal	

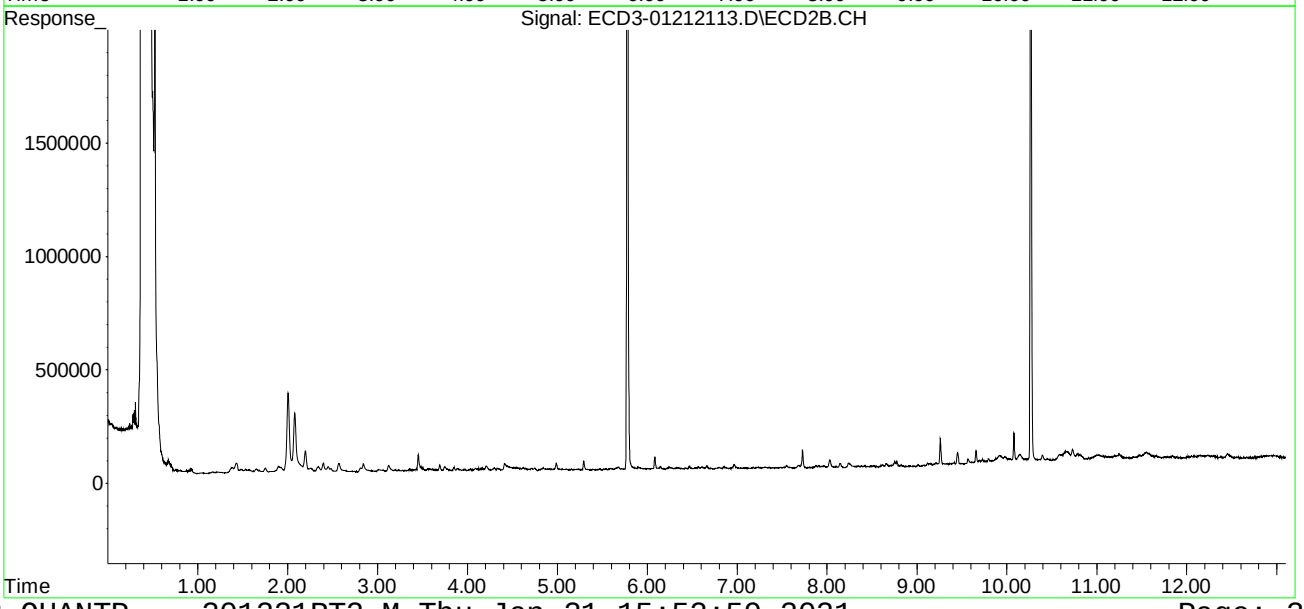
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212113.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 15:38
Operator : MJB
Sample : A20K0482-13RE2
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC, 4,4-DDE Only
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 15:52:51 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212114.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 15:55
Operator : MJB
Sample : A20K0482-14RE2
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC, 4,4-DDE Only
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 1/21/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 16:08:50 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.470	5.777	5113109	3266409	27.581	30.056	
22) S	DCBP (S)	9.679	10.266	5496064	3117357	50.050	51.742	
	Target Compounds							
2)	a-BHC	6.005	6.341f	5981	3666	0.025	0.025	
3)	g-BHC	6.320	6.661f	6046	6589	0.029	0.051	#
4)	b-BHC	6.401	6.761	3625	4505	9545.052	2944.393	#
5)	Heptachlor	6.691	0.000	21881	0	0.112	N.D.	#
6)	d-BHC	6.535	0.000	9337	0	0.048	N.D.	#
7)	Aldrin	6.962	0.000	3521	0	0.017	N.D.	#
8)	Heptachlo...	7.400	0.000	7584	0	44971.025	N.D.	#
9)	trans-Chl...	0.000	7.905	0	5843	N.D.	6778.203	#
10)	cis-Chlor...	7.613	8.030f	10711	22263	BelowCal	0.049	
11)	Endosulfa...	7.722	8.030f	3152	22263	0.019	0.219	#
12)	4,4'-DDE	7.643	8.102	30163	5171	0.164	0.046	#
13)	Dieldrin	7.881	8.256	4193	12762	0.023	0.114	#
14)	Endrin	8.065	0.000	3914	0	0.028	N.D.	#
15)	4,4'-DDD	8.092	8.519	40612	6218	0.283	0.071	#
16)	Endosulfa...	8.189	8.617	37928	4785	0.269	0.055	#
17)	4,4'-DDT	8.321f	8.750	34417	11883	0.271	0.164	
18)	Endrin Al...	8.515	8.855	5261	10416	BelowCal	BelowCal	
19)	Endosulfa...	8.807	9.046	11808	24354	0.091	0.328	#
20)	Methoxychlor	8.608	9.217	5904	26155	BelowCal	0.613	
21)	Endrin Ke...	9.004	9.451	52504	64573	0.375	0.787	#
23)	Hexachlor...	3.261	3.490	16422	15626	2844.088	1294.034	#
24)	Hexachlor...	5.855	6.245	10398	12308	BelowCal	3052.509	
25)	Oxychlordane	7.306f	7.716	16997	6067	BelowCal	24475.449	
26)	2,4'-DDE	7.400	7.874	7584	5904	5794.806	11271.824	#
27)	trans-Non...	7.613f	7.940f	10711	2399	34192.552	74602.289	#
28)	2,4'-DDD	7.782	8.256	8587	12762	BelowCal	BelowCal	
29)	2,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212114.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 15:55
Operator : MJB
Sample : A20K0482-14RE2
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC, 4,4-DDE Only
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 16:08:50 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

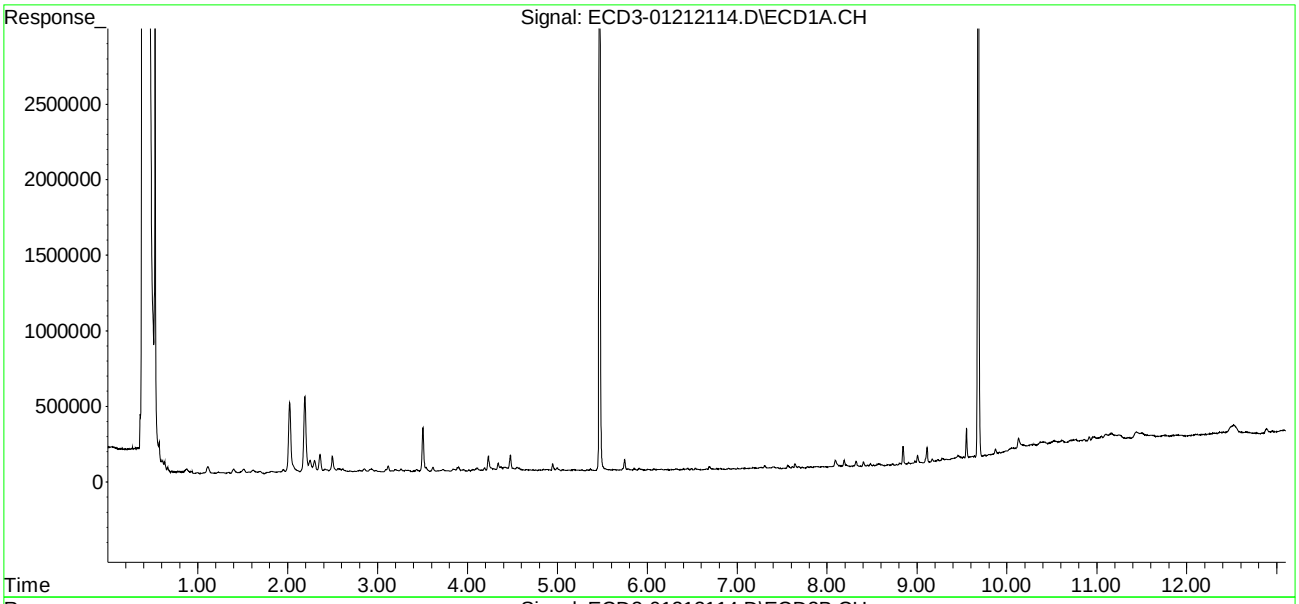
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.065	8.519	3914	6218	BelowCal	BelowCal	
31)	Mirex	8.727	9.451	10231	64573	BelowCal	0.670	
32)	Chlordane...	7.565f	7.940	20001	2399	0.982	0.179	#
33)	Chlordane...	7.643	8.030f	30163	22263	1.555	1.974	
34)	Chlordane...	8.189	8.750f	37928	11883	6.302	3.330	#
35)	Chlordane...	0.000	3.750	0	12948	N.D.	NoCal	
36)	Toxaphene...	7.613	8.256f	10711	12762	13.262	10.321	
37)	Toxaphene...	7.881f	8.655	4193	16343	0.029	11.639	#
38)	Toxaphene...	0.000	8.655	0	16343	N.D.	8.145	#
39)	Toxaphene...	8.479	8.750	13986	11883	3.973	3.570	
40)	Toxaphene...	8.727f	8.918	10231	6797	3.773	0.648	#
41)	Toxaphene...	8.770	9.291	4225	25409	1.340	12.512	#
42)	Toxaphene...	0.000	3.750	0	12948	N.D.	NoCal	

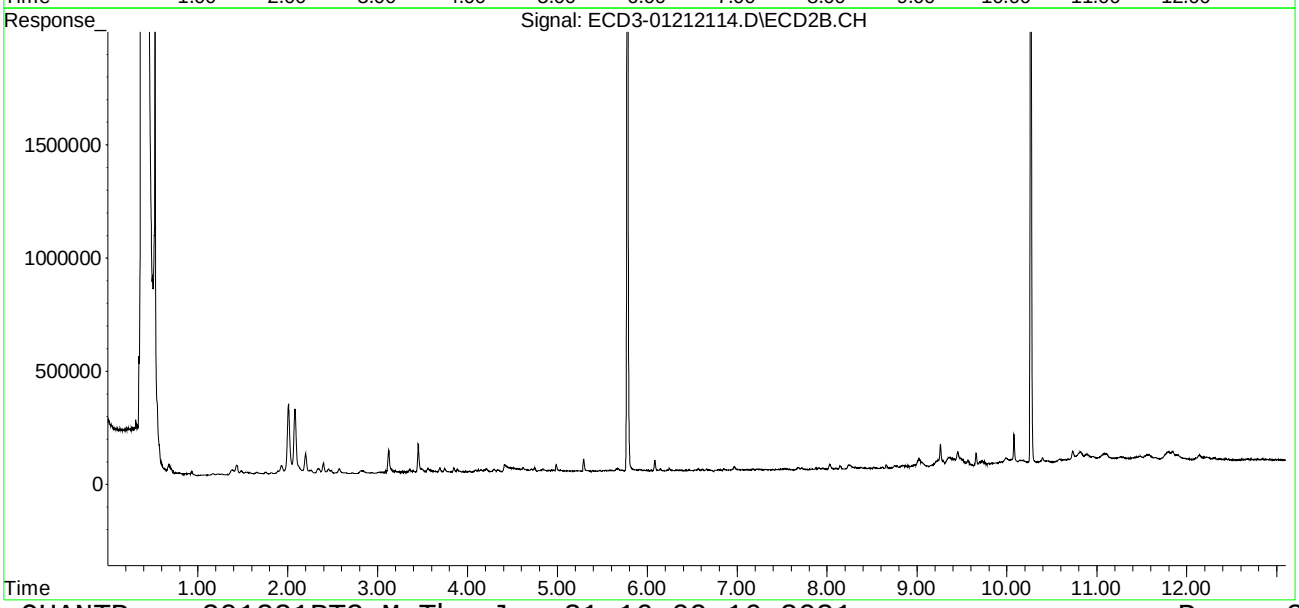
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212114.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 15:55
Operator : MJB
Sample : A20K0482-14RE2
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC, 4,4-DDE Only
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 16:08:50 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212115.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 16:12
Operator : MJB
Sample : A20K0482-18RE2
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC, 4,4-DDE Only
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 16:45:32 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.471	5.778	5397196	3445342	29.114	31.727	
22) S	DCBP (S)	9.680	10.266	5465153	2990745	49.764	49.592	
	Target Compounds							
2)	a-BHC	6.007	0.000	6800	0	0.029	N.D.	#
3)	g-BHC	0.000	6.661f	0	6144	N.D.	0.047	#
4)	b-BHC	0.000	0.000	0	0	N.D.	N.D.	
5)	Heptachlor	6.693	0.000	17471	0	0.089	N.D.	#
6)	d-BHC	6.536	6.972f	13229	13265	0.068	0.112	#
7)	Aldrin	0.000	0.000	0	0	N.D.	N.D.	
8)	Heptachlo...	7.407	0.000	6665	0	44971.030	N.D.	#
9)	trans-Chl...	7.511	7.912	8925	5520	0.048	6778.206	#
10)	cis-Chlor...	7.615	8.028	9361	15087	BelowCal	4425.504	
11)	Endosulfa...	0.000	8.028f	0	15087	N.D.	0.148	#
12)	4,4'-DDE	7.645	8.147f	33596	7439	0.182	0.066	#
13)	Dieldrin	0.000	8.257	0	4853	N.D.	0.043	#
14)	Endrin	8.088f	0.000	10898	0	0.079	N.D.	#
15)	4,4'-DDD	8.088	8.519	10898	5962	0.076	0.068	
16)	Endosulfa...	8.192	8.619	24817	4246	0.176	0.049	#
17)	4,4'-DDT	8.282	8.750	3979	6815	0.031	0.094	#
18)	Endrin Al...	8.481f	8.827f	10868	2518	BelowCal	BelowCal	
19)	Endosulfa...	8.807	9.072f	7738	3820	0.059	0.051	
20)	Methoxychlor	8.614	9.211	4795	5635	BelowCal	0.008	
21)	Endrin Ke...	9.006	9.451	23935	15163	0.171	0.185	
23)	Hexachlor...	3.262	3.493	12043	11993	2844.113	1294.063	#
24)	Hexachlor...	5.858	6.247	13226	18773	BelowCal	3052.449	
25)	Oxychlordane	0.000	7.716	0	3782	N.D.	24475.474	#
26)	2,4'-DDE	7.407	7.878	6665	5264	5794.814	11271.833	#
27)	trans-Non...	7.615f	0.000	9361	0	34192.560	N.D.	#
28)	2,4'-DDD	7.818f	8.257	3602	4853	BelowCal	BelowCal	
29)	2,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212115.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 16:12
Operator : MJB
Sample : A20K0482-18RE2
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC, 4,4-DDE Only
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 16:45:32 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

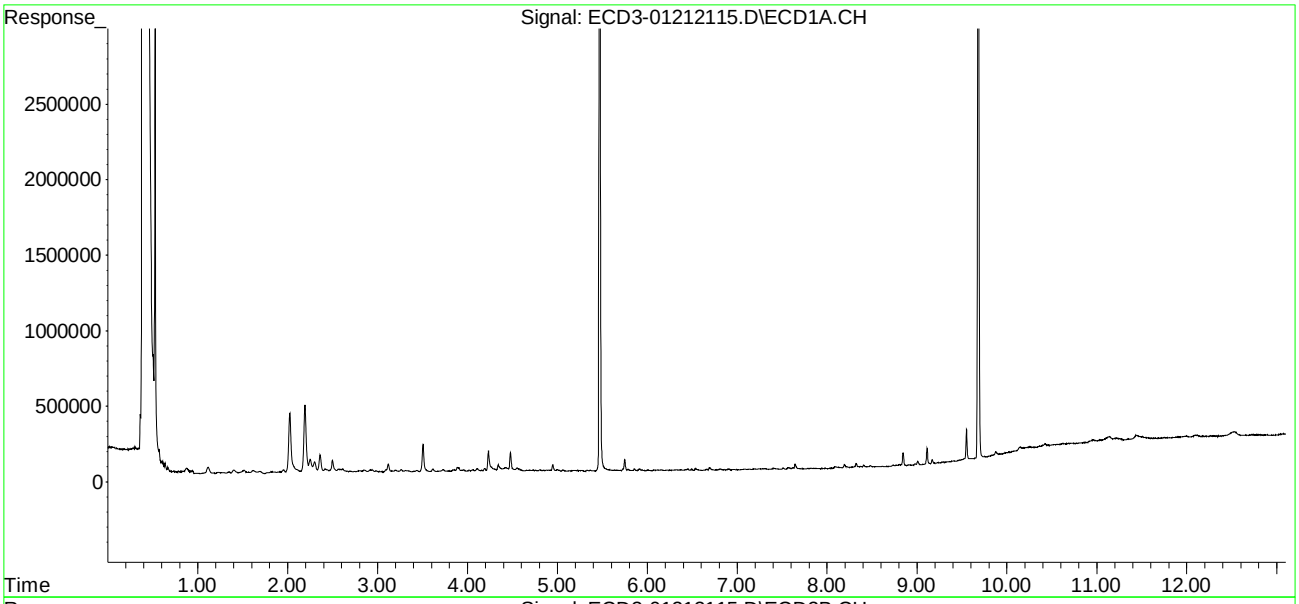
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.088	8.519	10898	5962	BelowCal	BelowCal	
31)	Mirex	8.731	9.451	9782	15163	BelowCal	14371.843	
32)	Chlordane...	7.568f	0.000	10751	0	0.528	N.D.	#
33)	Chlordane...	7.645	8.028f	33596	15087	1.732	1.337	
34)	Chlordane...	8.192	8.750f	24817	6815	4.123	1.910	#
35)	Chlordane...	0.000	3.749	0	14670	N.D.	NoCal	
36)	Toxaphene...	7.615	8.287	9361	2055	11.590	1.662	#
37)	Toxaphene...	0.000	8.619	0	4246	N.D.	3.024	#
38)	Toxaphene...	8.268f	8.658	4100	8938	1.209	4.454	#
39)	Toxaphene...	8.481	8.750	10868	6815	3.087	2.048	
40)	Toxaphene...	8.731f	0.000	9782	0	3.608	N.D.	#
41)	Toxaphene...	8.770	9.294	7787	11788	2.469	5.805	#
42)	Toxaphene...	0.000	3.749	0	14670	N.D.	NoCal	

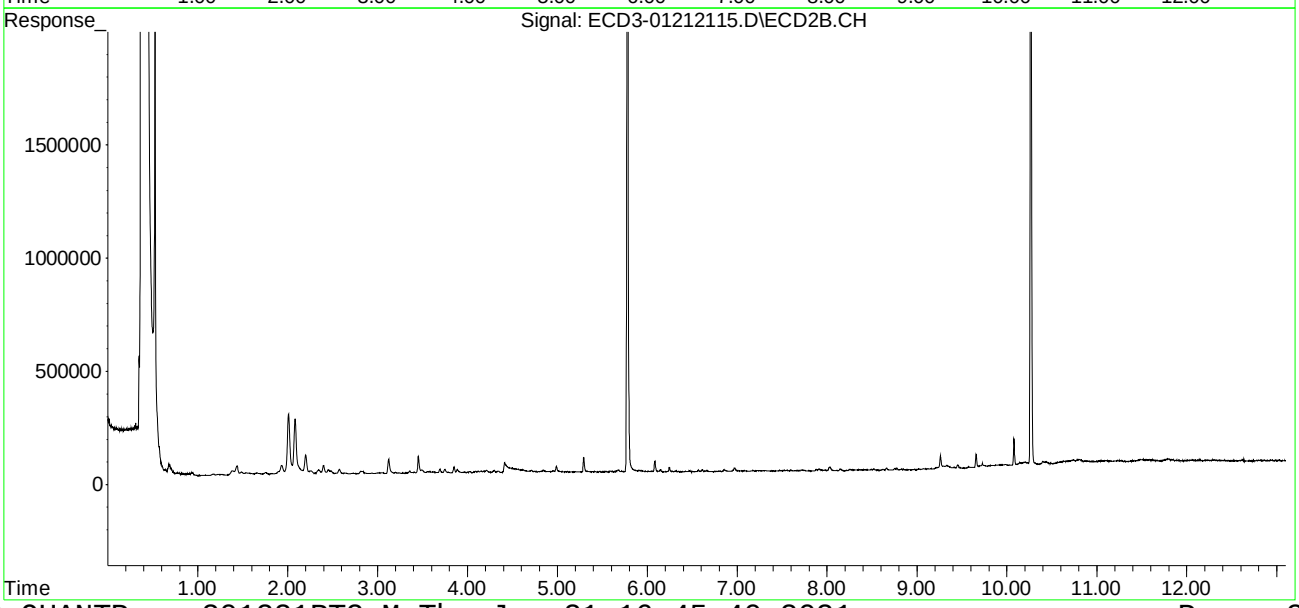
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212115.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 16:12
Operator : MJB
Sample : A20K0482-18RE2
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC, 4,4-DDE Only
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 16:45:32 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

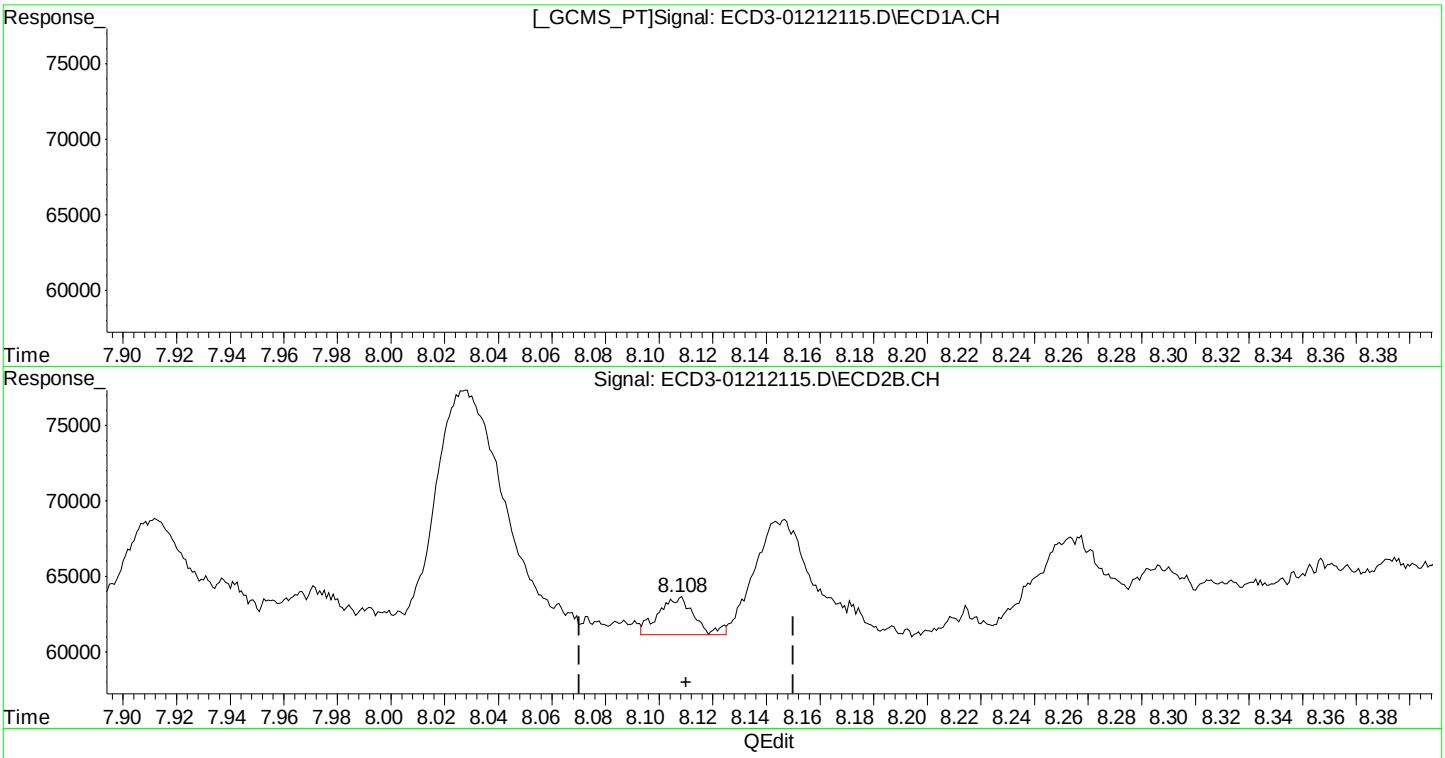




Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212115.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 16:12
Operator : MJB
Sample : A20K0482-18RE2
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC, 4,4-DDE Only
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 16:45:32 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(12) 4,4'-DDE
7.645min 0.182 ng/mL
response 33596

(12) 4,4'-DDE #2
8.108min 0.023 ng/mL m
response 2551

(+) = Expected Retention Time

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212115.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 16:12
Operator : MJB
Sample : A20K0482-18RE2
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC, 4,4-DDE Only
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 1/21/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 16:45:57 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.471	5.778	5397196	3445342	29.114	31.727	
22) S	DCBP (S)	9.680	10.266	5465153	2990745	49.764	49.592	
	Target Compounds							
2)	a-BHC	6.007	0.000	6800	0	0.029	N.D.	#
3)	g-BHC	0.000	6.661f	0	6144	N.D.	0.047	#
4)	b-BHC	0.000	0.000	0	0	N.D.	N.D.	
5)	Heptachlor	6.693	0.000	17471	0	0.089	N.D.	#
6)	d-BHC	6.536	6.972f	13229	13265	0.068	0.112	#
7)	Aldrin	0.000	0.000	0	0	N.D.	N.D.	
8)	Heptachlo...	7.407	0.000	6665	0	44971.030	N.D.	#
9)	trans-Chl...	7.511	7.912	8925	5520	0.048	6778.206	#
10)	cis-Chlor...	7.615	8.028	9361	15087	BelowCal	4425.504	
11)	Endosulfa...	0.000	8.028f	0	15087	N.D.	0.148	#
12)	4,4'-DDE	7.645	8.108	33596	2551	0.182	0.023m	#
13)	Dieldrin	0.000	8.257	0	4853	N.D.	0.043	#
14)	Endrin	8.088f	0.000	10898	0	0.079	N.D.	#
15)	4,4'-DDD	8.088	8.519	10898	5962	0.076	0.068	
16)	Endosulfa...	8.192	8.619	24817	4246	0.176	0.049	#
17)	4,4'-DDT	8.282	8.750	3979	6815	0.031	0.094	#
18)	Endrin Al...	8.481f	8.827f	10868	2518	BelowCal	BelowCal	
19)	Endosulfa...	8.807	9.072f	7738	3820	0.059	0.051	
20)	Methoxychlor	8.614	9.211	4795	5635	BelowCal	0.008	
21)	Endrin Ke...	9.006	9.451	23935	15163	0.171	0.185	
23)	Hexachlor...	3.262	3.493	12043	11993	2844.113	1294.063	#
24)	Hexachlor...	5.858	6.247	13226	18773	BelowCal	3052.449	
25)	Oxychlordane	0.000	7.716	0	3782	N.D.	24475.474	#
26)	2,4'-DDE	7.407	7.878	6665	5264	5794.814	11271.833	#
27)	trans-Non...	7.615f	0.000	9361	0	34192.560	N.D.	#
28)	2,4'-DDD	7.818f	8.257	3602	4853	BelowCal	BelowCal	
29)	2,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212115.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 16:12
Operator : MJB
Sample : A20K0482-18RE2
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC, 4,4-DDE Only
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 16:45:57 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

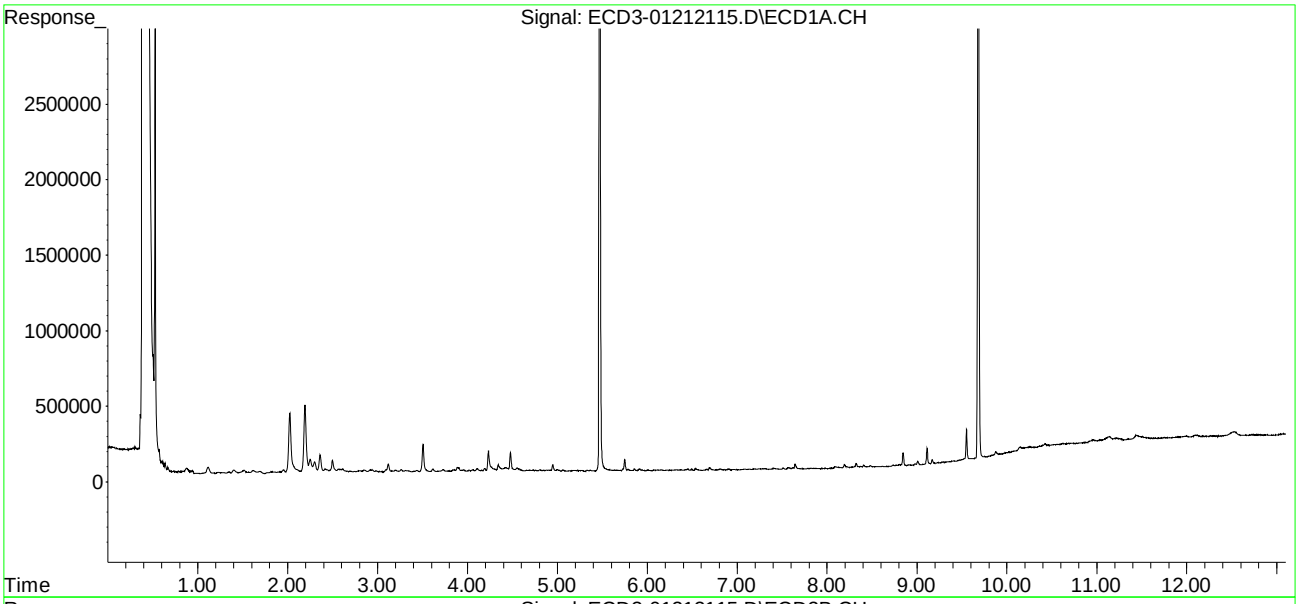
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.088	8.519	10898	5962	BelowCal	BelowCal	
31)	Mirex	8.731	9.451	9782	15163	BelowCal	14371.843	
32)	Chlordane...	7.568f	0.000	10751	0	0.528	N.D.	#
33)	Chlordane...	7.645	8.028f	33596	15087	1.732	1.337	
34)	Chlordane...	8.192	8.750f	24817	6815	4.123	1.910	#
35)	Chlordane...	0.000	3.749	0	14670	N.D.	NoCal	
36)	Toxaphene...	7.615	8.287	9361	2055	11.590	1.662	#
37)	Toxaphene...	0.000	8.619	0	4246	N.D.	3.024	#
38)	Toxaphene...	8.268f	8.658	4100	8938	1.209	4.454	#
39)	Toxaphene...	8.481	8.750	10868	6815	3.087	2.048	
40)	Toxaphene...	8.731f	0.000	9782	0	3.608	N.D.	#
41)	Toxaphene...	8.770	9.294	7787	11788	2.469	5.805	#
42)	Toxaphene...	0.000	3.749	0	14670	N.D.	NoCal	

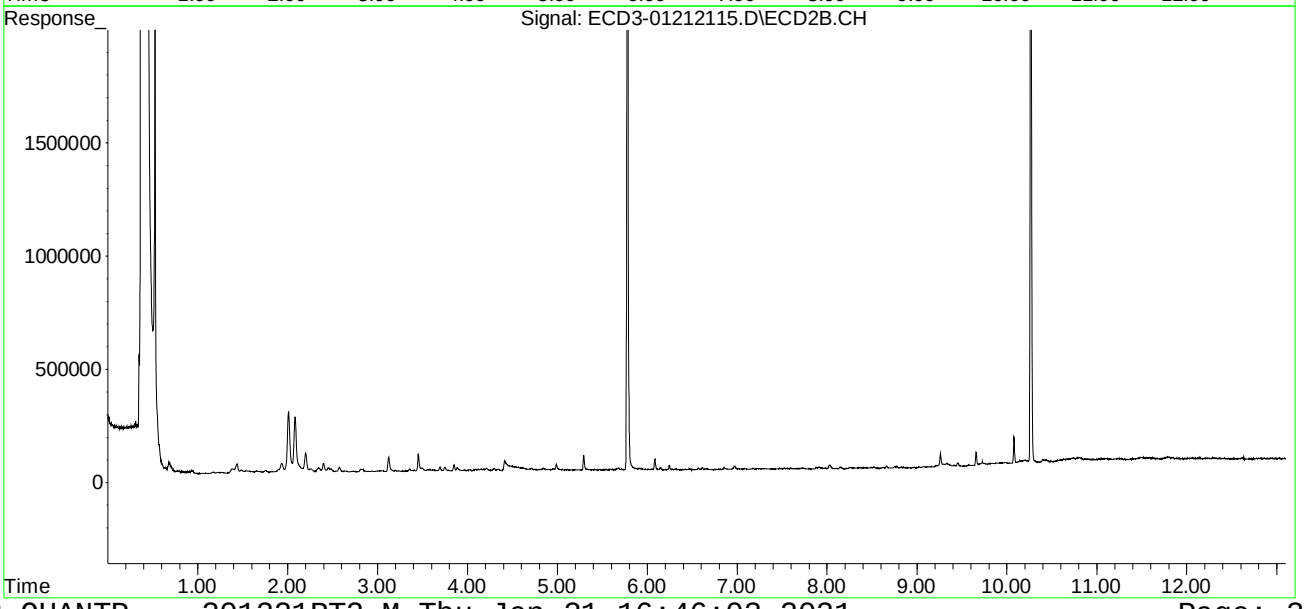
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212115.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 16:12
Operator : MJB
Sample : A20K0482-18RE2
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC, 4,4-DDE Only
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 16:45:57 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212116.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 16:29
Operator : MJB MJB 1/21/21
Sample : A20K0482-19RE2
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC, 4,4-DDE Only
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 16:46:40 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.471	5.779	5402496	3830570	29.142	35.329	
22)	S DCBP (S)	9.680	10.267	5349812	2987423	48.697	49.536	
	Target Compounds							
2)	a-BHC	6.007	6.345f	6299	5167	0.026	0.035	
3)	g-BHC	6.316	6.683	7931	11233	0.038	0.086	#
4)	b-BHC	6.394	0.000	16140	0	9544.912	N.D.	#
5)	Heptachlor	6.693	0.000	26892	0	0.137	N.D.	#
6)	d-BHC	6.536	6.970f	6559	19869	0.034	0.168	#
7)	Aldrin	0.000	0.000	0	0	N.D.	N.D.	
8)	Heptachlo...	7.407	0.000	9435	0	44971.014	N.D.	#
9)	trans-Chl...	0.000	7.909	0	11926	N.D.	6778.148	#
10)	cis-Chlor...	7.613	8.030f	11624	35080	BelowCal	0.173	
11)	Endosulfa...	0.000	8.079f	0	4914	N.D.	0.048	#
12)	4,4'-DDE	7.645	8.107	32599	11992	0.177	0.106	
13)	Dieldrin	7.873	8.258	9710	12644	0.053	0.113	#
14)	Endrin	0.000	8.493	0	6560	N.D.	0.081	#
15)	4,4'-DDD	8.090	8.521	25268	13670	0.176	0.156	
16)	Endosulfa...	8.211	8.624	14965	9356	0.106	0.107	
17)	4,4'-DDT	8.284	8.750	8463	12193	0.067	0.169	#
18)	Endrin Al...	8.518	8.824f	3851	9242	BelowCal	BelowCal	
19)	Endosulfa...	8.801	9.073f	2342	4440	0.018	0.060	#
20)	Methoxychlor	8.616	9.209	6130	3476	BelowCal	BelowCal	
21)	Endrin Ke...	9.006	9.450	39107	22378	0.279	0.273	
23)	Hexachlor...	3.261	3.491	16854	13735	2844.086	1294.049	#
24)	Hexachlor...	5.858	6.247	11290	104374	BelowCal	0.715	
25)	Oxychlordane	0.000	7.715	0	5680	N.D.	24475.453	#
26)	2,4'-DDE	7.407	7.875	9435	13149	5794.789	11271.723	#
27)	trans-Non...	7.613f	7.964	11624	11688	34192.547	74602.197	#
28)	2,4'-DDD	7.784	8.258	9434	12644	BelowCal	BelowCal	
29)	2,4'-DDT	0.000	8.493	0	6560	N.D.	BelowCal	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212116.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 16:29
Operator : MJB
Sample : A20K0482-19RE2
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC, 4,4-DDE Only
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 16:46:40 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

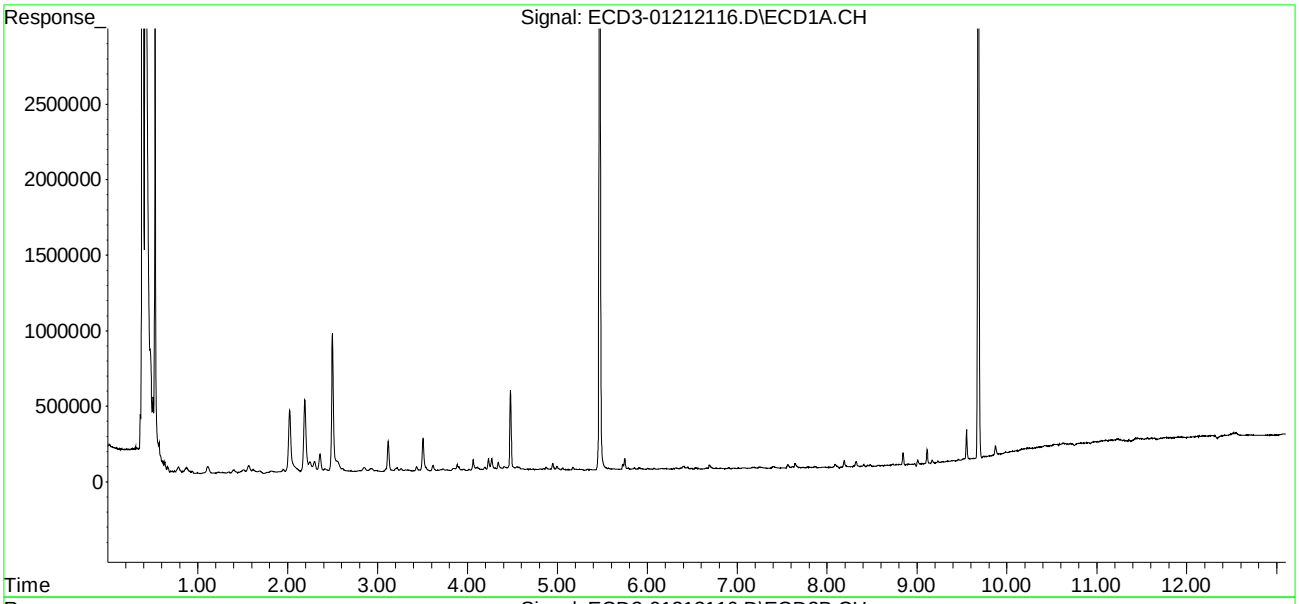
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.090f	8.521	25268	13670	BelowCal	BelowCal	
31)	Mirex	8.730	9.450	9225	22378	BelowCal	14371.728	
32)	Chlordane...	7.564f	7.964	24466	11688	1.201	0.874	
33)	Chlordane...	7.645	8.079	32599	4914	1.681	0.436	#
34)	Chlordane...	8.190	8.710	47740	6814	7.932	1.910	#
35)	Chlordane...	0.000	3.747	0	11313	N.D.	NoCal	
36)	Toxaphene...	7.613	8.288	11624	7297	14.393	5.901	#
37)	Toxaphene...	0.000	8.624	0	9356	N.D.	6.663	#
38)	Toxaphene...	8.211f	8.676	14965	9442	4.412	4.706	
39)	Toxaphene...	8.477	8.734	15228	7287	4.326	2.189	#
40)	Toxaphene...	8.702	0.000	3078	0	1.135	N.D.	#
41)	Toxaphene...	8.772	9.290	3255	2452	1.032	1.208	
42)	Toxaphene...	0.000	3.747	0	11313	N.D.	NoCal	

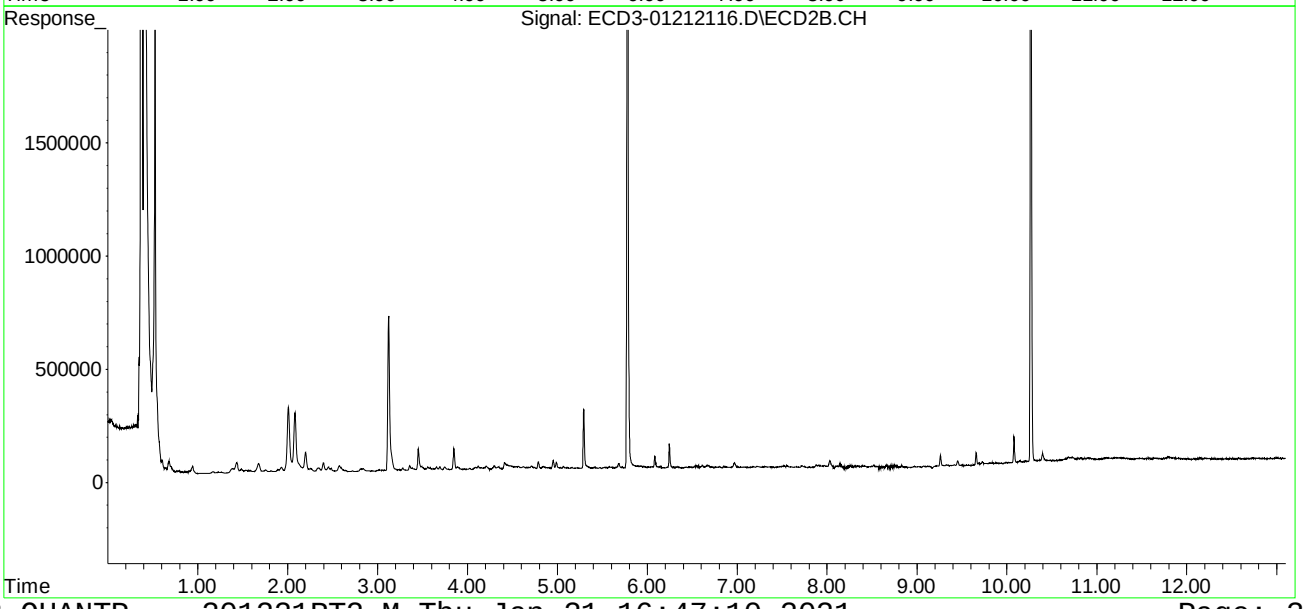
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212116.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 16:29
Operator : MJB
Sample : A20K0482-19RE2
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC, 4,4-DDE Only
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 16:46:40 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212117.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 16:46
Operator : MJB
Sample : A20K0482-20RE2
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC, 4,4-DDE Only
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 17:22:03 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.470	5.778	5637843	3573367	30.412	32.923	
22) S	DCBP (S)	9.679	10.265	5275067	2976939	48.006	49.358	
	Target Compounds							
2)	a-BHC	6.029	0.000	5002	0	0.021	N.D.	#
3)	g-BHC	6.320	6.661f	6817	7425	0.033	0.057	#
4)	b-BHC	6.371	6.796f	6496	4496	9545.020	2944.394	#
5)	Heptachlor	6.692	0.000	19073	0	0.098	N.D.	#
6)	d-BHC	6.536	0.000	8272	0	0.042	N.D.	#
7)	Aldrin	6.951	0.000	2113	0	0.010	N.D.	#
8)	Heptachlo...	7.405	7.748	7187	3677	44971.027	3530.582	#
9)	trans-Chl...	0.000	7.910	0	5436	N.D.	6778.207	#
10)	cis-Chlor...	7.614	8.031f	10778	26222	BelowCal	0.087	
11)	Endosulfa...	0.000	8.031f	0	26222	N.D.	0.258	#
12)	4,4'-DDE	7.644	8.143f	21133	16189	0.115	0.144	
13)	Dieldrin	7.862	8.246	2550	3214	0.014	0.029	#
14)	Endrin	0.000	0.000	0	0	N.D.	N.D.	
15)	4,4'-DDD	8.099	0.000	7558	0	0.053	N.D.	#
16)	Endosulfa...	8.189	8.619	49551	5067	0.351	0.058	#
17)	4,4'-DDT	8.321f	8.749	44825	13458	0.353	0.186	#
18)	Endrin Al...	8.516	8.849	6654	8697	BelowCal	BelowCal	
19)	Endosulfa...	8.799	9.073f	6187	3982	0.047	0.054	
20)	Methoxychlor	8.584f	9.210	7715	3685	BelowCal	BelowCal	
21)	Endrin Ke...	9.004	9.449	43433	29301	0.310	0.357	
23)	Hexachlor...	3.262	3.493	17929	12428	2844.079	1294.060	#
24)	Hexachlor...	5.856	6.246	14832	44990	BelowCal	0.159	
25)	Oxychlordane	0.000	7.715	0	4883	N.D.	24475.462	#
26)	2,4'-DDE	7.405	7.877	7187	6803	5794.809	11271.812	#
27)	trans-Non...	7.614f	0.000	10778	0	34192.552	N.D.	#
28)	2,4'-DDD	0.000	8.246	0	3214	N.D.	BelowCal	
29)	2,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212117.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 16:46
Operator : MJB
Sample : A20K0482-20RE2
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC, 4,4-DDE Only
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 17:22:03 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

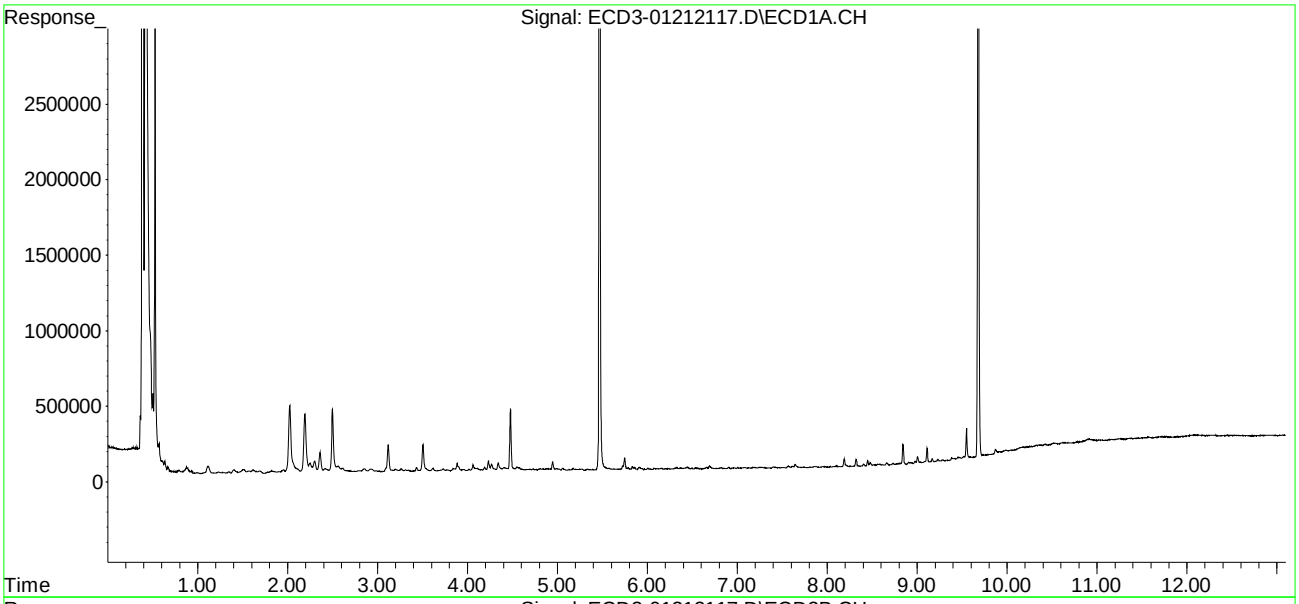
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.099f	0.000	7558	0	BelowCal	N.D.	
31)	Mirex	8.731	9.449	10433	29301	BelowCal	0.104	
32)	Chlordane...	7.566f	0.000	13136	0	0.645	N.D.	#
33)	Chlordane...	7.644	8.031f	21133	26222	1.089	2.325	#
34)	Chlordane...	8.189	8.749f	49551	13458	8.233	3.772	#
35)	Chlordane...	3.770f	3.747	6258	10471	NoCal	NoCal	
36)	Toxaphene...	7.614	0.000	10778	0	13.344	N.D.	#
37)	Toxaphene...	0.000	8.619	0	5067	N.D.	3.608	#
38)	Toxaphene...	0.000	8.656	0	9374	N.D.	4.672	#
39)	Toxaphene...	8.478	8.749	21258	13458	6.039	4.043	
40)	Toxaphene...	8.731f	8.903	10433	5899	3.848	0.182	#
41)	Toxaphene...	8.773	9.291	5404	4253	1.714	2.094	
42)	Toxaphene...	3.770f	3.747	6258	10471	NoCal	NoCal	

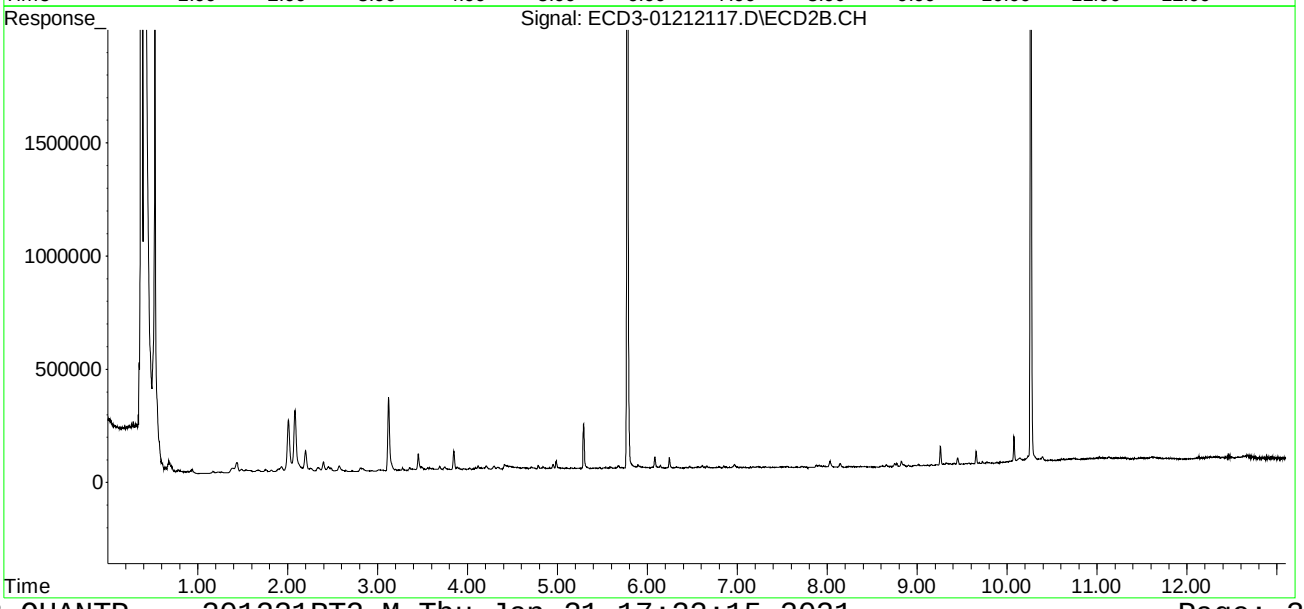
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212117.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 16:46
Operator : MJB
Sample : A20K0482-20RE2
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC, 4,4-DDE Only
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 17:22:03 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

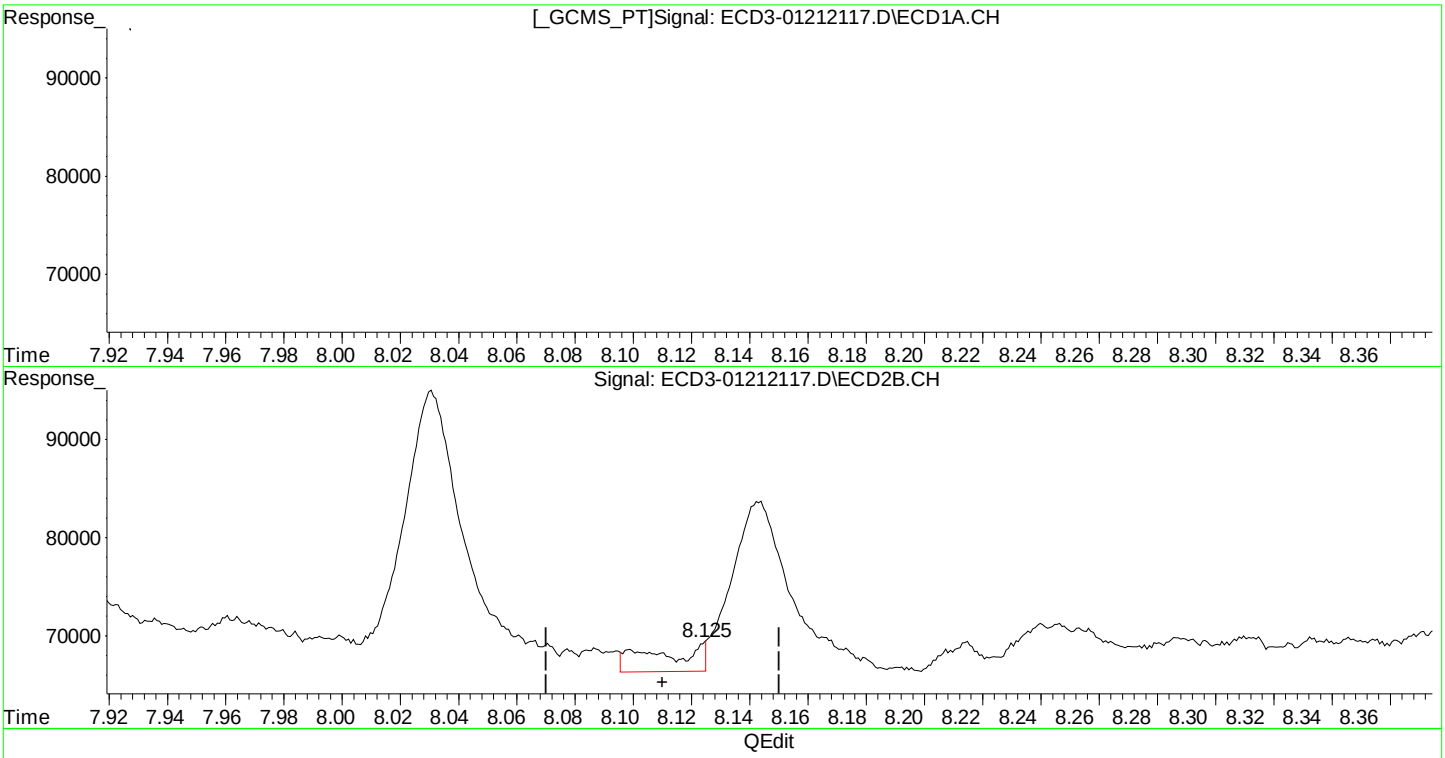




Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212117.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 16:46
Operator : MJB
Sample : A20K0482-20RE2
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC, 4,4-DDE Only
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 17:22:03 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(12) 4,4'-DDE
7.644min 0.115 ng/mL
response 21133

(12) 4,4'-DDE #2
8.125min 0.027 ng/mL m
response 3056

(+) = Expected Retention Time

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212117.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 16:46
Operator : MJB
Sample : A20K0482-20RE2
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC, 4,4-DDE Only
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 1/21/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 17:22:36 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.470	5.778	5637843	3573367	30.412	32.923	
22)	S DCBP (S)	9.679	10.265	5275067	2976939	48.006	49.358	
	Target Compounds							
2)	a-BHC	6.029	0.000	5002	0	0.021	N.D.	#
3)	g-BHC	6.320	6.661f	6817	7425	0.033	0.057	#
4)	b-BHC	6.371	6.796f	6496	4496	9545.020	2944.394	#
5)	Heptachlor	6.692	0.000	19073	0	0.098	N.D.	#
6)	d-BHC	6.536	0.000	8272	0	0.042	N.D.	#
7)	Aldrin	6.951	0.000	2113	0	0.010	N.D.	#
8)	Heptachlo...	7.405	7.748	7187	3677	44971.027	3530.582	#
9)	trans-Chl...	0.000	7.910	0	5436	N.D.	6778.207	#
10)	cis-Chlor...	7.614	8.031f	10778	26222	BelowCal	0.087	
11)	Endosulfa...	0.000	8.031f	0	26222	N.D.	0.258	#
12)	4,4'-DDE	7.644	8.125	21133	3056	0.115	0.027m	#
13)	Dieldrin	7.862	8.246	2550	3214	0.014	0.029	#
14)	Endrin	0.000	0.000	0	0	N.D.	N.D.	
15)	4,4'-DDD	8.099	0.000	7558	0	0.053	N.D.	#
16)	Endosulfa...	8.189	8.619	49551	5067	0.351	0.058	#
17)	4,4'-DDT	8.321f	8.749	44825	13458	0.353	0.186	#
18)	Endrin Al...	8.516	8.849	6654	8697	BelowCal	BelowCal	
19)	Endosulfa...	8.799	9.073f	6187	3982	0.047	0.054	
20)	Methoxychlor	8.584f	9.210	7715	3685	BelowCal	BelowCal	
21)	Endrin Ke...	9.004	9.449	43433	29301	0.310	0.357	
23)	Hexachlor...	3.262	3.493	17929	12428	2844.079	1294.060	#
24)	Hexachlor...	5.856	6.246	14832	44990	BelowCal	0.159	
25)	Oxychlordane	0.000	7.715	0	4883	N.D.	24475.462	#
26)	2,4'-DDE	7.405	7.877	7187	6803	5794.809	11271.812	#
27)	trans-Non...	7.614f	0.000	10778	0	34192.552	N.D.	#
28)	2,4'-DDD	0.000	8.246	0	3214	N.D.	BelowCal	
29)	2,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212117.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 16:46
Operator : MJB
Sample : A20K0482-20RE2
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC, 4,4-DDE Only
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 17:22:36 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

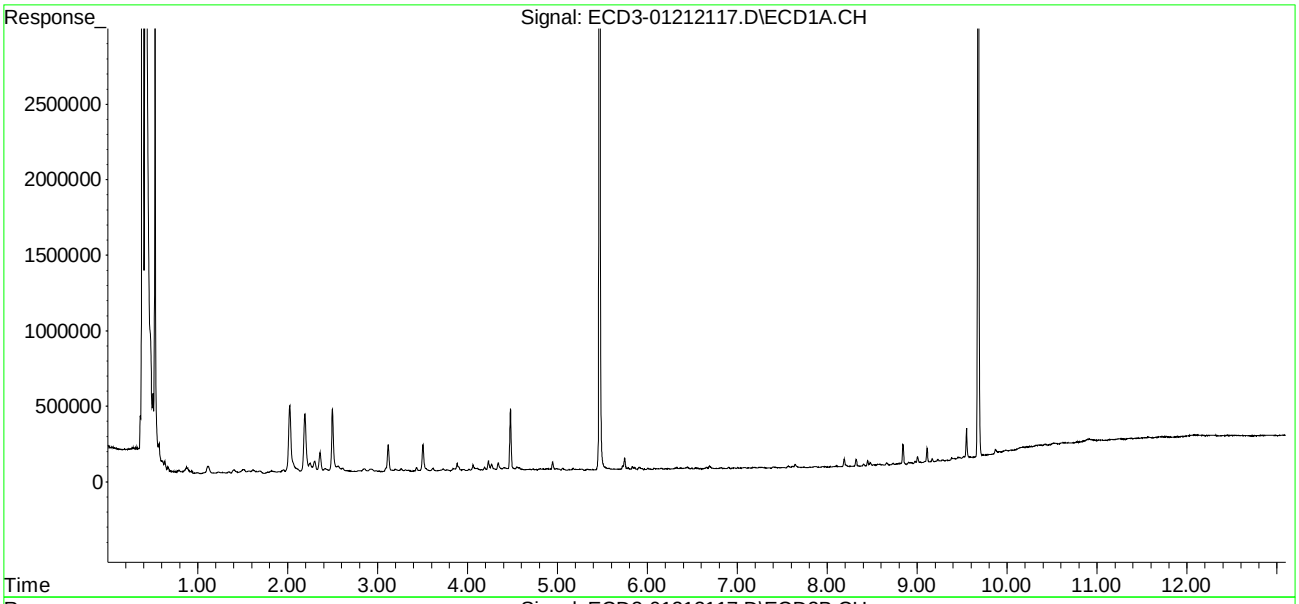
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.099f	0.000	7558	0	BelowCal	N.D.	
31)	Mirex	8.731	9.449	10433	29301	BelowCal	0.104	
32)	Chlordane...	7.566f	0.000	13136	0	0.645	N.D.	#
33)	Chlordane...	7.644	8.031f	21133	26222	1.089	2.325	#
34)	Chlordane...	8.189	8.749f	49551	13458	8.233	3.772	#
35)	Chlordane...	3.770f	3.747	6258	10471	NoCal	NoCal	
36)	Toxaphene...	7.614	0.000	10778	0	13.344	N.D.	#
37)	Toxaphene...	0.000	8.619	0	5067	N.D.	3.608	#
38)	Toxaphene...	0.000	8.656	0	9374	N.D.	4.672	#
39)	Toxaphene...	8.478	8.749	21258	13458	6.039	4.043	
40)	Toxaphene...	8.731f	8.903	10433	5899	3.848	0.182	#
41)	Toxaphene...	8.773	9.291	5404	4253	1.714	2.094	
42)	Toxaphene...	3.770f	3.747	6258	10471	NoCal	NoCal	

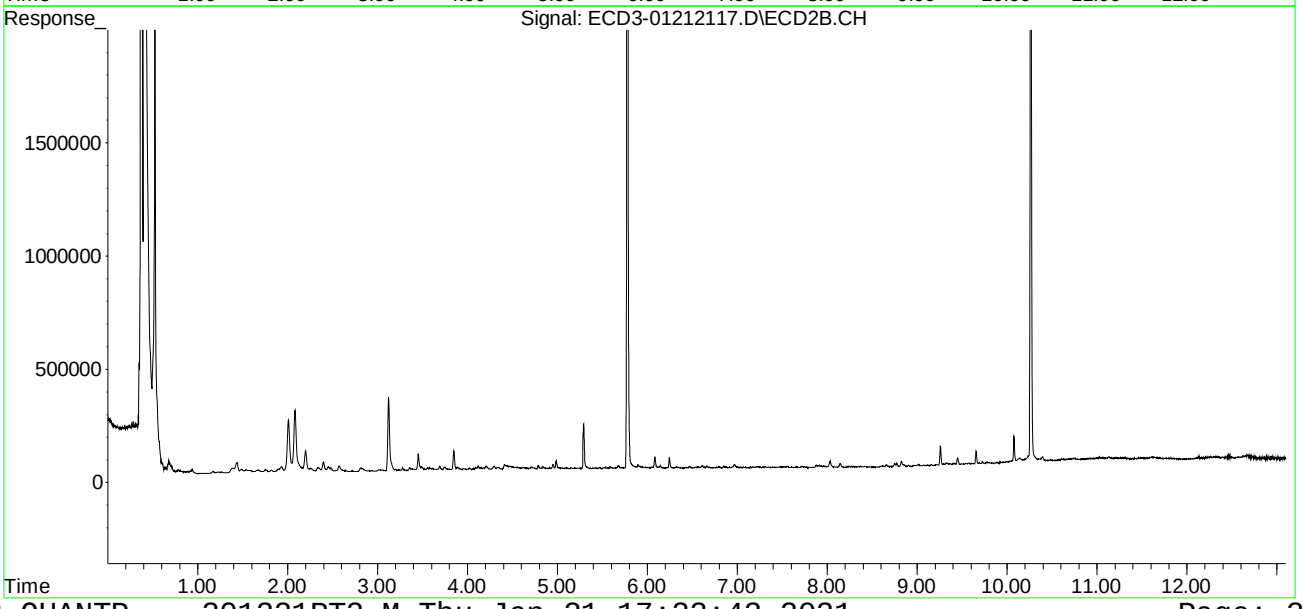
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212117.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 16:46
Operator : MJB
Sample : A20K0482-20RE2
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC, 4,4-DDE Only
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 17:22:36 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212118.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 17:03
Operator : MJB
Sample : 1A21053-CCV3 MJB 1/21/21
Misc : A20L217, AB 100 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 17:23:22 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.471	5.779	16662815	10124021	89.883	95.293	
22) S	DCBP (S)	9.681	10.267	11375952	6464416	105.205	109.887	
	Target Compounds							
2)	a-BHC	6.021	6.371	23573497	14327455	99.068	96.809	
3)	g-BHC	6.306	6.685	20572316	12509034	98.439	96.192	
4)	b-BHC	6.385	6.753	7981598	5275823	90.170	95.714	
5)	Heptachlor	6.704	7.058	19643590	12170168	100.436	100.030	
6)	d-BHC	6.536	7.000	17615680	11562506	90.191	97.915	
7)	Aldrin	6.945	7.319	19345226	11986561	95.453	95.919	
8)	Heptachlo...	7.414	7.754	17226213	10849333	101.023	102.944	
9)	trans-Chl...	7.506	7.894	17989381	10913682	96.387	100.989	
10)	cis-Chlor...	7.604	8.001	17331984	10485141	101.010	102.848	
11)	Endosulfa...	7.706	8.048	16070972	10016135	97.466	98.454	
12)	4,4'-DDE	7.659	8.109	17369229	10464374	94.217	92.895	
13)	Dieldrin	7.880	8.246	18406887	11202889	100.043	99.994	
14)	Endrin	8.048	8.467	15226877	9156309	110.874	112.429	
15)	4,4'-DDD	8.088	8.521	14339846	8974223	99.981	102.163	
16)	Endosulfa...	8.209	8.614	13816615	8767143	97.847	100.718	
17)	4,4'-DDT	8.283	8.744	12325739	7332229	97.184	101.367	
18)	Endrin Al...	8.504	8.849	11914060	7371085	100.812	105.425	
19)	Endosulfa...	8.809	9.044	13674410	8308051	104.889	111.989	
20)	Methoxychlor	8.615	9.211	5303579	3293453	88.618	91.654	
21)	Endrin Ke...	9.009	9.429	15204526	8773307	108.561	106.936	
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)	Hexachlor...	5.858	0.000	35732	0	BelowCal	N.D.	
25)	Oxychlordane	7.347	7.668f	84878	5723	0.358	24475.453	#
26)	2,4'-DDE	7.414	7.894	17226213	10913682	156.918	155.140	
27)	trans-Non...	7.604	7.958	17331984	40409	104.108	0.148	#
28)	2,4'-DDD	0.000	8.246	0	11202889	N.D.	182.577	#
29)	2,4'-DDT	7.964	8.467	58361	9156309	0.439	148.757	#

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212118.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 17:03
Operator : MJB
Sample : 1A21053-CCV3
Misc : A20L217, AB 100 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 17:23:22 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

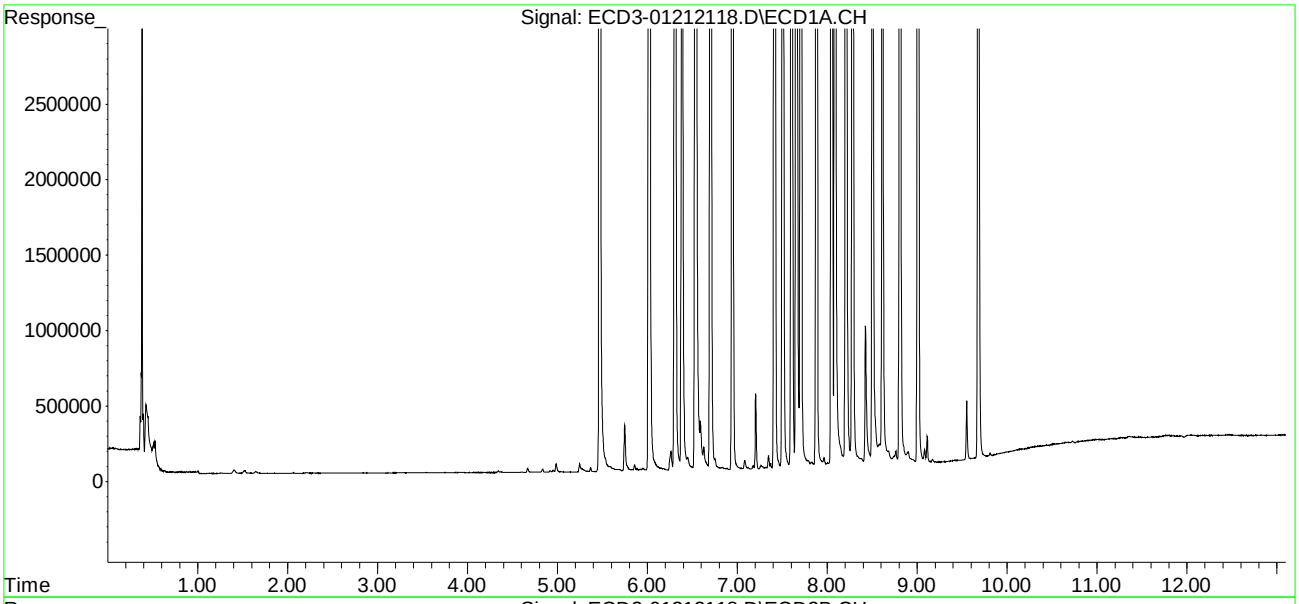
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.088	8.521	14339846	8974223	80.050	83.906	
31)	Mirex	8.744	9.429	50734	8773307	0.125	141.674	#
32)	Chlordane...	7.506f	7.958	17989381	40409	883.424	3.022	#
33)	Chlordane...	7.659f	8.048	17369229	10016135	895.384	887.946	
34)	Chlordane...	8.209	8.697	13816615	50436	2295.642	14.135	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.604	0.000	17331984	0	21459.682	N.D.	#
37)	Toxaphene...	7.880f	8.614f	18406887	8767143	BelowCal	6243.607	
38)	Toxaphene...	8.209f	8.697f	13816615	50436	4073.522	25.136	#
39)	Toxaphene...	8.504f	8.744	11914060	7332229	3384.518	2202.784	
40)	Toxaphene...	8.681f	8.925	87093	722409	32.119	370.396	#
41)	Toxaphene...	8.762	9.297	82644	37335	26.208	18.385	
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

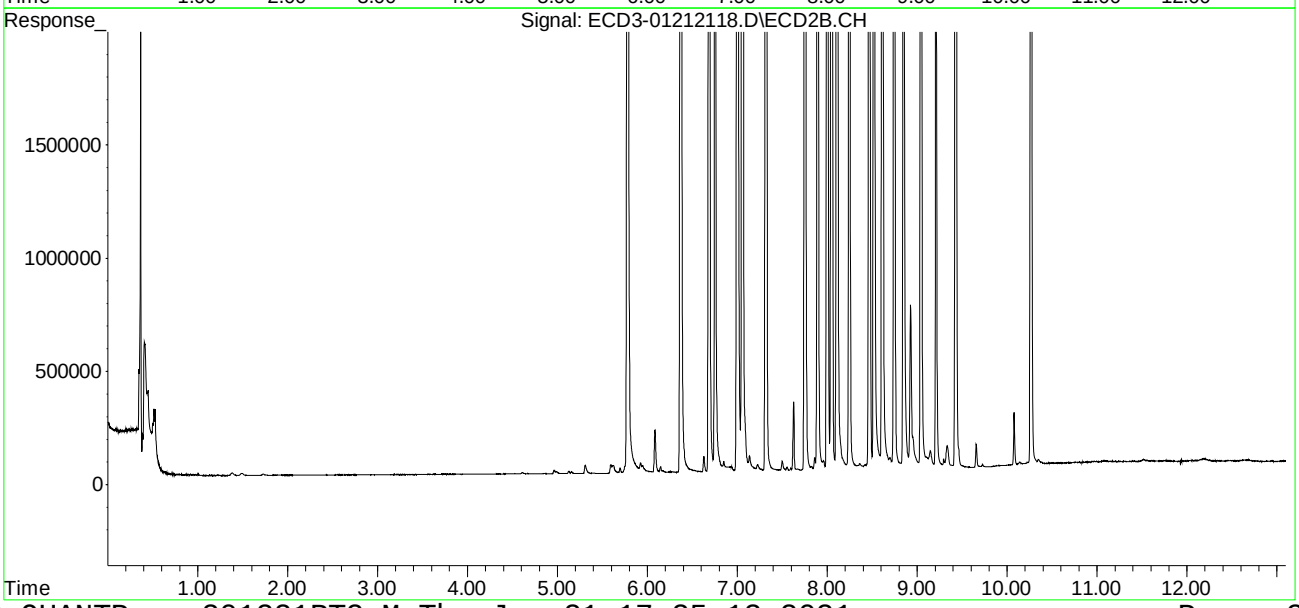
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212118.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 17:03
Operator : MJB
Sample : 1A21053-CCV3
Misc : A20L217, AB 100 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 17:23:22 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212119.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 17:21
Operator : MJB
Sample : 1A21053-CCV4 MJB 1/21/21
Misc : A21A188, 9-42 100 ppb
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 17:35:20 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.442f	5.815f	129123	81363	0.697	0.583	
22) S	DCBP (S)	9.687	10.268	4142	10836	4158.028	2751.129	
	Target Compounds							
2)	a-BHC	0.000	6.387	0	12250	N.D.	0.083	#
3)	g-BHC	0.000	0.000	0	0	N.D.	N.D.	
4)	b-BHC	0.000	0.000	0	0	N.D.	N.D.	
5)	Heptachlor	6.704	7.058	44996	29468	0.230	0.242	
6)	d-BHC	0.000	0.000	0	0	N.D.	N.D.	
7)	Aldrin	0.000	0.000	0	0	N.D.	N.D.	
8)	Heptachlo...	7.407	7.794f	10785276	47349	63.140	0.305	#
9)	trans-Chl...	7.504	7.884	36514	6883635	0.196	63.280	#
10)	cis-Chlor...	7.590	8.046f	17205454	19687	100.282	0.025	#
11)	Endosulfa...	7.687f	8.046	39466	19687	0.239	0.194	
12)	4,4'-DDE	7.687f	0.000	39466	0	0.214	N.D.	#
13)	Dieldrin	7.856f	8.255	119697	6025882	0.651	53.786	#
14)	Endrin	8.068	8.476	18443803	5726642	134.298	70.317	#
15)	4,4'-DDD	8.068f	8.518	18443803	11134694	128.595	126.757	
16)	Endosulfa...	8.219	0.000	9867	0	0.070	N.D.	#
17)	4,4'-DDT	8.258f	0.000	5818	0	0.046	N.D.	#
18)	Endrin Al...	8.501	8.860	16655	10551	BelowCal	BelowCal	
19)	Endosulfa...	8.783f	9.045	57794	2356	0.443	0.032	#
20)	Methoxychlor	0.000	9.223	0	4774	N.D.	BelowCal	
21)	Endrin Ke...	0.000	9.418	0	6635569	N.D.	80.880	#
23)	Hexachlor...	3.263	3.492	18092869	12162821	108.264	108.387	
24)	Hexachlor...	5.857	6.241	16114939	9704949	94.334	93.426	
25)	Oxychlordane	7.337	7.686	15405797	9654555	105.255	107.087	
26)	2,4'-DDE	7.407	7.884	10785276	6883635	97.134	97.260	
27)	trans-Non...	7.590	7.962	17205454	10511437	103.345	104.343	
28)	2,4'-DDD	7.785	8.255	9497475	6025882	94.411	98.199	
29)	2,4'-DDT	7.965	8.476	9055687	5726642	91.358	97.146	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212119.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 17:21
Operator : MJB
Sample : 1A21053-CCV4
Misc : A21A188, 9-42 100 ppb
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 17:35:20 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

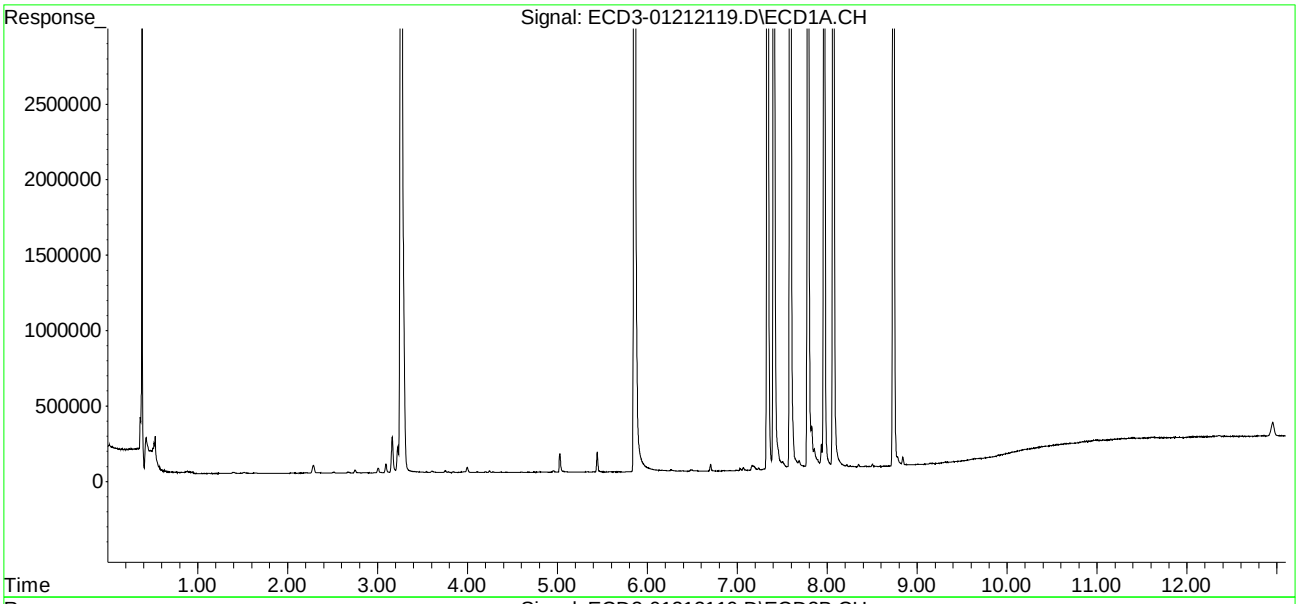
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.068	8.518	18443803	11134694	102.428	103.912	
31)	Mirex	8.736	9.418	11220559	6635569	106.155	106.802	
32)	Chlordane...	7.504f	7.962	36514	10511437	1.793	786.013	#
33)	Chlordane...	0.000	8.068	0	30500	N.D.	2.704	#
34)	Chlordane...	8.219f	0.000	9867	0	1.639	N.D.	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.590f	8.255f	17205454	6025882	21303.019	4873.063	#
37)	Toxaphene...	7.936	0.000	145116	0	82.201	N.D.	#
38)	Toxaphene...	8.219	0.000	9867	0	2.909	N.D.	#
39)	Toxaphene...	8.501f	0.000	16655	0	4.731	N.D.	#
40)	Toxaphene...	8.736f	0.000	11220559	0	4138.069	N.D.	#
41)	Toxaphene...	8.783	9.306	57794	15685	18.327	7.724	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

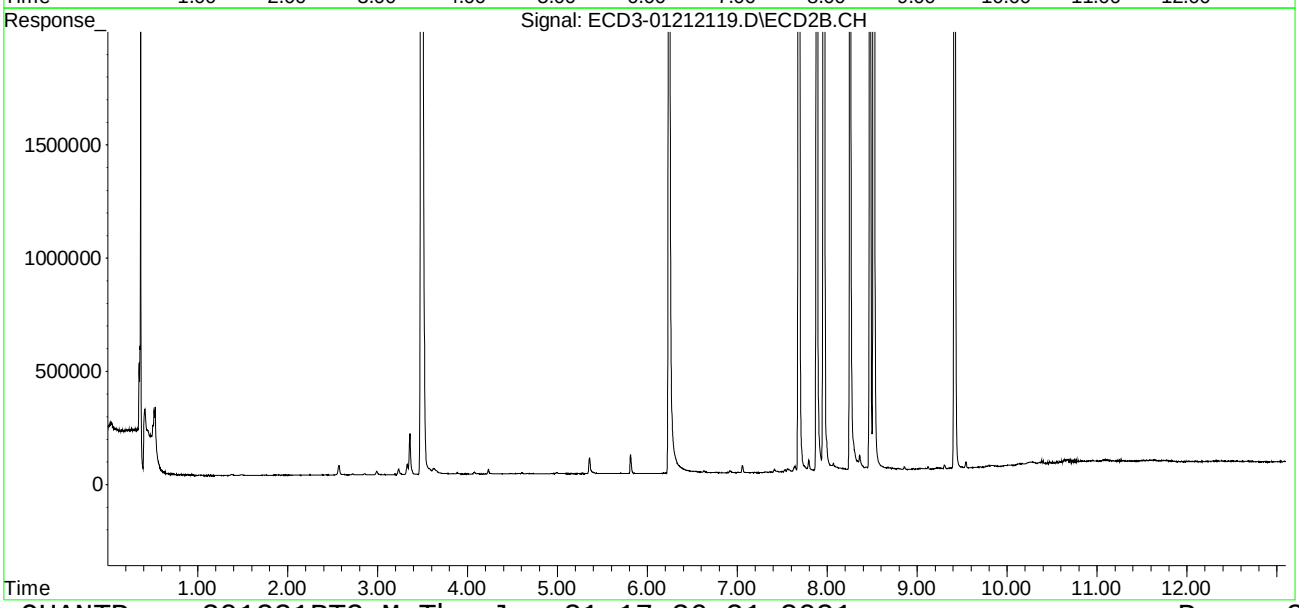
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212119.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 17:21
Operator : MJB
Sample : 1A21053-CCV4
Misc : A21A188, 9-42 100 ppb
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 17:35:20 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212120.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 17:38
Operator : MJB
Sample : 1A21053-CCB2 MJB 1/21/21
Misc : A20L446
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 18:12:05 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.471	5.779	14943228	8919297	80.607	83.648	
22) S	DCBP (S)	9.682	10.266	10087876	5685383	92.991	96.118	
	Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)	g-BHC	0.000	0.000	0	0	N.D.	N.D.	
4)	b-BHC	0.000	0.000	0	0	N.D.	N.D.	
5)	Heptachlor	0.000	0.000	0	0	N.D.	N.D.	
6)	d-BHC	0.000	0.000	0	0	N.D.	N.D.	
7)	Aldrin	0.000	7.360f	0	6607	N.D.	0.053	#
8)	Heptachlo...	0.000	0.000	0	0	N.D.	N.D.	
9)	trans-Chl...	7.497	7.932f	7358	1678	0.039	6778.241	#
10)	cis-Chlor...	7.644f	0.000	1163	0	BelowCal	N.D.	
11)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
12)	4,4'-DDE	7.644	0.000	1163	0	0.006	N.D.	#
13)	Dieldrin	0.000	0.000	0	0	N.D.	N.D.	
14)	Endrin	0.000	0.000	0	0	N.D.	N.D.	
15)	4,4'-DDD	0.000	0.000	0	0	N.D.	N.D.	
16)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
17)	4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	
18)	Endrin Al...	8.517	0.000	4740	0	BelowCal	N.D.	
19)	Endosulfa...	0.000	9.090f	0	4737	N.D.	0.064	#
20)	Methoxychlor	8.626	9.193f	4392	3748	BelowCal	BelowCal	
21)	Endrin Ke...	0.000	9.444	0	7613	N.D.	0.093	#
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)	Hexachlor...	5.858	0.000	25678	0	BelowCal	N.D.	
25)	Oxychlordane	0.000	0.000	0	0	N.D.	N.D.	
26)	2,4'-DDE	0.000	0.000	0	0	N.D.	N.D.	
27)	trans-Non...	0.000	0.000	0	0	N.D.	N.D.	
28)	2,4'-DDD	0.000	0.000	0	0	N.D.	N.D.	
29)	2,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212120.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 17:38
Operator : MJB
Sample : 1A21053-CCB2
Misc : A20L446
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 18:12:05 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

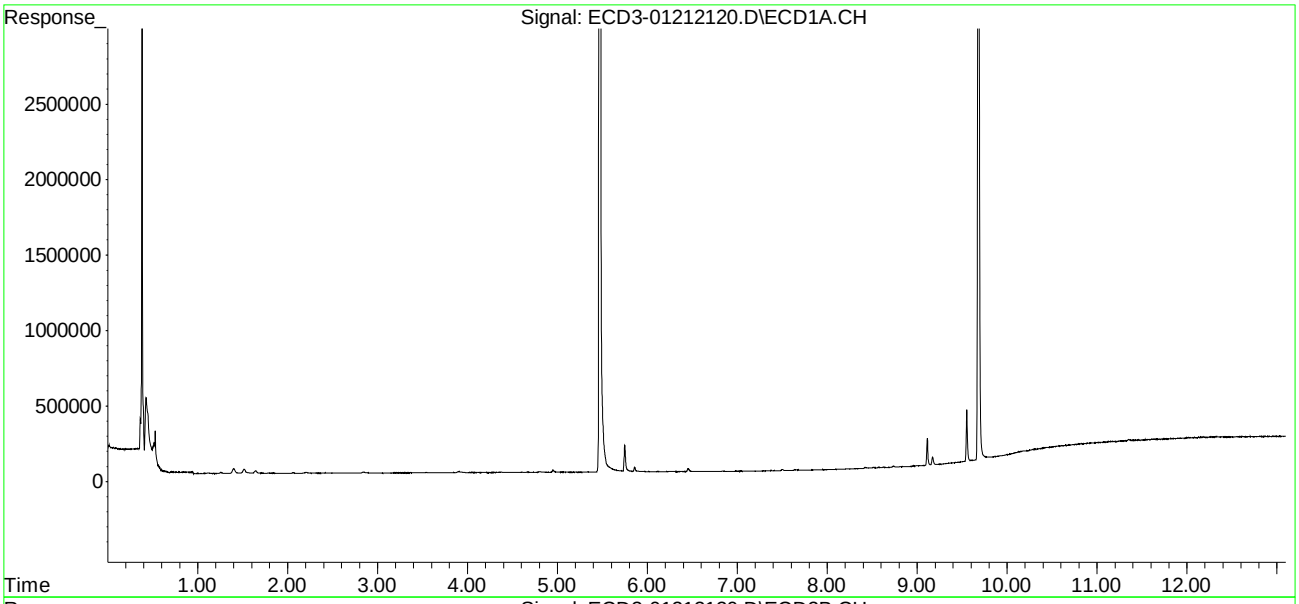
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	0.000	0.000	0	0	N.D.	N.D.	
31)	Mirex	8.737	9.444	9662	7613	BelowCal	14371.964	
32)	Chlordane...	0.000	7.932f	0	1678	N.D.	0.126	#
33)	Chlordane...	7.644	0.000	1163	0	0.060	N.D.	#
34)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.644f	0.000	1163	0	1.440	N.D.	#
37)	Toxaphene...	0.000	8.670f	0	3251	N.D.	2.315	#
38)	Toxaphene...	0.000	8.670	0	3251	N.D.	1.620	#
39)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
40)	Toxaphene...	8.737f	0.000	9662	0	3.563	N.D.	#
41)	Toxaphene...	8.746f	9.293	4616	9387	1.464	4.622	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

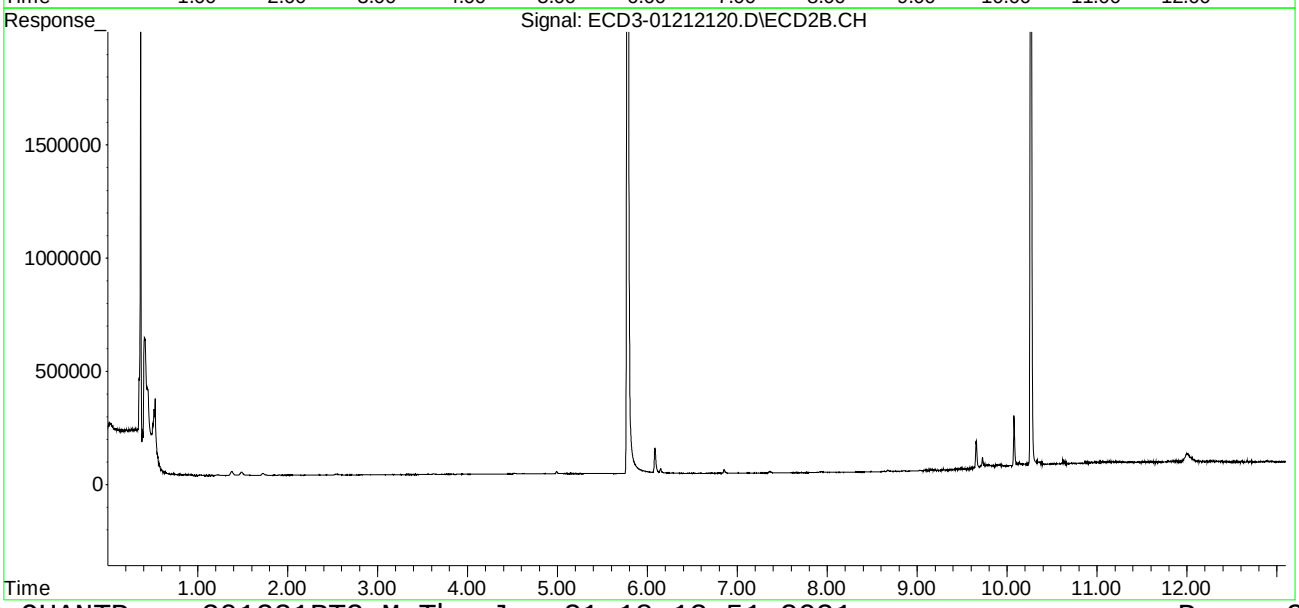
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212120.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 17:38
Operator : MJB
Sample : 1A21053-CCB2
Misc : A20L446
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 18:12:05 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212121.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 17:55
Operator : MJB
Sample : A20K0482-21RE2
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC, 4,4-DDE Only
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 18:14:27 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.471	5.779	6381961	3953351	34.426	36.479	
22) S	DCBP (S)	9.680	10.266	5625589	3206711	51.248	53.261	
	Target Compounds							
2)	a-BHC	6.008	0.000	6949	0	0.029	N.D.	#
3)	g-BHC	6.322	6.662f	4778	5716	0.023	0.044	#
4)	b-BHC	6.371	0.000	7508	0	9545.009	N.D.	#
5)	Heptachlor	6.695	0.000	18225	0	0.093	N.D.	#
6)	d-BHC	6.538	6.971f	5700	12359	0.029	0.105	#
7)	Aldrin	0.000	0.000	0	0	N.D.	N.D.	
8)	Heptachlo...	7.405	0.000	5904	0	44971.035	N.D.	#
9)	trans-Chl...	0.000	7.910	0	6986	N.D.	6778.193	#
10)	cis-Chlor...	7.618	8.034f	8746	17422	BelowCal	0.003	
11)	Endosulfa...	0.000	8.034f	0	17422	N.D.	0.171	#
12)	4,4'-DDE	7.647	8.145f	19965	10075	0.108	0.089	
13)	Dieldrin	0.000	0.000	0	0	N.D.	N.D.	
14)	Endrin	0.000	0.000	0	0	N.D.	N.D.	
15)	4,4'-DDD	8.107	0.000	5183	0	0.036	N.D.	#
16)	Endosulfa...	8.192	8.607	33708	4027	0.239	0.046	#
17)	4,4'-DDT	8.322f	8.750	28705	5713	0.226	0.079	#
18)	Endrin Al...	8.516	8.852	3514	5610	BelowCal	BelowCal	
19)	Endosulfa...	8.809	0.000	4144	0	0.032	N.D.	#
20)	Methoxychlor	0.000	0.000	0	0	N.D.	N.D.	
21)	Endrin Ke...	9.006	9.449	17881	13637	0.128	0.166	
23)	Hexachlor...	3.262	0.000	18382	0	2844.077	N.D.	#
24)	Hexachlor...	5.858	6.247	12695	44045	BelowCal	0.150	
25)	Oxychlordane	0.000	0.000	0	0	N.D.	N.D.	
26)	2,4'-DDE	7.405	7.880	5904	6933	5794.821	11271.810	#
27)	trans-Non...	7.569f	0.000	9739	0	34192.558	N.D.	#
28)	2,4'-DDD	0.000	0.000	0	0	N.D.	N.D.	
29)	2,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212121.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 17:55
Operator : MJB
Sample : A20K0482-21RE2
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC, 4,4-DDE Only
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 18:14:27 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

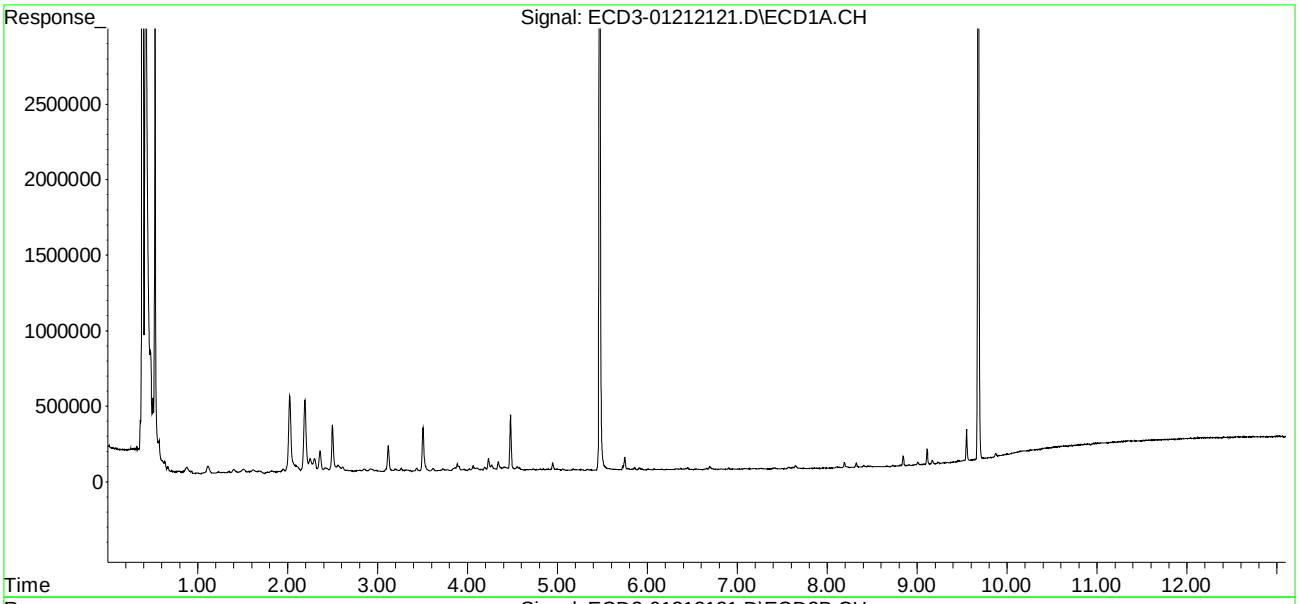
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.107f	0.000	5183	0	BelowCal	N.D.	
31)	Mirex	8.731	9.449	6136	13637	BelowCal	14371.868	
32)	Chlordane...	7.569f	0.000	9739	0	0.478	N.D.	#
33)	Chlordane...	7.647	8.034f	19965	17422	1.029	1.545	#
34)	Chlordane...	8.192	8.750f	33708	5713	5.601	1.601	#
35)	Chlordane...	3.774f	3.748	6552	11188	NoCal	NoCal	
36)	Toxaphene...	7.618	0.000	8746	0	10.828	N.D.	#
37)	Toxaphene...	0.000	8.659f	0	8058	N.D.	5.739	#
38)	Toxaphene...	0.000	8.659	0	8058	N.D.	4.016	#
39)	Toxaphene...	8.480	8.750	8650	5713	2.457	1.716	
40)	Toxaphene...	8.731f	8.909	6136	5315	2.263	BelowCal	#
41)	Toxaphene...	8.809f	9.259f	4144	41739	1.314	20.554	#
42)	Toxaphene...	3.774f	3.748	6552	11188	NoCal	NoCal	

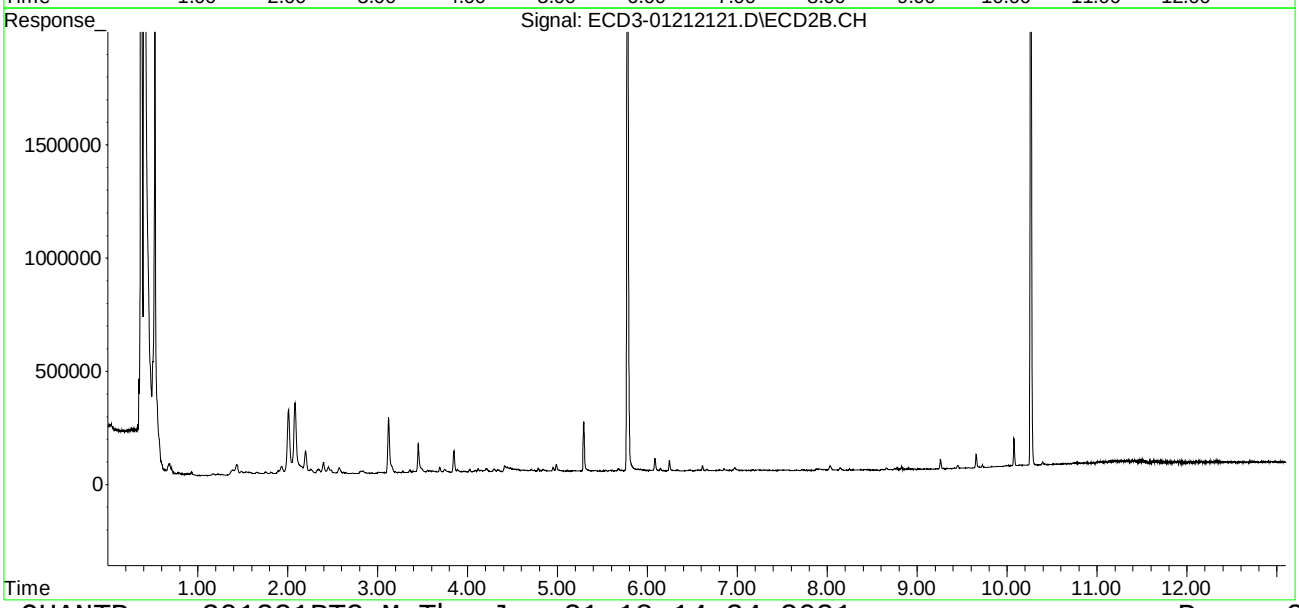
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212121.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 17:55
Operator : MJB
Sample : A20K0482-21RE2
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC, 4,4-DDE Only
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 18:14:27 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

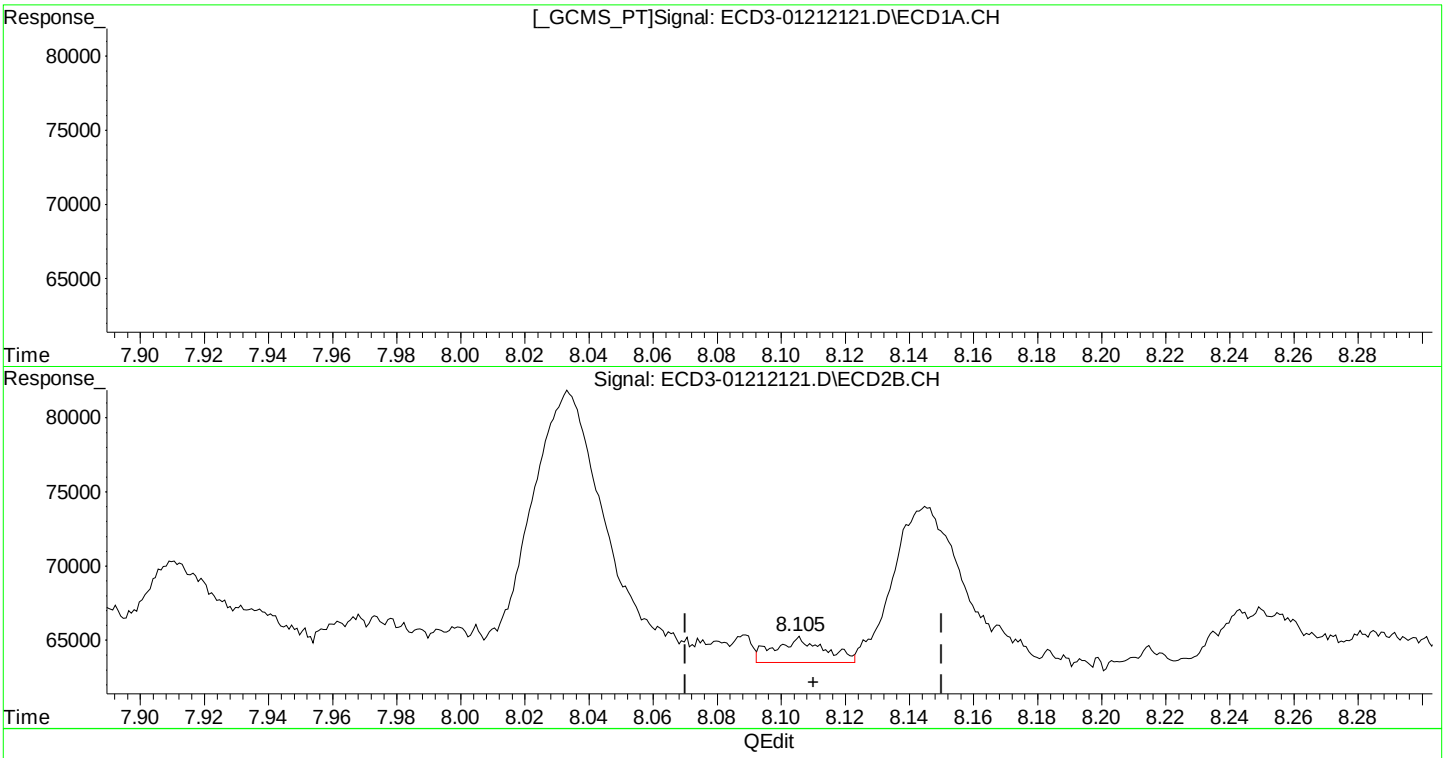




Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212121.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 17:55
Operator : MJB
Sample : A20K0482-21RE2
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC, 4,4-DDE Only
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 18:14:27 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(12) 4,4'-DDE
7.647min 0.108 ng/mL
response 19965

(12) 4,4'-DDE #2
8.105min 0.016 ng/mL m
response 1783

(+) = Expected Retention Time

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212121.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 17:55
Operator : MJB MJB 1/21/21
Sample : A20K0482-21RE2
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC, 4,4-DDE Only
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 18:14:58 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	5.471	5.779	6381961	3953351	34.426	36.479
22) S	DCBP (S)	9.680	10.266	5625589	3206711	51.248	53.261
	Target Compounds						
2)	a-BHC	6.008	0.000	6949	0	0.029	N.D. #
3)	g-BHC	6.322	6.662f	4778	5716	0.023	0.044 #
4)	b-BHC	6.371	0.000	7508	0	9545.009	N.D. #
5)	Heptachlor	6.695	0.000	18225	0	0.093	N.D. #
6)	d-BHC	6.538	6.971f	5700	12359	0.029	0.105 #
7)	Aldrin	0.000	0.000	0	0	N.D.	N.D.
8)	Heptachlo...	7.405	0.000	5904	0	44971.035	N.D. #
9)	trans-Chl...	0.000	7.910	0	6986	N.D.	6778.193 #
10)	cis-Chlor...	7.618	8.034f	8746	17422	BelowCal	0.003
11)	Endosulfa...	0.000	8.034f	0	17422	N.D.	0.171 #
12)	4,4'-DDE	7.647	8.105	19965	1783	0.108	0.016m#
13)	Dieldrin	0.000	0.000	0	0	N.D.	N.D.
14)	Endrin	0.000	0.000	0	0	N.D.	N.D.
15)	4,4'-DDD	8.107	0.000	5183	0	0.036	N.D. #
16)	Endosulfa...	8.192	8.607	33708	4027	0.239	0.046 #
17)	4,4'-DDT	8.322f	8.750	28705	5713	0.226	0.079 #
18)	Endrin Al...	8.516	8.852	3514	5610	BelowCal	BelowCal
19)	Endosulfa...	8.809	0.000	4144	0	0.032	N.D. #
20)	Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21)	Endrin Ke...	9.006	9.449	17881	13637	0.128	0.166
23)	Hexachlor...	3.262	0.000	18382	0	2844.077	N.D. #
24)	Hexachlor...	5.858	6.247	12695	44045	BelowCal	0.150
25)	Oxychlordane	0.000	0.000	0	0	N.D.	N.D.
26)	2,4'-DDE	7.405	7.880	5904	6933	5794.821	11271.810 #
27)	trans-Non...	7.569f	0.000	9739	0	34192.558	N.D. #
28)	2,4'-DDD	0.000	0.000	0	0	N.D.	N.D.
29)	2,4'-DDT	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212121.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 17:55
Operator : MJB
Sample : A20K0482-21RE2
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC, 4,4-DDE Only
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 18:14:58 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

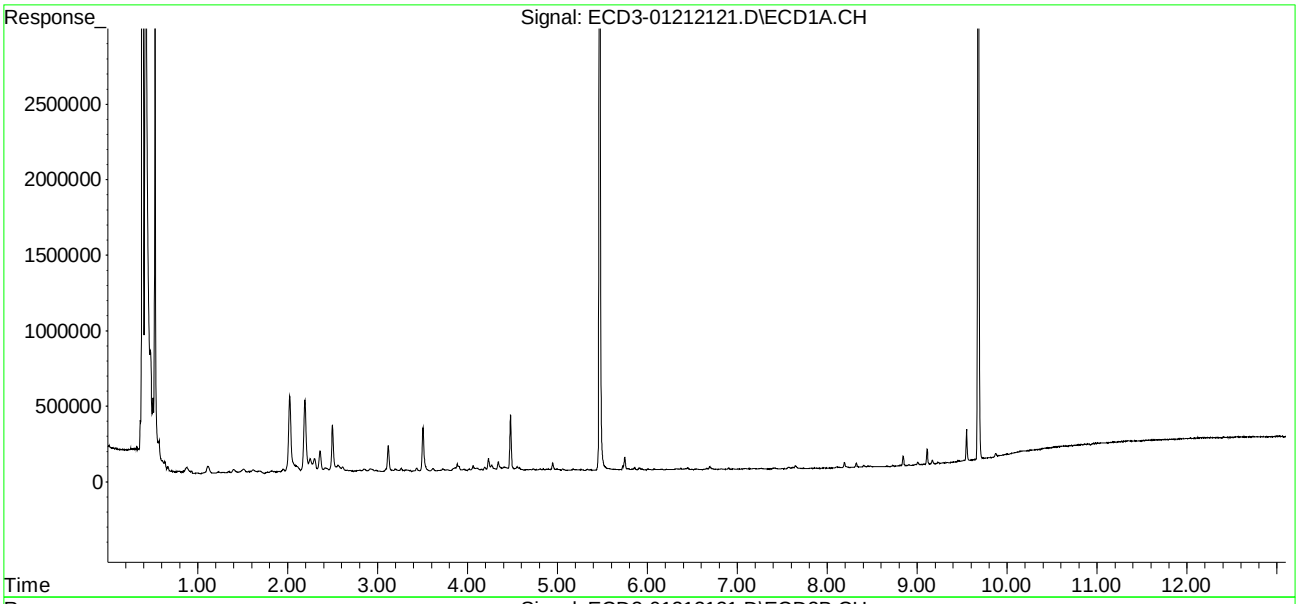
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.107f	0.000	5183	0	BelowCal	N.D.	
31)	Mirex	8.731	9.449	6136	13637	BelowCal	14371.868	
32)	Chlordane...	7.569f	0.000	9739	0	0.478	N.D.	#
33)	Chlordane...	7.647	8.034f	19965	17422	1.029	1.545	#
34)	Chlordane...	8.192	8.750f	33708	5713	5.601	1.601	#
35)	Chlordane...	3.774f	3.748	6552	11188	NoCal	NoCal	
36)	Toxaphene...	7.618	0.000	8746	0	10.828	N.D.	#
37)	Toxaphene...	0.000	8.659f	0	8058	N.D.	5.739	#
38)	Toxaphene...	0.000	8.659	0	8058	N.D.	4.016	#
39)	Toxaphene...	8.480	8.750	8650	5713	2.457	1.716	
40)	Toxaphene...	8.731f	8.909	6136	5315	2.263	BelowCal	#
41)	Toxaphene...	8.809f	9.259f	4144	41739	1.314	20.554	#
42)	Toxaphene...	3.774f	3.748	6552	11188	NoCal	NoCal	

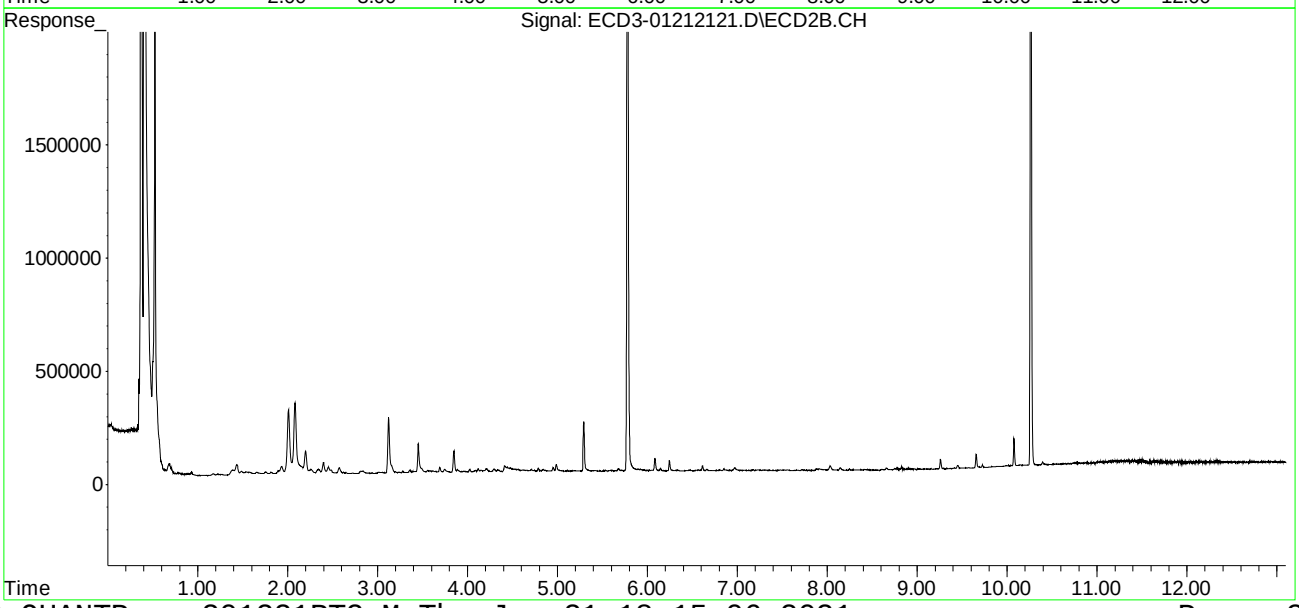
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212121.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 17:55
Operator : MJB
Sample : A20K0482-21RE2
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC, 4,4-DDE Only
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 21 18:14:58 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212122.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 18:12
Operator : MJB
Sample : 1012907-MS3
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC, 4,4-DDE Only
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 1/22/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 22 11:53:24 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.471	5.778	7148407	4595812	38.560	42.508	
22) S	DCBP (S)	9.680	10.266	5802439	3318346	52.886	55.161	
	Target Compounds							
2)	a-BHC	6.006	6.343f	7323	4554	0.031	0.031	
3)	g-BHC	6.318	6.661f	4633	7328	0.022	0.056	#
4)	b-BHC	6.370	6.797f	9695	4272	9544.984	2944.398	#
5)	Heptachlor	6.693	7.089f	18518	5086	0.095	0.042	#
6)	d-BHC	6.536	0.000	10310	0	0.053	N.D.	#
7)	Aldrin	6.954	0.000	4670	0	0.023	N.D.	#
8)	Heptachlo...	7.405	7.795f	5217143	4608	30.442	3530.573	#
9)	trans-Chl...	7.519	7.883	10596	3488858	0.057	31.844	#
10)	cis-Chlor...	7.614	8.030f	11654	30706	BelowCal	0.131	
11)	Endosulfa...	7.721	8.030f	22700	30706	0.138	0.302	#
12)	4,4'-DDE	7.657	8.108	8340567	5188665	45.242	46.061	
13)	Dieldrin	0.000	8.253	0	3178617	N.D.	28.372	#
14)	Endrin	8.086f	8.474	6636158	3219805	48.321	39.536	
15)	4,4'-DDD	8.086	8.520	6636158	4094389	46.269	46.611	
16)	Endosulfa...	8.190	8.623	61045	17528	0.432	0.201	#
17)	4,4'-DDT	8.281	8.743	6503094	4100909	51.274	56.694	
18)	Endrin Al...	8.478f	8.872	10224	9302	BelowCal	BelowCal	
19)	Endosulfa...	8.805	0.000	3278	0	0.025	N.D.	#
20)	Methoxychlor	8.638f	9.209	3799	5651	BelowCal	0.008	
21)	Endrin Ke...	9.004	9.449	29156	24157	0.208	0.294	#
23)	Hexachlor...	3.263	3.491	20541	20236	2844.064	1293.996	#
24)	Hexachlor...	5.856	6.246	16992	52303	BelowCal	0.228	
25)	Oxychlordane	7.364f	7.727f	7891	107451	BelowCal	0.924	
26)	2,4'-DDE	7.405	7.883	5217143	3488858	46.462	48.969	
27)	trans-Non...	7.614f	7.960	11654	5574	34192.546	74602.258	#
28)	2,4'-DDD	7.783	8.253	5117954	3178617	51.046	51.709	
29)	2,4'-DDT	7.964	8.474	5242631	3219805	54.248	56.526	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212122.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 18:12
Operator : MJB
Sample : 1012907-MS3
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC, 4,4-DDE Only
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 22 11:53:24 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

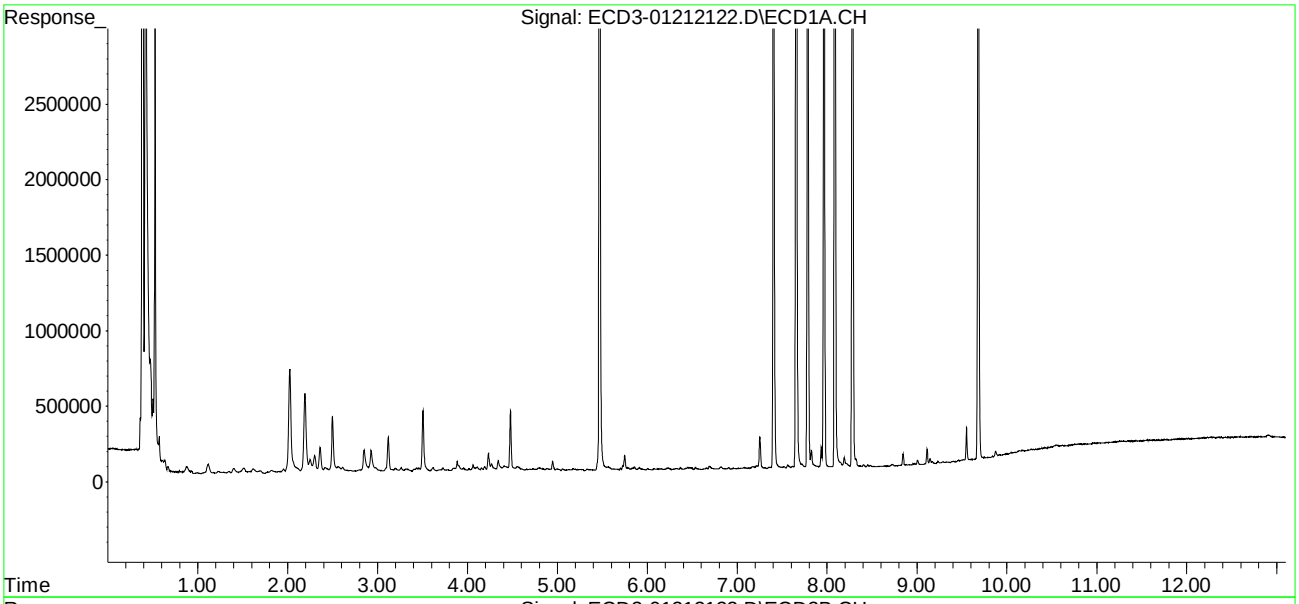
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.086	8.520	6636158	4094389	37.347	38.359	
31)	Mirex	8.728	9.449	11069	24157	BelowCal	0.022	
32)	Chlordane...	7.519f	7.960	10596	5574	0.520	0.417	
33)	Chlordane...	7.657f	8.030f	8340567	30706	429.957	2.722	#
34)	Chlordane...	8.190	8.743f	61045	4100909	10.143	1149.287	#
35)	Chlordane...	0.000	3.747	0	17652	N.D.	NoCal	
36)	Toxaphene...	7.614	8.253f	11654	3178617	14.430	2570.512	#
37)	Toxaphene...	7.934	8.623	133629	17528	75.483	12.483	#
38)	Toxaphene...	0.000	8.654	0	15685	N.D.	7.817	#
39)	Toxaphene...	8.478	8.743	10224	4100909	2.905	1232.015	#
40)	Toxaphene...	8.728f	0.000	11069	0	4.082	N.D.	#
41)	Toxaphene...	8.805f	9.259f	3278	49255	1.039	24.255	#
42)	Toxaphene...	0.000	3.747	0	17652	N.D.	NoCal	

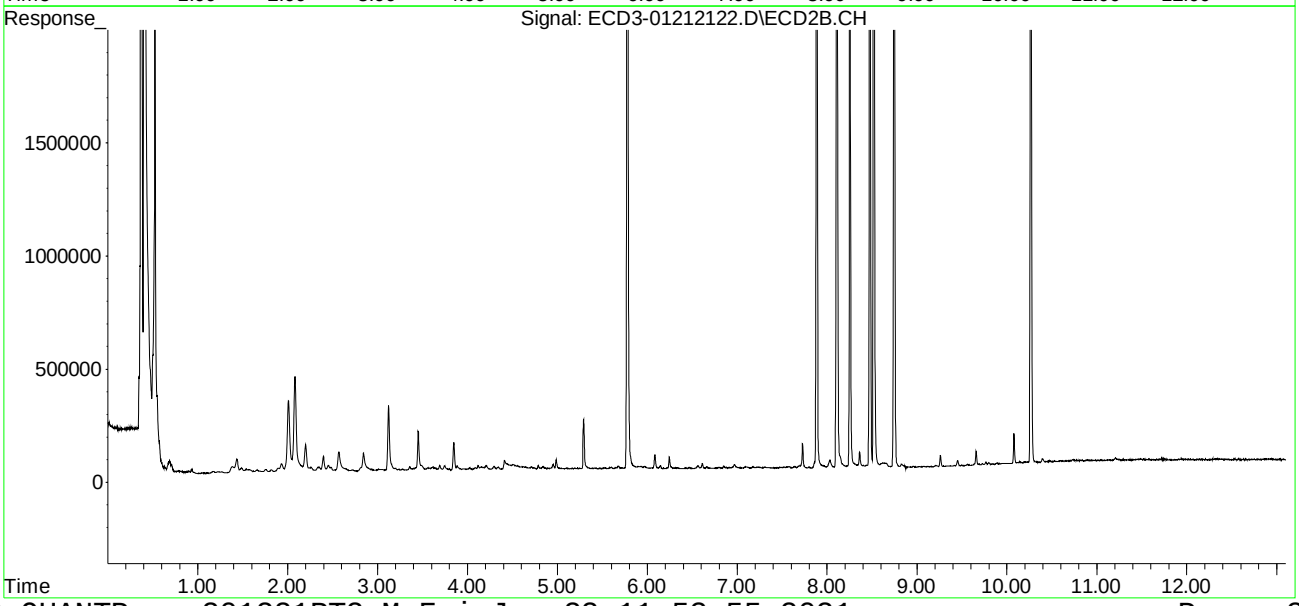
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212122.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 18:12
Operator : MJB
Sample : 1012907-MS3
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC, 4,4-DDE Only
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 22 11:53:24 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212123.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 18:29
Operator : MJB
Sample : 1012907-MSD3
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC, 4,4-DDE Only
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 1/22/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 22 11:54:35 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.471	5.778	5263024	3405733	28.390	31.357	
22) S	DCBP (S)	9.680	10.266	5924887	3358528	54.021	55.846	
	Target Compounds							
2)	a-BHC	6.005	0.000	4687	0	0.020	N.D.	#
3)	g-BHC	0.000	6.661f	0	4575	N.D.	0.035	#
4)	b-BHC	0.000	0.000	0	0	N.D.	N.D.	
5)	Heptachlor	6.695	7.093f	15558	5006	0.080	0.041	#
6)	d-BHC	6.536	0.000	7730	0	0.040	N.D.	#
7)	Aldrin	0.000	0.000	0	0	N.D.	N.D.	
8)	Heptachlo...	7.405	7.796f	4555764	3812	26.562	3530.581	#
9)	trans-Chl...	7.518	7.883	10314	2929450	0.055	26.692	#
10)	cis-Chlor...	7.616	8.031f	10260	16439	BelowCal	4425.491	
11)	Endosulfa...	7.722	8.031f	20693	16439	0.125	0.162	
12)	4,4'-DDE	7.657	8.108	7510401	4698119	40.739	41.707	
13)	Dieldrin	0.000	8.253	0	3005336	N.D.	26.825	#
14)	Endrin	8.086f	8.474	6498083	2935159	47.316	36.041	
15)	4,4'-DDD	8.086	8.520	6498083	3994562	45.306	45.474	
16)	Endosulfa...	8.191	8.622	38953	5859	0.276	0.067	#
17)	4,4'-DDT	8.281	8.743	5926806	3764141	46.731	52.039	
18)	Endrin Al...	8.479f	8.829f	8395	7900	BelowCal	BelowCal	
19)	Endosulfa...	8.842f	0.000	74550	0	0.572	N.D.	#
20)	Methoxychlor	0.000	9.210	0	5465	N.D.	0.003	#
21)	Endrin Ke...	9.005	9.449	23192	19561	0.166	0.238	#
23)	Hexachlor...	3.261	3.486f	11866	14551	2844.114	1294.042	#
24)	Hexachlor...	5.857	6.246	11777	40183	BelowCal	0.114	
25)	Oxychlordane	7.367f	7.722f	6619	3985	BelowCal	24475.472	
26)	2,4'-DDE	7.405	7.883	4555764	2929450	40.503	41.052	
27)	trans-Non...	7.616f	0.000	10260	0	34192.555	N.D.	#
28)	2,4'-DDD	7.783	8.253	4793472	3005336	47.816	48.877	
29)	2,4'-DDT	7.963	8.474	4868591	2935159	50.502	51.733	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212123.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 18:29
Operator : MJB
Sample : 1012907-MSD3
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC, 4,4-DDE Only
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 22 11:54:35 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

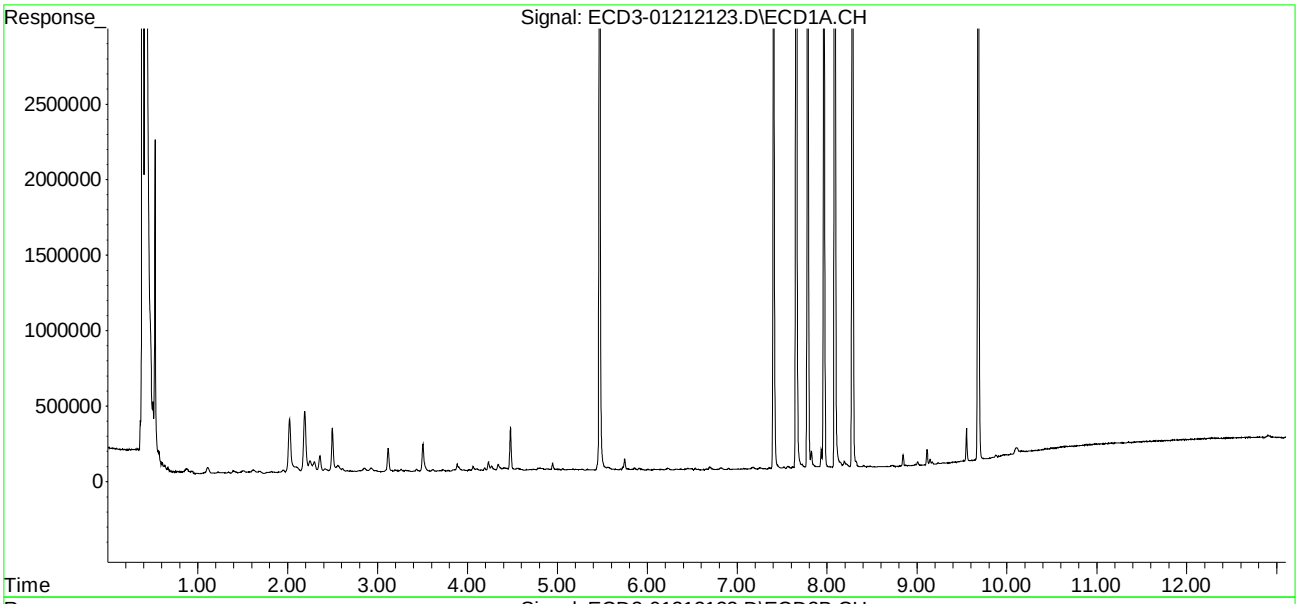
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.086	8.520	6498083	3994562	36.574	37.422	
31)	Mirex	8.729	9.449	7642	19561	BelowCal	14371.773	
32)	Chlordane...	7.518f	0.000	10314	0	0.506	N.D.	#
33)	Chlordane...	7.657f	8.031f	7510401	16439	387.161	1.457	#
34)	Chlordane...	8.191	8.743f	38953	3764141	6.472	1054.908	#
35)	Chlordane...	0.000	3.748	0	8774	N.D.	NoCal	
36)	Toxaphene...	7.616	8.253f	10260	3005336	12.704	2430.381	#
37)	Toxaphene...	7.934	8.640	117228	2654	65.897	1.890	#
38)	Toxaphene...	0.000	8.640f	0	2654	N.D.	1.323	#
39)	Toxaphene...	8.479	8.743	8395	3764141	2.385	1130.842	#
40)	Toxaphene...	8.729f	0.000	7642	0	2.818	N.D.	#
41)	Toxaphene...	0.000	9.259f	0	46234	N.D.	22.767	#
42)	Toxaphene...	0.000	3.748	0	8774	N.D.	NoCal	

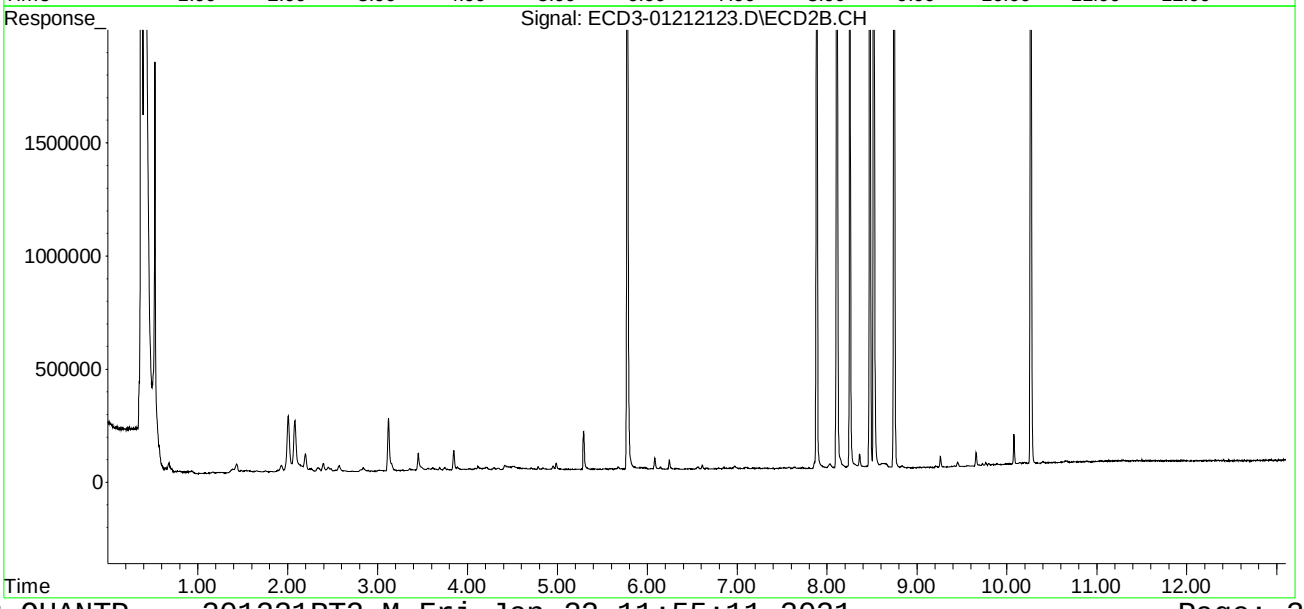
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212123.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 18:29
Operator : MJB
Sample : 1012907-MSD3
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC, 4,4-DDE Only
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 22 11:54:35 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212124.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 18:46
Operator : MJB
Sample : A20K0482-22RE2
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC, 4,4-DDE Only
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 1/22/21

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 22 11:55:55 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.471	5.778	4918820	3111786	26.533	28.614	
22) S	DCBP (S)	9.680	10.265	5532314	3103870	50.385	51.512	
	Target Compounds							
2)	a-BHC	6.006	0.000	5547	0	0.023	N.D.	#
3)	g-BHC	0.000	6.660f	0	5601	N.D.	0.043	#
4)	b-BHC	6.371	0.000	6323	0	9545.022	N.D.	#
5)	Heptachlor	6.694	7.090f	16248	5379	0.083	0.044	#
6)	d-BHC	6.536	6.972f	6991	11656	0.036	0.099	#
7)	Aldrin	0.000	0.000	0	0	N.D.	N.D.	
8)	Heptachlo...	7.406	0.000	25692	0	44970.919	N.D.	#
9)	trans-Chl...	0.000	7.909	0	5352	N.D.	6778.208	#
10)	cis-Chlor...	7.615	8.027	10947	15979	BelowCal	4425.495	
11)	Endosulfa...	0.000	8.027f	0	15979	N.D.	0.157	#
12)	4,4'-DDE	7.656	8.107	29117	12451	0.158	0.111	
13)	Dieldrin	7.847f	8.253	5577	7115	0.030	0.064	#
14)	Endrin	0.000	8.474	0	6284	N.D.	0.077	#
15)	4,4'-DDD	8.090	8.521	6864	3264	0.048	0.037	
16)	Endosulfa...	8.190	8.617	22858	2023	0.162	0.023	#
17)	4,4'-DDT	8.287	8.747	9442	7025	0.074	0.097	
18)	Endrin Al...	8.521	8.830f	4676	5476	BelowCal	BelowCal	
19)	Endosulfa...	8.842f	0.000	78110	0	0.599	N.D.	#
20)	Methoxychlor	0.000	9.207	0	4998	N.D.	BelowCal	
21)	Endrin Ke...	9.005	9.448	22380	17156	0.160	0.209	
23)	Hexachlor...	3.262	3.491	11789	11008	2844.115	1294.071	#
24)	Hexachlor...	5.857	6.246	10493	90758	BelowCal	0.588	
25)	Oxychlordane	7.360f	7.716	7148	3461	BelowCal	24475.478	
26)	2,4'-DDE	7.406	7.882	25692	16416	0.015	0.002	#
27)	trans-Non...	7.615f	0.000	10947	0	34192.551	N.D.	#
28)	2,4'-DDD	7.782	8.253	5816	7115	BelowCal	BelowCal	
29)	2,4'-DDT	7.964	8.474	10454	6284	BelowCal	BelowCal	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212124.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 18:46
Operator : MJB
Sample : A20K0482-22RE2
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC, 4,4-DDE Only
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 22 11:55:55 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

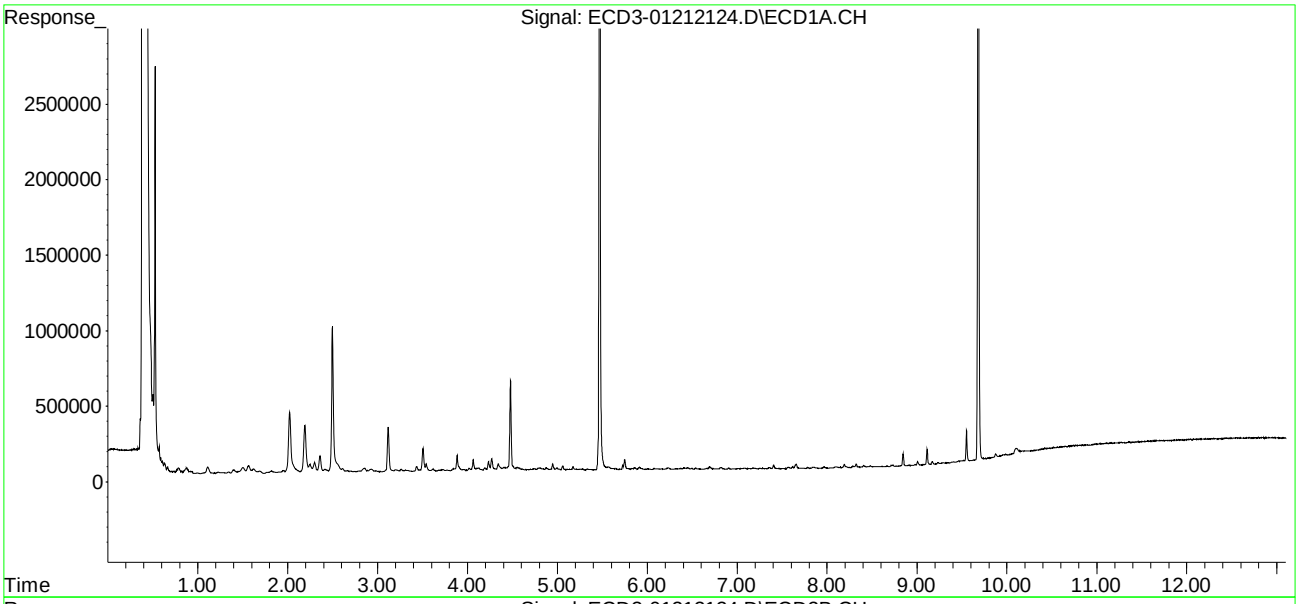
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.090f	8.521	6864	3264	BelowCal	BelowCal	
31)	Mirex	8.729	9.448	9488	17156	BelowCal	14371.811	
32)	Chlordane...	7.569f	0.000	9266	0	0.455	N.D.	#
33)	Chlordane...	7.656	8.027f	29117	15979	1.501	1.417	
34)	Chlordane...	8.190	8.747f	22858	7025	3.798	1.969	#
35)	Chlordane...	0.000	3.748	0	8624	N.D.	NoCal	
36)	Toxaphene...	7.615	8.253f	10947	7115	13.553	5.754	#
37)	Toxaphene...	0.000	8.656	0	7933	N.D.	5.649	#
38)	Toxaphene...	0.000	8.656	0	7933	N.D.	3.953	#
39)	Toxaphene...	8.478	8.747	10916	7025	3.101	2.111	
40)	Toxaphene...	8.714	8.904	7199	3667	2.655	BelowCal	#
41)	Toxaphene...	0.000	9.258f	0	49425	N.D.	24.339	#
42)	Toxaphene...	0.000	3.748	0	8624	N.D.	NoCal	

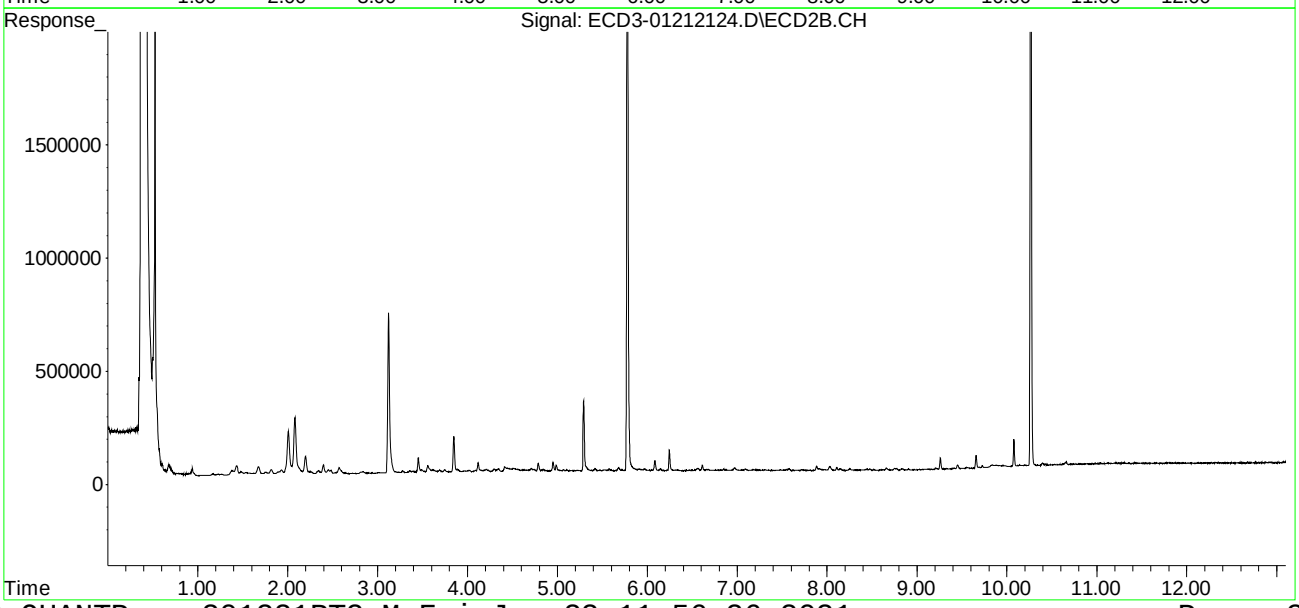
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212124.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 18:46
Operator : MJB
Sample : A20K0482-22RE2
Misc : 1x, 8081B 2,4+4,4-DDx Only, GPC, 4,4-DDE Only
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 22 11:55:55 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212131.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 20:46
Operator : MJB
Sample : 1A21053-CCV5 MJB 1/22/21
Misc : A20L216, AB 50 ppb
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 22 12:07:53 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	5.470	5.777	8515278	5189368	45.933	48.097
22) S	DCBP (S)	9.680	10.265	5936288	3425218	54.127	56.983
	Target Compounds						
2)	a-BHC	6.020	6.370	12263860	7442245	51.539	50.286
3)	g-BHC	6.305	6.684	10486693	6587414	50.179	50.656
4)	b-BHC	6.384	6.752	3977240	2656038	44.621	47.272
5)	Heptachlor	6.703	7.056	10212026	6499217	52.213	53.419
6)	d-BHC	6.535	6.999	8582500	5789645	43.942	49.029
7)	Aldrin	6.944	7.317	10025230	6179480	49.467	49.449
8)	Heptachlo...	7.414	7.753	9047547	5722344	52.931	53.461
9)	trans-Chl...	7.506	7.893	9050446	5687390	48.492	52.169
10)	cis-Chlor...	7.603	8.000	8890715	5556632	52.077	53.815
11)	Endosulfa...	7.706	8.047	8261298	5189148	50.102	51.007
12)	4,4'-DDE	7.659	8.108	8613817	5459761	46.725	48.468
13)	Dieldrin	7.879	8.245	9364772	5903616	50.899	52.694
14)	Endrin	8.048	8.466	7677990	4730523	55.907	58.086
15)	4,4'-DDD	8.087	8.520	7252230	4635851	50.564	52.775
16)	Endosulfa...	8.209	8.613	7112909	4505684	50.372	51.762
17)	4,4'-DDT	8.283	8.743	5649388	3520351	44.543	48.668
18)	Endrin Al...	8.504	8.848	5755527	3769052	49.044	54.307
19)	Endosulfa...	8.809	9.042	6981544	4238514	53.552	57.133
20)	Methoxychlor	8.615	9.209	2439512	1646885	41.237	47.048
21)	Endrin Ke...	9.008	9.427	7732331	4709995	55.209	57.409
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24)	Hexachlor...	5.857	0.000	15764	0	BelowCal	N.D.
25)	Oxychlordane	7.346	7.670f	44694	4685	0.080	24475.464 #
26)	2,4'-DDE	7.414	7.893	9047547	5687390	81.222	80.196
27)	trans-Non...	7.603	7.958	8890715	25141	53.219	74602.063 #
28)	2,4'-DDD	0.000	8.245	0	5903616	N.D.	96.204 #
29)	2,4'-DDT	7.963	8.466	32098	4730523	0.155	81.332 #

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212131.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 20:46
Operator : MJB
Sample : 1A21053-CCV5
Misc : A20L216, AB 50 ppb
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 22 12:07:53 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

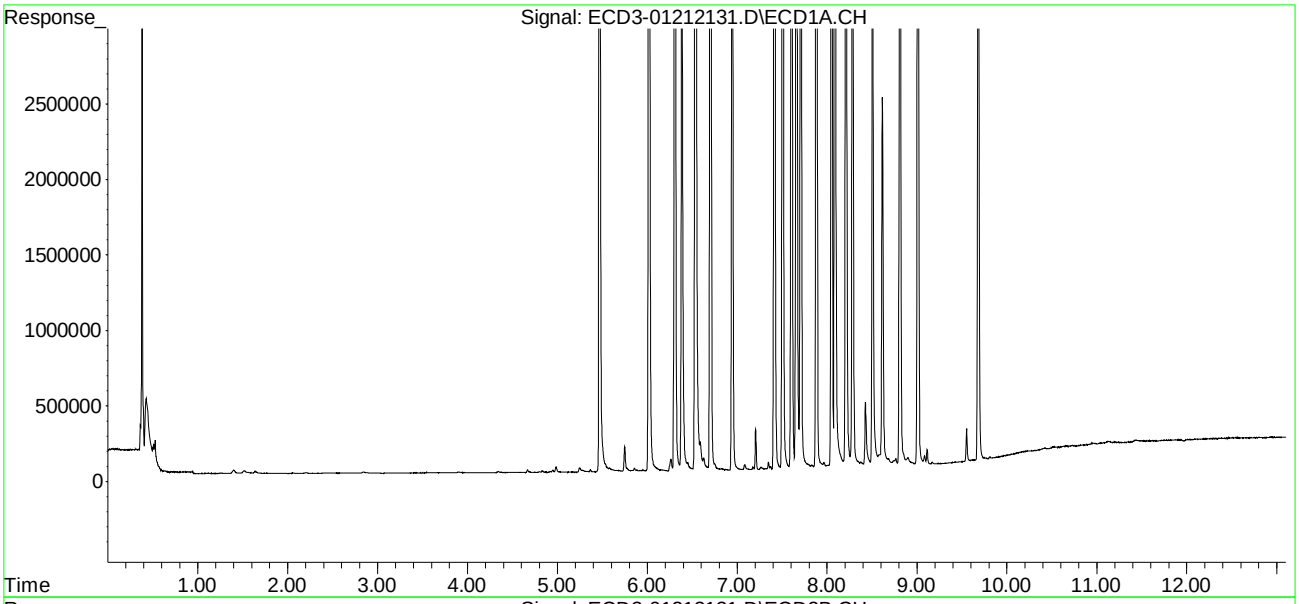
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.087	8.520	7252230	4635851	40.797	43.438	
31)	Mirex	8.742	9.427	28993	4709995	BelowCal	75.537	
32)	Chlordane...	7.506f	7.958	9050446	25141	444.450	1.880	#
33)	Chlordane...	7.659f	8.047	8613817	5189148	444.043	460.026	
34)	Chlordane...	8.209	8.697	7112909	27425	1181.816	7.686	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.603	0.000	8890715	0	11008.083	N.D.	#
37)	Toxaphene...	7.879f	8.613f	9364772	4505684	7911.016	3208.767	#
38)	Toxaphene...	8.209f	8.697f	7112909	27425	2097.083	13.668	#
39)	Toxaphene...	8.504f	8.743	5755527	3520351	1635.016	1057.601	
40)	Toxaphene...	8.683f	8.924	44187	329488	16.296	167.802	#
41)	Toxaphene...	8.762	9.295	41655	14504	13.209	7.142	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

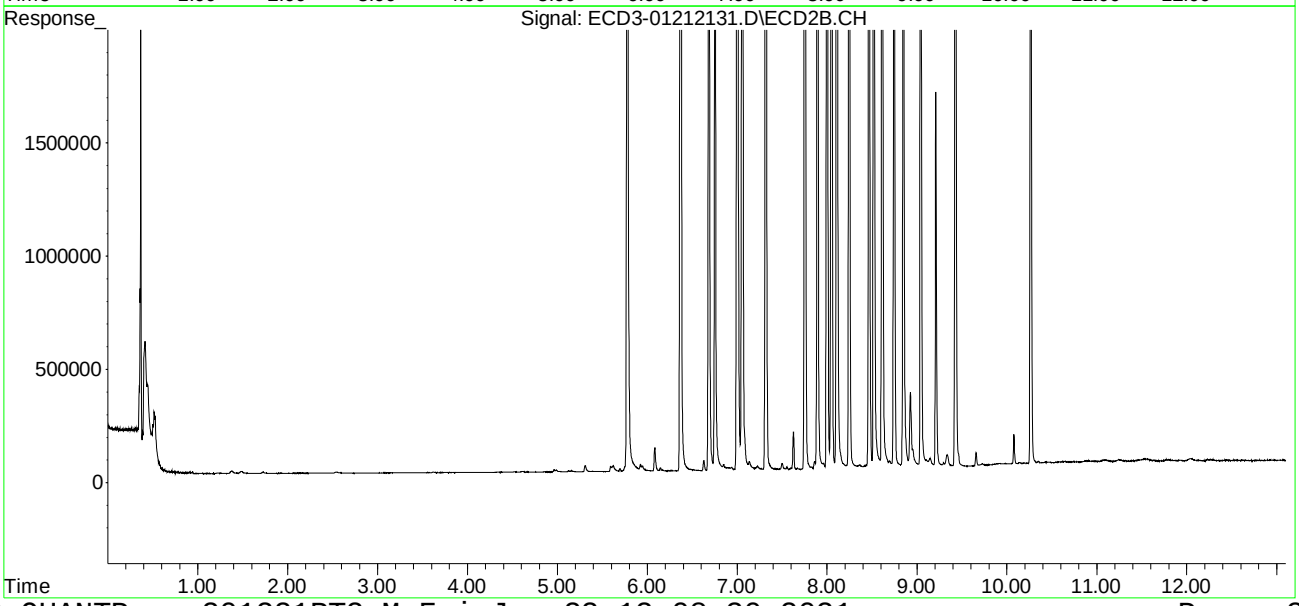
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212131.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 20:46
Operator : MJB
Sample : 1A21053-CCV5
Misc : A20L216, AB 50 ppb
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 22 12:07:53 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212132.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 21:03
Operator : MJB
Sample : 1A21053-CCV6 MJB 1/22/21
Misc : A21A187, 9-42 50 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 22 12:09:05 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.441f	5.813f	71724	46561	0.387	0.264	
22) S	DCBP (S)	9.679	0.000	1895	0	4158.049	N.D.	#
	Target Compounds							
2)	a-BHC	6.060f	0.000	3359	0	0.014	N.D.	#
3)	g-BHC	0.000	0.000	0	0	N.D.	N.D.	
4)	b-BHC	0.000	0.000	0	0	N.D.	N.D.	
5)	Heptachlor	6.703	7.057	22752	16656	0.116	0.137	
6)	d-BHC	0.000	0.000	0	0	N.D.	N.D.	
7)	Aldrin	0.000	7.355f	0	20950	N.D.	0.168	#
8)	Heptachlo...	7.406	7.792f	5427253	20107	31.675	0.054	#
9)	trans-Chl...	7.496	7.883	43352	3615939	0.232	33.016	#
10)	cis-Chlor...	7.590	8.048f	8956855	6899	52.463	4425.582	#
11)	Endosulfa...	7.684f	8.048	27159	6899	0.165	0.068	#
12)	4,4'-DDE	7.684f	0.000	27159	0	0.147	N.D.	#
13)	Dieldrin	7.855f	8.254	78772	3211849	0.428	28.668	#
14)	Endrin	8.067	8.474	9446565	2951556	68.785	36.242	#
15)	4,4'-DDD	8.067f	8.517	9446565	5779953	65.864	65.799	
16)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
17)	4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	
18)	Endrin Al...	8.500	8.857	8634	7013	BelowCal	BelowCal	
19)	Endosulfa...	8.781f	0.000	36354	0	0.279	N.D.	#
20)	Methoxychlor	0.000	0.000	0	0	N.D.	N.D.	
21)	Endrin Ke...	0.000	9.416	0	3493460	N.D.	42.581	#
23)	Hexachlor...	3.263	3.491	9718122	6817225	56.985	58.173	
24)	Hexachlor...	5.856	6.240	8114717	4999901	47.559	47.264	
25)	Oxychlordane	7.336	7.684	7903926	5060019	54.182	55.880	
26)	2,4'-DDE	7.406	7.883	5427253	3615939	48.357	50.770	
27)	trans-Non...	7.590	7.960	8956855	5510818	53.617	54.546	
28)	2,4'-DDD	7.785	8.254	4898878	3211849	48.866	52.252	
29)	2,4'-DDT	7.965	8.474	4615919	2951556	47.961	52.010	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212132.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 21:03
Operator : MJB
Sample : 1A21053-CCV6
Misc : A21A187, 9-42 50 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 22 12:09:05 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

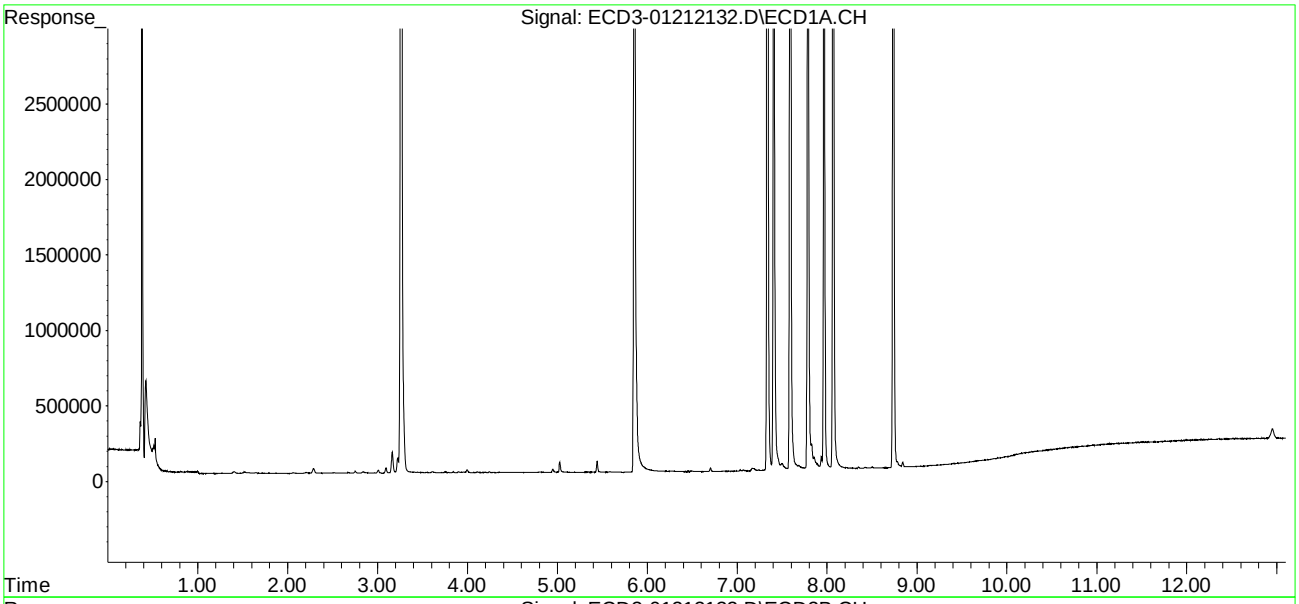
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.067	8.517	9446565	5779953	53.034	54.149	
31)	Mirex	8.735	9.416	5802180	3493460	54.863	55.855	
32)	Chlordane...	0.000	7.960	0	5510818	N.D.	412.082	#
33)	Chlordane...	0.000	8.065	0	10371	N.D.	0.919	#
34)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.590f	8.254f	8956855	3211849	11089.975	2597.386	#
37)	Toxaphene...	7.935	8.671f	80520	7148	44.469	5.090	#
38)	Toxaphene...	0.000	8.671	0	7148	N.D.	3.562	#
39)	Toxaphene...	8.500f	0.000	8634	0	2.453	N.D.	#
40)	Toxaphene...	8.735f	0.000	5802180	0	2139.806	N.D.	#
41)	Toxaphene...	8.781	9.303	36354	9217	11.528	4.539	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

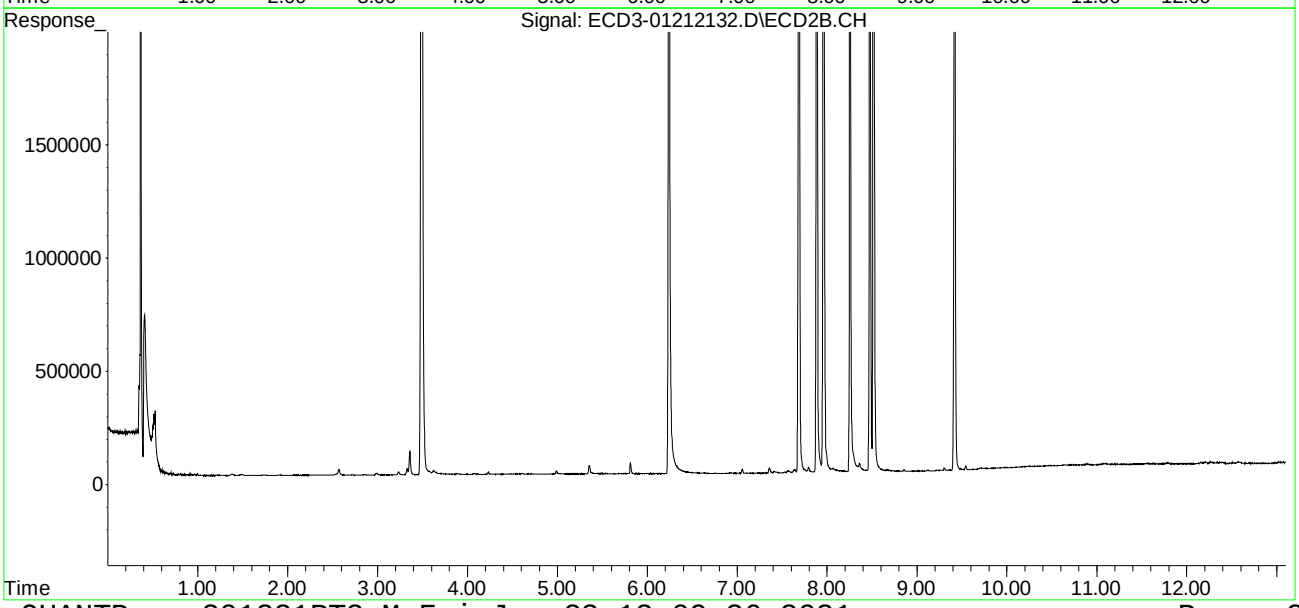
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212132.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 21:03
Operator : MJB
Sample : 1A21053-CCV6
Misc : A21A187, 9-42 50 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 22 12:09:05 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212132.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 21:03
Operator : MJB
Sample : 1A21053-CCV6 MJB 1/22/21
Misc : A21A187, 9-42 50 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 22 12:09:05 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.441f	5.813f	71724	46561	0.387	0.264	
22) S	DCBP (S)	9.679	0.000	1895	0	4158.049	N.D.	#
	Target Compounds							
2)	a-BHC	6.060f	0.000	3359	0	0.014	N.D.	#
3)	g-BHC	0.000	0.000	0	0	N.D.	N.D.	
4)	b-BHC	0.000	0.000	0	0	N.D.	N.D.	
5)	Heptachlor	6.703	7.057	22752	16656	0.116	0.137	
6)	d-BHC	0.000	0.000	0	0	N.D.	N.D.	
7)	Aldrin	0.000	7.355f	0	20950	N.D.	0.168	#
8)	Heptachlo...	7.406	7.792f	5427253	20107	31.675	0.054	#
9)	trans-Chl...	7.496	7.883	43352	3615939	0.232	33.016	#
10)	cis-Chlor...	7.590	8.048f	8956855	6899	52.463	4425.582	#
11)	Endosulfa...	7.684f	8.048	27159	6899	0.165	0.068	#
12)	4,4'-DDE	7.684f	0.000	27159	0	0.147	N.D.	#
13)	Dieldrin	7.855f	8.254	78772	3211849	0.428	28.668	#
14)	Endrin	8.067	8.474	9446565	2951556	68.785	36.242	#
15)	4,4'-DDD	8.067f	8.517	9446565	5779953	65.864	65.799	
16)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
17)	4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	
18)	Endrin Al...	8.500	8.857	8634	7013	BelowCal	BelowCal	
19)	Endosulfa...	8.781f	0.000	36354	0	0.279	N.D.	#
20)	Methoxychlor	0.000	0.000	0	0	N.D.	N.D.	
21)	Endrin Ke...	0.000	9.416	0	3493460	N.D.	42.581	#
23)	Hexachlor...	3.263	3.491	9718122	6817225	56.985	58.173	
24)	Hexachlor...	5.856	6.240	8114717	4999901	47.559	47.264	
25)	Oxychlordane	7.336	7.684	7903926	5060019	54.182	55.880	
26)	2,4'-DDE	7.406	7.883	5427253	3615939	48.357	50.770	
27)	trans-Non...	7.590	7.960	8956855	5510818	53.617	54.546	
28)	2,4'-DDD	7.785	8.254	4898878	3211849	48.866	52.252	
29)	2,4'-DDT	7.965	8.474	4615919	2951556	47.961	52.010	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212132.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 21:03
Operator : MJB
Sample : 1A21053-CCV6
Misc : A21A187, 9-42 50 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 22 12:09:05 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

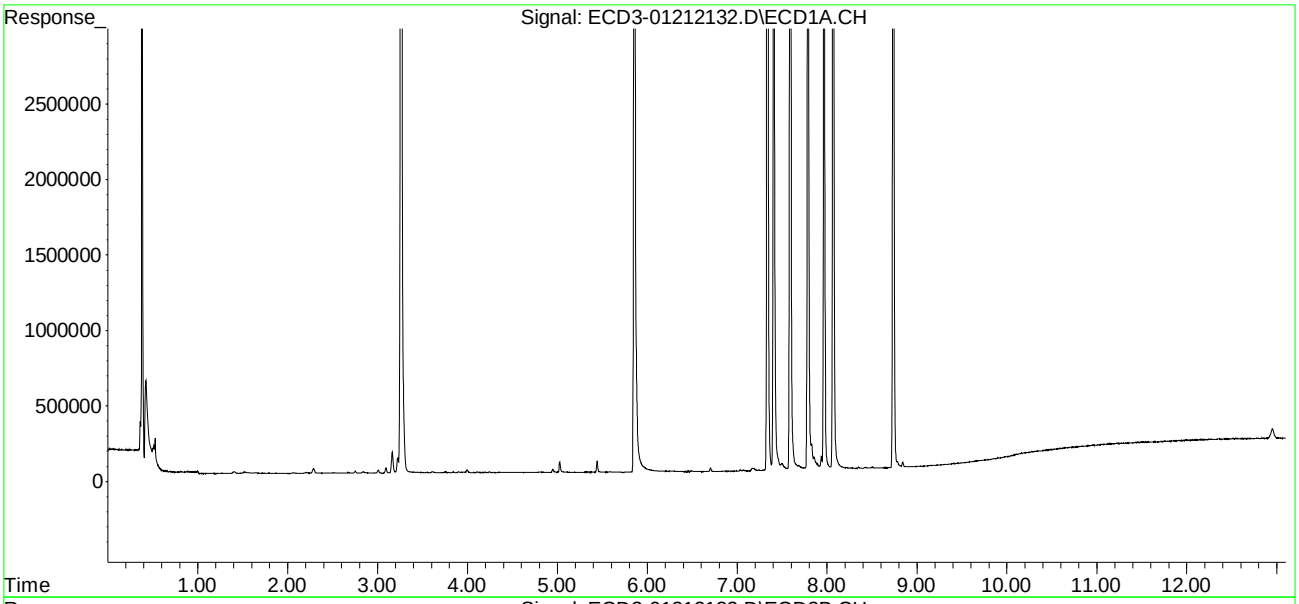
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.067	8.517	9446565	5779953	53.034	54.149	
31)	Mirex	8.735	9.416	5802180	3493460	54.863	55.855	
32)	Chlordane...	0.000	7.960	0	5510818	N.D.	412.082	#
33)	Chlordane...	0.000	8.065	0	10371	N.D.	0.919	#
34)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.590f	8.254f	8956855	3211849	11089.975	2597.386	#
37)	Toxaphene...	7.935	8.671f	80520	7148	44.469	5.090	#
38)	Toxaphene...	0.000	8.671	0	7148	N.D.	3.562	#
39)	Toxaphene...	8.500f	0.000	8634	0	2.453	N.D.	#
40)	Toxaphene...	8.735f	0.000	5802180	0	2139.806	N.D.	#
41)	Toxaphene...	8.781	9.303	36354	9217	11.528	4.539	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

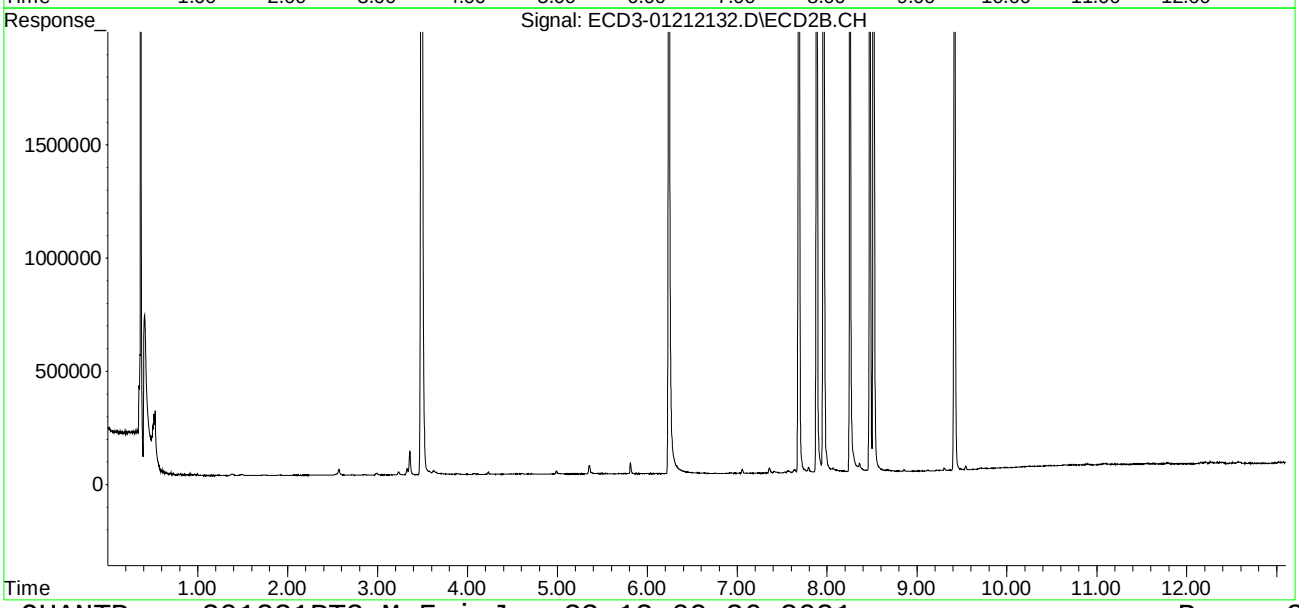
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212132.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 21:03
Operator : MJB
Sample : 1A21053-CCV6
Misc : A21A187, 9-42 50 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 22 12:09:05 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212133.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 21:20
Operator : MJB
Sample : 1A21053-CCB3 MJB 1/22/21
Misc : A20L446
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 22 12:10:06 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.470	5.777	14783579	9028661	79.746	84.702	
22) S	DCBP (S)	9.680	10.265	10583163	6010813	97.679	101.852	
	Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)	g-BHC	0.000	0.000	0	0	N.D.	N.D.	
4)	b-BHC	0.000	0.000	0	0	N.D.	N.D.	
5)	Heptachlor	0.000	0.000	0	0	N.D.	N.D.	
6)	d-BHC	0.000	0.000	0	0	N.D.	N.D.	
7)	Aldrin	0.000	7.358f	0	6765	N.D.	0.054	#
8)	Heptachlo...	0.000	0.000	0	0	N.D.	N.D.	
9)	trans-Chl...	7.498	7.928f	7007	1231	0.038	6778.245	#
10)	cis-Chlor...	0.000	0.000	0	0	N.D.	N.D.	
11)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
12)	4,4'-DDE	0.000	0.000	0	0	N.D.	N.D.	
13)	Dieldrin	0.000	0.000	0	0	N.D.	N.D.	
14)	Endrin	0.000	0.000	0	0	N.D.	N.D.	
15)	4,4'-DDD	0.000	0.000	0	0	N.D.	N.D.	
16)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
17)	4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	
18)	Endrin Al...	0.000	0.000	0	0	N.D.	N.D.	
19)	Endosulfa...	0.000	9.026f	0	1994	N.D.	0.027	#
20)	Methoxychlor	8.626	9.182f	3956	1871	BelowCal	BelowCal	
21)	Endrin Ke...	8.989	0.000	3545	0	0.025	N.D.	#
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)	Hexachlor...	5.857	0.000	24982	0	BelowCal	N.D.	
25)	Oxychlordane	0.000	0.000	0	0	N.D.	N.D.	
26)	2,4'-DDE	0.000	0.000	0	0	N.D.	N.D.	
27)	trans-Non...	0.000	0.000	0	0	N.D.	N.D.	
28)	2,4'-DDD	0.000	0.000	0	0	N.D.	N.D.	
29)	2,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212133.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 21:20
Operator : MJB
Sample : 1A21053-CCB3
Misc : A20L446
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 22 12:10:06 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

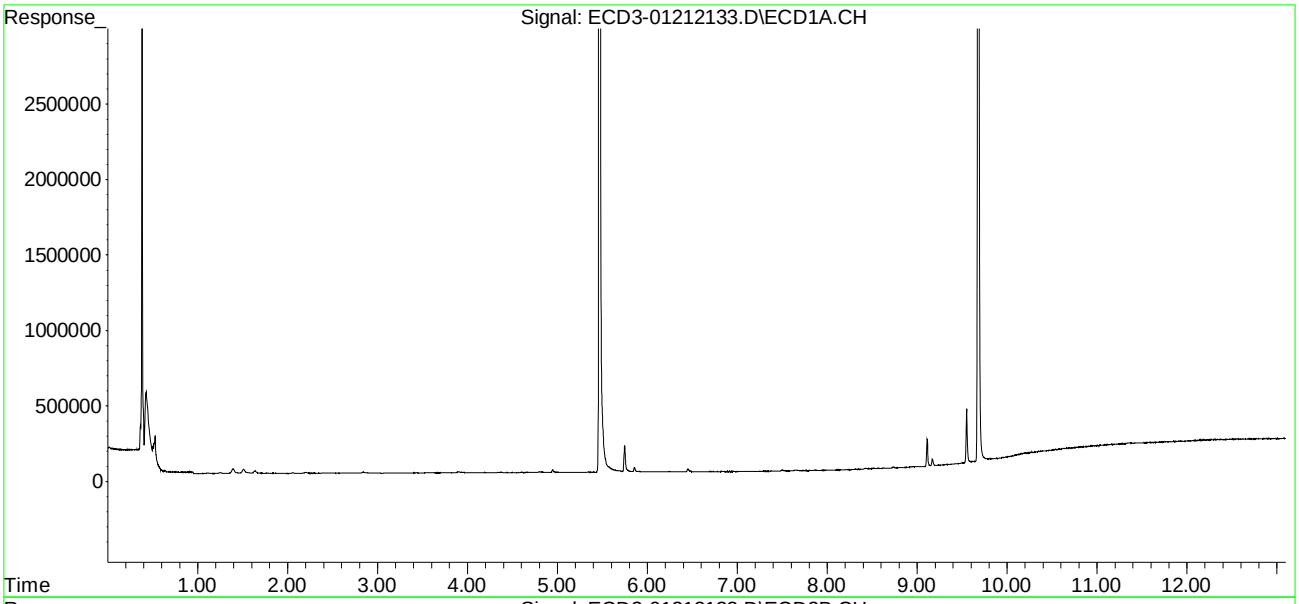
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	0.000	0.000	0	0	N.D.	N.D.	
31)	Mirex	8.734	0.000	7477	0	BelowCal	N.D.	
32)	Chlordane...	0.000	7.928f	0	1231	N.D.	0.092	#
33)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
34)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
37)	Toxaphene...	0.000	8.667f	0	1943	N.D.	1.384	#
38)	Toxaphene...	0.000	8.667	0	1943	N.D.	0.968	#
39)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
40)	Toxaphene...	8.734f	0.000	7477	0	2.757	N.D.	#
41)	Toxaphene...	0.000	9.292	0	4020	N.D.	1.979	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

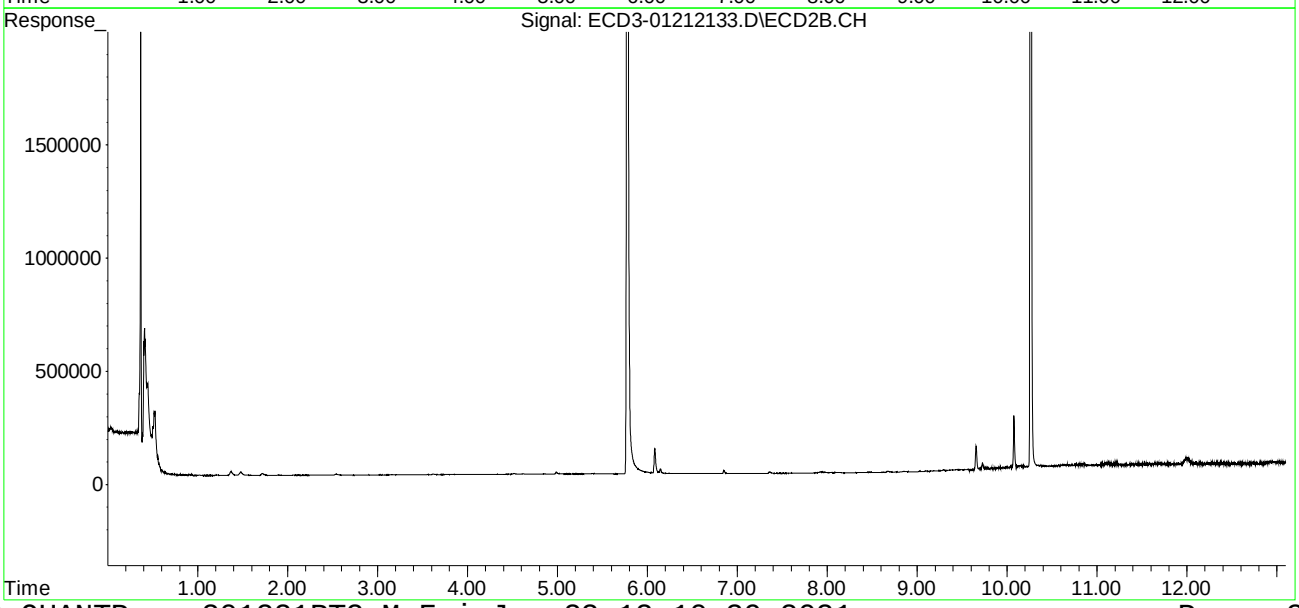
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2021-01\1A21053\
Data File : ECD3-01212133.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Jan 2021 21:20
Operator : MJB
Sample : 1A21053-CCB3
Misc : A20L446
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Jan 22 12:10:06 2021
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221RT2.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Organochloride Pesticides by EPA 8081B
Calibration Data

Sequence 0L21060 (Cal ID A0L2210) DUALECD3

ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence:	**0L21060**	Instrument:	**DUALECD3**
Date:	**12/21/20 15:03**	Calibration:	**A0L2210**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0L21060-BKD1	Water	QC	QC				A20K279
2	0L21060-ICB1	Water	QC	QC				A20L152
3	0L21060-CAL1	Water	QC	QC				A20L362
4	0L21060-CAL2	Water	QC	QC				A20L363
5	0L21060-CAL3	Water	QC	QC				A20H471
6	0L21060-CAL4	Water	QC	QC				A20H472
7	0L21060-CAL5	Water	QC	QC				A20H473
8	0L21060-CAL6	Water	QC	QC				A20H474
9	0L21060-CAL7	Water	QC	QC				A20L216
10	0L21060-CAL8	Water	QC	QC				A20L217
11	0L21060-CAL9	Water	QC	QC				A20H470
12	0L21060-IBL1	Water	QC	QC				
13	0L21060-ICV1	Water	QC	QC				A20I130
14	0L21060-CALA	Water	QC	QC				A20L364
15	0L21060-CALB	Water	QC	QC				A20I180
16	0L21060-CALC	Water	QC	QC				A20I181
17	0L21060-CALD	Water	QC	QC				A20I182
18	0L21060-CALE	Water	QC	QC				A20I183
19	0L21060-CALF	Water	QC	QC				A20I184
20	0L21060-CALG	Water	QC	QC				A20I185
21	0L21060-CALH	Water	QC	QC				A20I186
22	0L21060-CALI	Water	QC	QC				A20I179
23	0L21060-IBL2	Water	QC	QC				
24	0L21060-ICV2	Water	QC	QC				A20I187
25	0L21060-CALJ	Water	QC	QC				A20L365
26	0L21060-CALK	Water	QC	QC				A20L139
27	0L21060-CALL	Water	QC	QC				A20L140
28	0L21060-CALM	Water	QC	QC				A20L141
29	0L21060-CALN	Water	QC	QC				A20L142
30	0L21060-CALO	Water	QC	QC				A20L143
31	0L21060-CALP	Water	QC	QC				A20L138
32	0L21060-IBL3	Water	QC	QC				
33	0L21060-ICV3	Water	QC	QC				A20L144
34	0L21060-CALQ	Water	QC	QC				A20L366
35	0L21060-CALR	Water	QC	QC				A20K260
36	0L21060-CALS	Water	QC	QC				A20K261
37	0L21060-CALT	Water	QC	QC				A20K262
38	0L21060-CALU	Water	QC	QC				A20K263
39	0L21060-CALV	Water	QC	QC				A20K264
40	0L21060-CALW	Water	QC	QC				A20K259
41	0L21060-IBL4	Water	QC	QC				
42	0L21060-ICV4	Water	QC	QC				A20K265

Data Entered By/Date: MJB 12/22/20

Comments: ICAL

Data Reviewed By/Date: MKZ 12/28/2020

Calibration Status Report DUALECD3

A0L2210

Method Path : C:\msdchem\3\METHODS\
Method File : ECD3_QUANTPEST_201221.M
Title : Instrument: DualECD3
Last Update : Tue Dec 22 16:07:25 2020
Response Via : Initial Calibration

MJB 12/22/20

#	ID	Conc	ISTD Conc	Path\File
1	1	10	0	C:\msdchem\3\data\2020-12\0L21060\ECD3-12212036.D
2	2	50	0	C:\msdchem\3\data\2020-12\0L21060\ECD3-12212037.D
3	3	100	0	C:\msdchem\3\data\2020-12\0L21060\ECD3-12212038.D
4	4	200	0	C:\msdchem\3\data\2020-12\0L21060\ECD3-12212039.D
5	5	500	0	C:\msdchem\3\data\2020-12\0L21060\ECD3-12212040.D
6	6	1000	0	C:\msdchem\3\data\2020-12\0L21060\ECD3-12212041.D
7	7	2000	0	C:\msdchem\3\data\2020-12\0L21060\ECD3-12212042.D
8	8	-1	0	C:\msdchem\3\data\2020-12\0L21060\ECD3-12212023.D
9	9	-1	0	C:\msdchem\3\data\2020-12\0L21060\ECD3-12212024.D

#	ID	Update Time	Quant Time	Acquisition Time
1	1	Dec 22 16:06 2020	Dec 22 15:59 2020	22 Dec 2020 1:27
2	2	Dec 22 16:06 2020	Dec 22 16:00 2020	22 Dec 2020 1:44
3	3	Dec 22 16:06 2020	Dec 22 16:00 2020	22 Dec 2020 2:01
4	4	Dec 22 16:07 2020	Dec 22 16:01 2020	22 Dec 2020 2:18
5	5	Dec 22 16:07 2020	Dec 22 15:58 2020	22 Dec 2020 2:35
6	6	Dec 22 16:07 2020	Dec 22 16:02 2020	22 Dec 2020 2:52
7	7	Dec 22 16:07 2020	Dec 22 16:02 2020	22 Dec 2020 3:09
8	8	Dec 22 16:05 2020	Dec 22 15:51 2020	21 Dec 2020 21:45
9	9	Dec 22 16:05 2020	Dec 22 15:52 2020	21 Dec 2020 22:02

ECD3_QUANTPEST_201221.M Tue Dec 22 18:38:41 2020

Response Factor Report DUALECD3

Method Path : C:\msdchem\3\METHODS\
Method File : ECD3_QUANTPEST_201221.M
Title : Instrument: DualECD3
Last Update : Tue Dec 22 16:07:25 2020
Response Via : Initial Calibration

MJB 12/22/20

Calibration Files
1 =ECD3-12212036.D 2 =ECD3-12212037.D 3 =ECD3-12212038.D 4 =ECD3-12212039.D
5 =ECD3-12212040.D 6 =ECD3-12212041.D 7 =ECD3-12212042.D 8 =ECD3-12212023.D
9 =ECD3-12212024.D

		Compound	1	2	3	4	5	6	7	8	9	Avg		%RSD
1)	S	TCMX (S)	2.136	2.106	1.897	1.809	1.811	1.717	1.690	1.749	1.769	1.854	E5	8.80
2)		a-BHC	2.473	2.533	2.362	2.313	2.345	2.317	2.218	2.372	2.483	2.380	E5	4.18
3)		g-BHC	2.212	2.298	2.084	2.026	2.059	1.993	1.945	2.065	2.127	2.090	E5	5.23
4)		b-BHC	1.174	1.150	1.011	0.939	0.899	0.865	0.831	0.874	0.897	0.960	E5	13.04
5)		Heptachlor	2.220	2.234	1.988	1.884	1.884	1.828	1.816	1.866	1.884	1.956	E5	8.23
6)		d-BHC	1.971	2.044	1.901	1.869	1.932	1.897	1.893	1.972	2.101	1.953	E5	3.96
7)		Aldrin	2.191	2.267	2.050	2.016	1.978	1.915	1.905	1.930	1.989	2.027	E5	6.19
8)		Heptachlor Exp...	2.144	2.115	1.848	1.763	1.751	1.647	1.659	1.688	1.728	1.816	E5	10.34
9)		trans-Chlordane	2.169	2.126	1.888	1.770	1.802	1.758	1.670	1.764	1.851	1.866	E5	9.16
10)		cis-Chlordane	2.243	2.085	1.868	1.781	1.769	1.655	1.602	1.695	1.777	1.831	E5	11.38
11)		Endosulfan I	1.896	1.884	1.687	1.647	1.599	1.524	1.523	1.509	1.571	1.649	E5	9.02
12)		4,4'-DDE	1.984	2.011	1.812	1.792	1.796	1.763	1.774	1.792	1.868	1.844	E5	5.01
13)		Dieldrin	2.015	2.042	1.844	1.799	1.798	1.721	1.720	1.760	1.859	1.840	E5	6.38
14)		Endrin	1.425	1.452	1.388	1.336	1.329	1.321	1.303	1.373	1.431	1.373	E5	3.94
15)		4,4'-DDD	1.461	1.540	1.420	1.370	1.418	1.377	1.382	1.425	1.515	1.434	E5	4.21
16)		Endosulfan II	1.589	1.610	1.421	1.357	1.367	1.318	1.312	1.330	1.405	1.412	E5	7.96
17)		4,4'-DDT	1.291	1.377	1.203	1.168	1.189	1.252	1.242	1.336	1.357	1.268	E5	6.00
18)		Endrin Aldehyde		1.917	1.649	1.272	1.250	1.180	1.140	1.150	1.234	1.349	E5	20.86
19)		Endosulfan Sul...	1.567	1.466	1.274	1.214	1.241	1.244	1.178	1.238	1.311	1.304	E5	9.86
20)		Methoxychlor	7.030	7.781	6.301	5.705	5.811	5.869	5.674	6.025	6.233	6.270	E4	11.24
21)		Endrin Ketone	1.575	1.574	1.364	1.295	1.336	1.314	1.293	1.388	1.467	1.401	E5	8.03
22)	S	DCBP (S)	1.438	1.453	1.223	1.145	1.120	1.081	1.060	1.035	1.092	1.183	E5	13.40
23)		Hexachlorobuta...	2.322	2.243	2.103	1.754	1.747	1.519	1.624	1.840	1.580	1.859	E5	15.85
24)		Hexachlorobenzene	2.426	2.260	2.010	1.683	1.713	1.643	1.649	1.790	1.704	1.875	E5	15.48
25)		Oxychlordane	2.053	1.860	1.696	1.454	1.457	1.429	1.407	1.528	1.463	1.594	E5	14.27
26)		2,4'-DDE	1.534	1.475	1.343	1.136	1.121	1.080	1.070	1.140	1.095	1.221	E5	14.76
27)		trans-Nonachlor	2.313	2.131	1.965	1.659	1.681	1.625	1.610	1.745	1.642	1.819	E5	14.09

Method Path : C:\msdchem\3\METHODS\
Method File : ECD3_QUANTPEST_201221.M
Title : Instrument: DualECD3
Last Update : Tue Dec 22 16:07:25 2020

28)	2,4'-DDD	1.317	1.287	1.177	0.989	0.972	0.974	0.961	1.040	1.016	1.082	E5	13.05
29)	2,4'-DDT	1.254	1.158	1.045	0.898	0.913	0.947	0.961	1.088	1.025	1.032	E5	11.51
30)	cis-Nonachlor	2.394	2.236	1.989	1.764	1.749	1.734	1.738	1.897	1.813	1.924	E5	12.49
31)	Mirex	1.729	1.537	1.325	1.089	1.048	1.024	1.013	1.077	1.068	1.212	E5	21.46
32)	Chlordane (1)	2.264	2.041	1.948	1.836	2.039	2.129	1.997			2.036	E4	6.65
33)	Chlordane (2)	2.216	1.995	1.860	1.684	1.869	2.053	1.902			1.940	E4	8.67
34)	Chlordane (3)	6.622	6.109	5.817	5.141	5.979	6.502	5.960			6.019	E3	8.09
35)	Chlordane - AVE										0.000		-1.00
36)	Toxaphene (1)	7.894	8.084	8.072	7.916	8.455	8.292	7.823			8.077	E2	2.83
37)	Toxaphene (2)	2.119	1.911	1.744	1.603	1.712	1.690	1.576			1.765	E3	10.78
38)	Toxaphene (3)	3.843	3.528	3.242	2.982	3.363	3.466	3.319			3.392	E3	7.84
39)	Toxaphene (4)	3.894	3.717	3.391	3.106	3.468	3.610	3.454			3.520	E3	7.16
40)	Toxaphene (5)	2.780	2.739	2.619	2.400	2.745	2.924	2.774			2.712	E3	6.04
41)	Toxaphene (6)	3.539	3.316	3.015	2.770	3.109	3.228	3.097			3.153	E3	7.68
42)	Toxaphene - AVE										0.000		-1.00

Signal #2 Calibration Files

1	=ECD3-12212036.D	2	=ECD3-12212037.D	3	=ECD3-12212038.D
4	=ECD3-12212039.D	5	=ECD3-12212040.D	6	=ECD3-12212041.D

	Compound	1	2	3	4	5	6	Avg	%RSD		
44) S	TCMX (S) #2	1.398	1.362	1.181	1.130	1.100	1.064	1.037	1.067	1.039	1.153 E5	11.86
45)	a-BHC #2	1.628	1.650	1.503	1.441	1.472	1.434	1.393	1.404	1.395	1.480 E5	6.57
46)	g-BHC #2	1.475	1.460	1.334	1.264	1.268	1.255	1.199	1.218	1.231	1.300 E5	7.84
47)	b-BHC #2	7.722	7.507	6.620	5.950	5.705	5.427	5.298	5.389	5.469	6.121 E4	15.34
48)	Heptachlor #2	1.441	1.393	1.226	1.162	1.163	1.159	1.131	1.132	1.144	1.217 E5	9.66
49)	d-BHC #2	1.225	1.268	1.171	1.124	1.150	1.159	1.161	1.176	1.193	1.181 E5	3.65
50)	Aldrin #2	1.407	1.446	1.275	1.227	1.226	1.180	1.176	1.156	1.153	1.250 E5	8.65
51)	Heptachlor Exp...	1.319	1.319	1.174	1.102	1.101	1.054	1.034	1.044	1.041	1.132 E5	10.13
52)	trans-Chlordan...	1.396	1.366	1.188	1.114	1.106	1.073	1.076	1.075	1.074	1.163 E5	11.09
53)	cis-Chlordane #2	1.337	1.311	1.128	1.051	1.071	1.017	1.004	1.026	1.003	1.105 E5	11.78
54)	Endosulfan I #2	1.174	1.174	1.049	0.977	0.965	0.956	0.940	0.953	0.969	1.017 E5	9.23
55)	4,4'-DDE #2	1.250	1.240	1.121	1.061	1.109	1.077	1.087	1.082	1.110	1.126 E5	6.20
56)	Dieldrin #2	1.268	1.258	1.119	1.076	1.088	1.058	1.062	1.078	1.077	1.120 E5	7.39
57)	Endrin #2	8.798	8.652	8.247	7.869	7.699	8.012	7.595	8.147	8.278	8.144 E4	4.96

Response Factor Report DUALECD3

Method Path : C:\msdchem\3\METHODS\
Method File : ECD3_QUANTPEST_201221.M
Title : Instrument: DualECD3
Last Update : Tue Dec 22 16:07:25 2020

58)		4,4'-DDD #2	9.498	9.812	8.623	8.378	8.367	8.423	8.342	8.646	8.968	8.784	E4	6.12
59)		Endosulfan II #2	1.019	1.005	0.882	0.822	0.823	0.817	0.807	0.810	0.848	0.870	E5	9.59
60)		4,4'-DDT #2	7.336	7.961	6.813	6.583	6.703	7.113	7.194	7.543	7.853	7.233	E4	6.77
61)		Endrin Aldehyd...		1.162	0.988	0.764	0.722	0.702	0.670	0.702	0.719	0.804	E5	21.86
62)		Endosulfan Sul...	8.239	8.299	7.293	6.856	7.052	7.051	7.060	7.293	7.625	7.419	E4	7.13
63)		Methoxychlor #2	4.183	4.493	3.726	3.340	3.395	3.421	3.307	3.719	3.835	3.713	E4	11.00
64)		Endrin Ketone #2	9.766	9.180	7.851	7.524	7.652	7.797	7.695	8.059	8.313	8.204	E4	9.39
65)	S	DCBP (S) #2	8.144	8.195	7.079	6.268	6.107	5.937	5.700	5.716	5.878	6.558	E4	15.29
66)		Hexachlorobuta...	1.713	1.620	1.546	1.225	1.206	1.085	1.113	1.222	1.022	1.306	E5	19.38
67)		Hexachlorobenz...	1.555	1.475	1.285	1.049	1.067	1.021	1.040	1.084	0.988	1.174	E5	18.05
68)		Oxychlordane #2	1.326	1.242	1.092	0.889	0.901	0.872	0.889	0.953	0.883	1.005	E5	17.22
69)		2,4'-DDE #2	9.986	9.357	8.529	7.012	6.961	6.950	7.007	7.472	6.881	7.795	E4	15.29
70)		trans-Nonachlo...	1.470	1.336	1.205	0.987	1.016	0.979	0.994	1.069	0.985	1.116	E5	16.22
71)		2,4'-DDD #2	8.923	8.368	7.330	6.153	6.018	5.967	5.980	6.426	6.074	6.804	E4	16.69
72)		2,4'-DDT #2	7.930	6.997	6.312	5.312	5.305	5.532	5.616	6.525	6.143	6.186	E4	14.15
73)		cis-Nonachlor #2	1.539	1.419	1.238	1.045	1.043	1.049	1.065	1.127	1.061	1.176	E5	15.71
74)		Mirex #2	1.032	0.923	0.800	0.655	0.611	0.596	0.600	0.644	0.617	0.720	E5	22.35
75)		Chlordane (1) #2	1.501	1.363	1.319	1.186	1.350	1.404	1.237			1.337	E4	7.81
76)		Chlordane (2) #2	1.339	1.147	1.092	1.003	1.122	1.155	1.039			1.128	E4	9.61
77)		Chlordane (3) #2	4.073	3.623	3.482	2.992	3.531	3.779	3.497			3.568	E3	9.21
78)		Chlordane - AV...										0.000		-1.00
79)		Toxaphene (1) #2	1.330	1.386	1.274	1.138	1.186	1.194	1.148			1.237	E3	7.69
80)		Toxaphene (2) #2	1.464	1.552	1.396	1.255	1.362	1.434	1.367			1.404	E3	6.62
81)		Toxaphene (3) #2	2.301	2.185	1.966	1.740	1.953	2.000	1.901			2.007	E3	9.23
82)		Toxaphene (4) #2	3.964	3.496	3.203	2.893	3.229	3.348	3.166			3.329	E3	10.07
83)		Toxaphene (5) #2	2.463	2.180	1.960	1.803	1.938	2.061	1.942			2.050	E3	10.55
84)		Toxaphene (6) #2	2.392	2.113	1.943	1.756	1.932	2.066	2.012			2.031	E3	9.68
85)		Toxaphene - AV...										0.000		-1.00

(#) = Out of Range

Compound List Report DUALECD3

Method Path : C:\msdchem\3\METHODS\
Method File : ECD3_QUANTPEST_201221.M
Title : Instrument: DualECD3
Last Update : Tue Dec 22 16:07:25 2020
Response Via : Initial Calibration

Total Cpnds : 85

MJB 12/22/20

PK#		Compound Name	Exp_RT	Rel_RT	Cal	A/H	ID
1	S	TCMX (S)	5.546	1.000	A	H	R
2		a-BHC	6.097	1.000	A	H	R
3		g-BHC	6.382	1.000	A	H	R
4		b-BHC	6.460	1.000	Q	H	R
5		Heptachlor	6.780	1.000	A	H	R
6		d-BHC	6.612	1.000	A	H	R
7		Aldrin	7.022	1.000	A	H	R
8		Heptachlor Expoxide	7.491	1.000	Q	H	R
9		trans-Chlordane	7.582	1.000	A	H	R
10		cis-Chlordane	7.681	1.000	Q	H	R
11		Endosulfan I	7.785	1.000	A	H	R
12		4,4'-DDE	7.732	1.000	A	H	R
13		Dieldrin	7.958	1.000	A	H	R
14		Endrin	8.128	1.000	A	H	R
15		4,4'-DDD	8.161	1.000	A	H	R
16		Endosulfan II	8.288	1.000	A	H	R
17		4,4'-DDT	8.357	1.000	A	H	R
18		Endrin Aldehyde	8.583	1.000	Q	H	R
19		Endosulfan Sulfate	8.889	1.000	A	H	R
20		Methoxychlor	8.687	1.000	Q	H	R
21		Endrin Ketone	9.089	1.000	A	H	R
22	S	DCBP (S)	9.757	1.000	Q	H	R
23		Hexachlorobutadiene	3.339	1.000	Q	H	R
24		Hexachlorobenzene	5.929	1.000	Q	H	R
25		Oxychlordane	7.410	1.000	Q	H	R
26		2,4'-DDE	7.477	1.000	Q	H	R
27		trans-Nonachlor	7.663	1.000	Q	H	R
28		2,4'-DDD	7.855	1.000	Q	H	R
29		2,4'-DDT	8.036	1.000	Q	H	R
30		cis-Nonachlor	8.142	1.000	Q	H	R
31		Mirex	8.812	1.000	Q	H	R
32		Chlordane (1)	7.579	1.000	A	H	R
33		Chlordane (2)	7.675	1.000	A	H	R
34		Chlordane (3)	8.232	1.000	A	H	R
35		Chlordane - AVE	3.834	1.000	A	H	R
36		Toxaphene (1)	7.658	1.000	A	H	R
37		Toxaphene (2)	7.954	1.000	Q	H	R
38		Toxaphene (3)	8.273	1.000	A	H	R
39		Toxaphene (4)	8.510	1.000	A	H	R
40		Toxaphene (5)	8.744	1.000	A	H	R
41		Toxaphene (6)	8.814	1.000	A	H	R
42		Toxaphene - AVE	3.836	1.000	A	H	R
43		Signal #2	0.000	1.000	A	H	R
44	S	TCMX (S) #2	5.877	1.000	Q	H	R
45		a-BHC #2	6.473	1.000	A	H	R
46		g-BHC #2	6.787	1.000	A	H	R
47		b-BHC #2	6.853	1.000	Q	H	R
48		Heptachlor #2	7.161	1.000	A	H	R
49		d-BHC #2	7.102	1.000	A	H	R
50		Aldrin #2	7.424	1.000	A	H	R
51		Heptachlor Expoxide #2	7.858	1.000	Q	H	R
52		trans-Chlordane #2	7.998	1.000	Q	H	R
53		cis-Chlordane #2	8.106	1.000	Q	H	R
54		Endosulfan I #2	8.155	1.000	A	H	R
55		4,4'-DDE #2	8.210	1.000	A	H	R
56		Dieldrin #2	8.354	1.000	A	H	R

57		Endrin #2	8.577	1.000		A	H	R
58		4,4'-DDD #2	8.624	1.000		A	H	R
59		Endosulfan II #2	8.724	1.000		A	H	R
60		4,4'-DDT #2	8.849	1.000		A	H	R
61		Endrin Aldehyde #2	8.959	1.000		Q	H	R
62		Endosulfan Sulfate #2	9.153	1.000		A	H	R
63		Methoxychlor #2	9.314	1.000		Q	H	R
64		Endrin Ketone #2	9.542	1.000		A	H	R
65	S	DCBP (S) #2	10.385	1.000		Q	H	R
66		Hexachlorobutadiene #2	3.586	1.000		Q	H	R
67		Hexachlorobenzene #2	6.337	1.000		Q	H	R
68		Oxychlordane #2	7.786	1.000		Q	H	R
69		2,4'-DDE #2	7.982	1.000		Q	H	R
70		trans-Nonachlor #2	8.062	1.000		Q	H	R
71		2,4'-DDD #2	8.354	1.000		Q	H	R
72		2,4'-DDT #2	8.576	1.000		Q	H	R
73		cis-Nonachlor #2	8.621	1.000		Q	H	R
74		Mirex #2	9.527	1.000		Q	H	R
75		Chlordane (1) #2	7.993	1.000		A	H	R
76		Chlordane (2) #2	8.100	1.000		A	H	R
77		Chlordane (3) #2	8.755	1.000		A	H	R
78		Chlordane - AVE #2	3.804	1.000		A	H	R
79		Toxaphene (1) #2	8.326	1.000		A	H	R
80		Toxaphene (2) #2	8.675	1.000		A	H	R
81		Toxaphene (3) #2	8.707	1.000		A	H	R
82		Toxaphene (4) #2	8.774	1.000		A	H	R
83		Toxaphene (5) #2	8.953	1.000		Q	H	R
84		Toxaphene (6) #2	9.324	1.000		A	H	R
85		Toxaphene - AVE #2	3.804	1.000		A	H	R

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

ECD3_QUANTPEST_201221.M Tue Dec 22 18:39:17 2020

Calibration Report DUALECD3

Method Path : C:\msdchem\3\METHODS\
Method File : ECD3_QUANTPEST_201221.M
Title : Instrument: DualECD3
Last Update : Tue Dec 22 16:07:25 2020
Response Via : Initial Calibration

MJB 12/22/20

Calibration Files
1 =ECD3-12212036 2 =ECD3-12212037 3 =ECD3-12212038 4 =ECD3-12212039 5 =ECD3-1
6 =ECD3-12212041 7 =ECD3-12212042 8 =ECD3-12212023 9 =ECD3-12212024

	Compound	Fit	Constant	Linear	Quad	RSD/Cf
1) S	TCMX (S)	Avg	-----	1.8538 e5	-----	0.0880
2)	a-BHC	Avg	-----	2.3795 e5	-----	0.0418
3)	g-BHC	Avg	-----	2.0898 e5	-----	0.0523
4)	b-BHC	Quad	1.6792 e4	8.9174 e4	-9.3426	0.9964
5)	Heptachlor	Avg	-----	1.9558 e5	-----	0.0823
6)	d-BHC	Avg	-----	1.9532 e5	-----	0.0396
7)	Aldrin	Avg	-----	2.0267 e5	-----	0.0619
8)	Heptachlor Expoxide	Quad	2.5770 e4	1.7065 e5	-3.7946	0.9979
9)	trans-Chlordane	Avg	-----	1.8664 e5	-----	0.0916
10)	cis-Chlordane	Quad	3.0451 e4	1.6891 e5	2.3465 e1	0.9983
11)	Endosulfan I	Avg	-----	1.6489 e5	-----	0.0902
12)	4,4'-DDE	Avg	-----	1.8435 e5	-----	0.0501
13)	Dieldrin	Avg	-----	1.8399 e5	-----	0.0638
14)	Endrin	Avg	-----	1.3733 e5	-----	0.0394
15)	4,4'-DDD	Avg	-----	1.4343 e5	-----	0.0421
16)	Endosulfan II	Avg	-----	1.4121 e5	-----	0.0796
17)	4,4'-DDT	Avg	-----	1.2683 e5	-----	0.0600
18)	Endrin Aldehyde	Quad	8.1982 e4	1.1409 e5	3.2519 e1	0.9978
19)	Endosulfan Sulfate	Avg	-----	1.3037 e5	-----	0.0986
20)	Methoxychlor	Quad	8.6105 e3	5.8251 e4	1.6918 e1	0.9925
21)	Endrin Ketone	Avg	-----	1.4006 e5	-----	0.0803
22) S	DCBP (S)	Quad	2.0246 e4	1.1074 e5	-2.6634 e1	0.9956
23)	Hexachlorobutadiene	Quad	3.5263 e4	1.7339 e5	-6.0968 e1	0.9911
24)	Hexachlorobenzene	Quad	4.1395 e4	1.6910 e5	1.3613 e1	0.9962
25)	Oxychlordane	Quad	3.3184 e4	1.4443 e5	1.5426 e1	0.9978
26)	2,4'-DDE	Quad	2.3966 e4	1.1268 e5	-1.9445 e1	0.9955
27)	trans-Nonachlor	Quad	3.5933 e4	1.6664 e5	-4.8737	0.9970
28)	2,4'-DDD	Quad	1.9432 e4	9.9278 e4	1.1791 e1	0.9953
29)	2,4'-DDT	Quad	1.7775 e4	9.2494 e4	7.0436 e1	0.9965
30)	cis-Nonachlor	Quad	3.5692 e4	1.7502 e5	4.5882 e1	0.9977
31)	Mirex	Quad	3.7667 e4	1.0478 e5	5.3308	0.9953
32)	Chlordane (1)	Avg	-----	2.0363 e4	-----	0.0665
33)	Chlordane (2)	Avg	-----	1.9399 e4	-----	0.0867
34)	Chlordane (3)	Avg	-----	6.0186 e3	-----	0.0809
35)	Chlordane - AVE	Avg	-----	-----	-----	0.0000
36)	Toxaphene (1)	Avg	-----	8.0765 e2	-----	0.0283
37)	Toxaphene (2)	Quad	4.1440 e3	1.7205 e3	-0.0679	0.9979
38)	Toxaphene (3)	Avg	-----	3.3918 e3	-----	0.0784
39)	Toxaphene (4)	Avg	-----	3.5202 e3	-----	0.0716
40)	Toxaphene (5)	Avg	-----	2.7115 e3	-----	0.0604
41)	Toxaphene (6)	Avg	-----	3.1534 e3	-----	0.0768
42)	Toxaphene - AVE	Avg	-----	-----	-----	0.0000

Signal #2

	Compound	Fit	Constant	Linear	Quad	RSD/Cf
1) S	TCMX (S)	Quad	1.7764 e4	1.0902 e5	-3.1150 e1	0.9981
2)	a-BHC	Avg	-----	1.4800 e5	-----	0.0657
3)	g-BHC	Avg	-----	1.3004 e5	-----	0.0784
4)	b-BHC	Quad	1.2101 e4	5.6842 e4	-1.9306 e1	0.9956
5)	Heptachlor	Avg	-----	1.2167 e5	-----	0.0966
6)	d-BHC	Avg	-----	1.1809 e5	-----	0.0365
7)	Aldrin	Avg	-----	1.2497 e5	-----	0.0865

8)		Heptachlor Expoxide	Quad	1.4245	e4	1.0841	e5 -3.0708	e1 0.9980
9)		trans-Chlordane	Quad	1.7423	e4	1.0953	e5 -1.6159	e1 0.9982
10)		cis-Chlordane	Quad	1.7106	e4	1.0420	e5 -2.3546	e1 0.9978
11)		Endosulfan I	Avg	-----		1.0173	e5 -----	0.0923
12)		4,4'-DDE	Avg	-----		1.1265	e5 -----	0.0620
13)		Dieldrin	Avg	-----		1.1204	e5 -----	0.0739
14)		Endrin	Avg	-----		8.1441	e4 -----	0.0496
15)		4,4'-DDD	Avg	-----		8.7843	e4 -----	0.0612
16)		Endosulfan II	Avg	-----		8.7047	e4 -----	0.0959
17)		4,4'-DDT	Avg	-----		7.2333	e4 -----	0.0677
18)		Endrin Aldehyde	Quad	5.1230	e4	6.7427	e4 1.9019	e1 0.9981
19)		Endosulfan Sulfate	Avg	-----		7.4186	e4 -----	0.0713
20)		Methoxychlor	Quad	5.3795	e3	3.3851	e4 2.2078	e1 0.9937
21)		Endrin Ketone	Avg	-----		8.2043	e4 -----	0.0939
22)	S	DCBP (S)	Quad	1.2536	e4	6.1157	e4 -2.2230	e1 0.9943
23)		Hexachlorobutadiene	Quad	2.9054	e4	1.2218	e5 -9.4429	e1 0.9899
24)		Hexachlorobenzene	Quad	2.7985	e4	1.0685	e5 -3.5005	e1 0.9943
25)		Oxychlordane	Quad	2.4025	e4	9.0327	e4 -3.6906	0.9946
26)		2,4'-DDE	Quad	1.6269	e4	7.1223	e4 -6.3187	0.9955
27)		trans-Nonachlor	Quad	2.5536	e4	1.0064	e5 -1.3490	0.9962
28)		2,4'-DDD	Quad	1.5995	e4	6.1119	e4 0.8391	0.9954
29)		2,4'-DDT	Quad	1.3457	e4	5.3819	e4 5.1378	e1 0.9960
30)		cis-Nonachlor	Quad	2.6748	e4	1.0554	e5 1.3083	e1 0.9966
31)		Mirex	Quad	2.2794	e4	6.2380	e4 -4.3405	0.9937
32)		Chlordane (1)	Avg	-----		1.3373	e4 -----	0.0781
33)		Chlordane (2)	Avg	-----		1.1280	e4 -----	0.0961
34)		Chlordane (3)	Avg	-----		3.5682	e3 -----	0.0921
35)		Chlordane - AVE	Avg	-----		-----	-----	0.0000
36)		Toxaphene (1)	Avg	-----		1.2366	e3 -----	0.0769
37)		Toxaphene (2)	Avg	-----		1.4042	e3 -----	0.0662
38)		Toxaphene (3)	Avg	-----		2.0065	e3 -----	0.0923
39)		Toxaphene (4)	Avg	-----		3.3286	e3 -----	0.1007
40)		Toxaphene (5)	Quad	5.5486	e3	1.9264	e3 0.0242	0.9971
41)		Toxaphene (6)	Avg	-----		2.0307	e3 -----	0.0968
42)		Toxaphene - AVE	Avg	-----		-----	-----	0.0000

ECD3_QUANTPEST_201221.M Tue Dec 22 18:39:39 2020

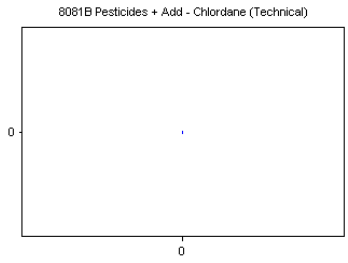
Element Calibration Review Sheet

Calibration ID: **A0L2210** Instrument: **DUALECD3** Calibration Date: **12/22/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD3_QUANTPEST_20122**

Chlordane (Technical)

Curve Fit: **AVERAGE RF**

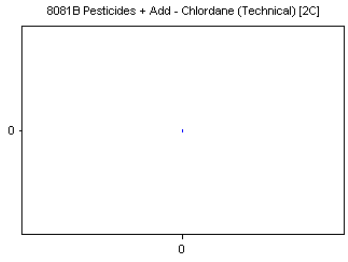


Standard	Concentration	Response	Response Factor	RT
0L21060-CALJ	10	0	0.000	0.00
0L21060-CALK	50	0	0.000	0.00
0L21060-CALL	100	0	0.000	0.00
0L21060-CALM	200	0	0.000	0.00
0L21060-CALN	500	0	0.000	0.00
0L21060-CALO	1000	0	0.000	0.00
0L21060-CALP	2000	0	0.000	0.00

AVE RF **0.000** RF RSD **0.00** AVE RT **0.00**

Chlordane (Technical) [2C]

Curve Fit: **AVERAGE RF**

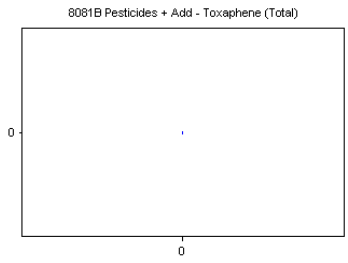


Standard	Concentration	Response	Response Factor	RT
0L21060-CALJ	10	0	0.000	0.00
0L21060-CALK	50	0	0.000	0.00
0L21060-CALL	100	0	0.000	0.00
0L21060-CALM	200	0	0.000	0.00
0L21060-CALN	500	0	0.000	0.00
0L21060-CALO	1000	0	0.000	0.00
0L21060-CALP	2000	0	0.000	0.00

AVE RF **0.000** RF RSD **0.00** AVE RT **0.00**

Toxaphene (Total)

Curve Fit: **AVERAGE RF**

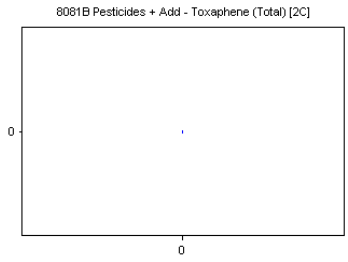


Standard	Concentration	Response	Response Factor	RT
0L21060-CALQ	10	0	0.000	0.00
0L21060-CALR	50	0	0.000	0.00
0L21060-CALS	100	0	0.000	0.00
0L21060-CALT	200	0	0.000	0.00
0L21060-CALU	500	0	0.000	0.00
0L21060-CALV	1000	0	0.000	0.00
0L21060-CALW	2000	0	0.000	0.00

AVE RF **0.000** RF RSD **0.00** AVE RT **0.00**

Toxaphene (Total) [2C]

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0L21060-CALQ	10	0	0.000	0.00
0L21060-CALR	50	0	0.000	0.00
0L21060-CALS	100	0	0.000	0.00
0L21060-CALT	200	0	0.000	0.00
0L21060-CALU	500	0	0.000	0.00
0L21060-CALV	1000	0	0.000	0.00
0L21060-CALW	2000	0	0.000	0.00

AVE RF **0.000** RF RSD **0.00** AVE RT **0.00**

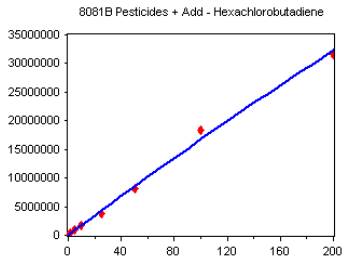
Element Calibration Review Sheet

Calibration ID: **A0L2210** Instrument: **DUALECD3** Calibration Date: **12/22/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD3_QUANTPEST_20122**

Hexachlorobutadiene

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

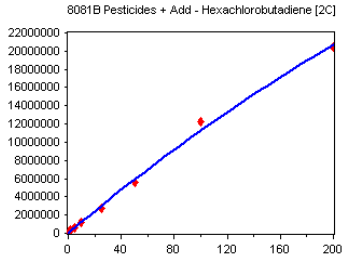


Standard	Concentration	Response	Response Factor	RT
0L21060-CALA	0.5	116077	232154.000	3.34
0L21060-CALB	1	224341	224341.000	3.34
0L21060-CALC	2	420677	210338.500	3.34
0L21060-CALD	5	876870	175374.000	3.34
0L21060-CALE	10	1746550	174655.000	3.34
0L21060-CALF	25	3798124	151925.000	3.34
0L21060-CALG	50	8119079	162381.600	3.34
0L21060-CALH	100	1.840465E+07	184046.500	3.34
0L21060-CALI	200	3.15942E+07	157971.000	3.34

AVE RF **185909.600** RF RSD **15.85** AVE RT **3.34**

Hexachlorobutadiene [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

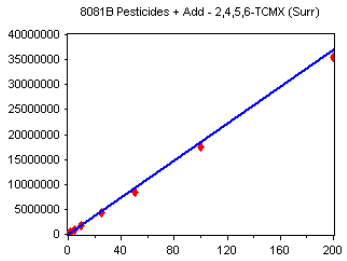


Standard	Concentration	Response	Response Factor	RT
0L21060-CALA	0.5	85637	171274.000	3.59
0L21060-CALB	1	161954	161954.000	3.59
0L21060-CALC	2	309224	154612.000	3.59
0L21060-CALD	5	612404	122480.800	3.59
0L21060-CALE	10	1205956	120595.600	3.59
0L21060-CALF	25	2711999	108480.000	3.59
0L21060-CALG	50	5563181	111263.600	3.59
0L21060-CALH	100	1.222223E+07	122222.300	3.59
0L21060-CALI	200	2.043921E+07	102196.000	3.59

AVE RF **130564.300** RF RSD **19.38** AVE RT **3.59**

2,4,5,6-TCMX (Surr)

Curve Fit: **AVERAGE RF**

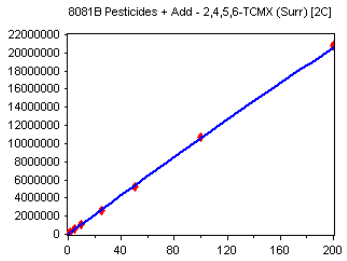


Standard	Concentration	Response	Response Factor	RT
0L21060-CAL1	0.5	106804	213608.000	5.55
0L21060-CAL2	1	210631	210631.000	5.55
0L21060-CAL3	2	379340	189670.000	5.55
0L21060-CAL4	5	904595	180919.000	5.55
0L21060-CAL5	10	1811285	181128.500	5.55
0L21060-CAL6	25	4292327	171693.100	5.55
0L21060-CAL7	50	8449727	168994.500	5.55
0L21060-CAL8	100	1.748852E+07	174885.200	5.55
0L21060-CAL9	200	3.538401E+07	176920.000	5.55

AVE RF **185383.300** RF RSD **8.80** AVE RT **5.55**

2,4,5,6-TCMX (Surr) [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
0L21060-CAL1	0.5	69896	139792.000	5.88
0L21060-CAL2	1	136219	136219.000	5.88
0L21060-CAL3	2	236182	118091.000	5.88
0L21060-CAL4	5	565071	113014.200	5.88
0L21060-CAL5	10	1100034	110003.400	5.88
0L21060-CAL6	25	2659552	106382.100	5.88
0L21060-CAL7	50	5182990	103659.800	5.88
0L21060-CAL8	100	1.067213E+07	106721.300	5.88
0L21060-CAL9	200	2.077928E+07	103896.400	5.88

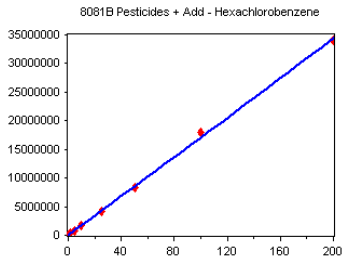
AVE RF **115308.800** RF RSD **11.86** AVE RT **5.88**

Element Calibration Review Sheet

Calibration ID: **A0L2210** Instrument: **DUALECD3** Calibration Date: **12/22/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD3_QUANTPEST_20122**

Hexachlorobenzene

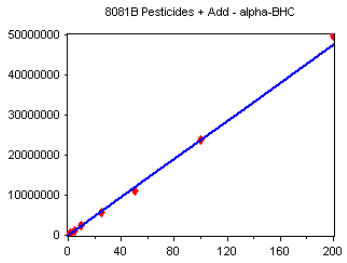


Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

Standard	Concentration	Response	Response Factor	RT
0L21060-CALA	0.5	121276	242552.000	5.93
0L21060-CALB	1	225998	225998.000	5.93
0L21060-CALC	2	401929	200964.500	5.93
0L21060-CALD	5	841692	168338.400	5.93
0L21060-CALE	10	1712514	171251.400	5.93
0L21060-CALF	25	4107406	164296.200	5.93
0L21060-CALG	50	8242553	164851.100	5.93
0L21060-CALH	100	1.790446E+07	179044.600	5.93
0L21060-CALI	200	3.408247E+07	170412.400	5.93

AVE RF **187523.200** RF RSD **15.48** AVE RT **5.93**

alpha-BHC

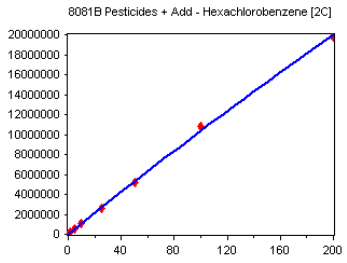


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0L21060-CAL1	0.5	123632	247264.000	6.10
0L21060-CAL2	1	253305	253305.000	6.10
0L21060-CAL3	2	472403	236201.500	6.10
0L21060-CAL4	5	1156526	231305.200	6.10
0L21060-CAL5	10	2345272	234527.200	6.10
0L21060-CAL6	25	5791909	231676.400	6.10
0L21060-CAL7	50	1.10892E+07	221784.000	6.10
0L21060-CAL8	100	2.371669E+07	237166.900	6.10
0L21060-CAL9	200	4.966948E+07	248347.400	6.10

AVE RF **237953.100** RF RSD **4.18** AVE RT **6.10**

Hexachlorobenzene [2C]

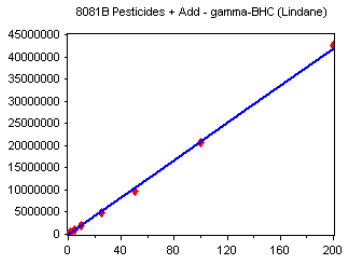


Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

Standard	Concentration	Response	Response Factor	RT
0L21060-CALA	0.5	77749	155498.000	6.34
0L21060-CALB	1	147483	147483.000	6.34
0L21060-CALC	2	256997	128498.500	6.34
0L21060-CALD	5	524266	104853.200	6.34
0L21060-CALE	10	1066777	106677.700	6.34
0L21060-CALF	25	2552005	102080.200	6.34
0L21060-CALG	50	5199519	103990.400	6.34
0L21060-CALH	100	1.083817E+07	108381.700	6.34
0L21060-CALI	200	1.976991E+07	98849.550	6.34

AVE RF **117368.000** RF RSD **18.05** AVE RT **6.34**

gamma-BHC (Lindane)



Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0L21060-CAL1	0.5	110605	221210.000	6.38
0L21060-CAL2	1	229798	229798.000	6.38
0L21060-CAL3	2	416735	208367.500	6.38
0L21060-CAL4	5	1012839	202567.800	6.38
0L21060-CAL5	10	2058709	205870.900	6.38
0L21060-CAL6	25	4982912	199316.500	6.38
0L21060-CAL7	50	9727393	194547.900	6.38
0L21060-CAL8	100	2.06515E+07	206515.000	6.38
0L21060-CAL9	200	4.253404E+07	212670.200	6.38

AVE RF **208984.900** RF RSD **5.23** AVE RT **6.38**

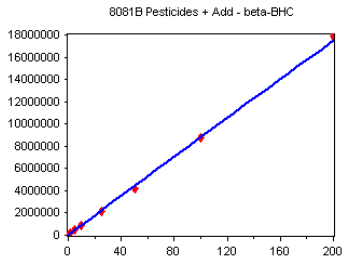
Element Calibration Review Sheet

Calibration ID: **A0L2210** Instrument: **DUALECD3** Calibration Date: **12/22/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD3_QUANTPEST_20122**

beta-BHC

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

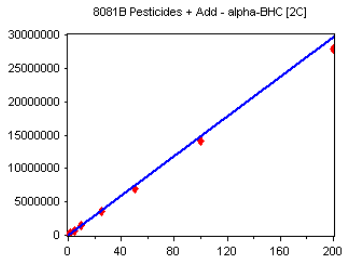


Standard	Concentration	Response	Response Factor	RT
0L21060-CAL1	0.5	58698	117396.000	6.46
0L21060-CAL2	1	114956	114956.000	6.46
0L21060-CAL3	2	202120	101060.000	6.46
0L21060-CAL4	5	469621	93924.200	6.46
0L21060-CAL5	10	899177	89917.700	6.46
0L21060-CAL6	25	2162195	86487.800	6.46
0L21060-CAL7	50	4154336	83086.720	6.46
0L21060-CAL8	100	8743523	87435.230	6.46
0L21060-CAL9	200	1.793888E+07	89694.400	6.46

AVE RF **95995.340** RF RSD **13.04** AVE RT **6.46**

alpha-BHC [2C]

Curve Fit: **AVERAGE RF**

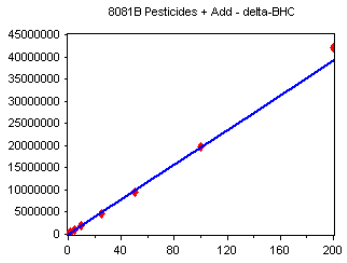


Standard	Concentration	Response	Response Factor	RT
0L21060-CAL1	0.5	81401	162802.000	6.47
0L21060-CAL2	1	164991	164991.000	6.47
0L21060-CAL3	2	300696	150348.000	6.47
0L21060-CAL4	5	720345	144069.000	6.47
0L21060-CAL5	10	1472236	147223.600	6.47
0L21060-CAL6	25	3584105	143364.200	6.47
0L21060-CAL7	50	6967464	139349.300	6.47
0L21060-CAL8	100	1.403677E+07	140367.700	6.47
0L21060-CAL9	200	2.789263E+07	139463.200	6.47

AVE RF **147997.500** RF RSD **6.57** AVE RT **6.47**

delta-BHC

Curve Fit: **AVERAGE RF**

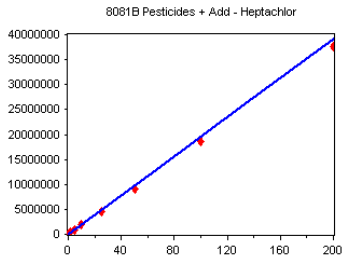


Standard	Concentration	Response	Response Factor	RT
0L21060-CAL1	0.5	98547	197094.000	6.61
0L21060-CAL2	1	204395	204395.000	6.61
0L21060-CAL3	2	380106	190053.000	6.61
0L21060-CAL4	5	934361	186872.200	6.61
0L21060-CAL5	10	1932007	193200.700	6.61
0L21060-CAL6	25	4741415	189656.600	6.61
0L21060-CAL7	50	9465517	189310.300	6.61
0L21060-CAL8	100	1.971905E+07	197190.500	6.61
0L21060-CAL9	200	4.201413E+07	210070.600	6.61

AVE RF **195315.900** RF RSD **3.96** AVE RT **6.61**

Heptachlor

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0L21060-CAL1	0.5	110990	221980.000	6.78
0L21060-CAL2	1	223360	223360.000	6.78
0L21060-CAL3	2	397591	198795.500	6.78
0L21060-CAL4	5	941769	188353.800	6.78
0L21060-CAL5	10	1884252	188425.200	6.78
0L21060-CAL6	25	4569863	182794.500	6.78
0L21060-CAL7	50	9077987	181559.700	6.78
0L21060-CAL8	100	1.865796E+07	186579.600	6.78
0L21060-CAL9	200	3.767995E+07	188399.800	6.78

AVE RF **195583.100** RF RSD **8.23** AVE RT **6.78**

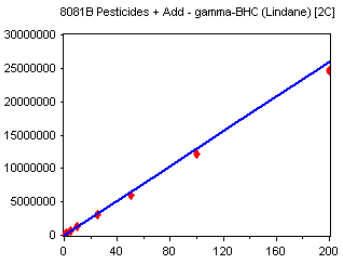
Element Calibration Review Sheet

Calibration ID: **A0L2210** Instrument: **DUALECD3** Calibration Date: **12/22/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD3_QUANTPEST_20122**

gamma-BHC (Lindane) [2C]

Curve Fit: **AVERAGE RF**

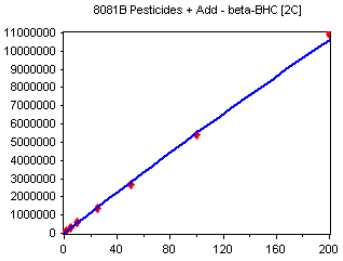


Standard	Concentration	Response	Response Factor	RT
0L21060-CAL1	0.5	73725	147450.000	6.79
0L21060-CAL2	1	146018	146018.000	6.79
0L21060-CAL3	2	266778	133389.000	6.79
0L21060-CAL4	5	631804	126360.800	6.79
0L21060-CAL5	10	1267705	126770.500	6.79
0L21060-CAL6	25	3138001	125520.000	6.79
0L21060-CAL7	50	5996365	119927.300	6.79
0L21060-CAL8	100	1.218027E+07	121802.700	6.79
0L21060-CAL9	200	2.462806E+07	123140.300	6.79

AVE RF **130042.100** RF RSD **7.84** AVE RT **6.79**

beta-BHC [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

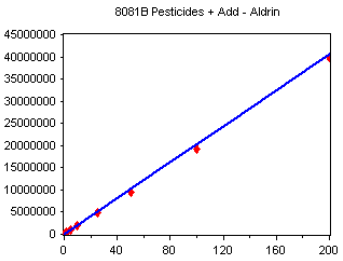


Standard	Concentration	Response	Response Factor	RT
0L21060-CAL1	0.5	38610	77220.000	6.86
0L21060-CAL2	1	75066	75066.000	6.86
0L21060-CAL3	2	132391	66195.500	6.86
0L21060-CAL4	5	297509	59501.800	6.85
0L21060-CAL5	10	570534	57053.400	6.86
0L21060-CAL6	25	1356700	54268.000	6.85
0L21060-CAL7	50	2649214	52984.280	6.85
0L21060-CAL8	100	5389312	53893.120	6.85
0L21060-CAL9	200	1.093891E+07	54694.550	6.85

AVE RF **61208.520** RF RSD **15.34** AVE RT **6.85**

Aldrin

Curve Fit: **AVERAGE RF**

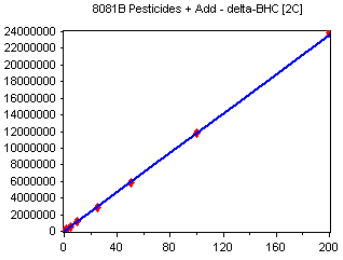


Standard	Concentration	Response	Response Factor	RT
0L21060-CAL1	0.5	109544	219088.000	7.02
0L21060-CAL2	1	226687	226687.000	7.02
0L21060-CAL3	2	409925	204962.500	7.02
0L21060-CAL4	5	1008006	201601.200	7.02
0L21060-CAL5	10	1977797	197779.700	7.02
0L21060-CAL6	25	4788242	191529.700	7.02
0L21060-CAL7	50	9523514	190470.300	7.02
0L21060-CAL8	100	1.930174E+07	193017.400	7.02
0L21060-CAL9	200	3.977306E+07	198865.300	7.02

AVE RF **202666.800** RF RSD **6.19** AVE RT **7.02**

delta-BHC [2C]

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0L21060-CAL1	0.5	61251	122502.000	7.10
0L21060-CAL2	1	126818	126818.000	7.10
0L21060-CAL3	2	234170	117085.000	7.10
0L21060-CAL4	5	562100	112420.000	7.10
0L21060-CAL5	10	1150262	115026.200	7.10
0L21060-CAL6	25	2898456	115938.200	7.10
0L21060-CAL7	50	5804524	116090.500	7.10
0L21060-CAL8	100	1.175521E+07	117552.100	7.10
0L21060-CAL9	200	2.386996E+07	119349.800	7.10

AVE RF **118086.900** RF RSD **3.65** AVE RT **7.10**

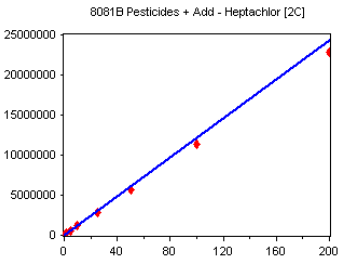
Element Calibration Review Sheet

Calibration ID: **A0L2210** Instrument: **DUALECD3** Calibration Date: **12/22/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD3_QUANTPEST_20122**

Heptachlor [2C]

Curve Fit: **AVERAGE RF**

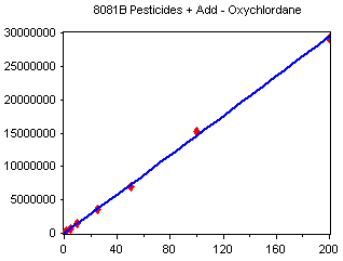


Standard	Concentration	Response	Response Factor	RT
0L21060-CAL1	0.5	72051	144102.000	7.16
0L21060-CAL2	1	139266	139266.000	7.16
0L21060-CAL3	2	245242	122621.000	7.16
0L21060-CAL4	5	580816	116163.200	7.16
0L21060-CAL5	10	1162531	116253.100	7.16
0L21060-CAL6	25	2896895	115875.800	7.16
0L21060-CAL7	50	5656967	113139.300	7.16
0L21060-CAL8	100	1.131581E+07	113158.100	7.16
0L21060-CAL9	200	2.288143E+07	114407.100	7.16

AVE RF **121665.100** RF RSD **9.66** AVE RT **7.16**

Oxychlordane

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

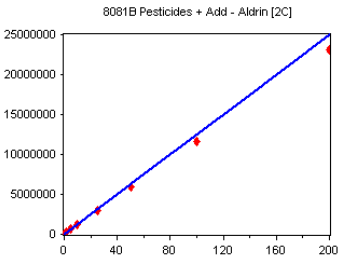


Standard	Concentration	Response	Response Factor	RT
0L21060-CALA	0.5	102641	205282.000	7.41
0L21060-CALB	1	185955	185955.000	7.41
0L21060-CALC	2	339179	169589.500	7.41
0L21060-CALD	5	726873	145374.600	7.41
0L21060-CALE	10	1456706	145670.600	7.41
0L21060-CALF	25	3571607	142864.300	7.41
0L21060-CALG	50	7035956	140719.100	7.41
0L21060-CALH	100	1.527743E+07	152774.300	7.41
0L21060-CALI	200	2.92562E+07	146281.000	7.41

AVE RF **159390.000** RF RSD **14.27** AVE RT **7.41**

Aldrin [2C]

Curve Fit: **AVERAGE RF**

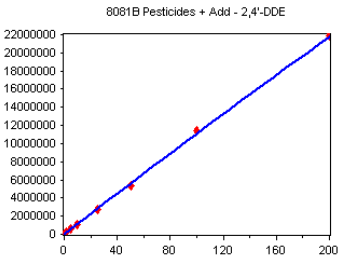


Standard	Concentration	Response	Response Factor	RT
0L21060-CAL1	0.5	70373	140746.000	7.43
0L21060-CAL2	1	144612	144612.000	7.43
0L21060-CAL3	2	254996	127498.000	7.43
0L21060-CAL4	5	613274	122654.800	7.42
0L21060-CAL5	10	1226388	122638.800	7.43
0L21060-CAL6	25	2950091	118003.600	7.42
0L21060-CAL7	50	5881869	117637.400	7.42
0L21060-CAL8	100	1.155982E+07	115598.200	7.42
0L21060-CAL9	200	2.306079E+07	115304.000	7.42

AVE RF **124965.900** RF RSD **8.65** AVE RT **7.42**

2,4'-DDE

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
0L21060-CALA	0.5	76692	153384.000	7.48
0L21060-CALB	1	147522	147522.000	7.48
0L21060-CALC	2	268568	134284.000	7.48
0L21060-CALD	5	568229	113645.800	7.48
0L21060-CALE	10	1120955	112095.500	7.48
0L21060-CALF	25	2699150	107966.000	7.48
0L21060-CALG	50	5349587	106991.700	7.48
0L21060-CALH	100	1.139584E+07	113958.400	7.48
0L21060-CALI	200	2.189195E+07	109459.800	7.48

AVE RF **122145.200** RF RSD **14.76** AVE RT **7.48**

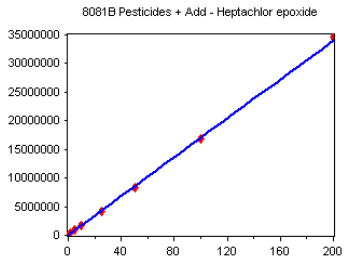
Element Calibration Review Sheet

Calibration ID: **A0L2210** Instrument: **DUALECD3** Calibration Date: **12/22/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD3_QUANTPEST_20122**

Heptachlor epoxide

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

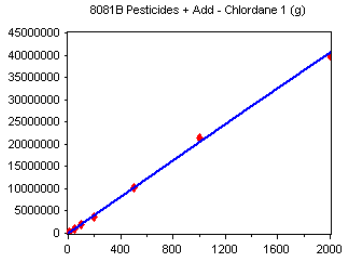


Standard	Concentration	Response	Response Factor	RT
0L21060-CAL1	0.5	107199	214398.000	7.49
0L21060-CAL2	1	211454	211454.000	7.49
0L21060-CAL3	2	369527	184763.500	7.49
0L21060-CAL4	5	881277	176255.400	7.49
0L21060-CAL5	10	1751300	175130.000	7.49
0L21060-CAL6	25	4116354	164654.200	7.49
0L21060-CAL7	50	8293354	165867.100	7.49
0L21060-CAL8	100	1.688252E+07	168825.200	7.49
0L21060-CAL9	200	3.456605E+07	172830.200	7.49

AVE RF **181575.300** RF RSD **10.34** AVE RT **7.49**

Chlordane 1 (g)

Curve Fit: **AVERAGE RF**

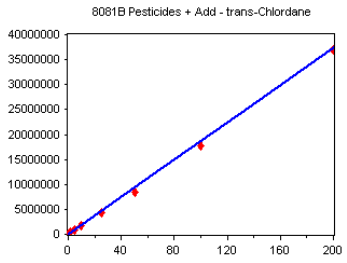


Standard	Concentration	Response	Response Factor	RT
0L21060-CALJ	10	226428	22642.800	7.58
0L21060-CALK	50	1020369	20407.380	7.58
0L21060-CALL	100	1948102	19481.020	7.58
0L21060-CALM	200	3672468	18362.340	7.58
0L21060-CALN	500	1.019464E+07	20389.280	7.58
0L21060-CALO	1000	2.128792E+07	21287.920	7.58
0L21060-CALP	2000	3.994382E+07	19971.910	7.58

AVE RF **20363.240** RF RSD **6.65** AVE RT **7.58**

trans-Chlordane

Curve Fit: **AVERAGE RF**

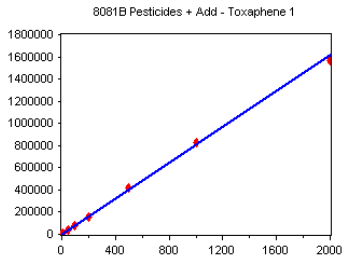


Standard	Concentration	Response	Response Factor	RT
0L21060-CAL1	0.5	108457	216914.000	7.59
0L21060-CAL2	1	212567	212567.000	7.58
0L21060-CAL3	2	377617	188808.500	7.58
0L21060-CAL4	5	885009	177001.800	7.58
0L21060-CAL5	10	1801581	180158.100	7.58
0L21060-CAL6	25	4394514	175780.600	7.58
0L21060-CAL7	50	8349258	166985.200	7.58
0L21060-CAL8	100	1.763735E+07	176373.500	7.58
0L21060-CAL9	200	3.702864E+07	185143.200	7.58

AVE RF **186636.900** RF RSD **9.16** AVE RT **7.58**

Toxaphene 1

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0L21060-CALQ	10	7894	789.400	7.66
0L21060-CALR	50	40420	808.400	7.66
0L21060-CALS	100	80720	807.200	7.66
0L21060-CALT	200	158319	791.595	7.66
0L21060-CALU	500	422733	845.466	7.66
0L21060-CALV	1000	829203	829.203	7.66
0L21060-CALW	2000	1564558	782.279	7.66

AVE RF **807.649** RF RSD **2.83** AVE RT **7.66**

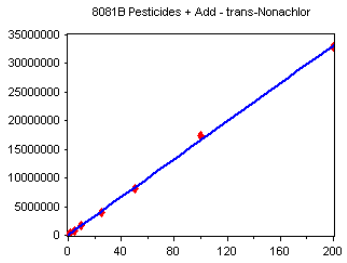
Element Calibration Review Sheet

Calibration ID: **A0L2210** Instrument: **DUALECD3** Calibration Date: **12/22/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD3_QUANTPEST_20122**

trans-Nonachlor

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

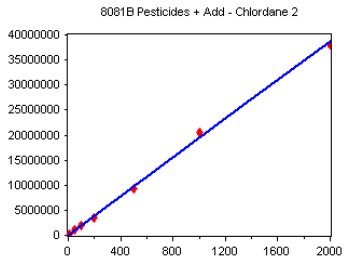


Standard	Concentration	Response	Response Factor	RT
0L21060-CALA	0.5	115657	231314.000	7.67
0L21060-CALB	1	213054	213054.000	7.67
0L21060-CALC	2	393050	196525.000	7.67
0L21060-CALD	5	829270	165854.000	7.66
0L21060-CALE	10	1681190	168119.000	7.67
0L21060-CALF	25	4062958	162518.300	7.67
0L21060-CALG	50	8049459	160989.200	7.66
0L21060-CALH	100	1.745275E+07	174527.500	7.66
0L21060-CALI	200	3.284023E+07	164201.200	7.66

AVE RF **181900.200** RF RSD **14.09** AVE RT **7.66**

Chlordane 2

Curve Fit: **AVERAGE RF**

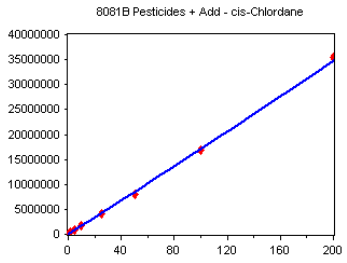


Standard	Concentration	Response	Response Factor	RT
0L21060-CALJ	10	221559	22155.900	7.68
0L21060-CALK	50	997730	19954.600	7.68
0L21060-CALL	100	1860231	18602.310	7.68
0L21060-CALM	200	3368971	16844.860	7.67
0L21060-CALN	500	9343189	18686.380	7.68
0L21060-CALO	1000	2.05253E+07	20525.300	7.67
0L21060-CALP	2000	3.804202E+07	19021.010	7.67

AVE RF **19398.620** RF RSD **8.67** AVE RT **7.67**

cis-Chlordane

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

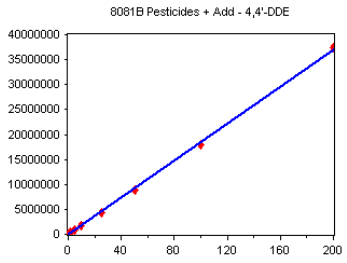


Standard	Concentration	Response	Response Factor	RT
0L21060-CAL1	0.5	112144	224288.000	7.68
0L21060-CAL2	1	208537	208537.000	7.68
0L21060-CAL3	2	373540	186770.000	7.68
0L21060-CAL4	5	890255	178051.000	7.68
0L21060-CAL5	10	1769460	176946.000	7.68
0L21060-CAL6	25	4136984	165479.400	7.68
0L21060-CAL7	50	8010309	160206.200	7.68
0L21060-CAL8	100	1.694653E+07	169465.300	7.68
0L21060-CAL9	200	3.554384E+07	177719.200	7.68

AVE RF **183051.300** RF RSD **11.38** AVE RT **7.68**

4,4'-DDE

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0L21060-CAL1	0.5	99213	198426.000	7.73
0L21060-CAL2	1	201100	201100.000	7.73
0L21060-CAL3	2	362455	181227.500	7.73
0L21060-CAL4	5	895827	179165.400	7.73
0L21060-CAL5	10	1796325	179632.500	7.73
0L21060-CAL6	25	4407331	176293.200	7.73
0L21060-CAL7	50	8868642	177372.800	7.73
0L21060-CAL8	100	1.791828E+07	179182.800	7.73
0L21060-CAL9	200	3.735475E+07	186773.800	7.73

AVE RF **184352.700** RF RSD **5.01** AVE RT **7.73**

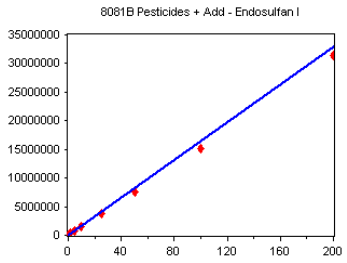
Element Calibration Review Sheet

Calibration ID: **A0L2210** Instrument: **DUALECD3** Calibration Date: **12/22/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD3_QUANTPEST_20122**

Endosulfan I

Curve Fit: **AVERAGE RF**

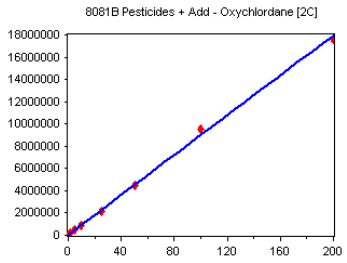


Standard	Concentration	Response	Response Factor	RT
0L21060-CAL1	0.5	94779	189558.000	7.79
0L21060-CAL2	1	188407	188407.000	7.79
0L21060-CAL3	2	337378	168689.000	7.79
0L21060-CAL4	5	823358	164671.600	7.79
0L21060-CAL5	10	1599068	159906.800	7.79
0L21060-CAL6	25	3810530	152421.200	7.79
0L21060-CAL7	50	7616651	152333.000	7.79
0L21060-CAL8	100	1.509173E+07	150917.300	7.78
0L21060-CAL9	200	3.141918E+07	157095.900	7.79

AVE RF **164888.900** RF RSD **9.02** AVE RT **7.79**

Oxychlordane [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

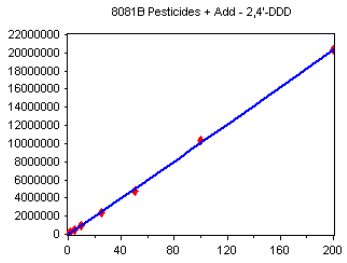


Standard	Concentration	Response	Response Factor	RT
0L21060-CALA	0.5	66283	132566.000	7.79
0L21060-CALB	1	124208	124208.000	7.79
0L21060-CALC	2	218305	109152.500	7.79
0L21060-CALD	5	444537	88907.400	7.79
0L21060-CALE	10	901175	90117.500	7.79
0L21060-CALF	25	2179006	87160.240	7.79
0L21060-CALG	50	4446714	88934.280	7.79
0L21060-CALH	100	9525593	95255.930	7.79
0L21060-CALI	200	1.765767E+07	88288.350	7.79

AVE RF **100510.000** RF RSD **17.22** AVE RT **7.79**

2,4'-DDD

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

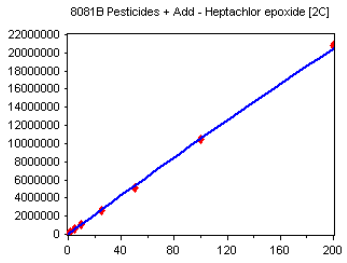


Standard	Concentration	Response	Response Factor	RT
0L21060-CALA	0.5	65841	131682.000	7.86
0L21060-CALB	1	128736	128736.000	7.86
0L21060-CALC	2	235482	117741.000	7.86
0L21060-CALD	5	494636	98927.200	7.86
0L21060-CALE	10	971587	97158.700	7.86
0L21060-CALF	25	2435351	97414.040	7.86
0L21060-CALG	50	4805659	96113.180	7.86
0L21060-CALH	100	1.040244E+07	104024.400	7.86
0L21060-CALI	200	2.032907E+07	101645.400	7.85

AVE RF **108160.200** RF RSD **13.05** AVE RT **7.86**

Heptachlor epoxide [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
0L21060-CAL1	0.5	65969	131938.000	7.86
0L21060-CAL2	1	131870	131870.000	7.86
0L21060-CAL3	2	234828	117414.000	7.86
0L21060-CAL4	5	551153	110230.600	7.86
0L21060-CAL5	10	1100756	110075.600	7.86
0L21060-CAL6	25	2635629	105425.200	7.86
0L21060-CAL7	50	5168278	103365.600	7.86
0L21060-CAL8	100	1.043881E+07	104388.100	7.86
0L21060-CAL9	200	2.082632E+07	104131.600	7.86

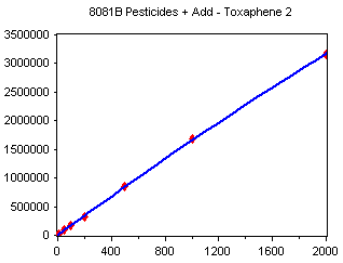
AVE RF **113204.300** RF RSD **10.13** AVE RT **7.86**

Element Calibration Review Sheet

Calibration ID: **A0L2210** Instrument: **DUALECD3** Calibration Date: **12/22/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD3_QUANTPEST_20122**

Toxaphene 2

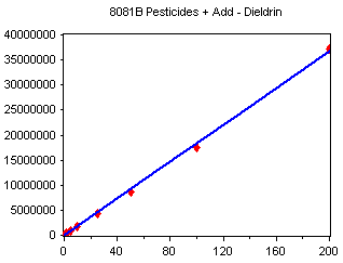


Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

Standard	Concentration	Response	Response Factor	RT
0L21060-CALQ	10	21187	2118.700	7.96
0L21060-CALR	50	95568	1911.360	7.96
0L21060-CALS	100	174395	1743.950	7.95
0L21060-CALT	200	320550	1602.750	7.95
0L21060-CALU	500	856217	1712.434	7.95
0L21060-CALV	1000	1690461	1690.461	7.95
0L21060-CALW	2000	3151775	1575.887	7.95

AVE RF **1765.077** RF RSD **10.78** AVE RT **7.95**

Dieldrin

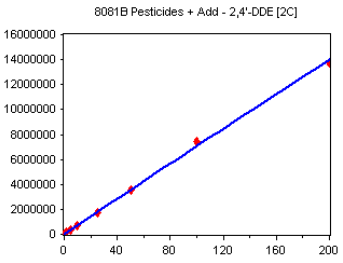


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0L21060-CAL1	0.5	100761	201522.000	7.96
0L21060-CAL2	1	204239	204239.000	7.96
0L21060-CAL3	2	368744	184372.000	7.96
0L21060-CAL4	5	899662	179932.400	7.96
0L21060-CAL5	10	1798355	179835.500	7.96
0L21060-CAL6	25	4302986	172119.400	7.96
0L21060-CAL7	50	8600411	172008.200	7.96
0L21060-CAL8	100	1.759718E+07	175971.800	7.96
0L21060-CAL9	200	3.718024E+07	185901.200	7.96

AVE RF **183989.100** RF RSD **6.38** AVE RT **7.96**

2,4'-DDE [2C]

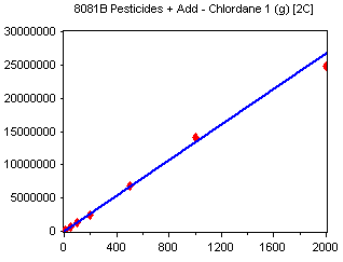


Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

Standard	Concentration	Response	Response Factor	RT
0L21060-CALA	0.5	49930	99860.000	7.99
0L21060-CALB	1	93570	93570.000	7.99
0L21060-CALC	2	170582	85291.000	7.99
0L21060-CALD	5	350613	70122.600	7.98
0L21060-CALE	10	696129	69612.900	7.98
0L21060-CALF	25	1737593	69503.720	7.98
0L21060-CALG	50	3503748	70074.960	7.98
0L21060-CALH	100	7471565	74715.650	7.98
0L21060-CALI	200	1.376237E+07	68811.850	7.98

AVE RF **77951.410** RF RSD **15.29** AVE RT **7.98**

Chlordane 1 (g) [2C]



Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0L21060-CALJ	10	150120	15012.000	7.99
0L21060-CALK	50	681639	13632.780	7.99
0L21060-CALL	100	1319101	13191.010	7.99
0L21060-CALM	200	2371758	11858.790	7.99
0L21060-CALN	500	6750792	13501.580	7.99
0L21060-CALO	1000	1.404349E+07	14043.490	7.99
0L21060-CALP	2000	2.474414E+07	12372.070	7.99

AVE RF **13373.100** RF RSD **7.81** AVE RT **7.99**

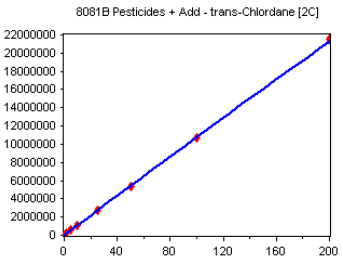
Element Calibration Review Sheet

Calibration ID: **A0L2210** Instrument: **DUALECD3** Calibration Date: **12/22/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD3_QUANTPEST_20122**

trans-Chlordane [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

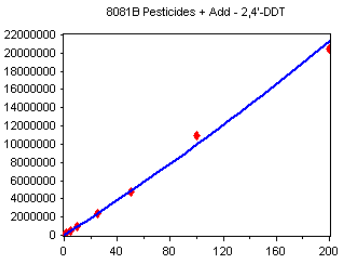


Standard	Concentration	Response	Response Factor	RT
0L21060-CAL1	0.5	69803	139606.000	8.00
0L21060-CAL2	1	136622	136622.000	8.00
0L21060-CAL3	2	237657	118828.500	8.00
0L21060-CAL4	5	557243	111448.600	8.00
0L21060-CAL5	10	1106023	110602.300	8.00
0L21060-CAL6	25	2681959	107278.400	8.00
0L21060-CAL7	50	5382417	107648.300	8.00
0L21060-CAL8	100	1.075069E+07	107506.900	8.00
0L21060-CAL9	200	2.1473E+07	107365.000	8.00

AVE RF **116322.900** RF RSD **11.09** AVE RT **8.00**

2,4'-DDT

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

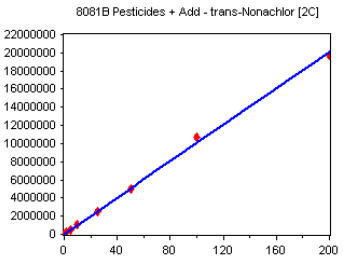


Standard	Concentration	Response	Response Factor	RT
0L21060-CALA	0.5	62703	125406.000	8.04
0L21060-CALB	1	115830	115830.000	8.04
0L21060-CALC	2	208983	104491.500	8.04
0L21060-CALD	5	448991	89798.200	8.04
0L21060-CALE	10	913433	91343.300	8.04
0L21060-CALF	25	2368688	94747.520	8.04
0L21060-CALG	50	4804132	96082.640	8.04
0L21060-CALH	100	1.088375E+07	108837.500	8.04
0L21060-CALI	200	2.050093E+07	102504.600	8.04

AVE RF **103226.800** RF RSD **11.51** AVE RT **8.04**

trans-Nonachlor [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

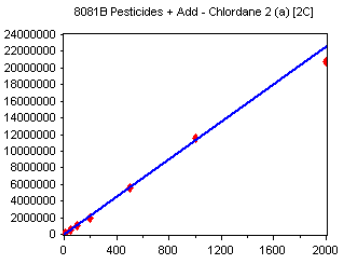


Standard	Concentration	Response	Response Factor	RT
0L21060-CALA	0.5	73522	147044.000	8.07
0L21060-CALB	1	133632	133632.000	8.06
0L21060-CALC	2	241013	120506.500	8.07
0L21060-CALD	5	493676	98735.200	8.06
0L21060-CALE	10	1015990	101599.000	8.06
0L21060-CALF	25	2446752	97870.080	8.06
0L21060-CALG	50	4969548	99390.960	8.06
0L21060-CALH	100	1.068843E+07	106884.300	8.06
0L21060-CALI	200	1.969546E+07	98477.300	8.06

AVE RF **111571.000** RF RSD **16.22** AVE RT **8.06**

Chlordane 2 (a) [2C]

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0L21060-CALJ	10	133909	13390.900	8.10
0L21060-CALK	50	573304	11466.080	8.10
0L21060-CALL	100	1091683	10916.830	8.10
0L21060-CALM	200	2006346	10031.730	8.10
0L21060-CALN	500	5611703	11223.410	8.10
0L21060-CALO	1000	1.154608E+07	11546.080	8.10
0L21060-CALP	2000	2.077148E+07	10385.740	8.10

AVE RF **11280.110** RF RSD **9.61** AVE RT **8.10**

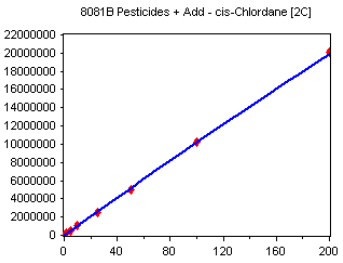
Element Calibration Review Sheet

Calibration ID: **A0L2210** Instrument: **DUALECD3** Calibration Date: **12/22/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD3_QUANTPEST_20122**

cis-Chlordane [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

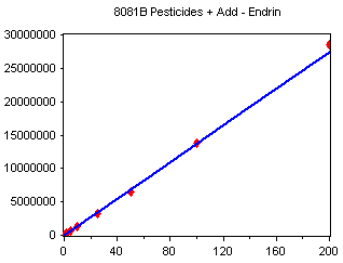


Standard	Concentration	Response	Response Factor	RT
0L21060-CAL1	0.5	66856	133712.000	8.11
0L21060-CAL2	1	131123	131123.000	8.11
0L21060-CAL3	2	225561	112780.500	8.11
0L21060-CAL4	5	525455	105091.000	8.11
0L21060-CAL5	10	1071482	107148.200	8.11
0L21060-CAL6	25	2543108	101724.300	8.11
0L21060-CAL7	50	5019443	100388.900	8.11
0L21060-CAL8	100	1.02555E+07	102555.000	8.11
0L21060-CAL9	200	2.006548E+07	100327.400	8.11

AVE RF **110538.900** RF RSD **11.78** AVE RT **8.11**

Endrin

Curve Fit: **AVERAGE RF**

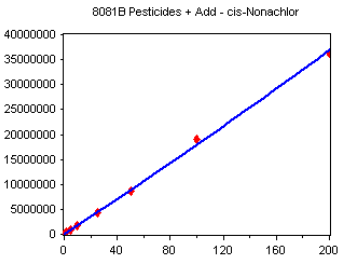


Standard	Concentration	Response	Response Factor	RT
0L21060-CAL1	0.5	71271	142542.000	8.13
0L21060-CAL2	1	145244	145244.000	8.13
0L21060-CAL3	2	277648	138824.000	8.13
0L21060-CAL4	5	668190	133638.000	8.13
0L21060-CAL5	10	1329488	132948.800	8.13
0L21060-CAL6	25	3302742	132109.700	8.13
0L21060-CAL7	50	6516946	130338.900	8.13
0L21060-CAL8	100	1.372948E+07	137294.800	8.13
0L21060-CAL9	200	2.861468E+07	143073.400	8.13

AVE RF **137334.800** RF RSD **3.94** AVE RT **8.13**

cis-Nonachlor

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

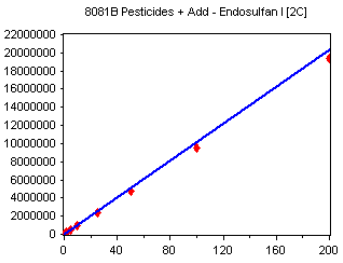


Standard	Concentration	Response	Response Factor	RT
0L21060-CALA	0.5	119694	239388.000	8.14
0L21060-CALB	1	223624	223624.000	8.14
0L21060-CALC	2	397849	198924.500	8.15
0L21060-CALD	5	882081	176416.200	8.14
0L21060-CALE	10	1748707	174870.700	8.14
0L21060-CALF	25	4335974	173439.000	8.14
0L21060-CALG	50	8691259	173825.200	8.14
0L21060-CALH	100	1.897175E+07	189717.500	8.14
0L21060-CALI	200	3.626327E+07	181316.400	8.14

AVE RF **192391.300** RF RSD **12.49** AVE RT **8.14**

Endosulfan I [2C]

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0L21060-CAL1	0.5	58689	117378.000	8.16
0L21060-CAL2	1	117365	117365.000	8.16
0L21060-CAL3	2	209769	104884.500	8.16
0L21060-CAL4	5	488714	97742.800	8.16
0L21060-CAL5	10	964804	96480.400	8.16
0L21060-CAL6	25	2388953	95558.120	8.16
0L21060-CAL7	50	4699799	93995.980	8.16
0L21060-CAL8	100	9528464	95284.640	8.15
0L21060-CAL9	200	1.938294E+07	96914.700	8.16

AVE RF **101733.800** RF RSD **9.23** AVE RT **8.16**

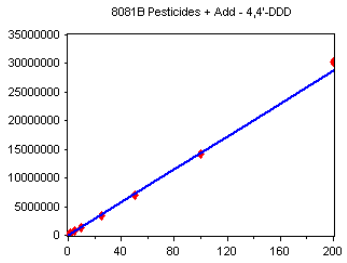
Element Calibration Review Sheet

Calibration ID: **A0L2210** Instrument: **DUALECD3** Calibration Date: **12/22/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD3_QUANTPEST_20122**

4,4'-DDD

Curve Fit: **AVERAGE RF**

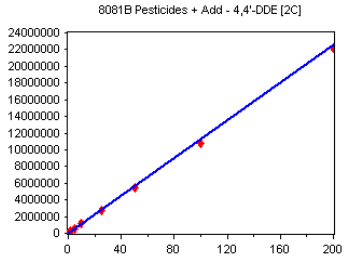


Standard	Concentration	Response	Response Factor	RT
0L21060-CAL1	0.5	73055	146110.000	8.16
0L21060-CAL2	1	154035	154035.000	8.16
0L21060-CAL3	2	284069	142034.500	8.16
0L21060-CAL4	5	684789	136957.800	8.16
0L21060-CAL5	10	1418309	141830.900	8.16
0L21060-CAL6	25	3443204	137728.200	8.16
0L21060-CAL7	50	6908209	138164.200	8.16
0L21060-CAL8	100	1.424928E+07	142492.800	8.16
0L21060-CAL9	200	3.029613E+07	151480.700	8.16

AVE RF **143426.000** RF RSD **4.21** AVE RT **8.16**

4,4'-DDE [2C]

Curve Fit: **AVERAGE RF**

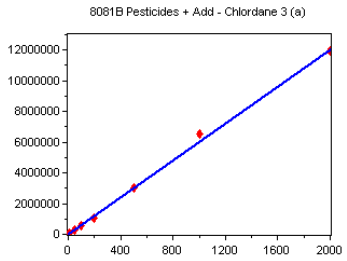


Standard	Concentration	Response	Response Factor	RT
0L21060-CAL1	0.5	62502	125004.000	8.21
0L21060-CAL2	1	124027	124027.000	8.21
0L21060-CAL3	2	224194	112097.000	8.21
0L21060-CAL4	5	530738	106147.600	8.21
0L21060-CAL5	10	1109448	110944.800	8.21
0L21060-CAL6	25	2693066	107722.600	8.21
0L21060-CAL7	50	5433116	108662.300	8.21
0L21060-CAL8	100	1.082093E+07	108209.300	8.21
0L21060-CAL9	200	2.220186E+07	111009.300	8.21

AVE RF **112647.100** RF RSD **6.20** AVE RT **8.21**

Chlordane 3 (a)

Curve Fit: **AVERAGE RF**

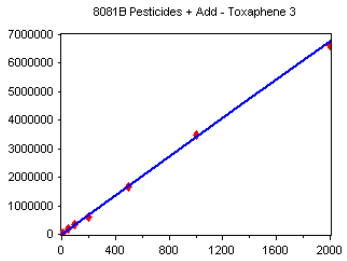


Standard	Concentration	Response	Response Factor	RT
0L21060-CALJ	10	66217	6621.700	8.23
0L21060-CALK	50	305467	6109.340	8.23
0L21060-CALL	100	581747	5817.470	8.23
0L21060-CALM	200	1028142	5140.710	8.23
0L21060-CALN	500	2989480	5978.960	8.23
0L21060-CALO	1000	6501835	6501.835	8.23
0L21060-CALP	2000	1.192086E+07	5960.430	8.23

AVE RF **6018.635** RF RSD **8.09** AVE RT **8.23**

Toxaphene 3

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0L21060-CALQ	10	38432	3843.200	8.27
0L21060-CALR	50	176411	3528.220	8.27
0L21060-CALS	100	324151	3241.510	8.27
0L21060-CALT	200	596479	2982.395	8.27
0L21060-CALU	500	1681427	3362.854	8.27
0L21060-CALV	1000	3465501	3465.501	8.27
0L21060-CALW	2000	6637949	3318.975	8.27

AVE RF **3391.808** RF RSD **7.84** AVE RT **8.27**

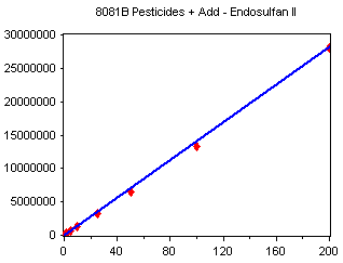
Element Calibration Review Sheet

Calibration ID: **A0L2210** Instrument: **DUALECD3** Calibration Date: **12/22/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD3_QUANTPEST_20122**

Endosulfan II

Curve Fit: **AVERAGE RF**

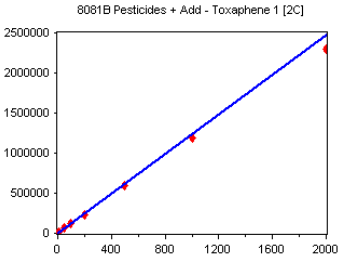


Standard	Concentration	Response	Response Factor	RT
0L21060-CAL1	0.5	79437	158874.000	8.29
0L21060-CAL2	1	160966	160966.000	8.29
0L21060-CAL3	2	284278	142139.000	8.29
0L21060-CAL4	5	678457	135691.400	8.29
0L21060-CAL5	10	1366711	136671.100	8.29
0L21060-CAL6	25	3295995	131839.800	8.29
0L21060-CAL7	50	6559635	131192.700	8.29
0L21060-CAL8	100	1.329551E+07	132955.100	8.29
0L21060-CAL9	200	2.810634E+07	140531.700	8.29

AVE RF **141206.800** RF RSD **7.96** AVE RT **8.29**

Toxaphene 1 [2C]

Curve Fit: **AVERAGE RF**

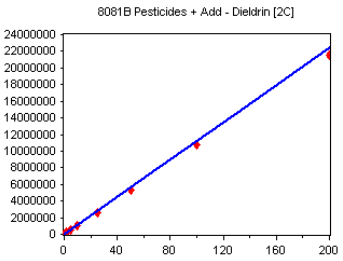


Standard	Concentration	Response	Response Factor	RT
0L21060-CALQ	10	13303	1330.300	8.33
0L21060-CALR	50	69277	1385.540	8.33
0L21060-CALS	100	127401	1274.010	8.32
0L21060-CALT	200	227615	1138.075	8.33
0L21060-CALU	500	593143	1186.286	8.33
0L21060-CALV	1000	1193747	1193.747	8.33
0L21060-CALW	2000	2296036	1148.018	8.33

AVE RF **1236.568** RF RSD **7.69** AVE RT **8.33**

Dieldrin [2C]

Curve Fit: **AVERAGE RF**

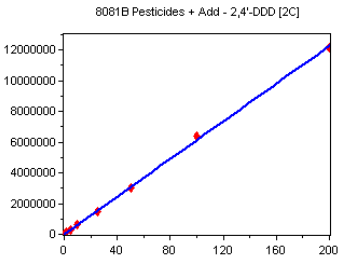


Standard	Concentration	Response	Response Factor	RT
0L21060-CAL1	0.5	63396	126792.000	8.36
0L21060-CAL2	1	125828	125828.000	8.36
0L21060-CAL3	2	223773	111886.500	8.36
0L21060-CAL4	5	537969	107593.800	8.35
0L21060-CAL5	10	1087832	108783.200	8.36
0L21060-CAL6	25	2644007	105760.300	8.35
0L21060-CAL7	50	5309375	106187.500	8.35
0L21060-CAL8	100	1.077844E+07	107784.400	8.35
0L21060-CAL9	200	2.154062E+07	107703.100	8.35

AVE RF **112035.400** RF RSD **7.39** AVE RT **8.35**

2,4'-DDD [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
0L21060-CALA	0.5	44616	89232.000	8.36
0L21060-CALB	1	83683	83683.000	8.36
0L21060-CALC	2	146610	73305.000	8.36
0L21060-CALD	5	307629	61525.800	8.36
0L21060-CALE	10	601785	60178.500	8.36
0L21060-CALF	25	1491641	59665.640	8.36
0L21060-CALG	50	2989830	59796.600	8.36
0L21060-CALH	100	6425794	64257.940	8.35
0L21060-CALI	200	1.214734E+07	60736.700	8.35

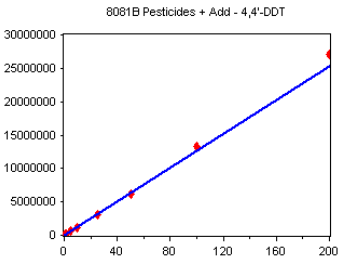
AVE RF **68042.350** RF RSD **16.69** AVE RT **8.36**

Element Calibration Review Sheet

Calibration ID: **A0L2210** Instrument: **DUALECD3** Calibration Date: **12/22/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD3_QUANTPEST_20122**

4,4'-DDT

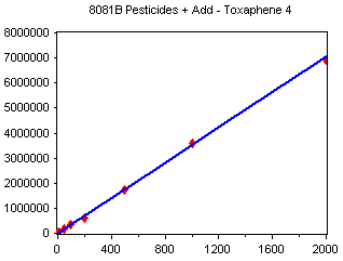


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0L21060-CAL1	0.5	64551	129102.000	8.36
0L21060-CAL2	1	137686	137686.000	8.36
0L21060-CAL3	2	240650	120325.000	8.36
0L21060-CAL4	5	583993	116798.600	8.36
0L21060-CAL5	10	1188853	118885.300	8.36
0L21060-CAL6	25	3129501	125180.000	8.36
0L21060-CAL7	50	6211273	124225.500	8.36
0L21060-CAL8	100	1.335573E+07	133557.300	8.36
0L21060-CAL9	200	2.714035E+07	135701.800	8.36

AVE RF **126829.000** RF RSD **6.00** AVE RT **8.36**

Toxaphene 4

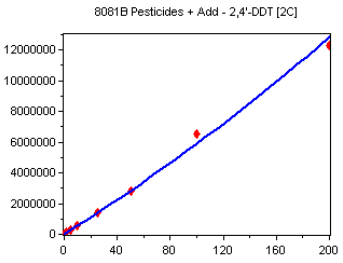


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0L21060-CALQ	10	38941	3894.100	8.51
0L21060-CALR	50	185856	3717.120	8.51
0L21060-CALS	100	339137	3391.370	8.51
0L21060-CALT	200	621267	3106.335	8.51
0L21060-CALU	500	1733969	3467.938	8.51
0L21060-CALV	1000	3610041	3610.041	8.51
0L21060-CALW	2000	6908567	3454.283	8.51

AVE RF **3520.170** RF RSD **7.16** AVE RT **8.51**

2,4'-DDT [2C]

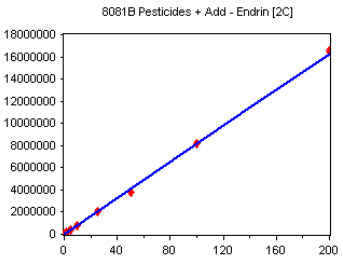


Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

Standard	Concentration	Response	Response Factor	RT
0L21060-CALA	0.5	39652	79304.000	8.58
0L21060-CALB	1	69970	69970.000	8.58
0L21060-CALC	2	126235	63117.500	8.58
0L21060-CALD	5	265611	53122.200	8.58
0L21060-CALE	10	530524	53052.400	8.58
0L21060-CALF	25	1382934	55317.360	8.58
0L21060-CALG	50	2808239	56164.780	8.58
0L21060-CALH	100	6525277	65252.770	8.58
0L21060-CALI	200	1.228657E+07	61432.850	8.58

AVE RF **61859.320** RF RSD **14.15** AVE RT **8.58**

Endrin [2C]



Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0L21060-CAL1	0.5	43990	87980.000	8.58
0L21060-CAL2	1	86522	86522.000	8.58
0L21060-CAL3	2	164932	82466.000	8.58
0L21060-CAL4	5	393436	78687.200	8.58
0L21060-CAL5	10	769861	76986.100	8.58
0L21060-CAL6	25	2002879	80115.160	8.58
0L21060-CAL7	50	3797575	75951.500	8.58
0L21060-CAL8	100	8147438	81474.380	8.58
0L21060-CAL9	200	1.655647E+07	82782.350	8.58

AVE RF **81440.520** RF RSD **4.96** AVE RT **8.58**

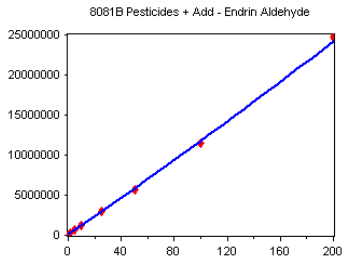
Element Calibration Review Sheet

Calibration ID: **A0L2210** Instrument: **DUALECD3** Calibration Date: **12/22/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD3_QUANTPEST_20122**

Endrin Aldehyde

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

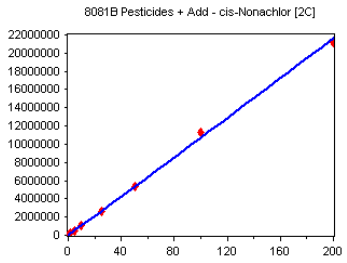


Standard	Concentration	Response	Response Factor	RT
~~0L21060-CAL1~~	~~0.5~~	~~91818~~	~~183636.000~~	~~8.59~~
0L21060-CAL2	1	191749	191749.000	8.59
0L21060-CAL3	2	329887	164943.500	8.59
0L21060-CAL4	5	636014	127202.800	8.58
0L21060-CAL5	10	1249909	124990.900	8.59
0L21060-CAL6	25	2950793	118031.700	8.58
0L21060-CAL7	50	5698586	113971.700	8.58
0L21060-CAL8	100	1.149587E+07	114958.700	8.58
0L21060-CAL9	200	2.467183E+07	123359.100	8.58

AVE RF **134900.900** RF RSD **20.86** AVE RT **8.58**

cis-Nonachlor [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

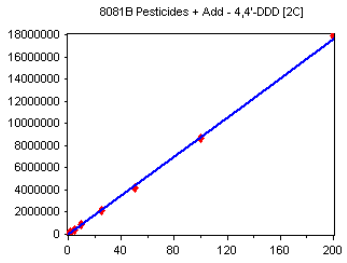


Standard	Concentration	Response	Response Factor	RT
0L21060-CALA	0.5	76941	153882.000	8.62
0L21060-CALB	1	141902	141902.000	8.62
0L21060-CALC	2	247638	123819.000	8.62
0L21060-CALD	5	522720	104544.000	8.62
0L21060-CALE	10	1043418	104341.800	8.62
0L21060-CALF	25	2622623	104904.900	8.62
0L21060-CALG	50	5323514	106470.300	8.62
0L21060-CALH	100	1.126799E+07	112679.900	8.62
0L21060-CALI	200	2.122016E+07	106100.800	8.62

AVE RF **117627.200** RF RSD **15.71** AVE RT **8.62**

4,4'-DDD [2C]

Curve Fit: **AVERAGE RF**

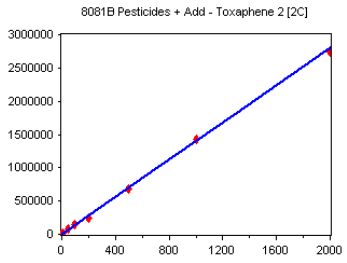


Standard	Concentration	Response	Response Factor	RT
0L21060-CAL1	0.5	47491	94982.000	8.63
0L21060-CAL2	1	98120	98120.000	8.63
0L21060-CAL3	2	172469	86234.500	8.63
0L21060-CAL4	5	418915	83783.000	8.62
0L21060-CAL5	10	836706	83670.600	8.62
0L21060-CAL6	25	2105719	84228.760	8.62
0L21060-CAL7	50	4171215	83424.300	8.62
0L21060-CAL8	100	8646172	86461.720	8.62
0L21060-CAL9	200	1.793586E+07	89679.300	8.62

AVE RF **87842.690** RF RSD **6.12** AVE RT **8.62**

Toxaphene 2 [2C]

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0L21060-CALQ	10	14637	1463.700	8.67
0L21060-CALR	50	77592	1551.840	8.68
0L21060-CALS	100	139609	1396.090	8.68
0L21060-CALT	200	250944	1254.720	8.68
0L21060-CALU	500	680900	1361.800	8.68
0L21060-CALV	1000	1433723	1433.723	8.68
0L21060-CALW	2000	2734770	1367.385	8.68

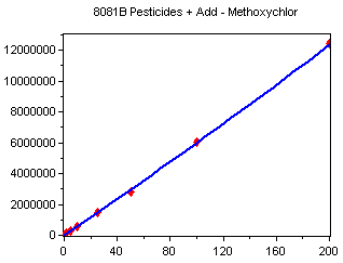
AVE RF **1404.180** RF RSD **6.62** AVE RT **8.68**

Element Calibration Review Sheet

Calibration ID: **A0L2210** Instrument: **DUALECD3** Calibration Date: **12/22/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD3_QUANTPEST_20122**

Methoxychlor

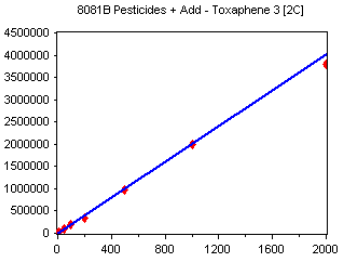


Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

Standard	Concentration	Response	Response Factor	RT
0L21060-CAL1	0.5	35149	70298.000	8.69
0L21060-CAL2	1	77813	77813.000	8.69
0L21060-CAL3	2	126015	63007.500	8.69
0L21060-CAL4	5	285264	57052.800	8.69
0L21060-CAL5	10	581055	58105.500	8.69
0L21060-CAL6	25	1467297	58691.880	8.69
0L21060-CAL7	50	2836894	56737.880	8.69
0L21060-CAL8	100	6024815	60248.150	8.69
0L21060-CAL9	200	1.246604E+07	62330.200	8.69

AVE RF **62698.320** RF RSD **11.24** AVE RT **8.69**

Toxaphene 3 [2C]

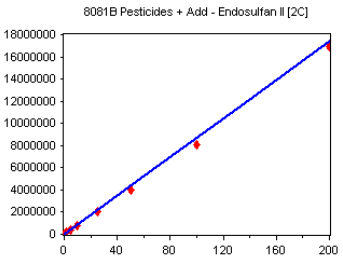


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0L21060-CALQ	10	23010	2301.000	8.71
0L21060-CALR	50	109266	2185.320	8.71
0L21060-CALS	100	196591	1965.910	8.71
0L21060-CALT	200	347952	1739.760	8.71
0L21060-CALU	500	976400	1952.800	8.71
0L21060-CALV	1000	2000028	2000.028	8.71
0L21060-CALW	2000	3801748	1900.874	8.71

AVE RF **2006.527** RF RSD **9.23** AVE RT **8.71**

Endosulfan II [2C]

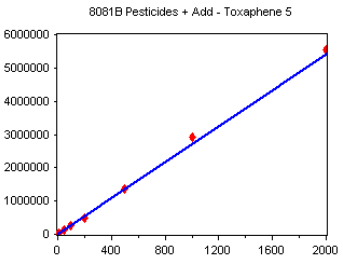


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0L21060-CAL1	0.5	50941	101882.000	8.73
0L21060-CAL2	1	100502	100502.000	8.73
0L21060-CAL3	2	176398	88199.000	8.73
0L21060-CAL4	5	411225	82245.000	8.72
0L21060-CAL5	10	823402	82340.200	8.72
0L21060-CAL6	25	2043625	81745.000	8.72
0L21060-CAL7	50	4037473	80749.460	8.72
0L21060-CAL8	100	8100389	81003.890	8.72
0L21060-CAL9	200	1.695095E+07	84754.750	8.72

AVE RF **87046.810** RF RSD **9.59** AVE RT **8.72**

Toxaphene 5



Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0L21060-CALQ	10	27799	2779.900	8.75
0L21060-CALR	50	136928	2738.560	8.74
0L21060-CALS	100	261912	2619.120	8.74
0L21060-CALT	200	480046	2400.230	8.74
0L21060-CALU	500	1372525	2745.050	8.74
0L21060-CALV	1000	2923899	2923.899	8.74
0L21060-CALW	2000	5548170	2774.085	8.74

AVE RF **2711.549** RF RSD **6.04** AVE RT **8.74**

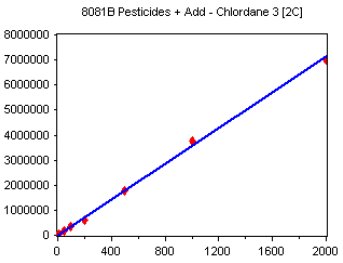
Element Calibration Review Sheet

Calibration ID: **A0L2210** Instrument: **DUALECD3** Calibration Date: **12/22/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD3_QUANTPEST_20122**

Chlordane 3 [2C]

Curve Fit: **AVERAGE RF**

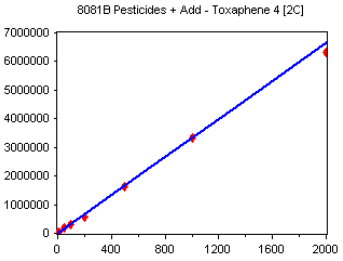


Standard	Concentration	Response	Response Factor	RT
0L21060-CALJ	10	40731	4073.100	8.76
0L21060-CALK	50	181167	3623.340	8.76
0L21060-CALL	100	348174	3481.740	8.75
0L21060-CALM	200	598465	2992.325	8.76
0L21060-CALN	500	1765462	3530.924	8.76
0L21060-CALO	1000	3778798	3778.798	8.75
0L21060-CALP	2000	6994562	3497.281	8.75

AVE RF **3568.215** RF RSD **9.21** AVE RT **8.75**

Toxaphene 4 [2C]

Curve Fit: **AVERAGE RF**

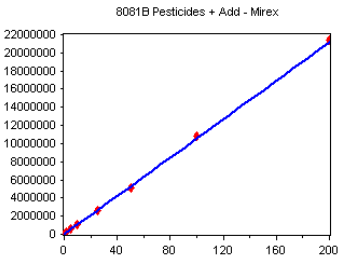


Standard	Concentration	Response	Response Factor	RT
0L21060-CALQ	10	39642	3964.200	8.78
0L21060-CALR	50	174819	3496.380	8.78
0L21060-CALS	100	320309	3203.090	8.78
0L21060-CALT	200	578638	2893.190	8.78
0L21060-CALU	500	1614501	3229.002	8.77
0L21060-CALV	1000	3348014	3348.014	8.78
0L21060-CALW	2000	6332861	3166.430	8.78

AVE RF **3328.615** RF RSD **10.07** AVE RT **8.77**

Mirex

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

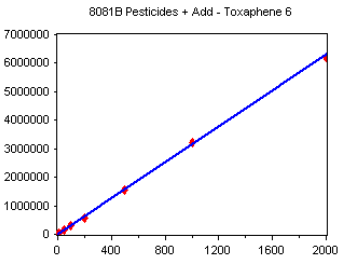


Standard	Concentration	Response	Response Factor	RT
0L21060-CALA	0.5	86454	172908.000	8.82
0L21060-CALB	1	153713	153713.000	8.81
0L21060-CALC	2	265040	132520.000	8.82
0L21060-CALD	5	544551	108910.200	8.81
0L21060-CALE	10	1048167	104816.700	8.81
0L21060-CALF	25	2560068	102402.700	8.81
0L21060-CALG	50	5065560	101311.200	8.81
0L21060-CALH	100	1.076811E+07	107681.100	8.81
0L21060-CALI	200	2.136184E+07	106809.200	8.81

AVE RF **121230.200** RF RSD **21.46** AVE RT **8.81**

Toxaphene 6

Curve Fit: **AVERAGE RF**



Standard	Concentration	Response	Response Factor	RT
0L21060-CALQ	10	35391	3539.100	8.81
0L21060-CALR	50	165782	3315.640	8.82
0L21060-CALS	100	301485	3014.850	8.81
0L21060-CALT	200	554061	2770.305	8.81
0L21060-CALU	500	1554289	3108.578	8.81
0L21060-CALV	1000	3228284	3228.284	8.81
0L21060-CALW	2000	6194484	3097.242	8.81

AVE RF **3153.428** RF RSD **7.68** AVE RT **8.81**

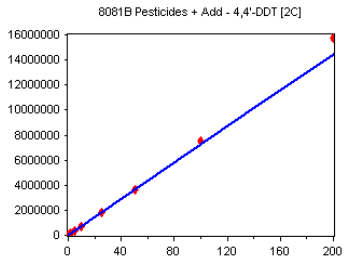
Element Calibration Review Sheet

Calibration ID: **A0L2210** Instrument: **DUALECD3** Calibration Date: **12/22/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD3_QUANTPEST_20122**

4,4'-DDT [2C]

Curve Fit: **AVERAGE RF**

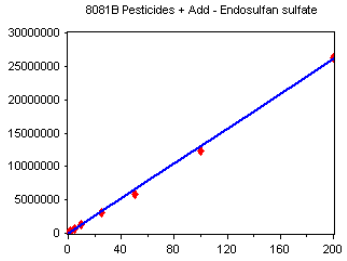


Standard	Concentration	Response	Response Factor	RT
0L21060-CAL1	0.5	36680	73360.000	8.85
0L21060-CAL2	1	79614	79614.000	8.85
0L21060-CAL3	2	136258	68129.000	8.85
0L21060-CAL4	5	329138	65827.600	8.85
0L21060-CAL5	10	670281	67028.100	8.85
0L21060-CAL6	25	1778326	71133.040	8.85
0L21060-CAL7	50	3597171	71943.420	8.85
0L21060-CAL8	100	7543458	75434.580	8.85
0L21060-CAL9	200	1.570643E+07	78532.150	8.85

AVE RF **72333.540** RF RSD **6.77** AVE RT **8.85**

Endosulfan sulfate

Curve Fit: **AVERAGE RF**

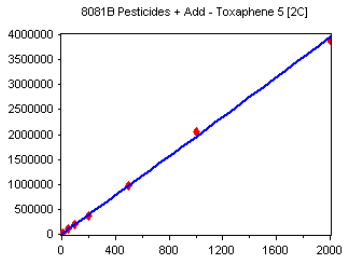


Standard	Concentration	Response	Response Factor	RT
0L21060-CAL1	0.5	78338	156676.000	8.89
0L21060-CAL2	1	146643	146643.000	8.89
0L21060-CAL3	2	254744	127372.000	8.89
0L21060-CAL4	5	606997	121399.400	8.89
0L21060-CAL5	10	1240722	124072.200	8.89
0L21060-CAL6	25	3111187	124447.500	8.89
0L21060-CAL7	50	5890675	117813.500	8.89
0L21060-CAL8	100	1.238115E+07	123811.500	8.89
0L21060-CAL9	200	2.621882E+07	131094.100	8.89

AVE RF **130369.900** RF RSD **9.86** AVE RT **8.89**

Toxaphene 5 [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

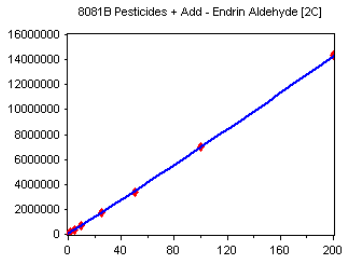


Standard	Concentration	Response	Response Factor	RT
0L21060-CALQ	10	24628	2462.800	8.95
0L21060-CALR	50	108984	2179.680	8.95
0L21060-CALS	100	196043	1960.430	8.95
0L21060-CALT	200	360666	1803.330	8.95
0L21060-CALU	500	969221	1938.442	8.95
0L21060-CALV	1000	2060646	2060.646	8.95
0L21060-CALW	2000	3883037	1941.519	8.95

AVE RF **2049.550** RF RSD **10.55** AVE RT **8.95**

Endrin Aldehyde [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
~~0L21060-CAL1~~	~~0.5~~	~~59099~~	~~118198.000~~	~~8.96~~
0L21060-CAL2	1	116163	116163.000	8.96
0L21060-CAL3	2	197635	98817.500	8.96
0L21060-CAL4	5	382029	76405.800	8.96
0L21060-CAL5	10	722132	72213.200	8.96
0L21060-CAL6	25	1756193	70247.720	8.96
0L21060-CAL7	50	3349512	66990.240	8.96
0L21060-CAL8	100	7024087	70240.870	8.96
0L21060-CAL9	200	1.437378E+07	71868.900	8.96

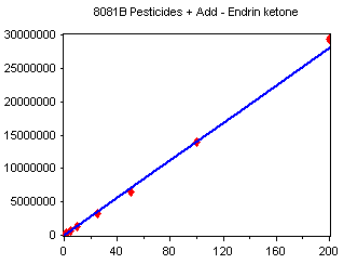
AVE RF **80368.400** RF RSD **21.86** AVE RT **8.96**

Element Calibration Review Sheet

Calibration ID: **A0L2210** Instrument: **DUALECD3** Calibration Date: **12/22/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD3_QUANTPEST_20122**

Endrin ketone

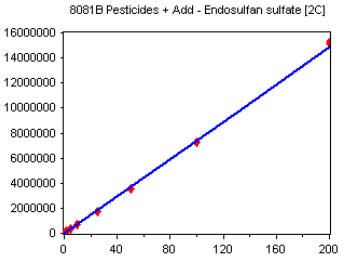


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0L21060-CAL1	0.5	78735	157470.000	9.09
0L21060-CAL2	1	157448	157448.000	9.09
0L21060-CAL3	2	272710	136355.000	9.09
0L21060-CAL4	5	647516	129503.200	9.09
0L21060-CAL5	10	1335505	133550.500	9.09
0L21060-CAL6	25	3284163	131366.500	9.09
0L21060-CAL7	50	6463726	129274.500	9.09
0L21060-CAL8	100	1.387906E+07	138790.600	9.09
0L21060-CAL9	200	2.934755E+07	146737.800	9.09

AVE RF **140055.100** RF RSD **8.03** AVE RT **9.09**

Endosulfan sulfate [2C]

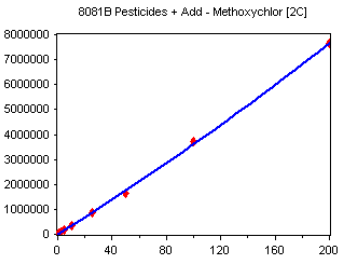


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0L21060-CAL1	0.5	41196	82392.000	9.16
0L21060-CAL2	1	82987	82987.000	9.16
0L21060-CAL3	2	145866	72933.000	9.16
0L21060-CAL4	5	342781	68556.200	9.15
0L21060-CAL5	10	705187	70518.700	9.15
0L21060-CAL6	25	1762729	70509.160	9.15
0L21060-CAL7	50	3530147	70602.940	9.15
0L21060-CAL8	100	7292544	72925.440	9.15
0L21060-CAL9	200	1.525039E+07	76251.950	9.15

AVE RF **74186.270** RF RSD **7.13** AVE RT **9.15**

Methoxychlor [2C]

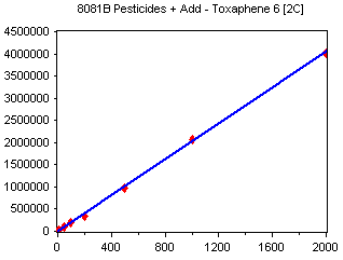


Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

Standard	Concentration	Response	Response Factor	RT
0L21060-CAL1	0.5	20917	41834.000	9.32
0L21060-CAL2	1	44928	44928.000	9.32
0L21060-CAL3	2	74517	37258.500	9.32
0L21060-CAL4	5	167014	33402.800	9.31
0L21060-CAL5	10	339495	33949.500	9.32
0L21060-CAL6	25	855313	34212.520	9.32
0L21060-CAL7	50	1653474	33069.480	9.31
0L21060-CAL8	100	3718887	37188.870	9.31
0L21060-CAL9	200	7670080	38350.400	9.31

AVE RF **37132.670** RF RSD **11.00** AVE RT **9.31**

Toxaphene 6 [2C]



Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0L21060-CALQ	10	23921	2392.100	9.33
0L21060-CALR	50	105670	2113.400	9.33
0L21060-CALS	100	194278	1942.780	9.32
0L21060-CALT	200	351222	1756.110	9.32
0L21060-CALU	500	965966	1931.932	9.32
0L21060-CALV	1000	2066233	2066.233	9.32
0L21060-CALW	2000	4024928	2012.464	9.32

AVE RF **2030.717** RF RSD **9.68** AVE RT **9.32**

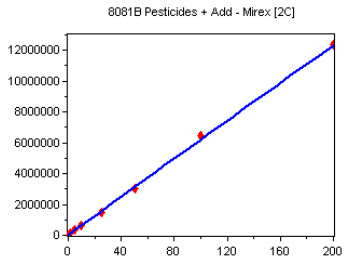
Element Calibration Review Sheet

Calibration ID: **A0L2210** Instrument: **DUALECD3** Calibration Date: **12/22/2020**

Analysis: **8081B Pesticides + Add** Instrument Cal ID: **ECD3_QUANTPEST_20122**

Mirex [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

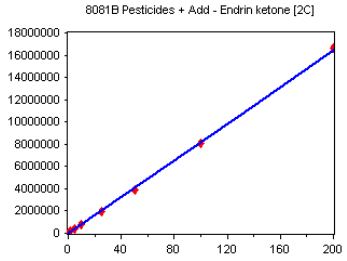


Standard	Concentration	Response	Response Factor	RT
0L21060-CALA	0.5	51606	103212.000	9.53
0L21060-CALB	1	92344	92344.000	9.53
0L21060-CALC	2	160062	80031.000	9.53
0L21060-CALD	5	327616	65523.200	9.53
0L21060-CALE	10	611173	61117.300	9.53
0L21060-CALF	25	1490973	59638.920	9.53
0L21060-CALG	50	3002280	60045.600	9.53
0L21060-CALH	100	6440723	64407.230	9.53
0L21060-CALI	200	1.234371E+07	61718.550	9.53

AVE RF **72004.200** RF RSD **22.35** AVE RT **9.53**

Endrin ketone [2C]

Curve Fit: **AVERAGE RF**

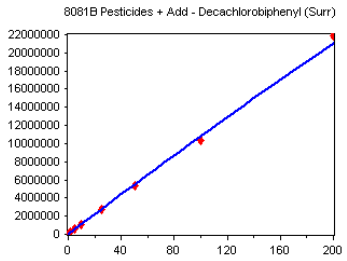


Standard	Concentration	Response	Response Factor	RT
0L21060-CAL1	0.5	48832	97664.000	9.54
0L21060-CAL2	1	91802	91802.000	9.54
0L21060-CAL3	2	157023	78511.500	9.54
0L21060-CAL4	5	376214	75242.800	9.54
0L21060-CAL5	10	765231	76523.100	9.54
0L21060-CAL6	25	1949329	77973.160	9.54
0L21060-CAL7	50	3847274	76945.480	9.54
0L21060-CAL8	100	8059157	80591.570	9.54
0L21060-CAL9	200	1.662561E+07	83128.050	9.54

AVE RF **82042.410** RF RSD **9.38** AVE RT **9.54**

Decachlorobiphenyl (Surr)

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

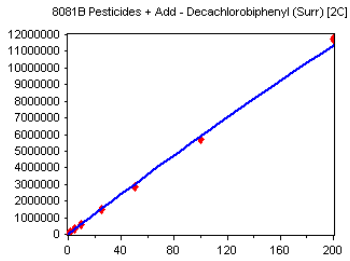


Standard	Concentration	Response	Response Factor	RT
0L21060-CAL1	0.5	71910	143820.000	9.76
0L21060-CAL2	1	145333	145333.000	9.76
0L21060-CAL3	2	244541	122270.500	9.76
0L21060-CAL4	5	572487	114497.400	9.76
0L21060-CAL5	10	1119603	111960.300	9.76
0L21060-CAL6	25	2702227	108089.100	9.76
0L21060-CAL7	50	5300663	106013.300	9.76
0L21060-CAL8	100	1.034796E+07	103479.600	9.76
0L21060-CAL9	200	2.183568E+07	109178.400	9.76

AVE RF **118293.500** RF RSD **13.40** AVE RT **9.76**

Decachlorobiphenyl (Surr) [2C]

Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**



Standard	Concentration	Response	Response Factor	RT
0L21060-CAL1	0.5	40721	81442.000	10.39
0L21060-CAL2	1	81945	81945.000	10.39
0L21060-CAL3	2	141574	70787.000	10.39
0L21060-CAL4	5	313405	62681.000	10.39
0L21060-CAL5	10	610730	61073.000	10.39
0L21060-CAL6	25	1484236	59369.440	10.39
0L21060-CAL7	50	2850133	57002.660	10.39
0L21060-CAL8	100	5715944	57159.440	10.38
0L21060-CAL9	200	1.175536E+07	58776.800	10.38

AVE RF **65581.820** RF RSD **15.29** AVE RT **10.39**

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0L21060

Analysis Included

1311/8081B TCLP Pest Reg List
1311/8081B TCLP Pest Reg List +ADD
1311/8081B TCLP Pesticides (All)
1311/8081B TCLP Pesticides + Add (All)
1312/8081B SPLP Pesticides
608.3 Pesticides
608.3 Additionals
608.3 Chlordane
608.3 Pest (Chlordane)
608.3 Pest + Add (250mL) - Development
608.3 Pesticides (DDT Only)
608.3 Pesticides (SW)
608.3 Pesticides (SW) Full List
608.3 Pesticides (TTO)
608.3 Toxaphene
8081B Pesticides
8081B 2,4+4,4-DDx Only (+Add)
8081B Chlordane
8081B DDT Only
8081B Pesticides + Add
8081B Pesticides + Add (Diss)
8081B RSET FW Sed (+Add) (2016)
8081B RSET Sediment List (+Add)
8081B RSET Sediment Marine (2016) (+Add)
8081B Toxaphene

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0L21060

INSTRUMENT SEQUENCE LOG

SampleID	SampleName	Matrix	STDID	ISTD_ID	Analyzed
0L21060-ICB1	Initial Cal Blank	Water	A20L152		12/21/2020 4:19:00PM
0L21060-CAL1	Cal Standard	Water	A20L362	"	12/21/2020 4:36:00PM
0L21060-CAL2	Cal Standard	Water	A20L363	"	12/21/2020 4:54:00PM
0L21060-CAL3	Cal Standard	Water	A20H471	"	12/21/2020 5:11:00PM
0L21060-CAL4	Cal Standard	Water	A20H472	"	12/21/2020 5:28:00PM
0L21060-CAL5	Cal Standard	Water	A20H473	"	12/21/2020 5:45:00PM
0L21060-CAL6	Cal Standard	Water	A20H474	"	12/21/2020 6:02:00PM
0L21060-CAL7	Cal Standard	Water	A20L216	"	12/21/2020 6:19:00PM
0L21060-CAL8	Cal Standard	Water	A20L217	"	12/21/2020 6:36:00PM
0L21060-CAL9	Cal Standard	Water	A20H470	"	12/21/2020 6:54:00PM
0L21060-ICV1	Initial Cal Check	Water	A20I130	"	12/21/2020 7:28:00PM
0L21060-CALA	Cal Standard	Water	A20L364	"	12/21/2020 7:45:00PM
0L21060-CALB	Cal Standard	Water	A20I180	"	12/21/2020 8:02:00PM
0L21060-CALC	Cal Standard	Water	A20I181	"	12/21/2020 8:19:00PM
0L21060-CALD	Cal Standard	Water	A20I182	"	12/21/2020 8:36:00PM
0L21060-CALE	Cal Standard	Water	A20I183	"	12/21/2020 8:54:00PM
0L21060-CALF	Cal Standard	Water	A20I184	"	12/21/2020 9:11:00PM
0L21060-CALG	Cal Standard	Water	A20I185	"	12/21/2020 9:28:00PM
0L21060-CALH	Cal Standard	Water	A20I186	"	12/21/2020 9:45:00PM
0L21060-CALI	Cal Standard	Water	A20I179	"	12/21/2020 10:02:00PM
0L21060-ICV2	Initial Cal Check	Water	A20I187	"	12/21/2020 10:36:00PM
0L21060-CALJ	Cal Standard	Water	A20L365	"	12/21/2020 10:53:00PM
0L21060-CALK	Cal Standard	Water	A20L139	"	12/21/2020 11:10:00PM
0L21060-CALL	Cal Standard	Water	A20L140	"	12/21/2020 11:27:00PM
0L21060-CALM	Cal Standard	Water	A20L141	"	12/21/2020 11:44:00PM
0L21060-CALN	Cal Standard	Water	A20L142	"	12/22/2020 12:01:00AM
0L21060-CALO	Cal Standard	Water	A20L143	"	12/22/2020 12:18:00AM
0L21060-CALP	Cal Standard	Water	A20L138	"	12/22/2020 12:35:00AM
0L21060-ICV3	Initial Cal Check	Water	A20L144	"	12/22/2020 1:10:00AM
0L21060-CALQ	Cal Standard	Water	A20L366	"	12/22/2020 1:27:00AM
0L21060-CALR	Cal Standard	Water	A20K260	"	12/22/2020 1:44:00AM
0L21060-CALS	Cal Standard	Water	A20K261	"	12/22/2020 2:01:00AM
0L21060-CALT	Cal Standard	Water	A20K262	"	12/22/2020 2:18:00AM
0L21060-CALU	Cal Standard	Water	A20K263	"	12/22/2020 2:35:00AM
0L21060-CALV	Cal Standard	Water	A20K264	"	12/22/2020 2:52:00AM
0L21060-CALW	Cal Standard	Water	A20K259	"	12/22/2020 3:09:00AM
0L21060-ICV4	Initial Cal Check	Water	A20K265	"	12/22/2020 3:43:00AM

CALIBRATION STANDARD RECOVERIES

Calibration: **A0L2210** Instrument: **DualECD3F**

1311/8081B TCLP Pest Reg L Sequence: **0L21060** Matrix: **Water**

0L21060-CAL1	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**

0L21060-CAL2	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**

0L21060-CAL3	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0L21060

0L21060-CAL4	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
0L21060-CAL5	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
0L21060-CAL6	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
0L21060-CAL7	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
0L21060-CAL8	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
0L21060-CAL9	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
0L21060-CALA	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
0L21060-CALB	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
0L21060-CALC	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
0L21060-CALD	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
0L21060-CALE	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
0L21060-CALF	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
0L21060-CALG	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
0L21060-CALH	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
0L21060-CALI	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
0L21060-CALJ	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
0L21060-CALK	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
0L21060-CALL	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
0L21060-CALM	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
0L21060-CALN	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
0L21060-CALO	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
Chlordane (Technical)	940.0000	0.00	1000	0	
Chlordane (Technical) [2C]	940.0000	0.00	1000	0	
0L21060-CALP	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
Chlordane (Technical)	940.0000	0.00	2000	0	
Chlordane (Technical) [2C]	940.0000	0.00	2000	0	
0L21060-CALQ	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
0L21060-CALR	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
0L21060-CALS	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
0L21060-CALT	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**
0L21060-CALU	**Inst. MRL**	**Recalc Res.**	**Cal Level**	**%Rec.**	**Qual**

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0L21060

0L21060-CALV	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Toxaphene (Total)	940.0000	0.00	1000	0	
Toxaphene (Total) [2C]	940.0000	0.00	1000	0	

0L21060-CALW	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Toxaphene (Total)	940.0000	0.00	2000	0	
Toxaphene (Total) [2C]	940.0000	0.00	2000	0	

Compounds listed above have recalculated recoveries outside 70-130% of the true values, and the calibration levels are above the reporting level. If no compounds are listed, all are OK. Please see the next section for quadatic fit compounds.

Analytes With Quadratic Curve Fits

Qualifier	iMDL	iMRL	Spike Amt	%Difference	OK?	Raise MRL to ?
				_____	☐	☐ _____

Analytes listed above have quadratic curve fits. If they are using a weighting otpion, they must be checked against the requanted curve points to determine if the recalculated results are within limits (70-130 or as specified).

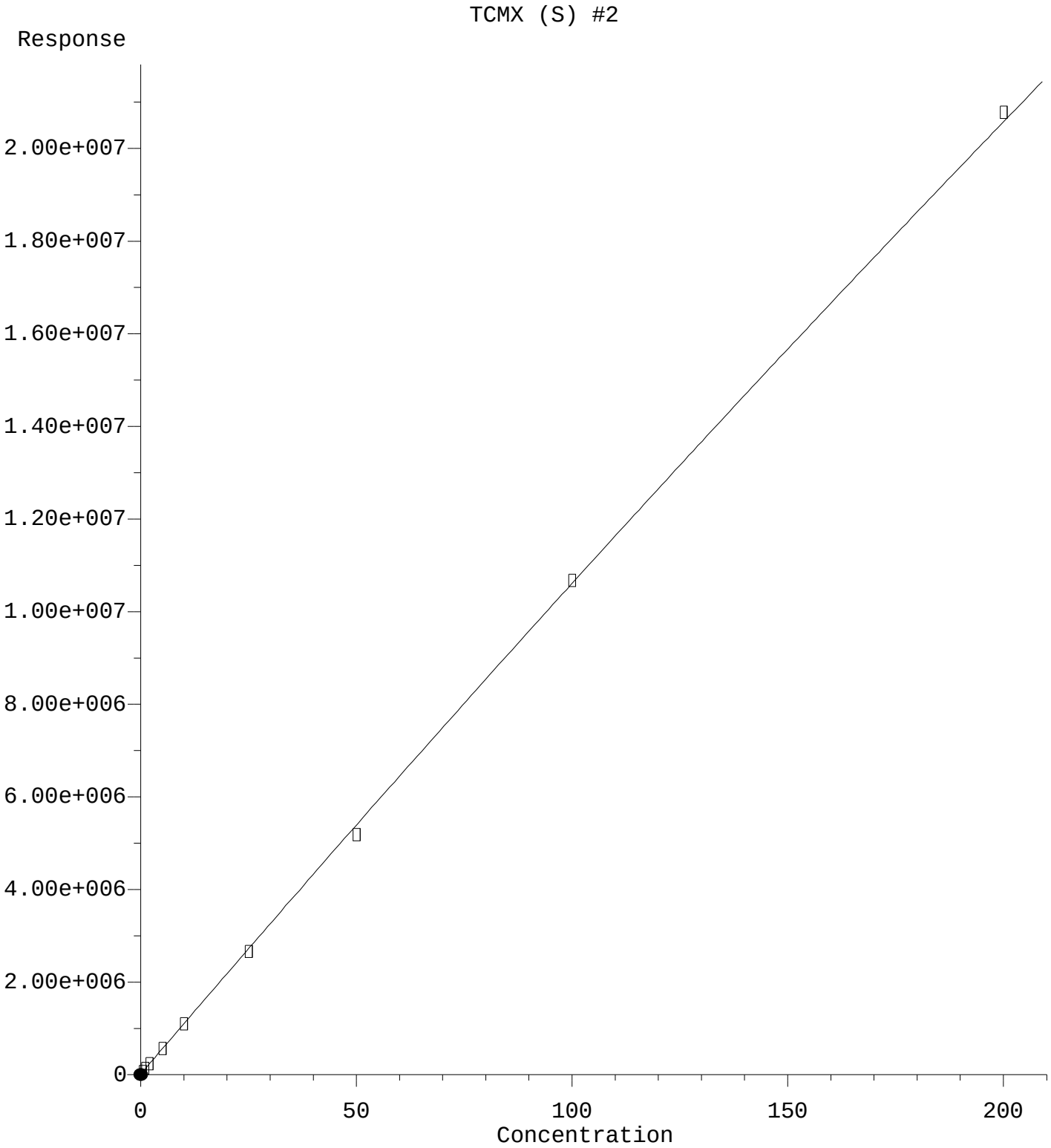
ICV RECOVERIES

Calibration: **A0L2210** Instrument: **DualECD3F**

608.3 Pesticides (TTO) Sequence: **0L21060** Matrix: **Water**

0L21060-ICV1	Inst. MRL	ICV Level	Result	%Rec.	Qual
0L21060-ICV2	**Inst. MRL**	**ICV Level**	**Result**	**%Rec.**	**Qual**
0L21060-ICV3	**Inst. MRL**	**ICV Level**	**Result**	**%Rec.**	**Qual**
0L21060-ICV4	**Inst. MRL**	**ICV Level**	**Result**	**%Rec.**	**Qual**

Compounds listed above have Initial Calibration Verification standard recoveries outside 70-130% of the true values. If no compounds are listed, all have passing recoveries.

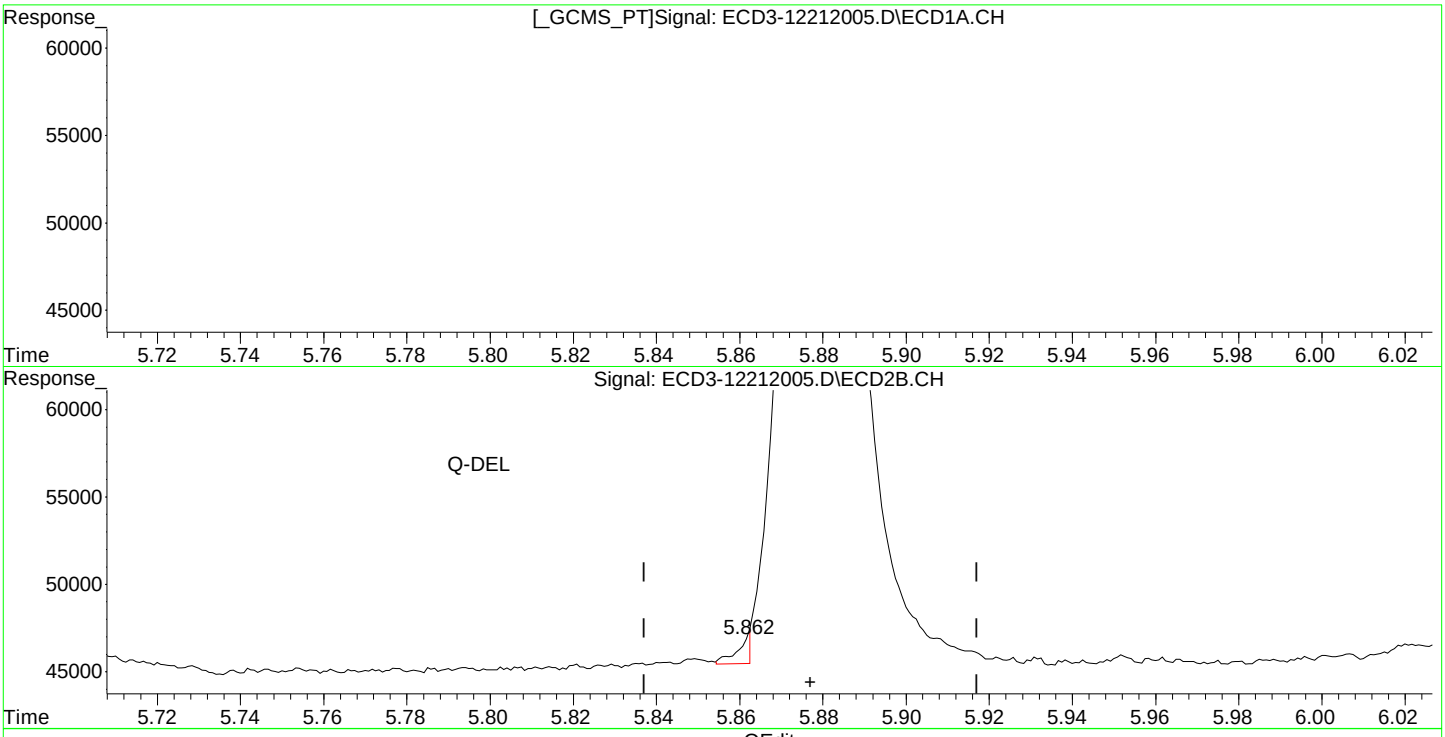


R = -3.11e+001 A*A + 1.09e+005 A + 1.78e+004
Coef of Det (r^2) = 0.998 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Calibration Table Last Updated: Tue Dec 22 16:15:52 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212005.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 21 Dec 2020 16:36
Operator : MJB
Sample   : 0L21060-CAL1
Misc   : A20L362, AB 0.5 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:18:53 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Small noise peaks clipped

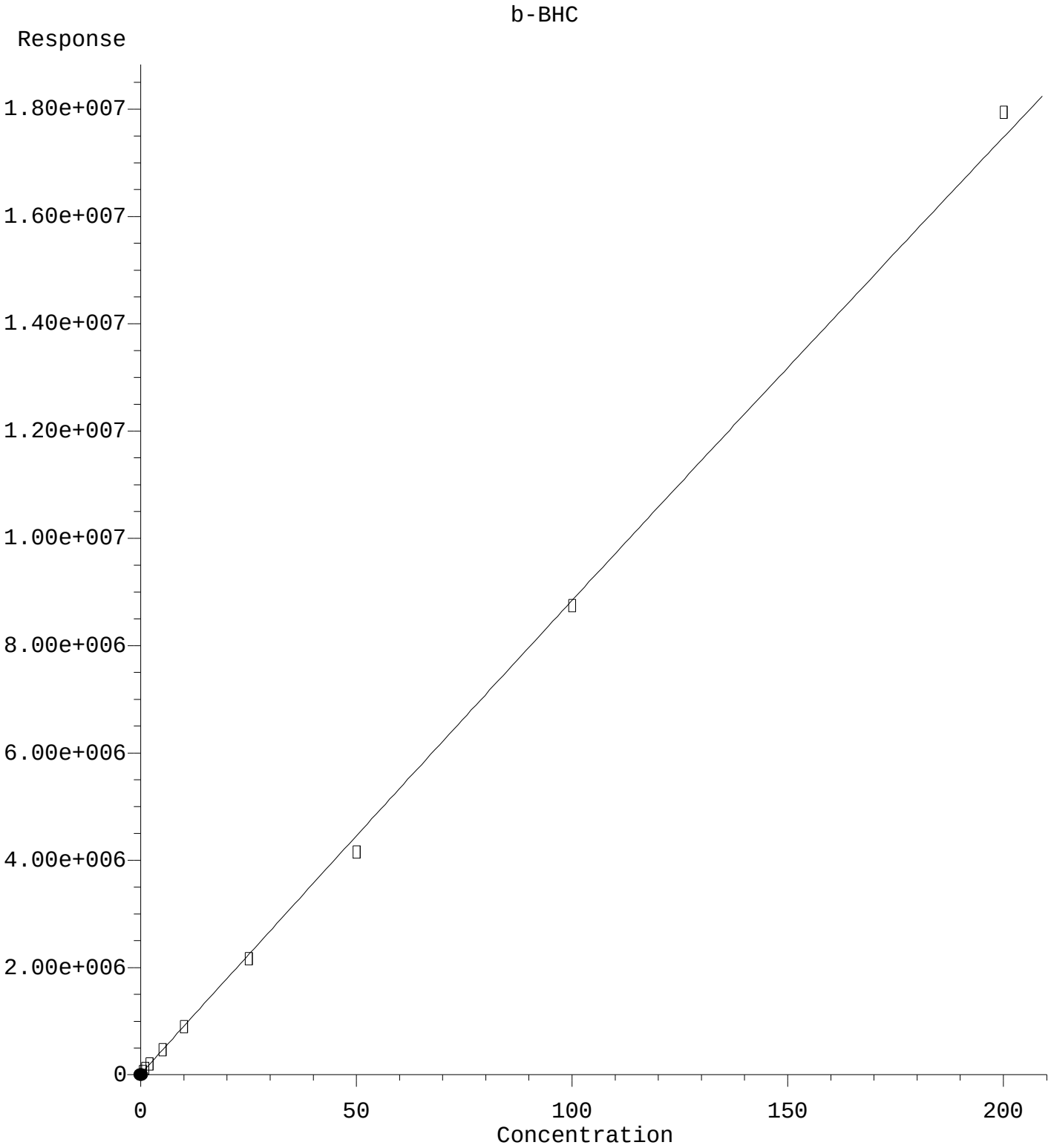


(1) TCMX (S) (S)
5.547min 0.576 ng/mL
response 106804

MJB 12/22/20

(1) TCMX (S) #2 (S)
~~5.862min~~ ~~3500.095 ng/mL m~~
response ~~1391~~

(+) = Expected Retention Time

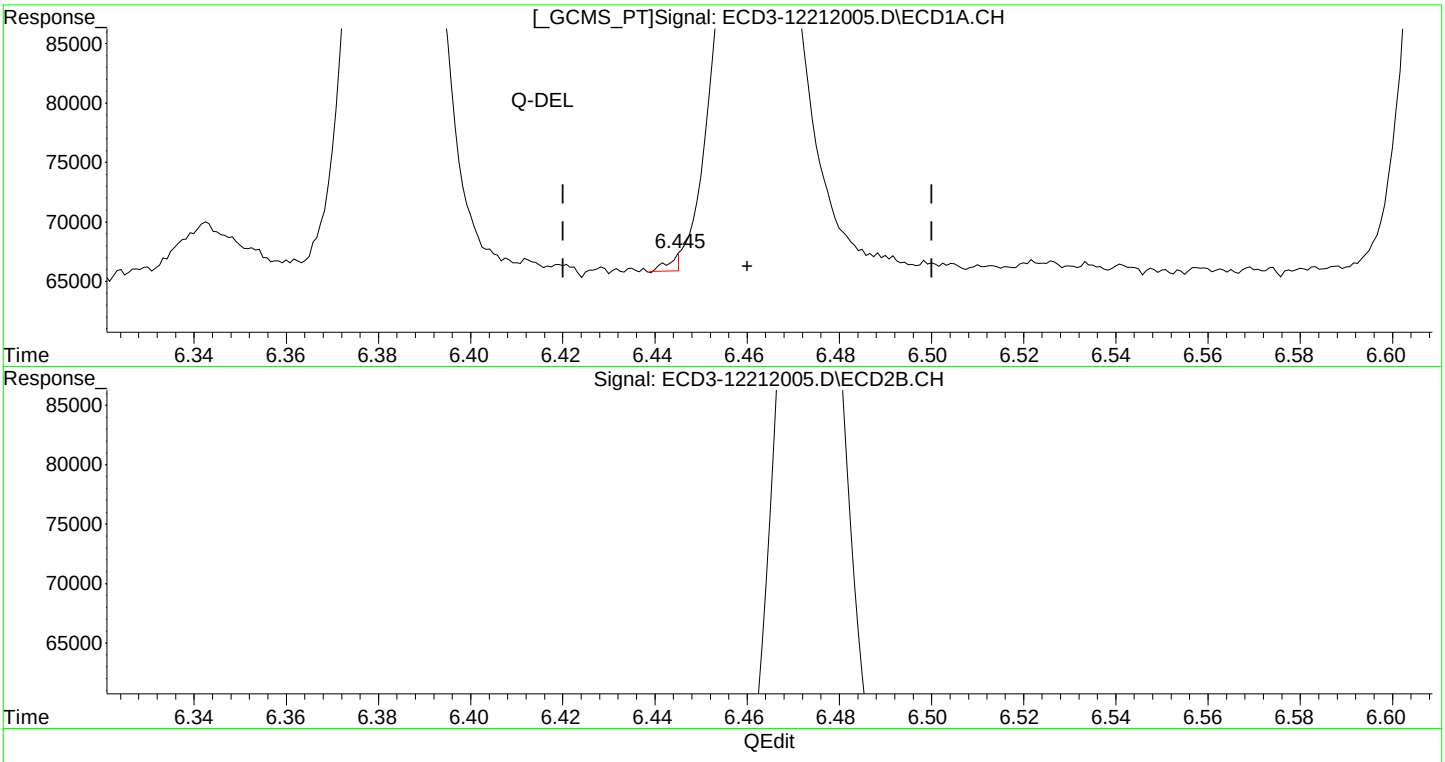


R = -9.34e+000 A*A + 8.92e+004 A + 1.68e+004
Coef of Det (r^2) = 0.996 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Calibration Table Last Updated: Tue Dec 22 16:15:52 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212005.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 21 Dec 2020 16:36
Operator : MJB
Sample   : 0L21060-CAL1
Misc   : A20L362, AB 0.5 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:18:53 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Small noise peaks clipped

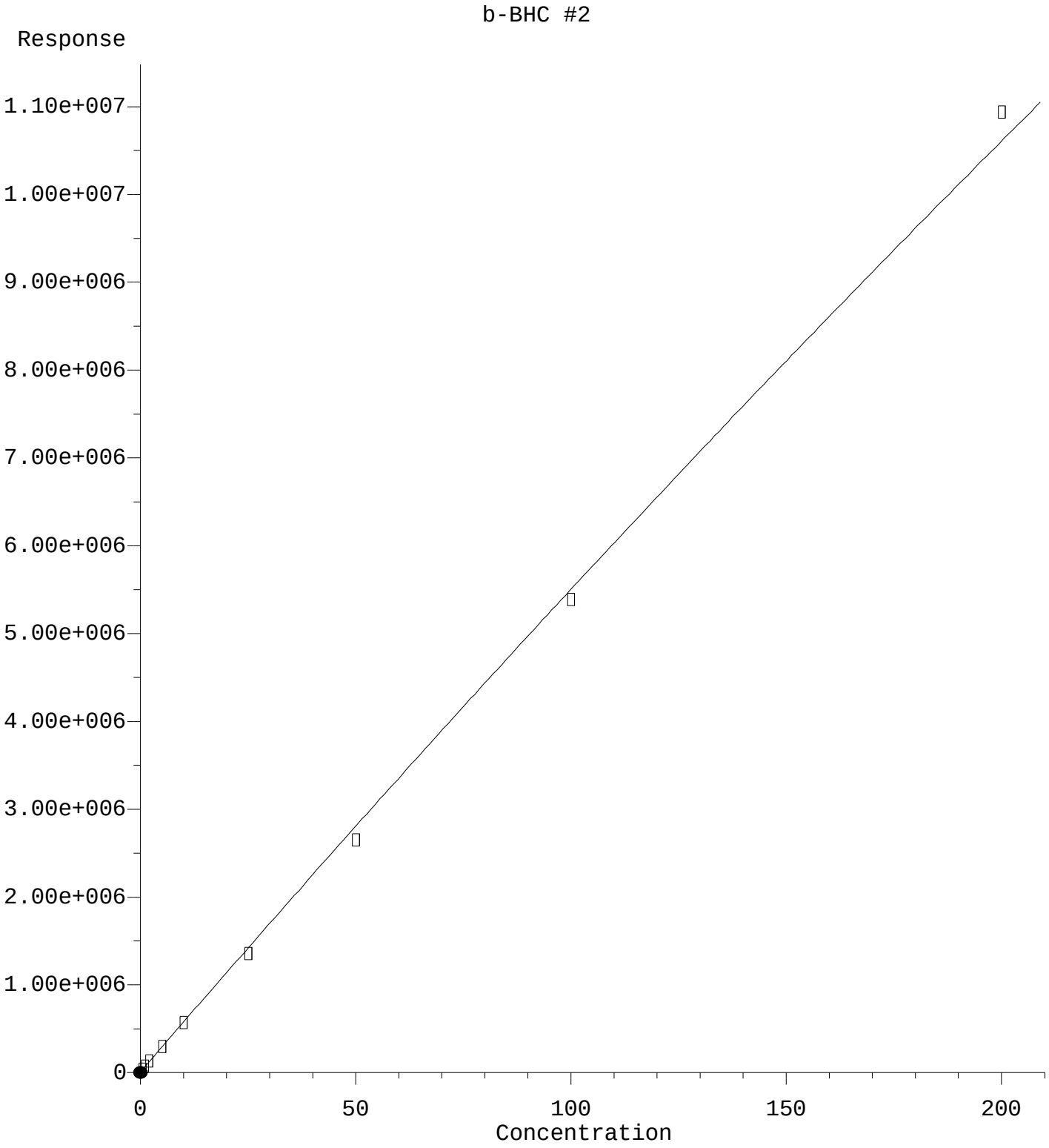


(4) b-BHC
~~6.445min 9545.076 ng/mL m~~
response ~~1467~~

MJB 12/22/20

(4) b-BHC #2
6.856min 0.466 ng/mL
response 38610

(+) = Expected Retention Time

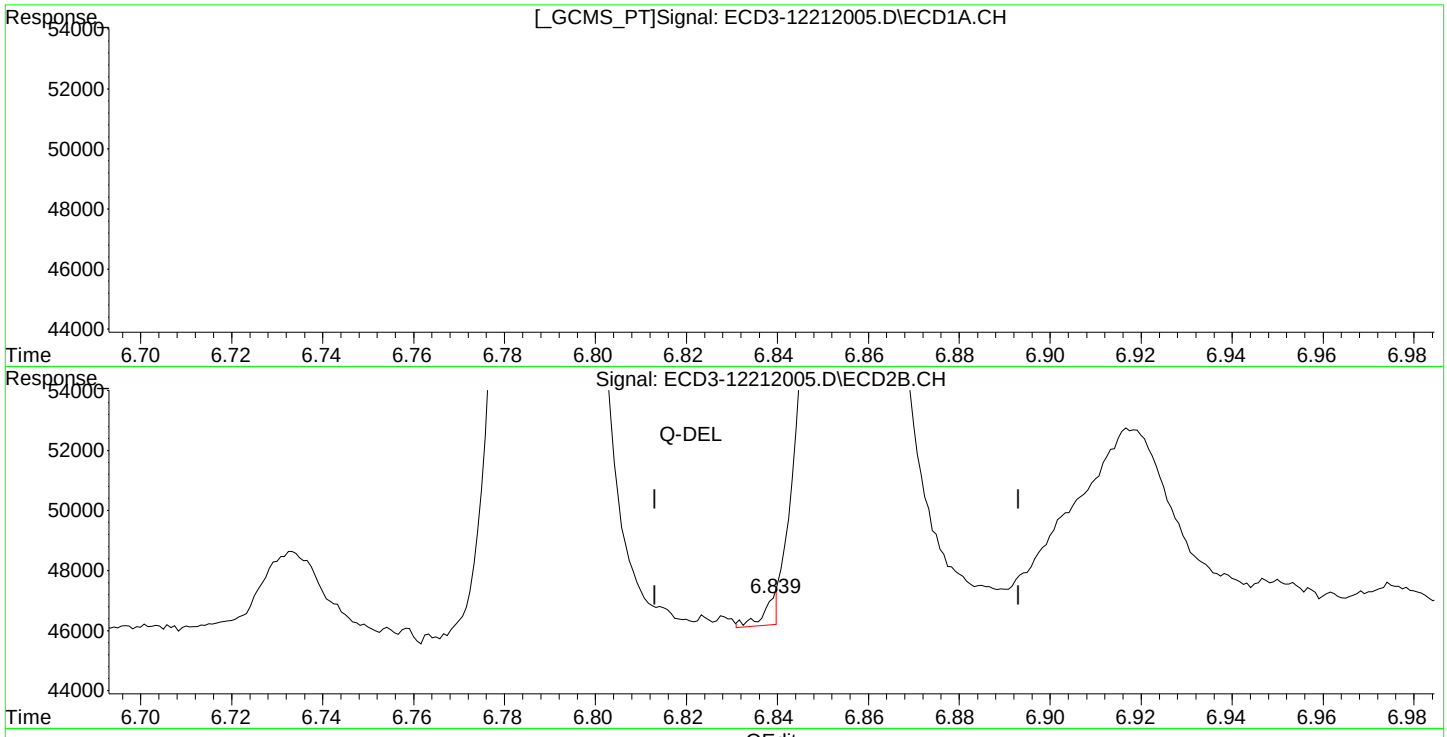


R = -1.93e+001 A*A + 5.68e+004 A + 1.21e+004
Coef of Det (r^2) = 0.996 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Calibration Table Last Updated: Tue Dec 22 16:15:52 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212005.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 16:36
Operator : MJB
Sample : 0L21060-CAL1
Misc : A20L362, AB 0.5 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:18:53 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

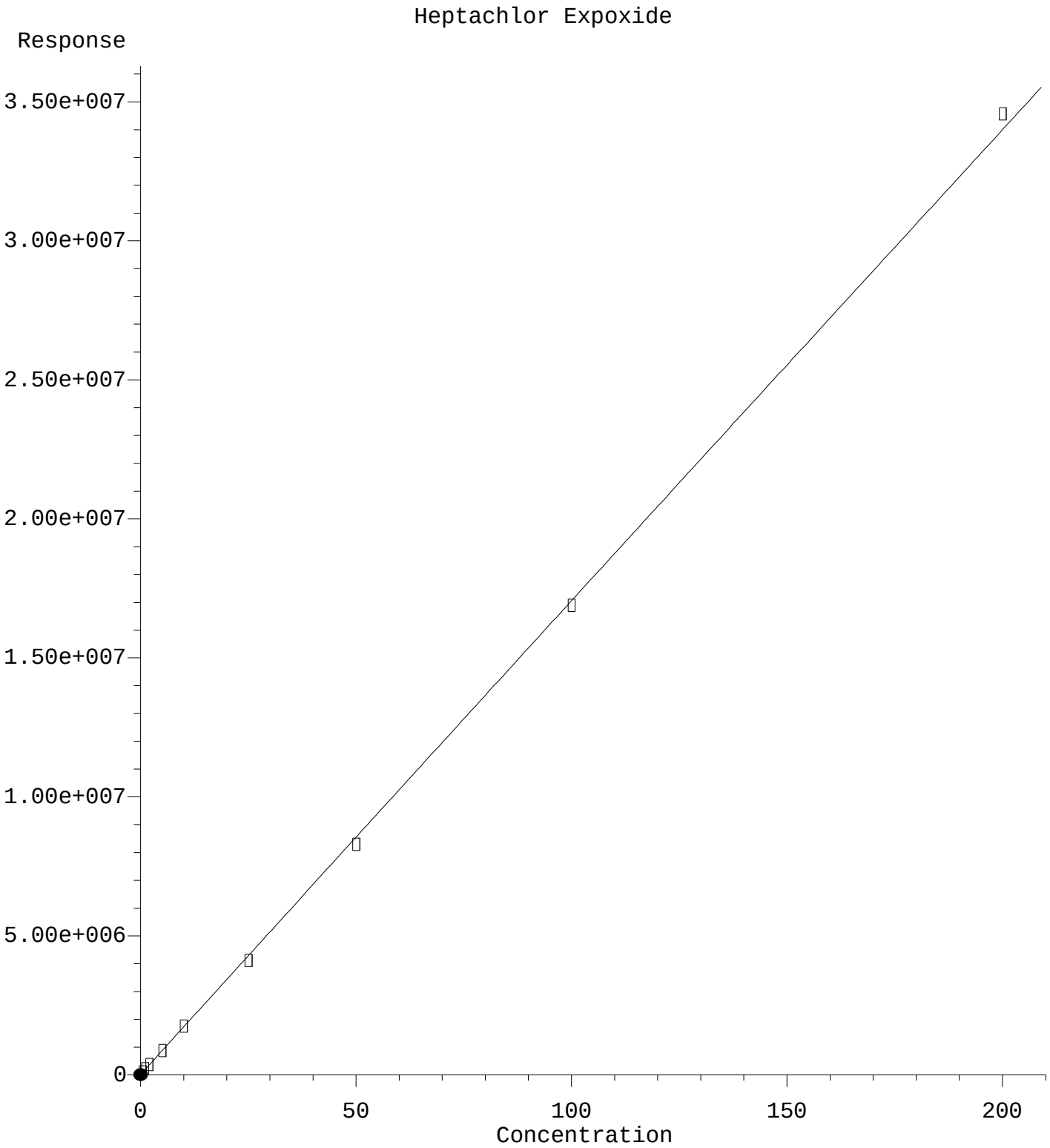


(4) b-BHC
6.445min 9545.076 ng/mL m
response 1467

MJB 12/22/20

(4) b-BHC #2
~~6.839min~~ ~~2944.457 ng/mL m~~
response ~~889~~

(+) = Expected Retention Time
ECD3_QUANTPEST_201221.M Tue Dec 22 18:14:37 2020 Page: 1

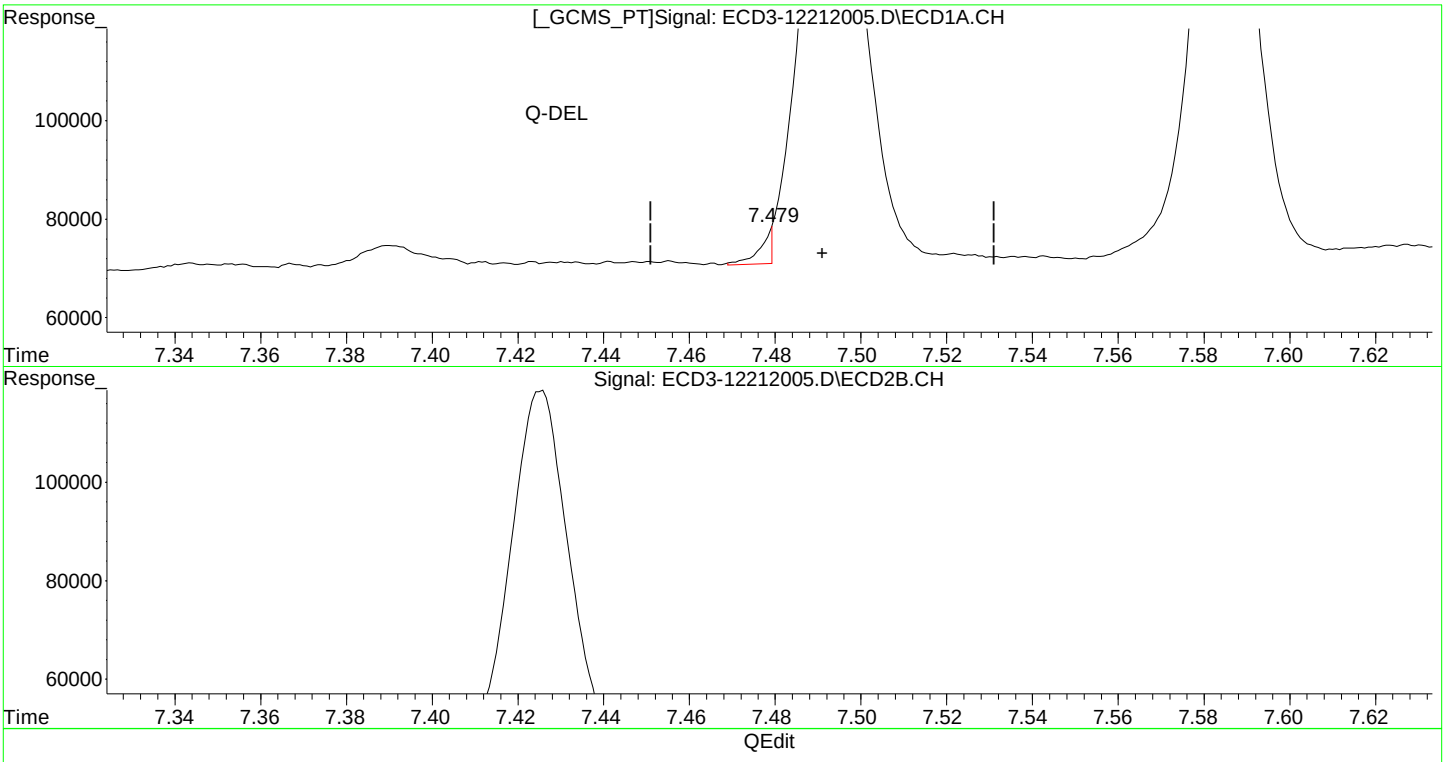


R = -3.79e+000 A*A + 1.71e+005 A + 2.58e+004
Coef of Det (r^2) = 0.998 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Calibration Table Last Updated: Tue Dec 22 16:15:52 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212005.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 16:36
Operator : MJB
Sample : 0L21060-CAL1
Misc : A20L362, AB 0.5 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:18:53 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

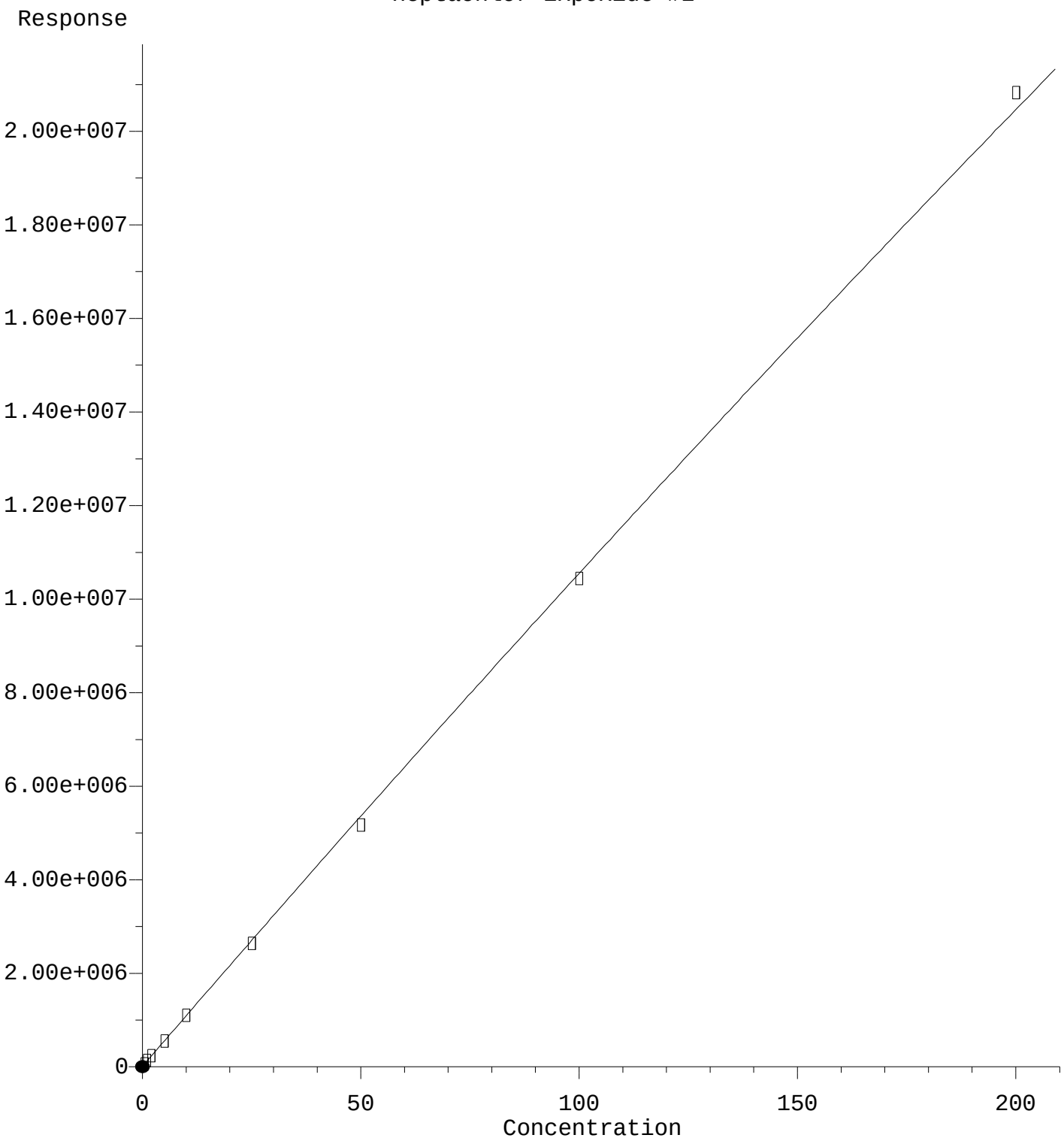


(8) Heptachlor Expoxide
~~7.479min 44971.026 ng/mL m~~
response ~~7460~~

MJB 12/22/20

(8) Heptachlor Expoxide #2
7.861min 0.477 ng/mL
response 65969

(+) = Expected Retention Time

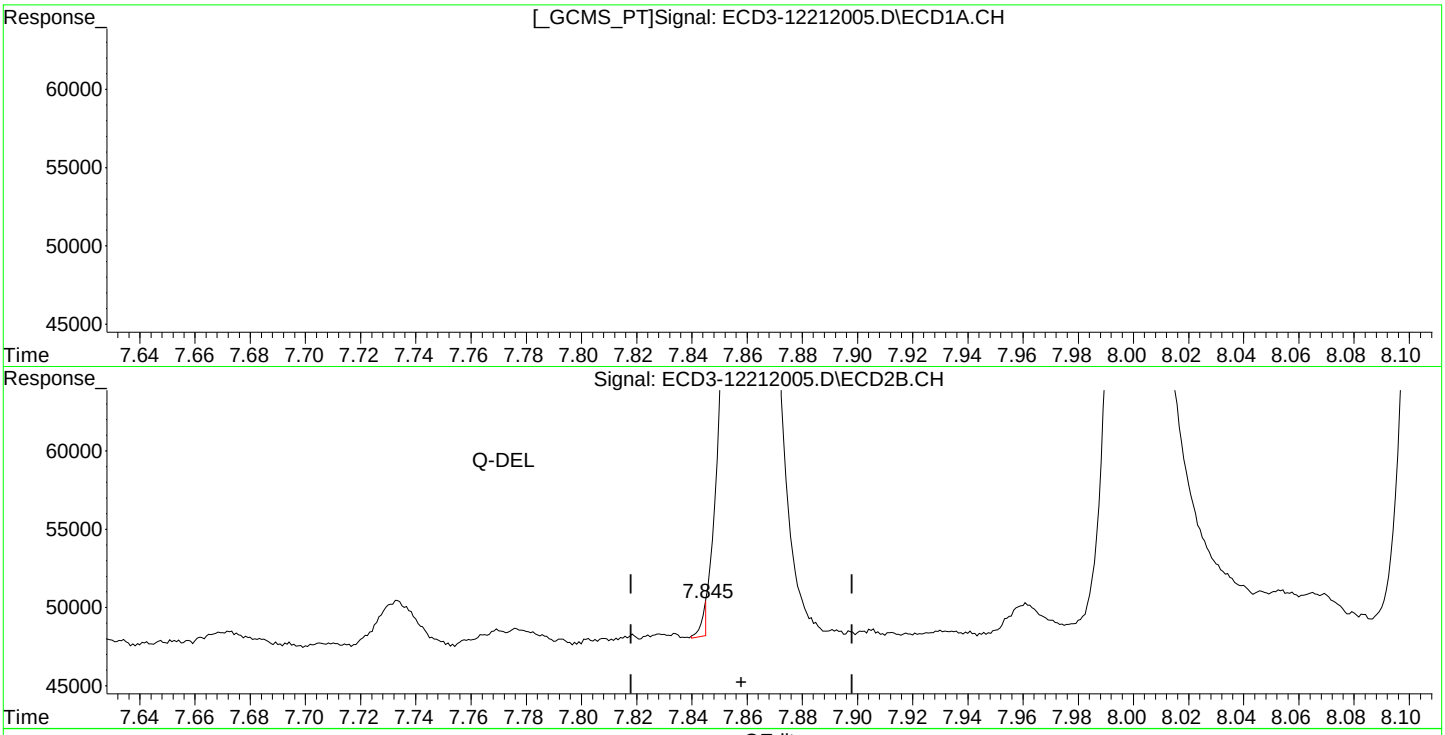


R = -3.07e+001 A*A + 1.08e+005 A + 1.42e+004
Coef of Det (r^2) = 0.998 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Calibration Table Last Updated: Tue Dec 22 16:15:52 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212005.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 21 Dec 2020 16:36
Operator : MJB
Sample   : 0L21060-CAL1
Misc   : A20L362, AB 0.5 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:18:53 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Small noise peaks clipped



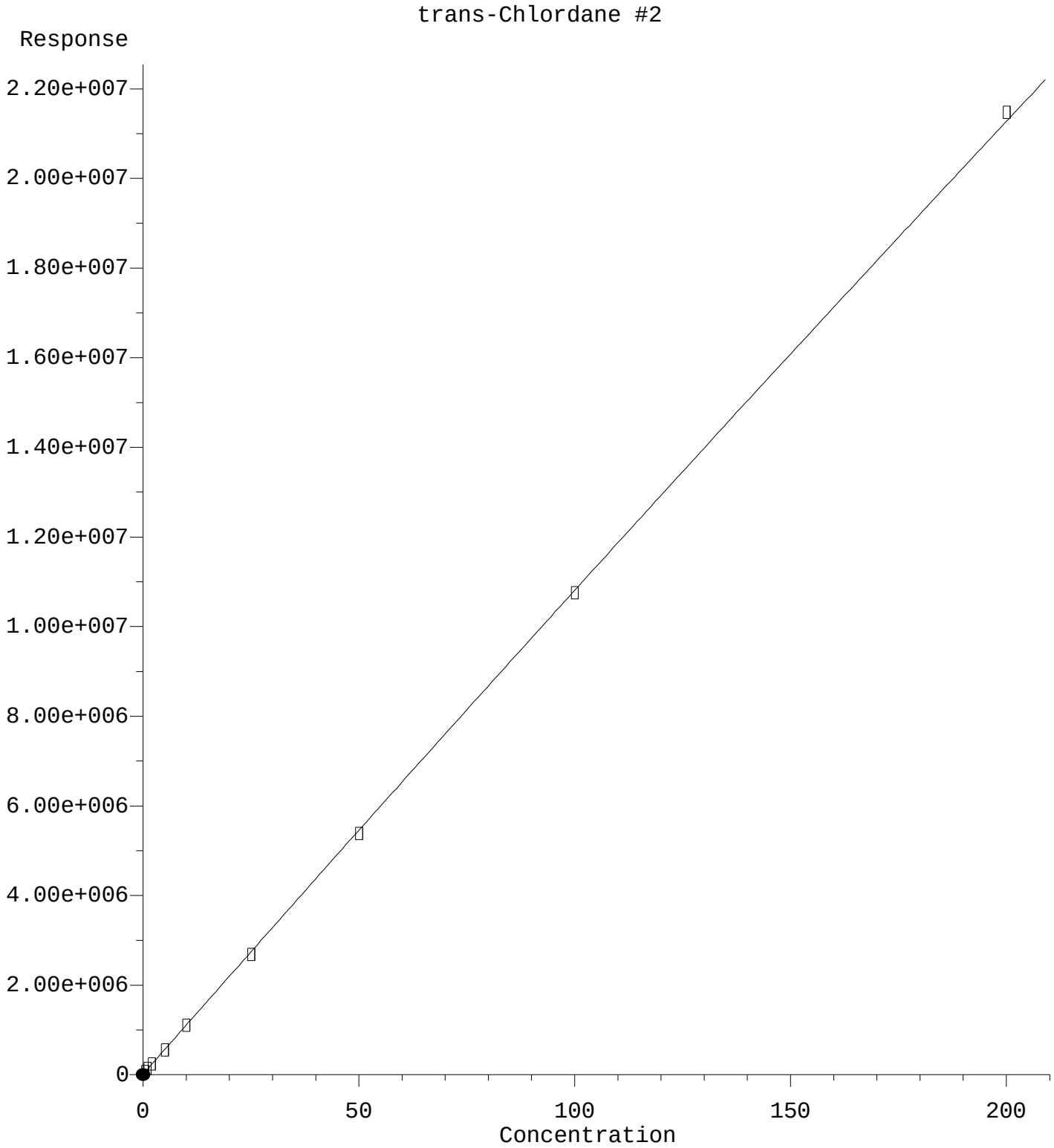
QEdit

(8) Heptachlor Expoxide
7.479min 44971.026 ng/mL m
response 7460

MJB 12/22/20

(8) Heptachlor Expoxide #2
~~7.845min~~ ~~3530.596 ng/mL m~~
response ~~2139~~

(+) = Expected Retention Time
ECD3_QUANTPEST_201221.M Tue Dec 22 18:15:15 2020 Page: 1

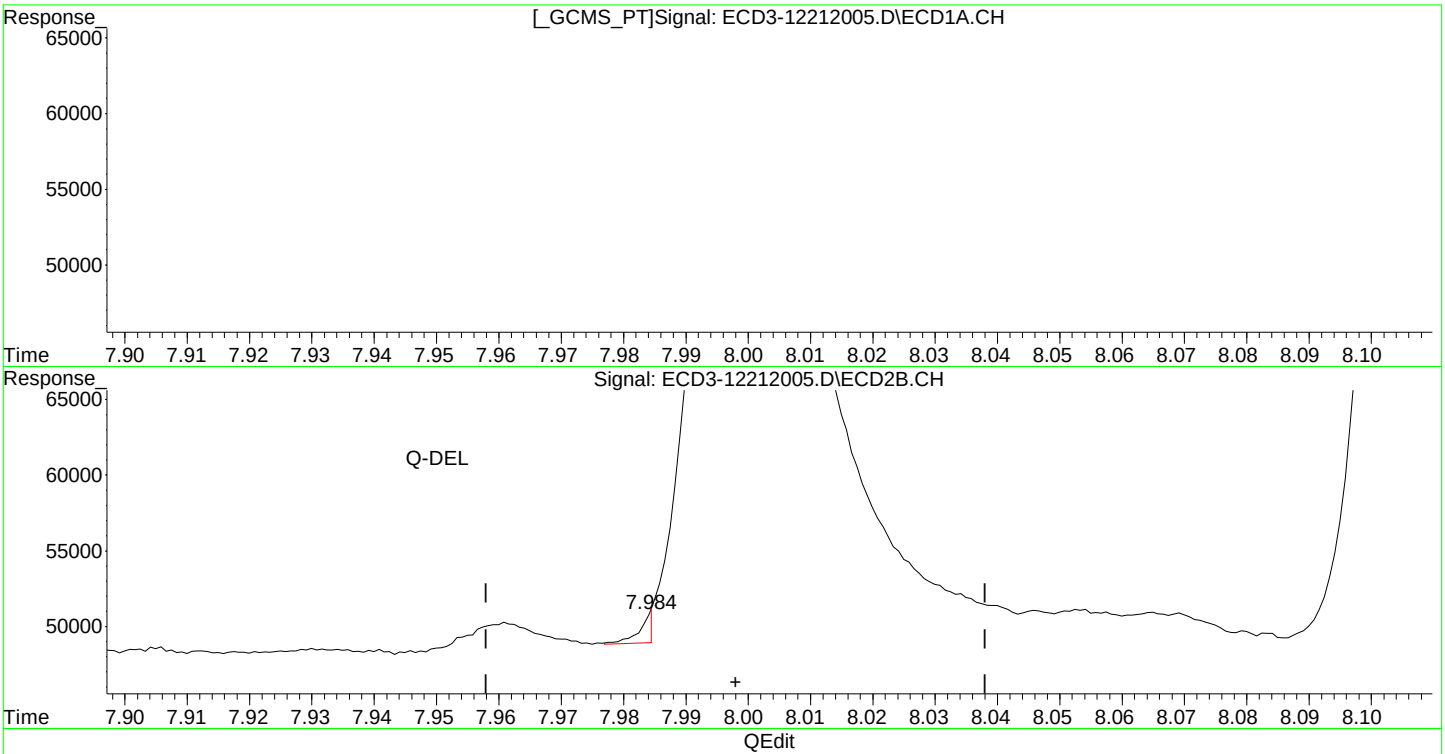


R = -1.62e+001 A*A + 1.10e+005 A + 1.74e+004
Coef of Det (r^2) = 0.998 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Calibration Table Last Updated: Tue Dec 22 16:15:52 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212005.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 21 Dec 2020 16:36
Operator : MJB
Sample   : 0L21060-CAL1
Misc   : A20L362, AB 0.5 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:18:53 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Small noise peaks clipped

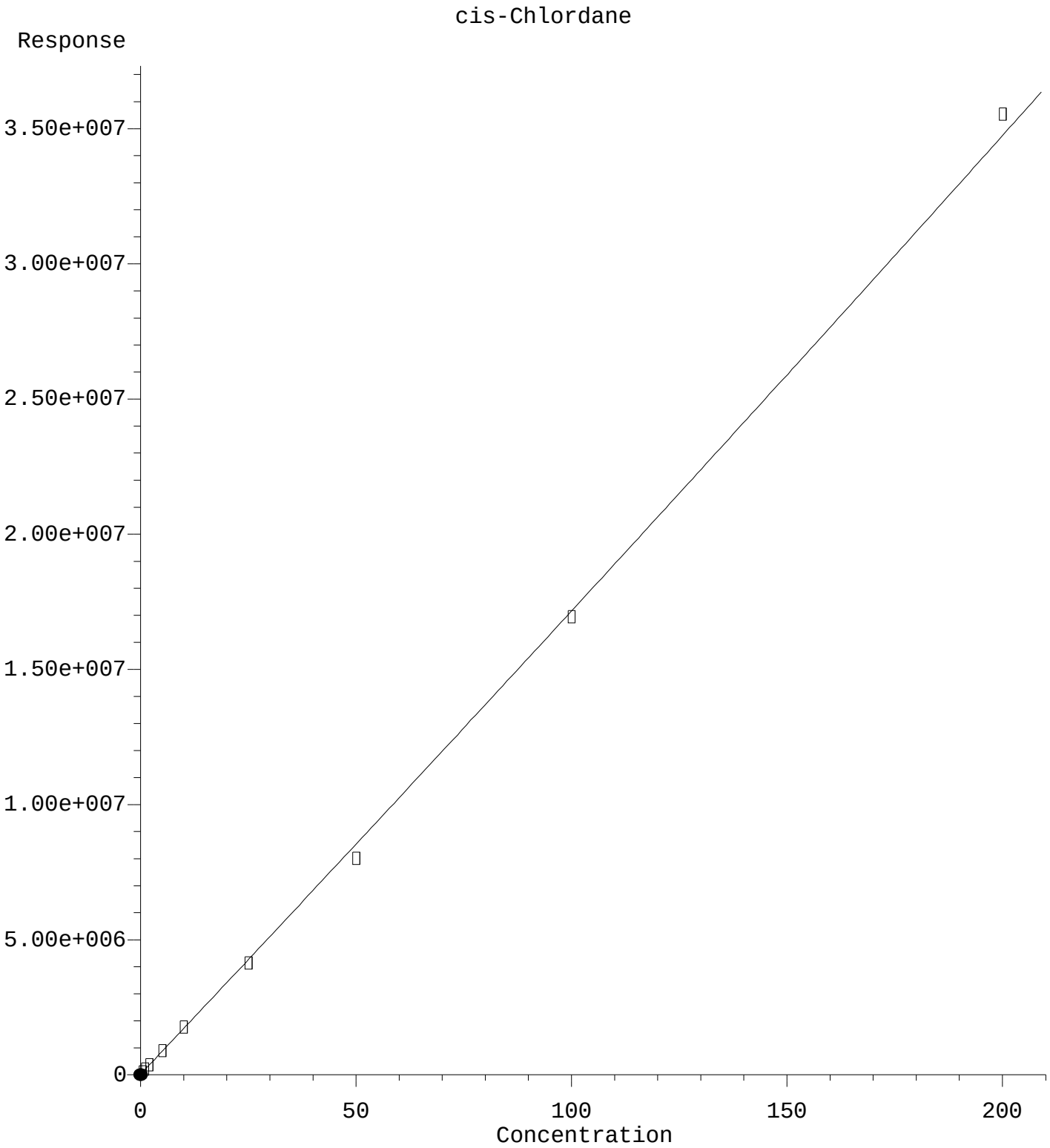


(9) trans-Chlordane
7.585min 0.581 ng/mL
response 108457

MJB 12/22/20

(9) trans-Chlordane #2
~~7.984min~~ ~~6778.239 ng/mL m~~
response ~~1887~~

(+) = Expected Retention Time
ECD3_QUANTPEST_201221.M Tue Dec 22 18:15:37 2020 Page: 1

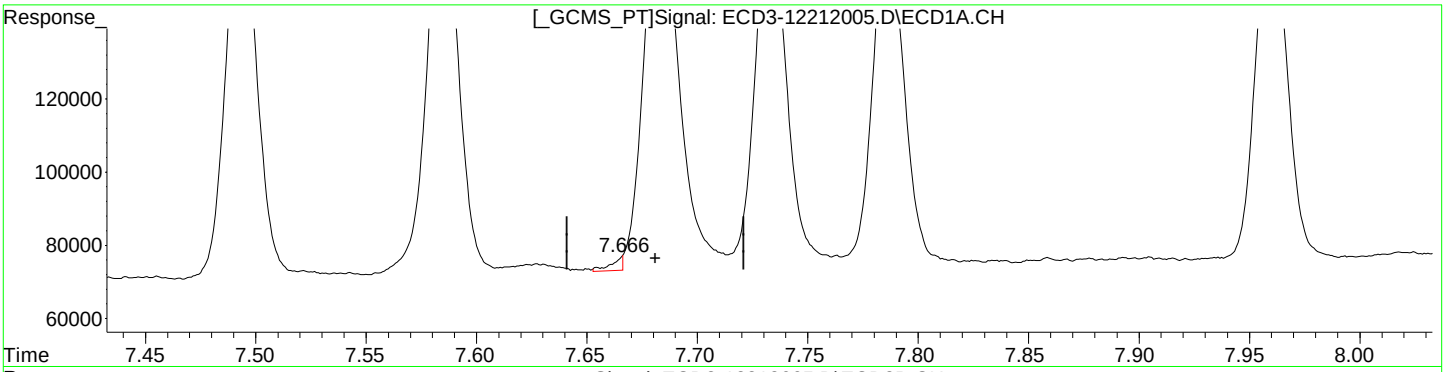


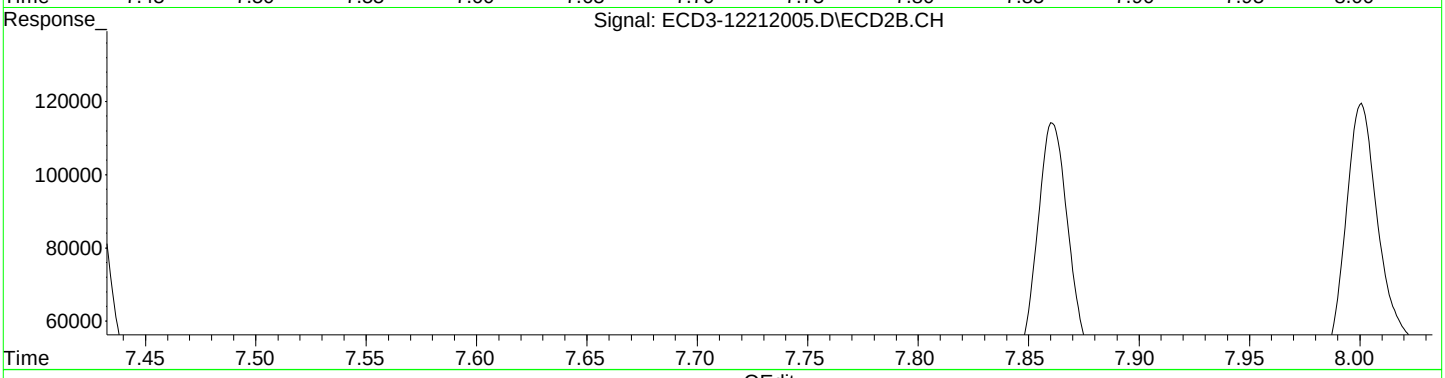
R = 2.35e+001 A*A + 1.69e+005 A + 3.05e+004
Coef of Det (r^2) = 0.998 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Calibration Table Last Updated: Tue Dec 22 16:15:52 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212005.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 21 Dec 2020 16:36
Operator : MJB
Sample   : 0L21060-CAL1
Misc   : A20L362, AB 0.5 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:18:53 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Small noise peaks clipped





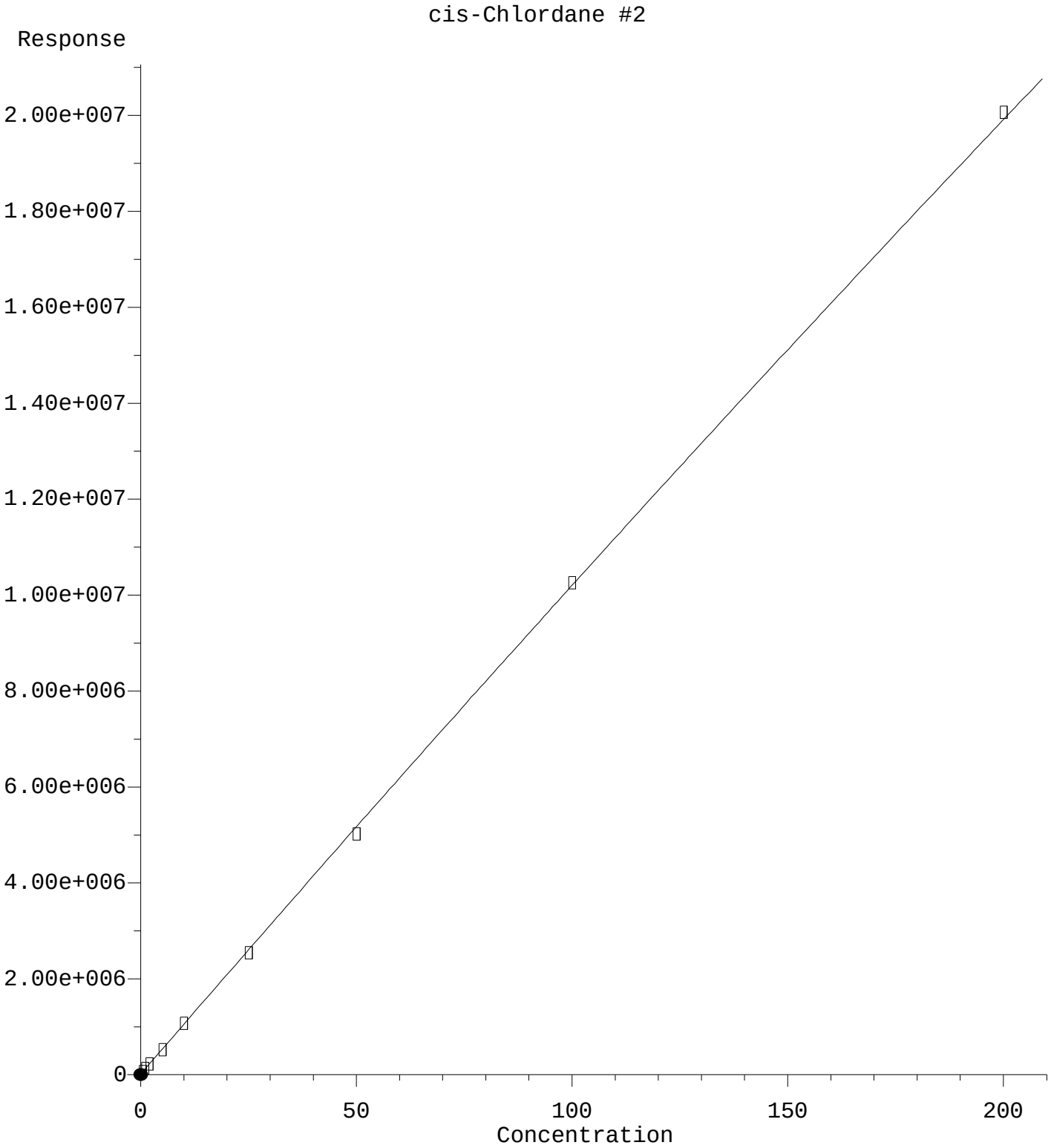
QEdit

(10) cis-Chlordane
7.666min -0.158 ng/mL m
response 3683

MJB 12/22/20

(10) cis-Chlordane #2
8.108min 0.477 ng/mL
response 66856

(+) = Expected Retention Time
ECD3_QUANTPEST_201221.M Tue Dec 22 18:15:50 2020 Page: 1

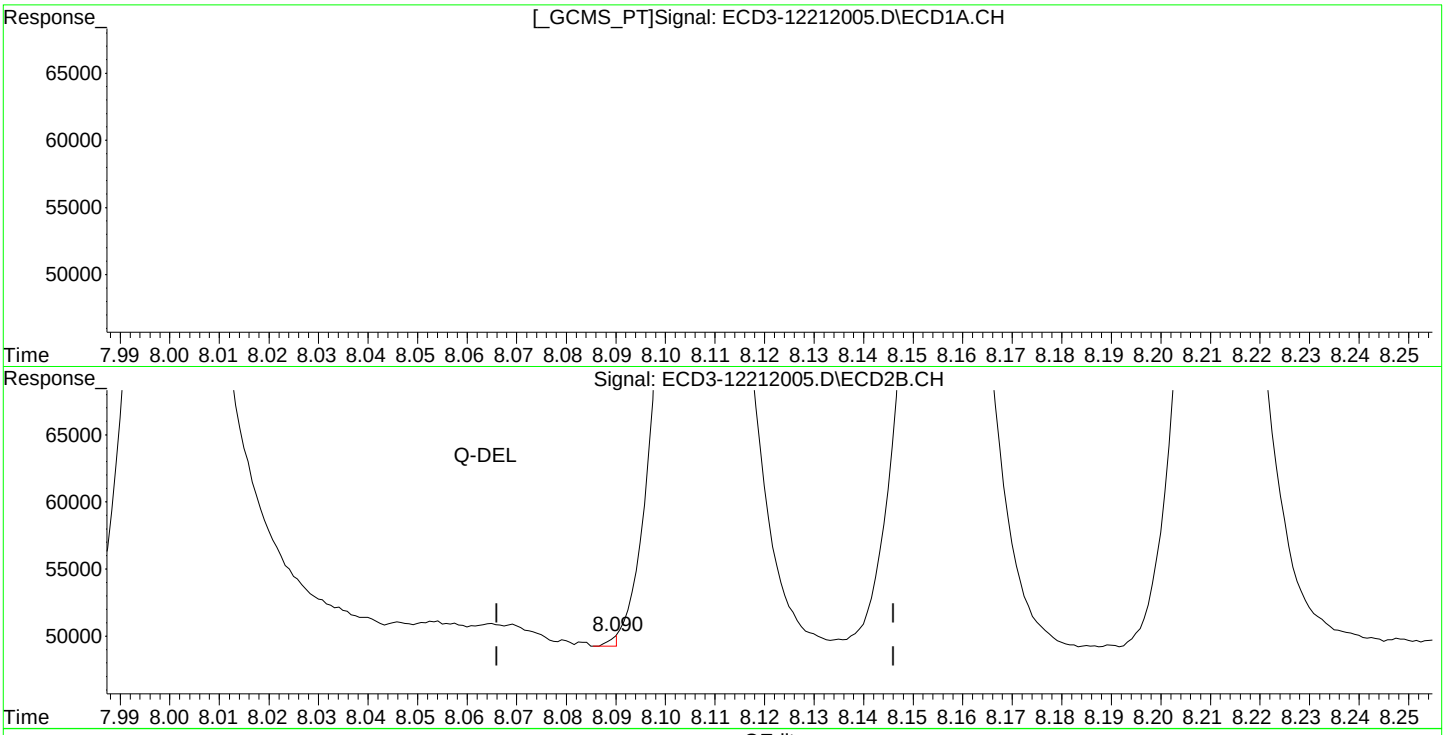


R = -2.35e+001 A*A + 1.04e+005 A + 1.71e+004
Coef of Det (r^2) = 0.998 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Calibration Table Last Updated: Tue Dec 22 16:15:52 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212005.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 21 Dec 2020 16:36
Operator : MJB
Sample   : 0L21060-CAL1
Misc   : A20L362, AB 0.5 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:18:53 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Small noise peaks clipped

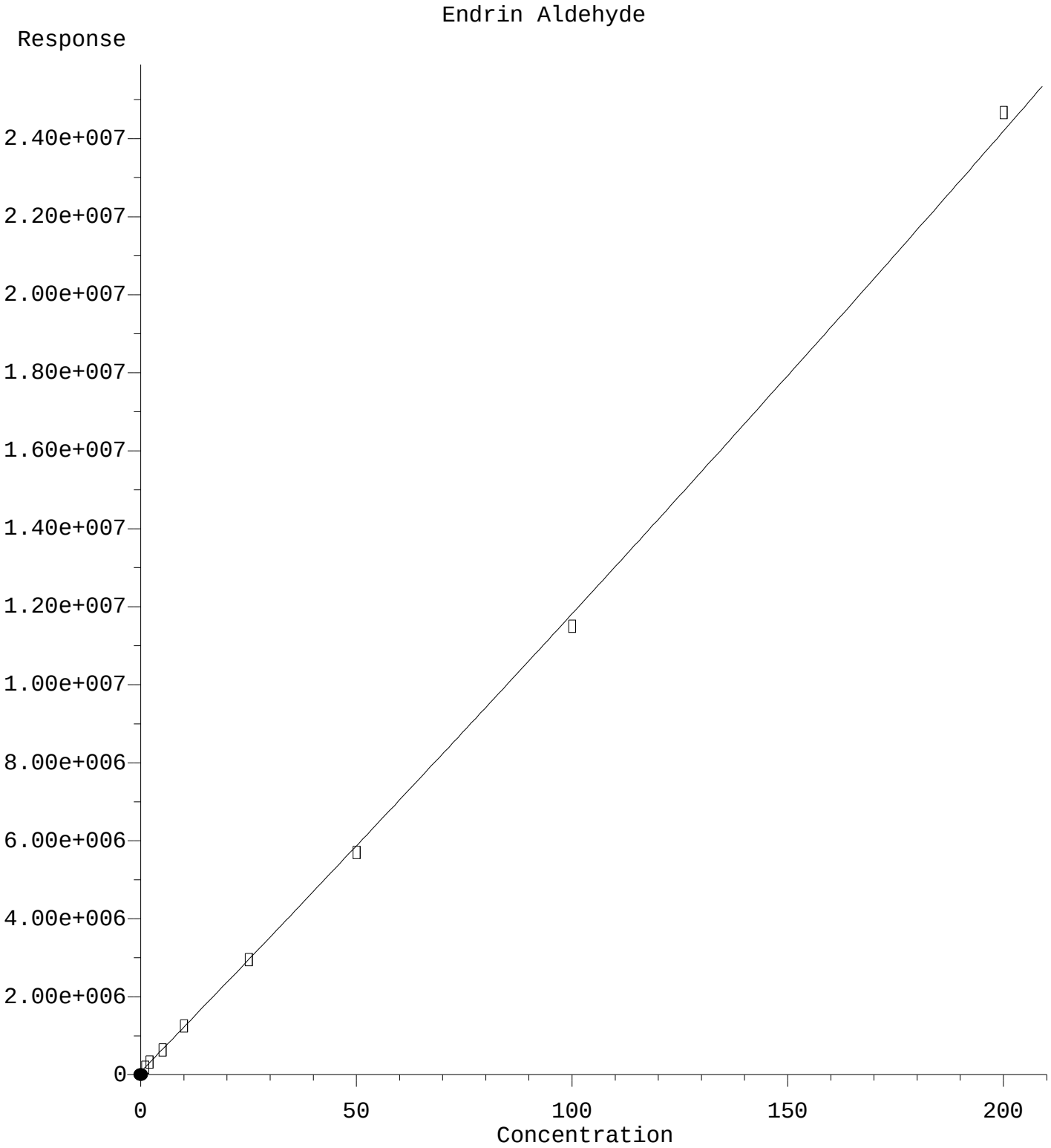


(10) cis-Chlordane
7.666min -0.158 ng/mL m
response 3683

MJB 12/22/20

(10) cis-Chlordane #2
~~8.090min~~ ~~4425.641 ng/mL m~~
response ~~744~~

(+) = Expected Retention Time
ECD3_QUANTPEST_201221.M Tue Dec 22 18:16:01 2020 Page: 1

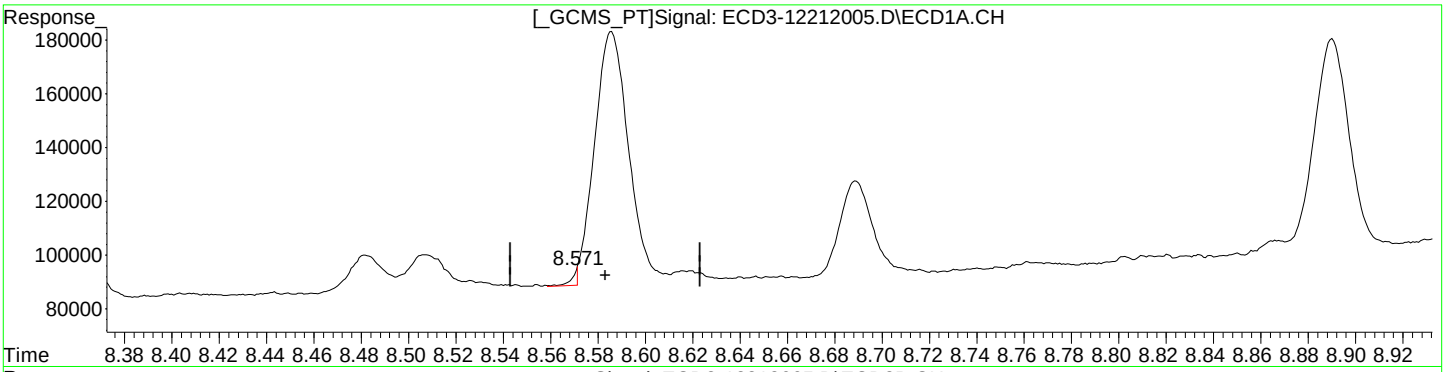


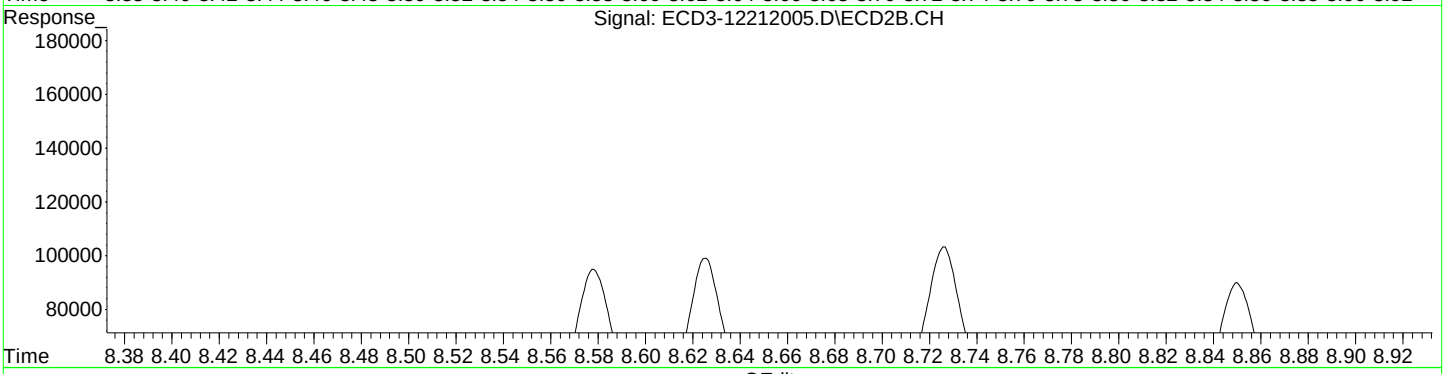
R = 3.25e+001 A*A + 1.14e+005 A + 8.20e+004
Coef of Det (r^2) = 0.998 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Calibration Table Last Updated: Tue Dec 22 16:15:52 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212005.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 21 Dec 2020 16:36
Operator : MJB
Sample   : 0L21060-CAL1
Misc   : A20L362, AB 0.5 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:18:53 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Small noise peaks clipped





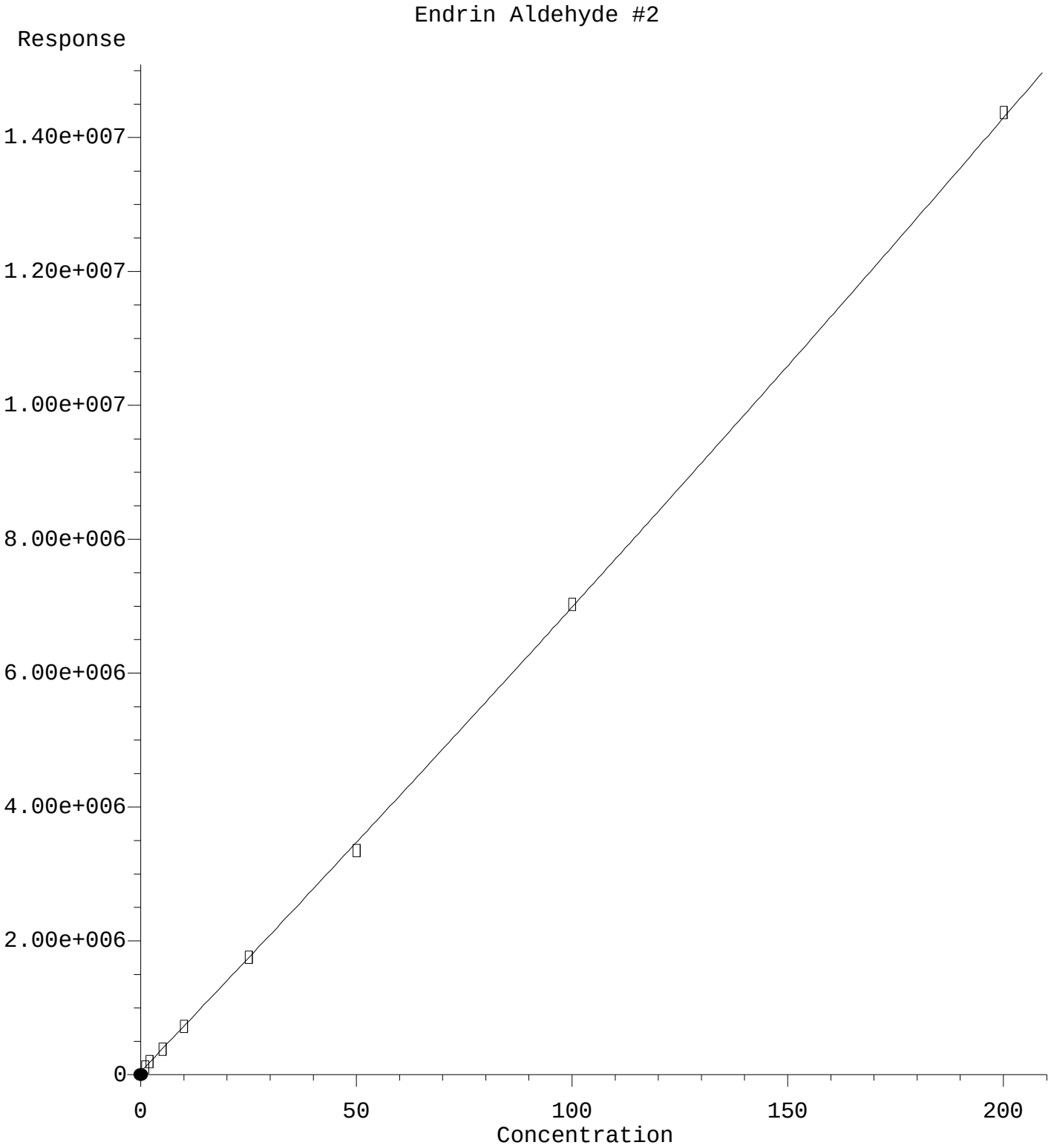
QEdit

(18) Endrin Aldehyde
8.571min -0.669 ng/mL m
response 5687

MJB 12/22/20

(18) Endrin Aldehyde #2
8.961min 0.117 ng/mL
response 59099

(+) = Expected Retention Time

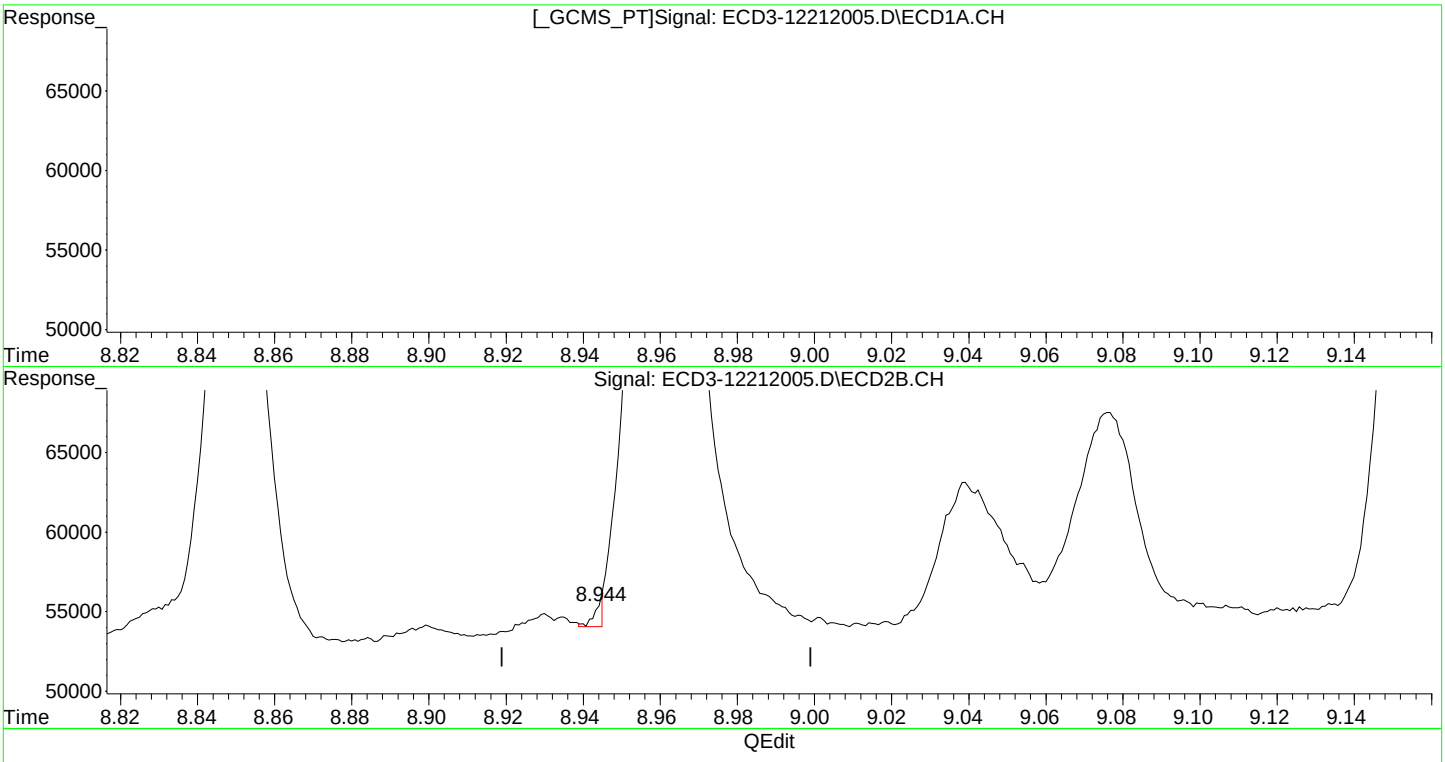


R = 1.90e+001 A*A + 6.74e+004 A + 5.12e+004
Coef of Det (r^2) = 0.998 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Calibration Table Last Updated: Tue Dec 22 16:15:52 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212005.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 21 Dec 2020 16:36
Operator : MJB
Sample   : 0L21060-CAL1
Misc   : A20L362, AB 0.5 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:18:53 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Small noise peaks clipped



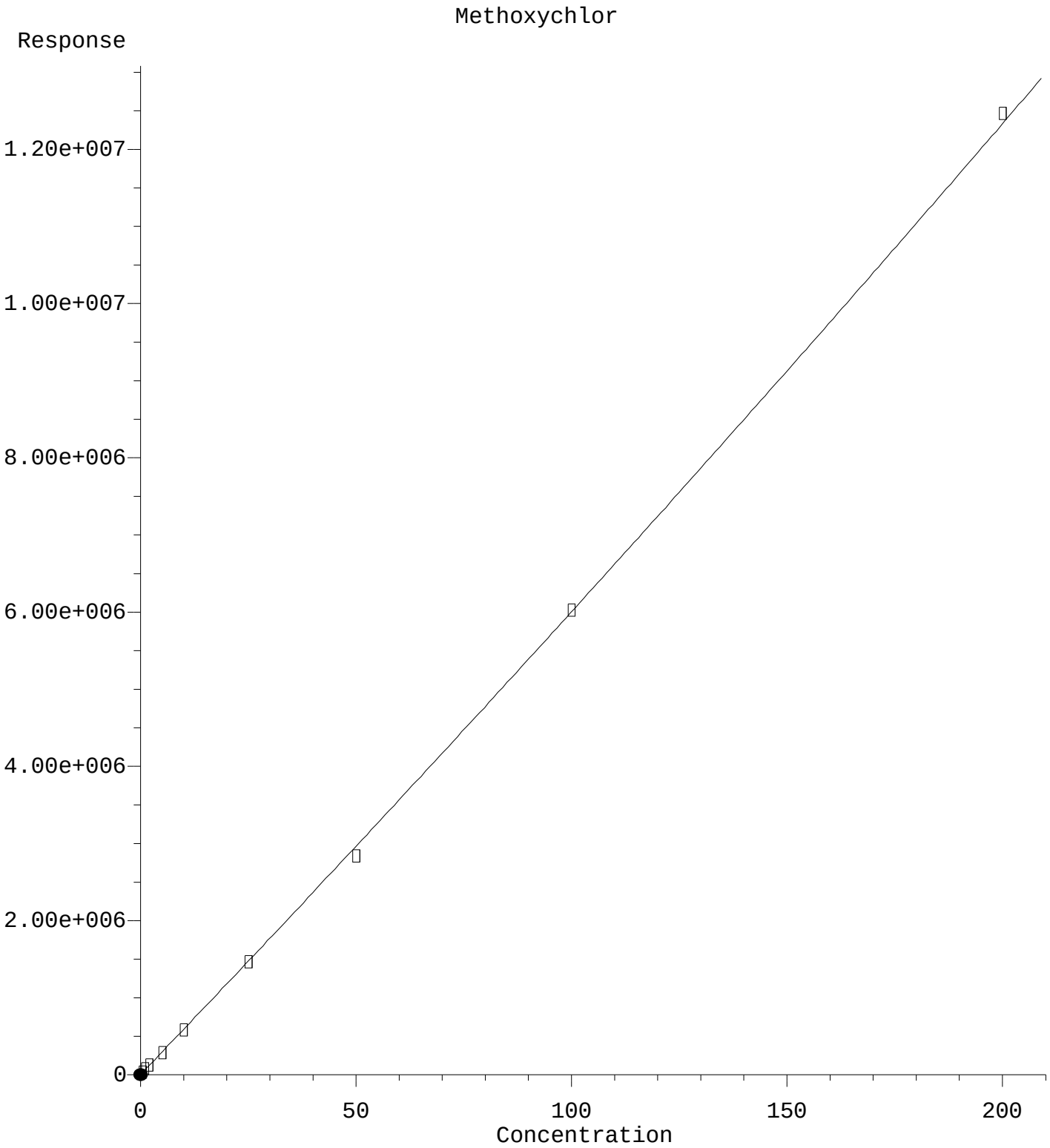
QEdit

(18) Endrin Aldehyde
8.571min -0.669 ng/mL m
response 5687

MJB 12/22/20

(18) Endrin Aldehyde #2
8.944min -0.740 ng/mL m
response 1324

(+) = Expected Retention Time

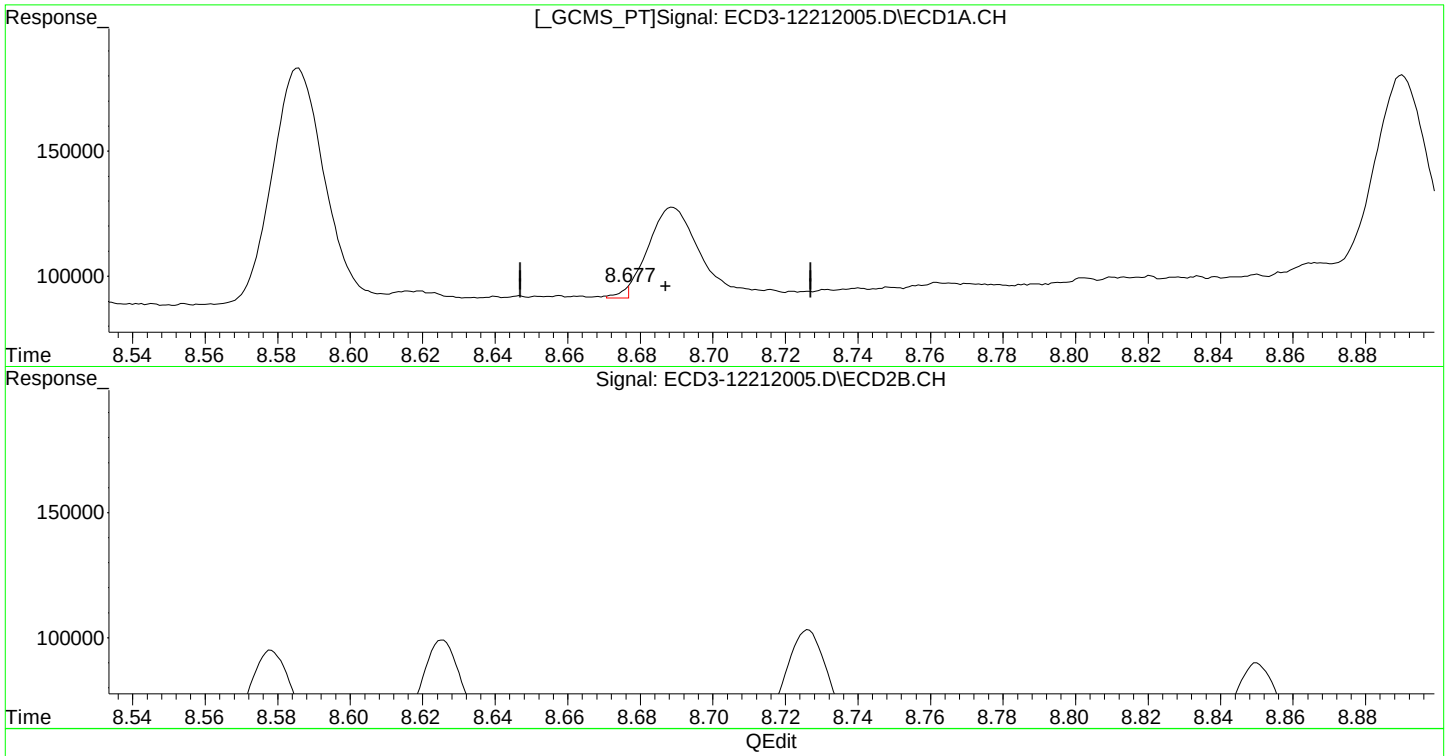


R = 1.69e+001 A*A + 5.83e+004 A + 8.61e+003
Coef of Det (r^2) = 0.993 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Calibration Table Last Updated: Tue Dec 22 16:15:52 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212005.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 21 Dec 2020 16:36
Operator : MJB
Sample   : 0L21060-CAL1
Misc   : A20L362, AB 0.5 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:18:53 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Small noise peaks clipped

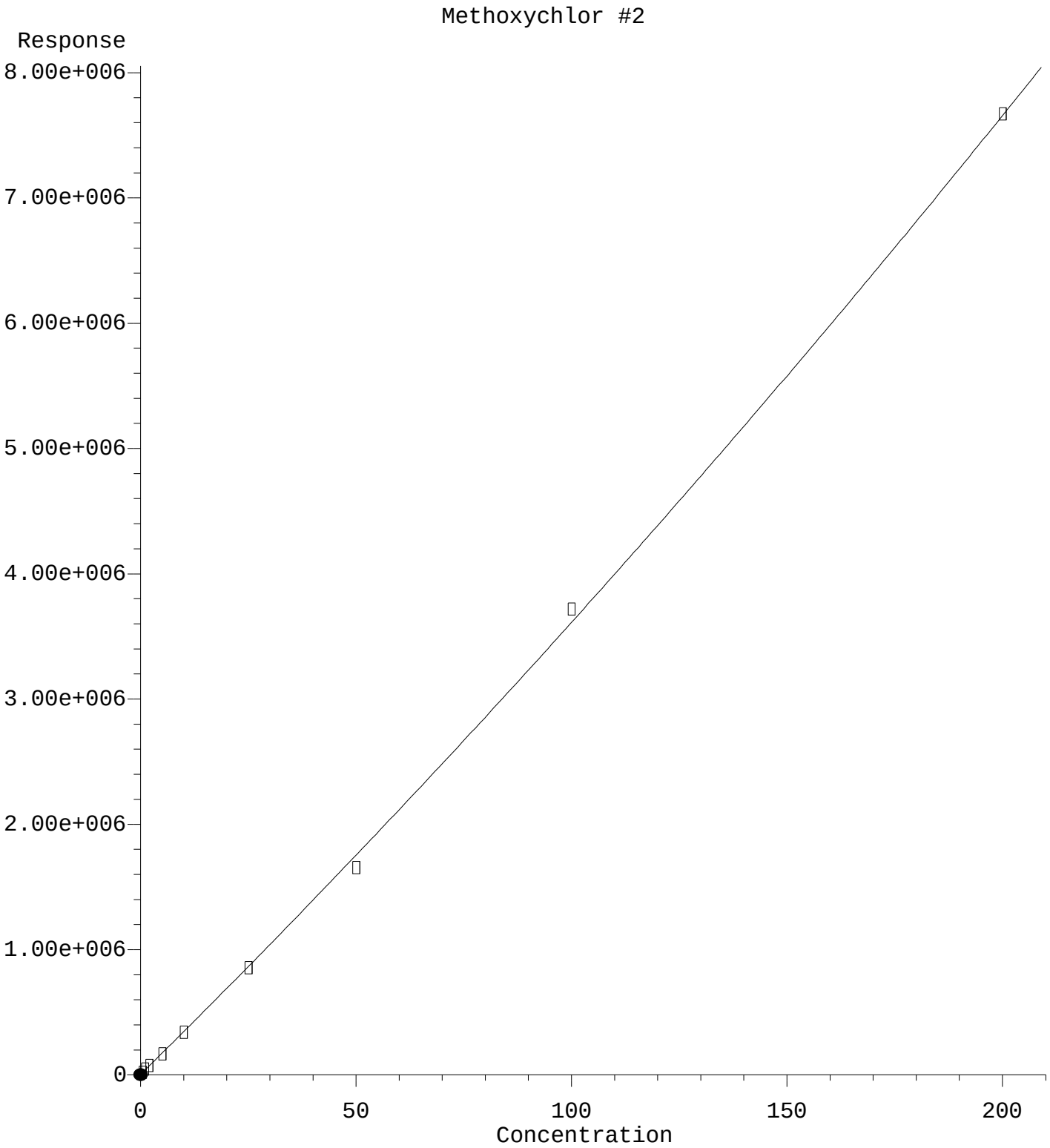


(20) Methoxychlor
8.677min -0.070 ng/mL m
response 4540

MJB 12/22/20

(20) Methoxychlor #2
9.317min 0.459 ng/mL
response 20917

(+) = Expected Retention Time

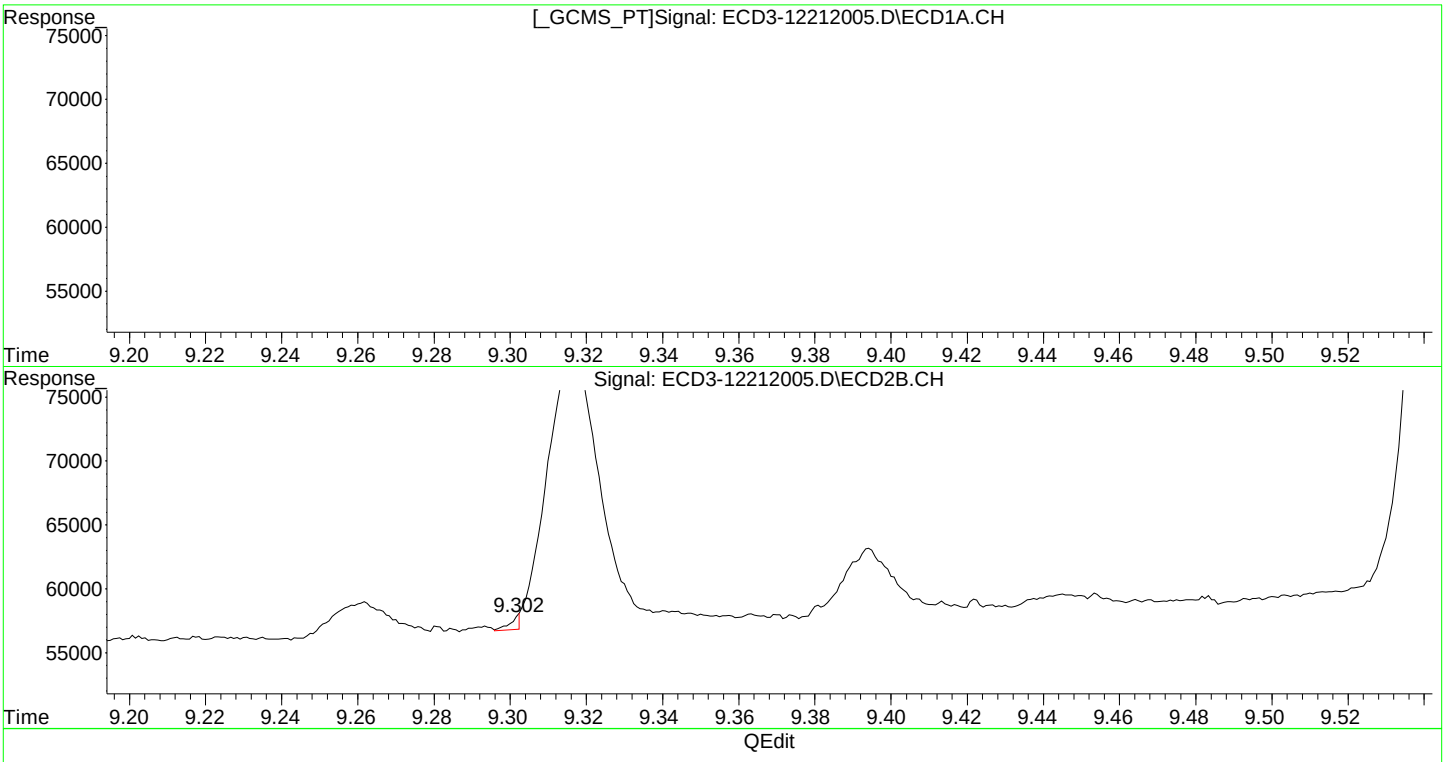


R = 2.21e+001 A*A + 3.39e+004 A + 5.38e+003
Coef of Det (r^2) = 0.994 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Calibration Table Last Updated: Tue Dec 22 16:15:52 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212005.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 21 Dec 2020 16:36
Operator : MJB
Sample   : 0L21060-CAL1
Misc   : A20L362, AB 0.5 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:18:53 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Small noise peaks clipped

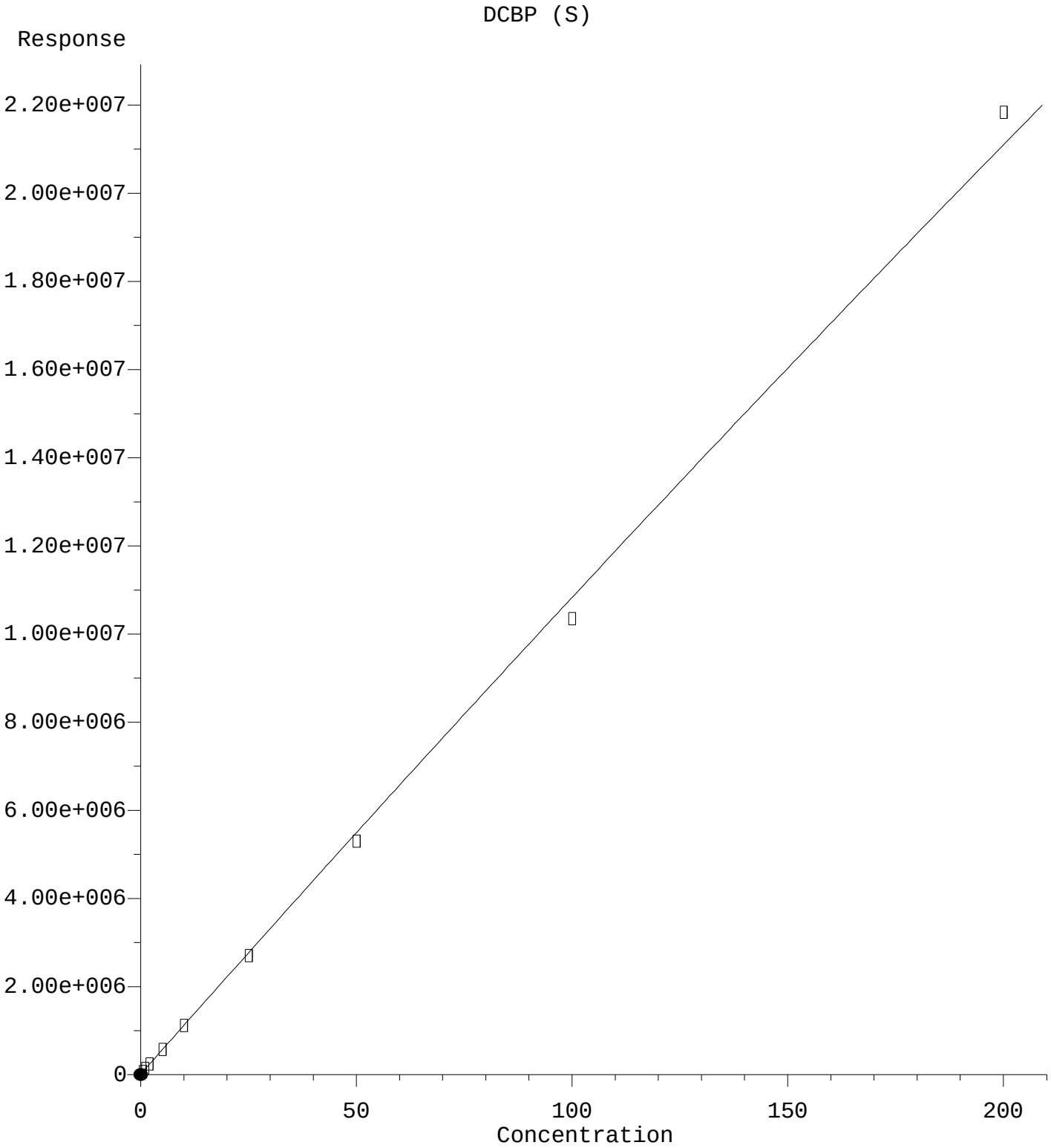


(20) Methoxychlor
8.677min -0.070 ng/mL m
response 4540

MJB 12/22/20

(20) Methoxychlor #2
9.302min -0.130 ng/mL m
response 975

(+) = Expected Retention Time

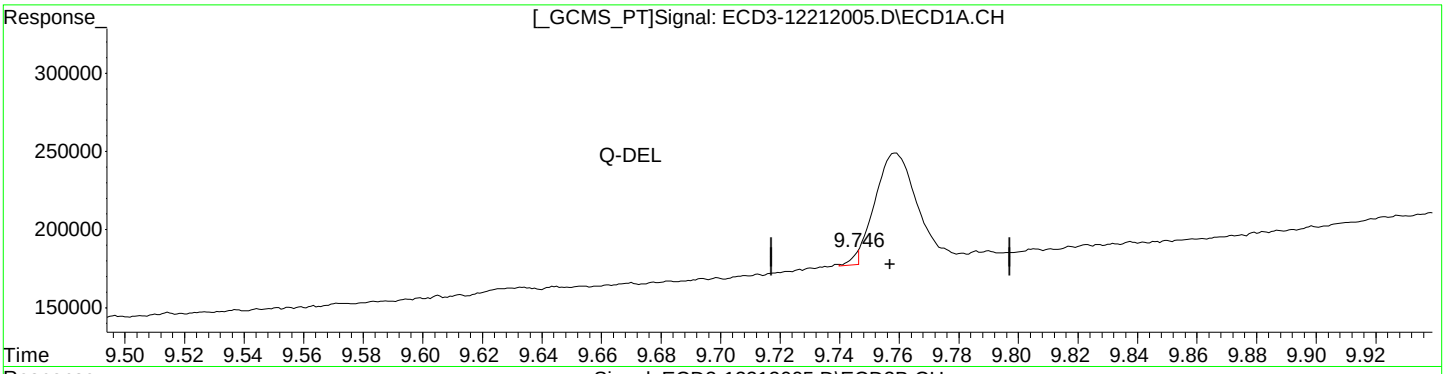


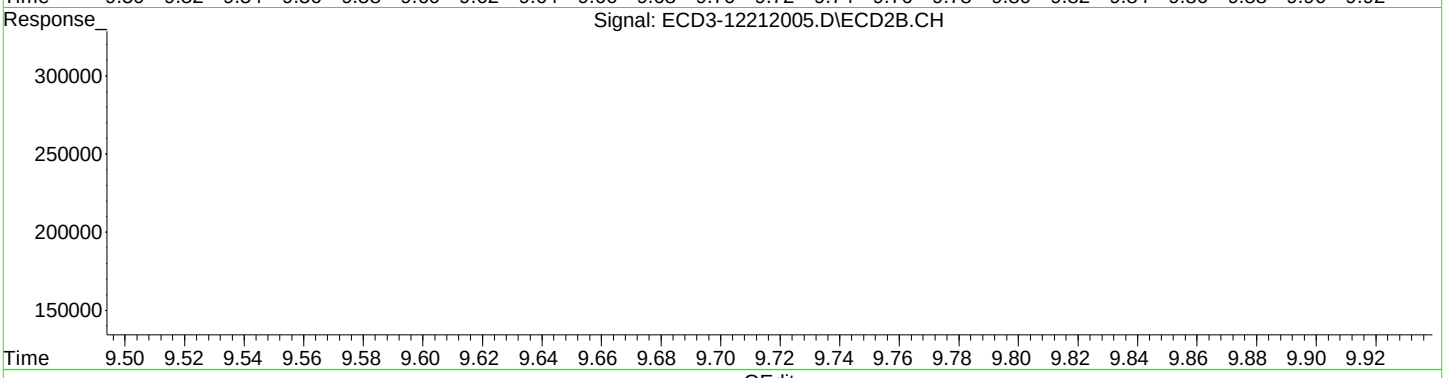
R = -2.66e+001 A*A + 1.11e+005 A + 2.02e+004
Coef of Det (r^2) = 0.996 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Calibration Table Last Updated: Tue Dec 22 16:15:52 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212005.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 16:36
Operator : MJB
Sample : 0L21060-CAL1
Misc : A20L362, AB 0.5 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:18:53 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





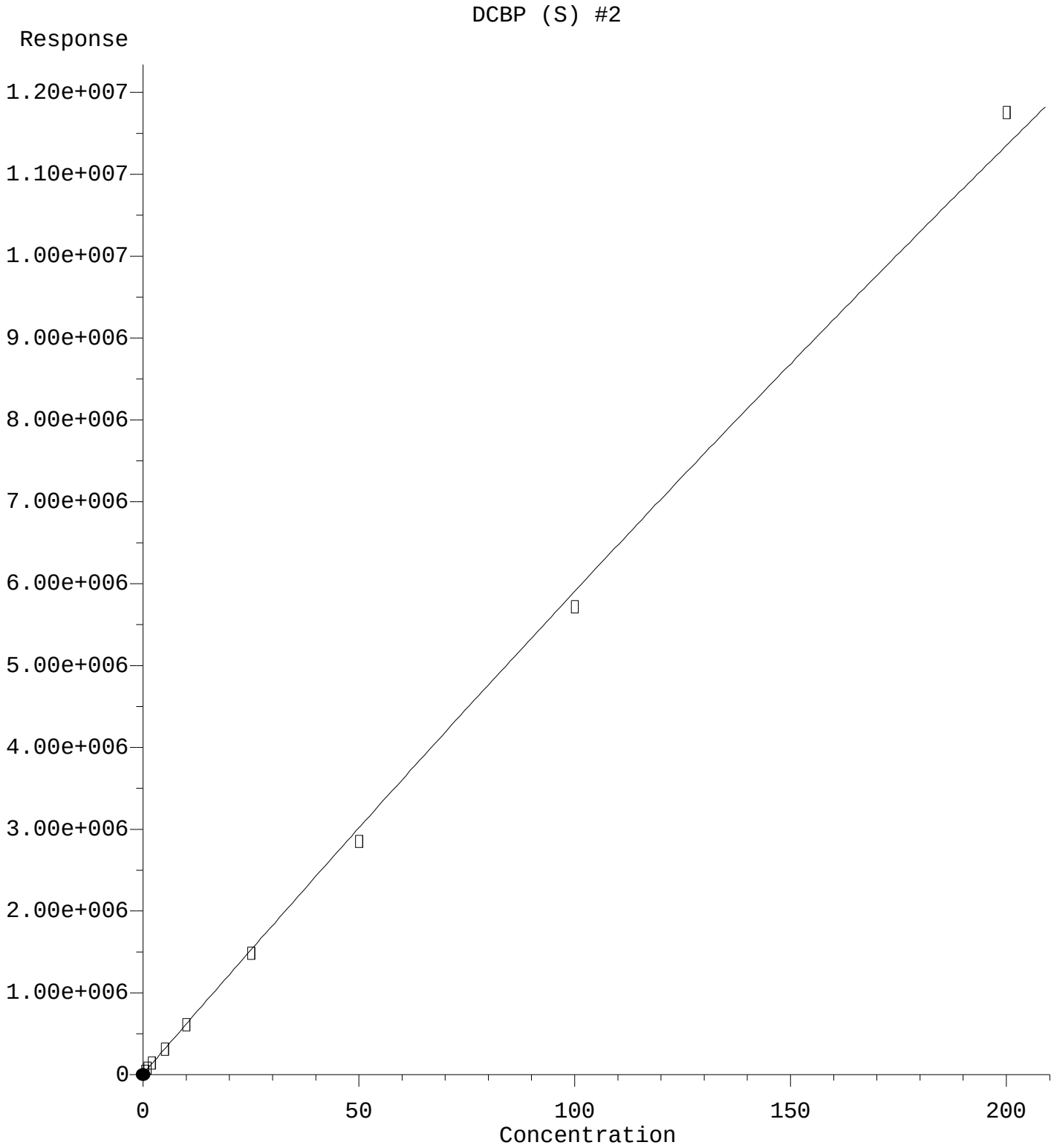
QEdit

(22) DCBP (S) (S)
~~9.746min 4157.994 ng/mL m~~
response ~~7981~~

MJB 12/22/20

(22) DCBP (S) #2 (S)
10.387min 0.461 ng/mL
response 40721

(+) = Expected Retention Time

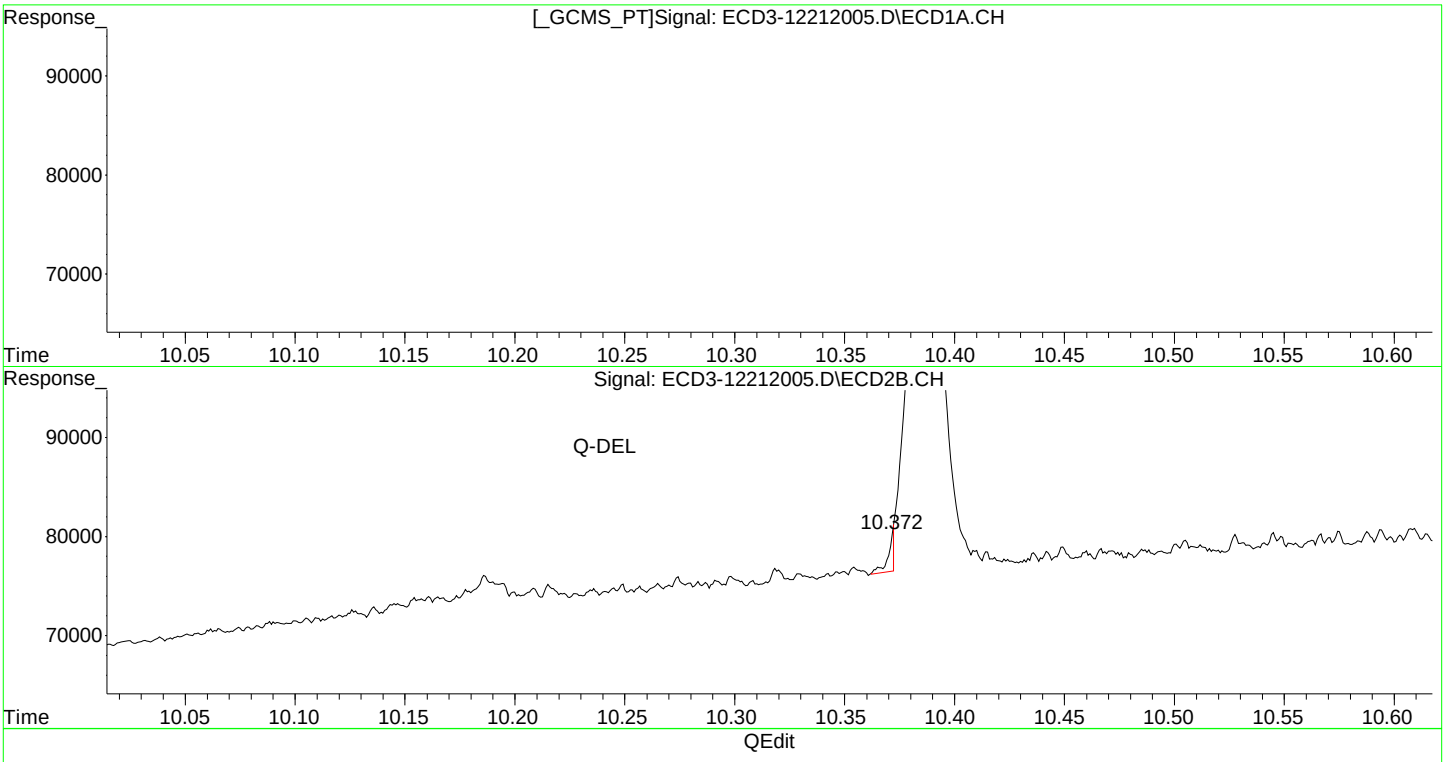


R = -2.22e+001 A*A + 6.12e+004 A + 1.25e+004
Coef of Det (r^2) = 0.994 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Calibration Table Last Updated: Tue Dec 22 16:15:52 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212005.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 21 Dec 2020 16:36
Operator : MJB
Sample   : 0L21060-CAL1
Misc   : A20L362, AB 0.5 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:18:53 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Small noise peaks clipped



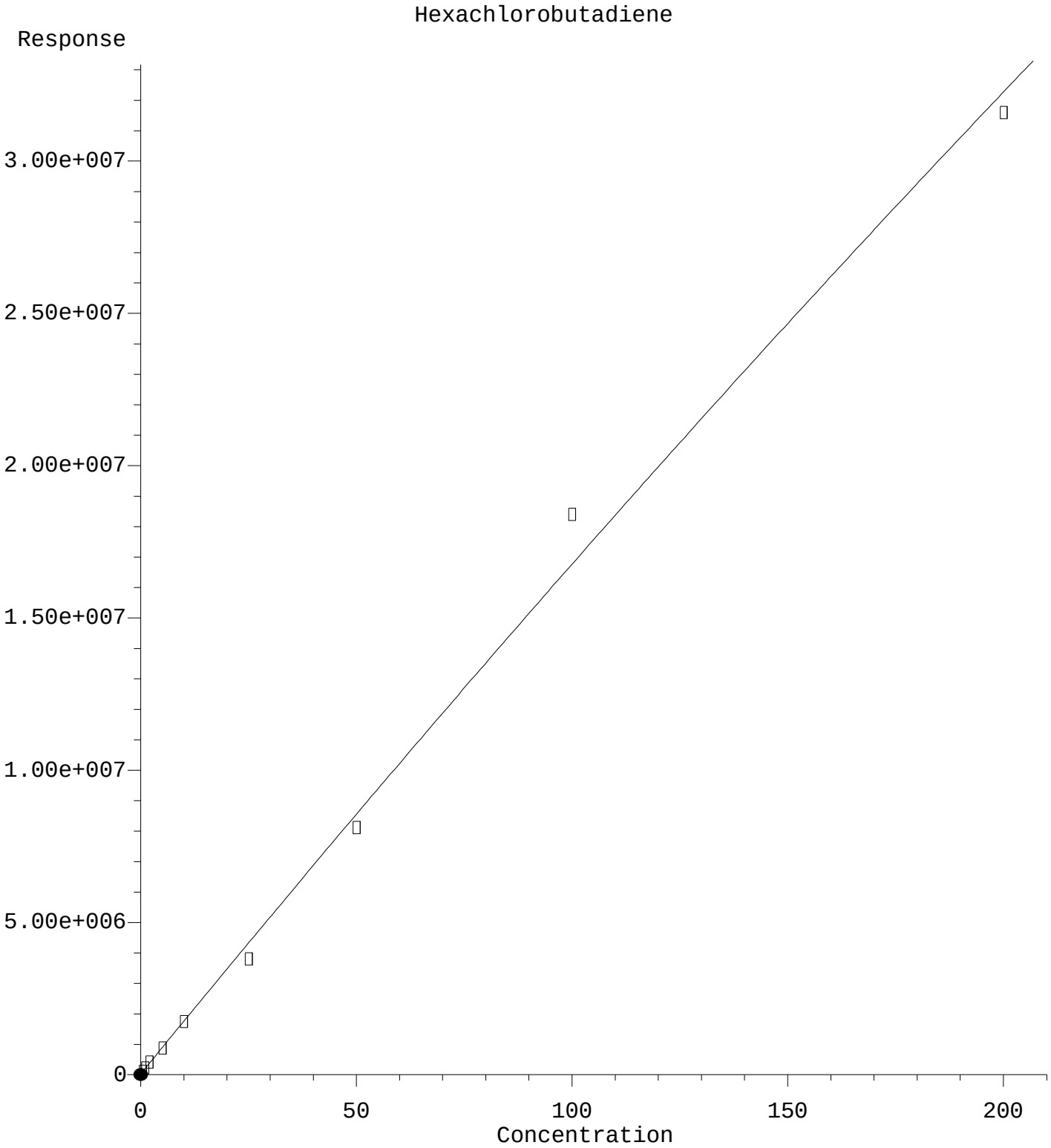
QEdit

(22) DCBP (S) (S)
9.746min 4157.994 ng/mL m
response 7981

MJB 12/22/20

(22) DCBP (S) #2 (S)
~~10.372min~~ ~~2751.245 ng/mL m~~
response ~~3737~~

(+) = Expected Retention Time

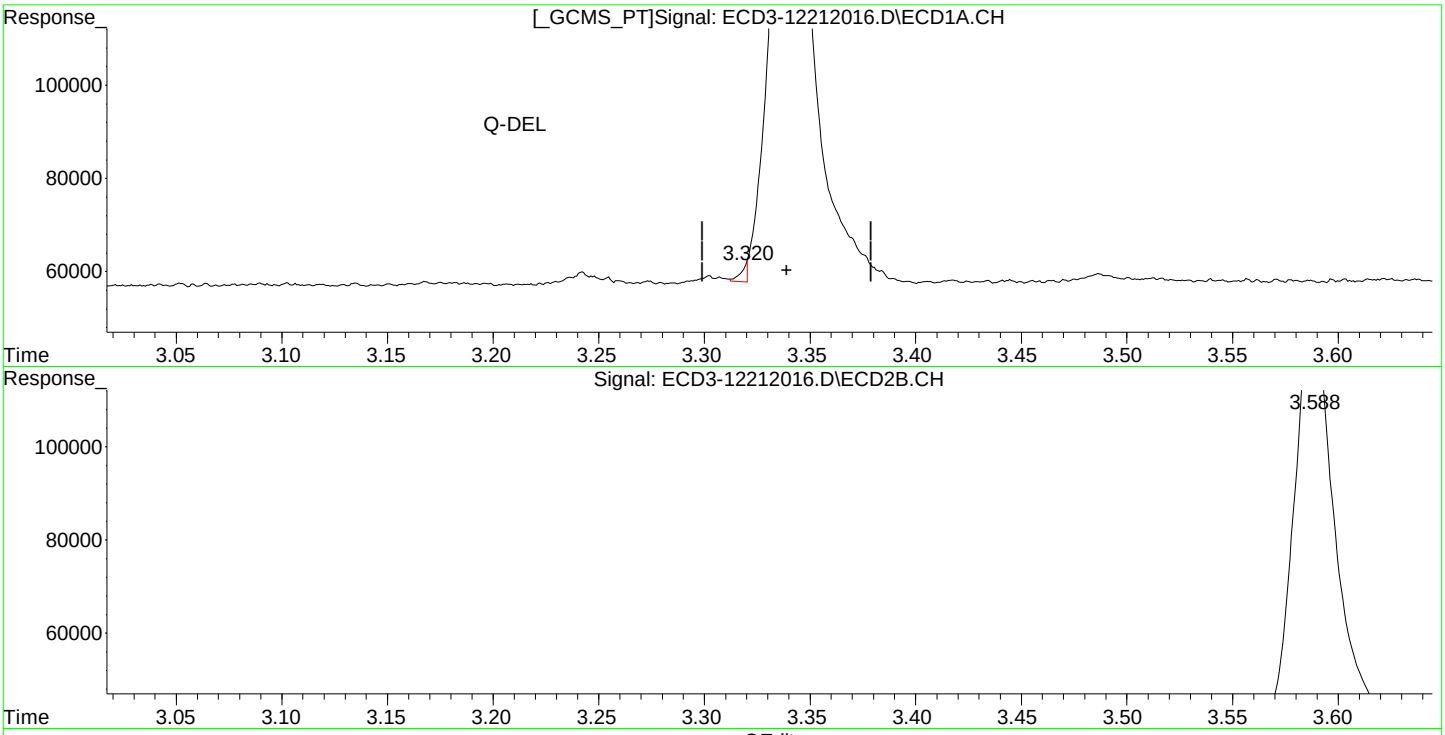


R = -6.10e+001 A*A + 1.73e+005 A + 3.53e+004
Coef of Det (r^2) = 0.991 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Calibration Table Last Updated: Tue Dec 22 16:15:52 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212016.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 19:45
Operator : MJB
Sample : 0L21060-CALA
Misc : A20L364, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:23:16 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



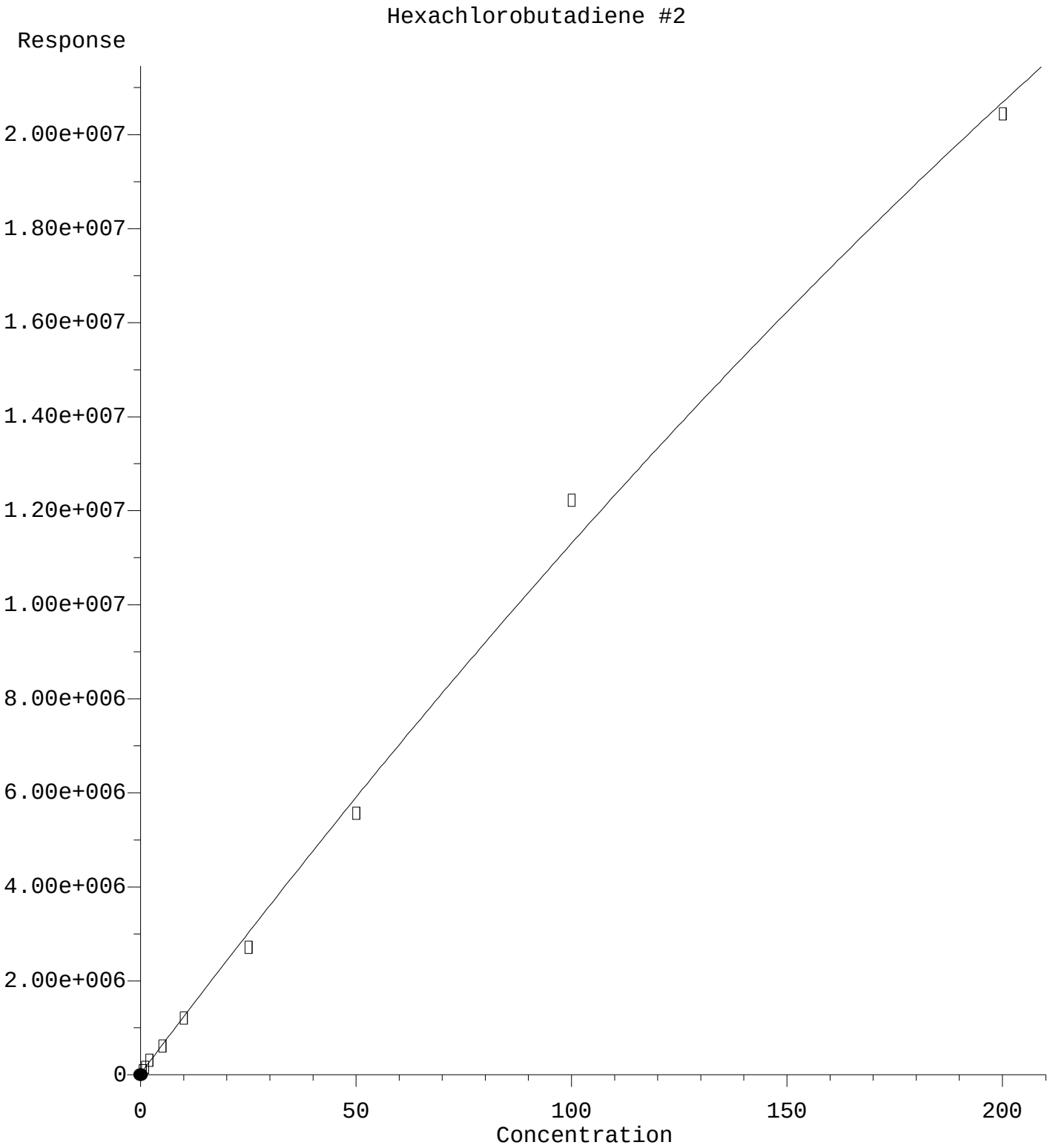
QEdit

(23) Hexachlorobutadiene
~~3.320min 2844.162 ng/mL m~~
response ~~3622~~

MJB 12/22/20

(23) Hexachlorobutadiene #2
3.588min 0.463 ng/mL
response 85637

(+) = Expected Retention Time

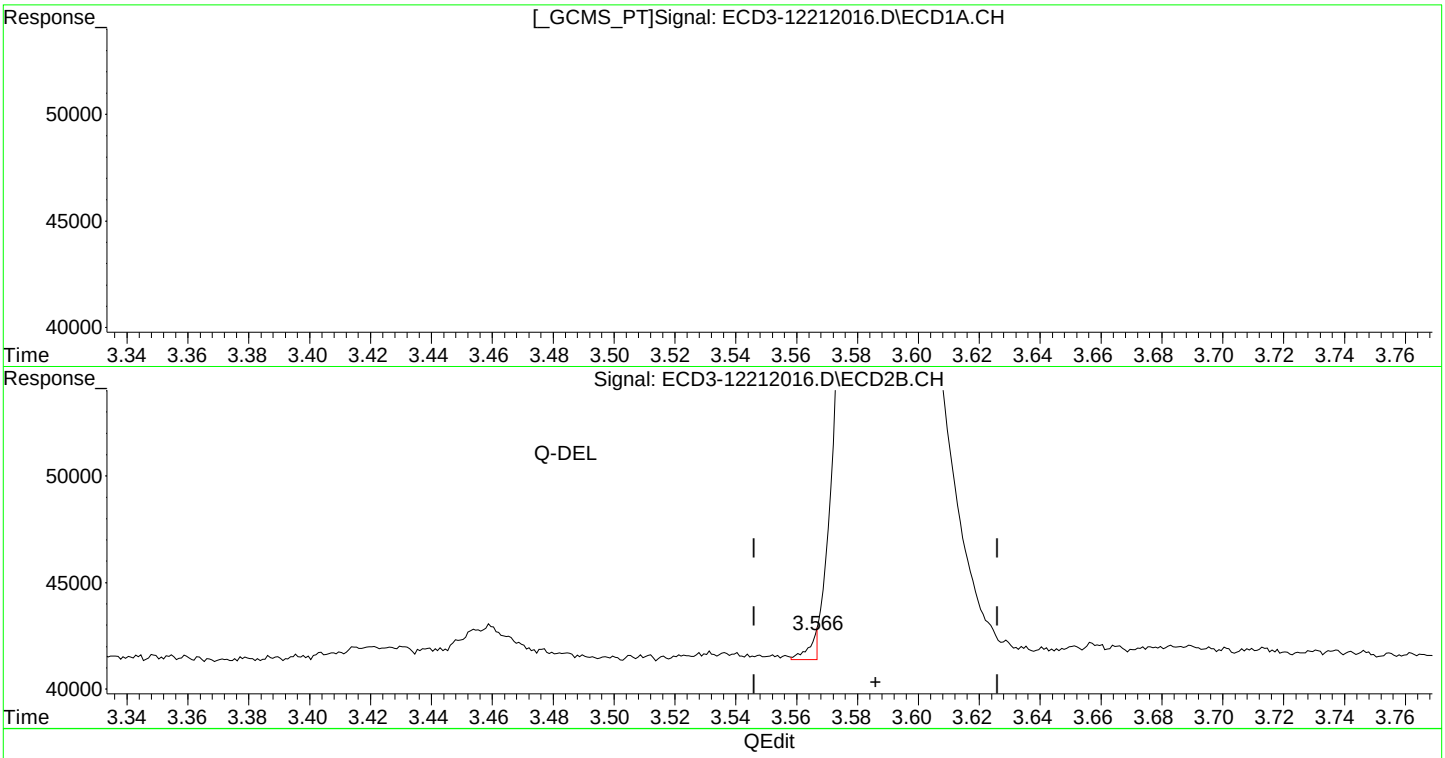


R = -9.44e+001 A*A + 1.22e+005 A + 2.91e+004
Coef of Det (r^2) = 0.990 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Calibration Table Last Updated: Tue Dec 22 16:15:52 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212016.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 19:45
Operator : MJB
Sample : 0L21060-CALA
Misc : A20L364, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:23:16 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

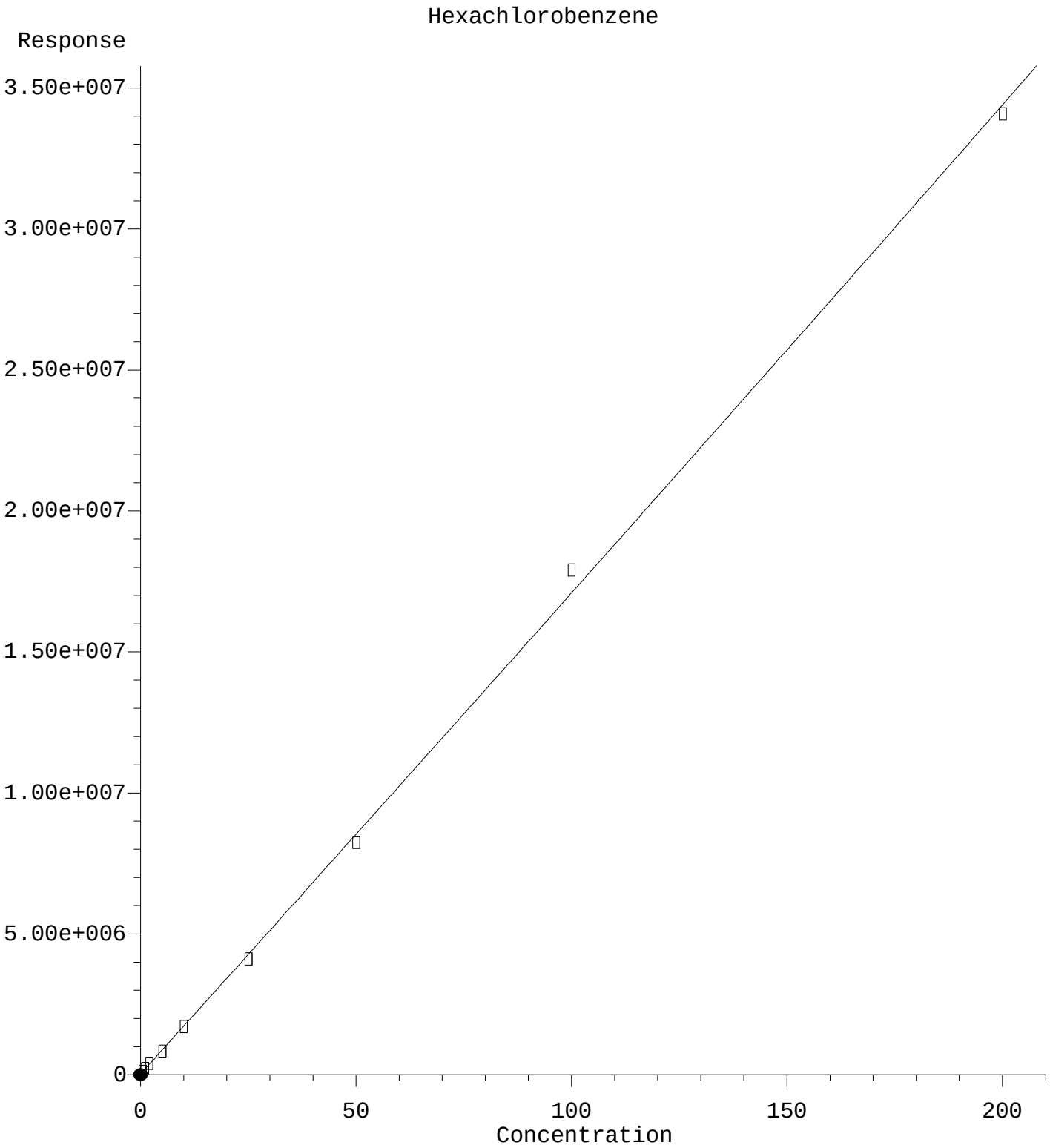


(23) Hexachlorobutadiene
3.320min 2844.162 ng/mL m
response 3622

MJB 12/22/20

(23) Hexachlorobutadiene #2
~~3.566min~~ ~~1294.152 ng/mL m~~
response ~~1184~~

(+) = Expected Retention Time

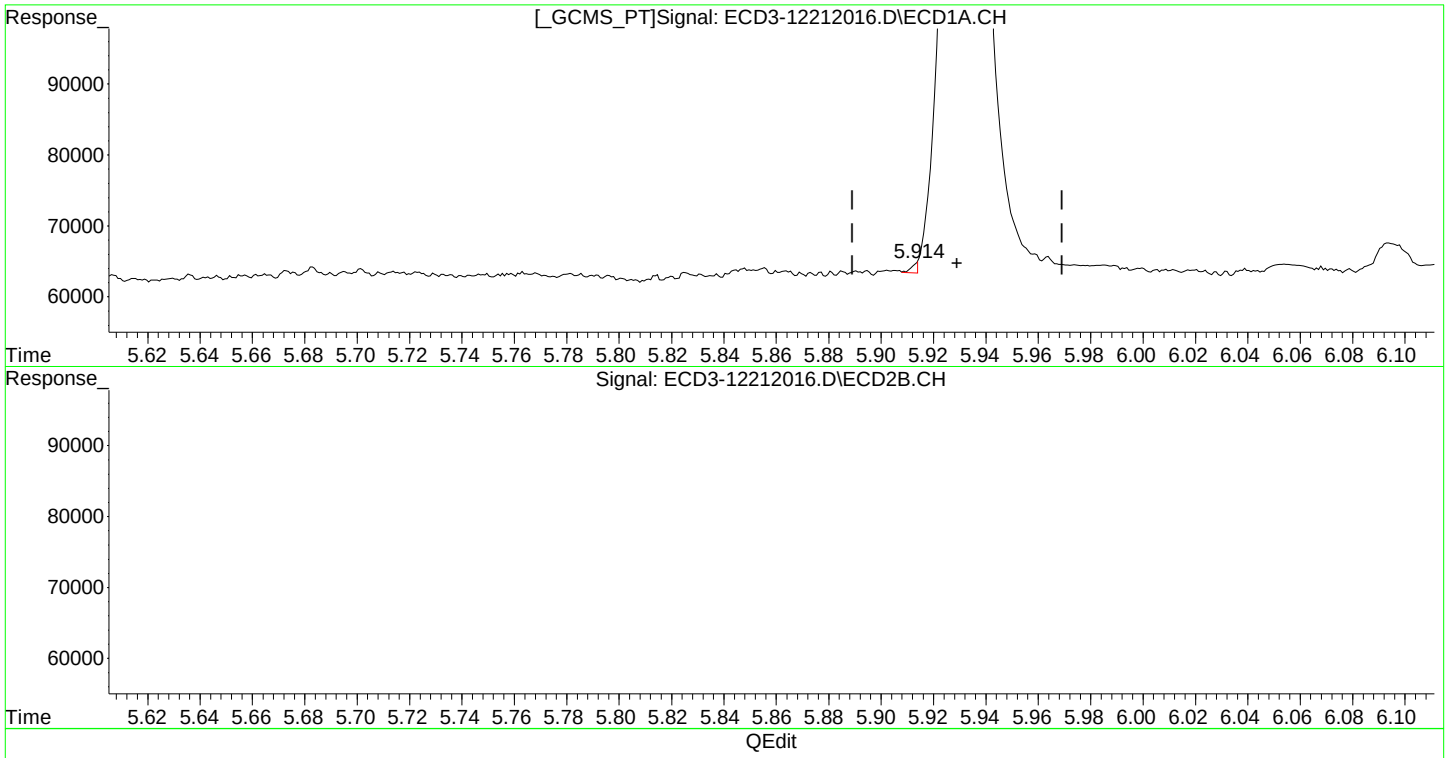


R = 1.36e+001 A*A + 1.69e+005 A + 4.14e+004
Coef of Det (r^2) = 0.996 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Calibration Table Last Updated: Tue Dec 22 16:15:52 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212016.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 21 Dec 2020 19:45
Operator : MJB
Sample   : 0L21060-CALA
Misc   : A20L364, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:23:16 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Small noise peaks clipped

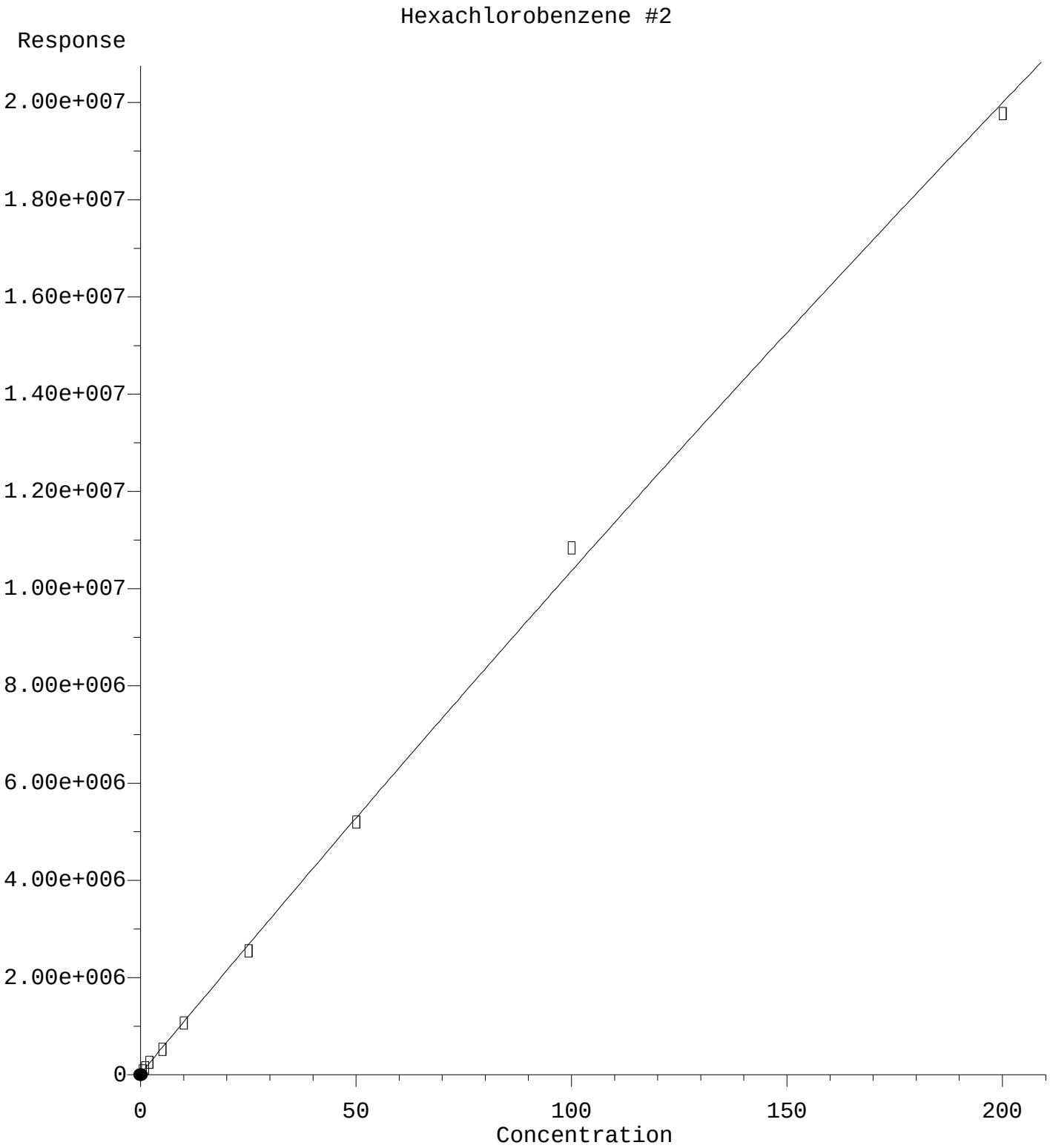


(24) Hexachlorobenzene
5.914min -0.236 ng/mL m
response 1507

MJB 12/22/20

(24) Hexachlorobenzene #2
6.341min 0.466 ng/mL
response 77749

(+) = Expected Retention Time

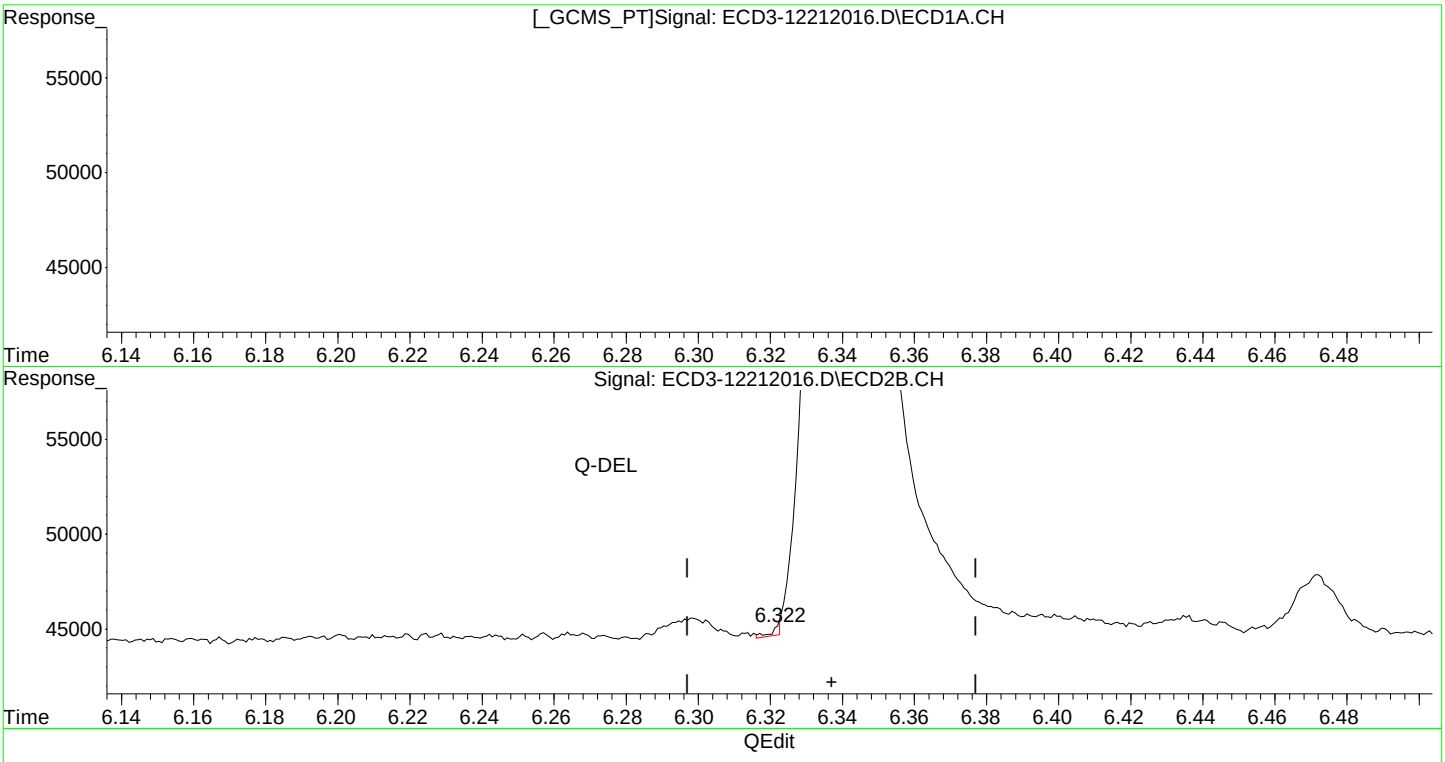


R = -3.50e+001 A*A + 1.07e+005 A + 2.80e+004
Coef of Det (r^2) = 0.994 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Calibration Table Last Updated: Tue Dec 22 16:15:52 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212016.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 19:45
Operator : MJB
Sample : 0L21060-CALA
Misc : A20L364, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:23:16 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

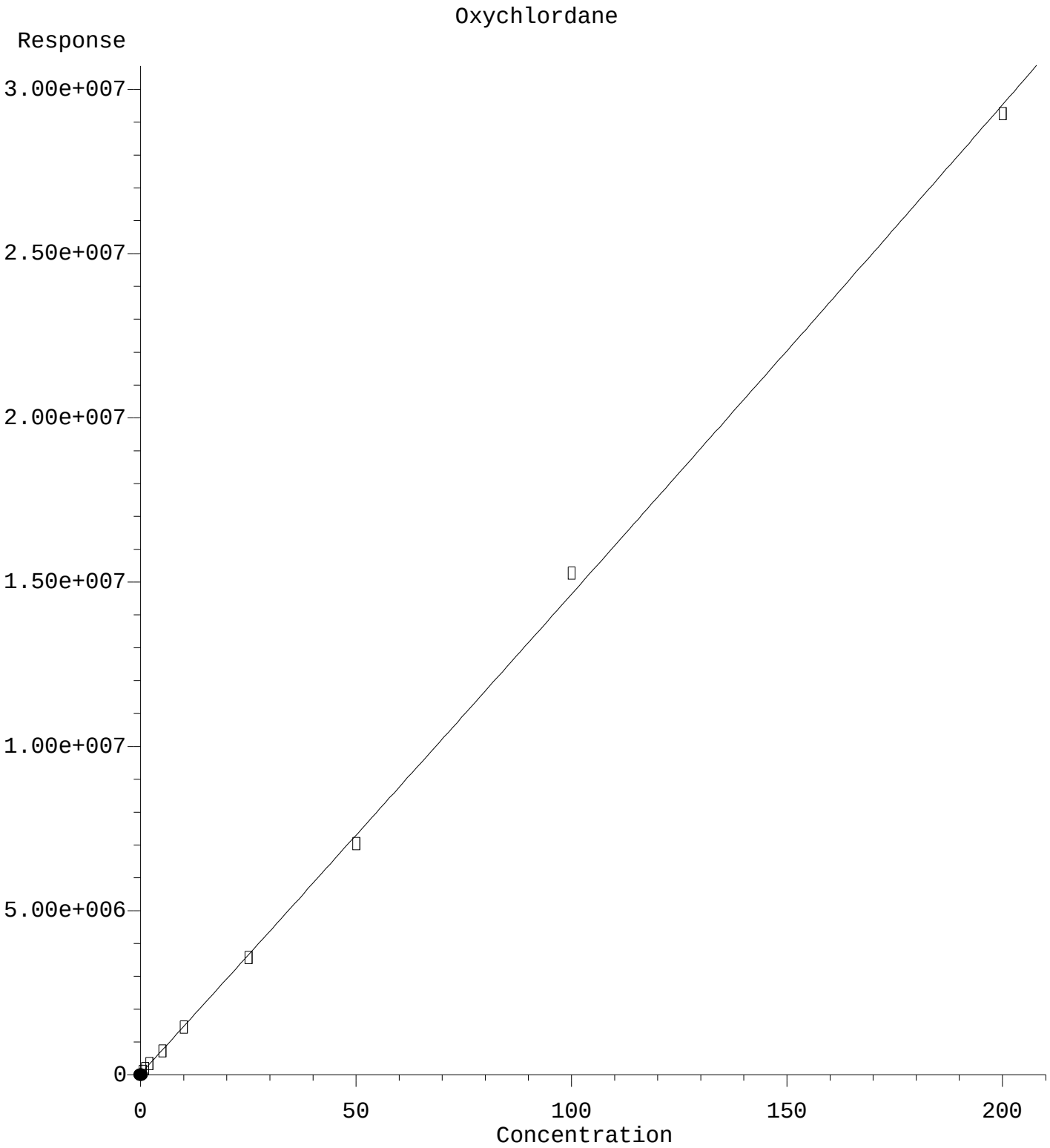


(24) Hexachlorobenzene
5.914min -0.236 ng/mL m
response 1507

MJB 12/22/20

(24) Hexachlorobenzene #2
~~6.322min~~ ~~3052.620 ng/mL m~~
response ~~472~~

(+) = Expected Retention Time

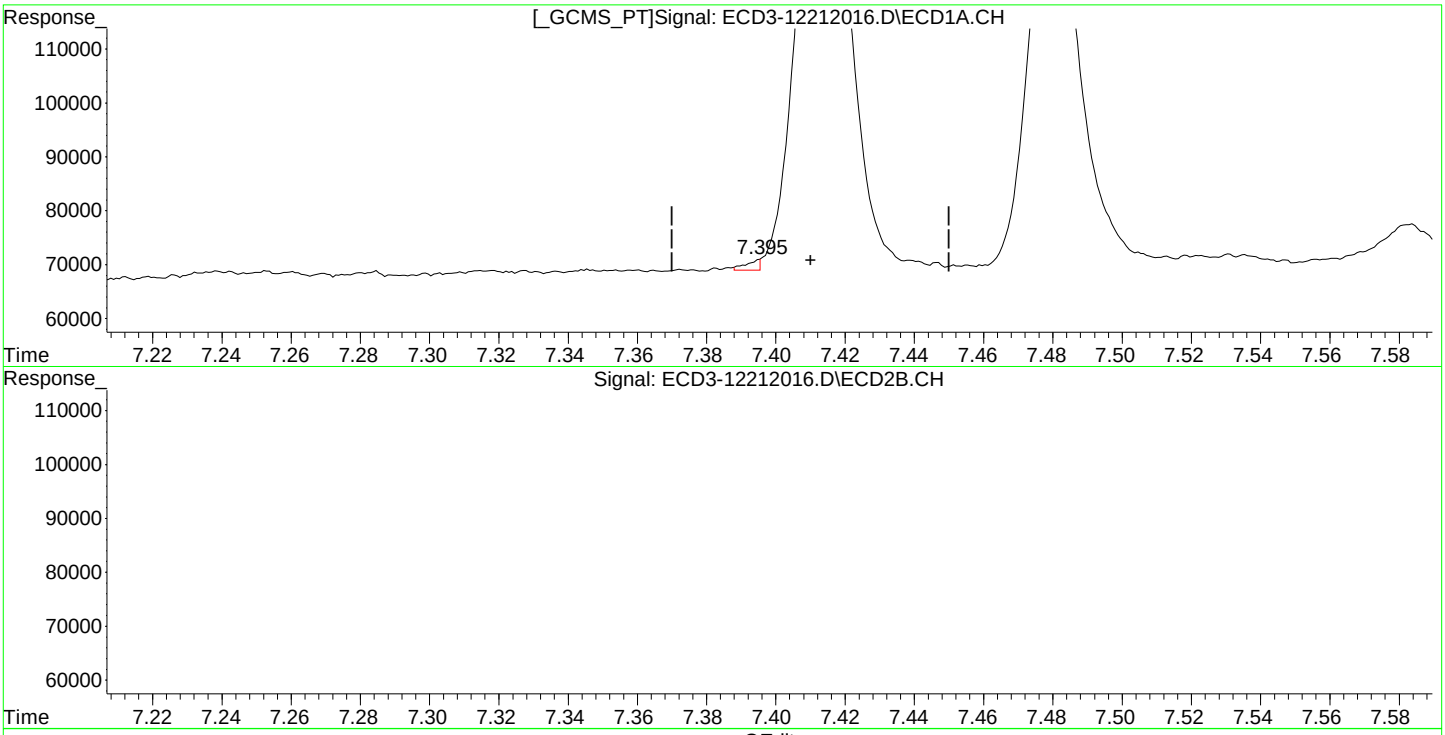


R = 1.54e+001 A*A + 1.44e+005 A + 3.32e+004
Coef of Det (r^2) = 0.998 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Calibration Table Last Updated: Tue Dec 22 16:15:52 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212016.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 21 Dec 2020 19:45
Operator : MJB
Sample   : 0L21060-CALA
Misc   : A20L364, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:23:16 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Small noise peaks clipped

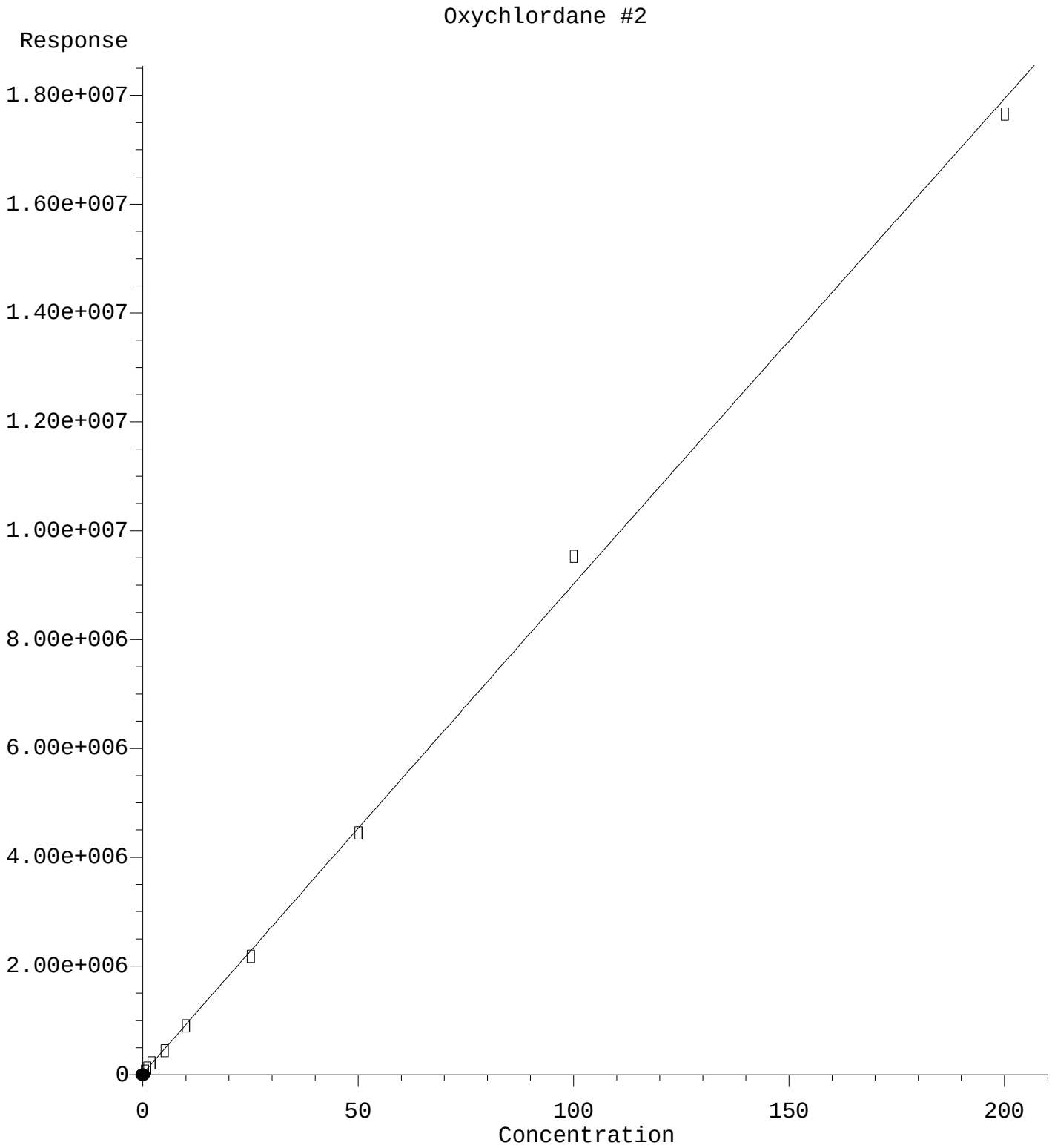


(25) Oxychlordane
7.395min -0.216 ng/mL m
response 2018

MJB 12/22/20

(25) Oxychlordane #2
7.790min 0.468 ng/mL
response 66283

(+) = Expected Retention Time
ECD3_QUANTPEST_201221.M Tue Dec 22 18:18:35 2020 Page: 1

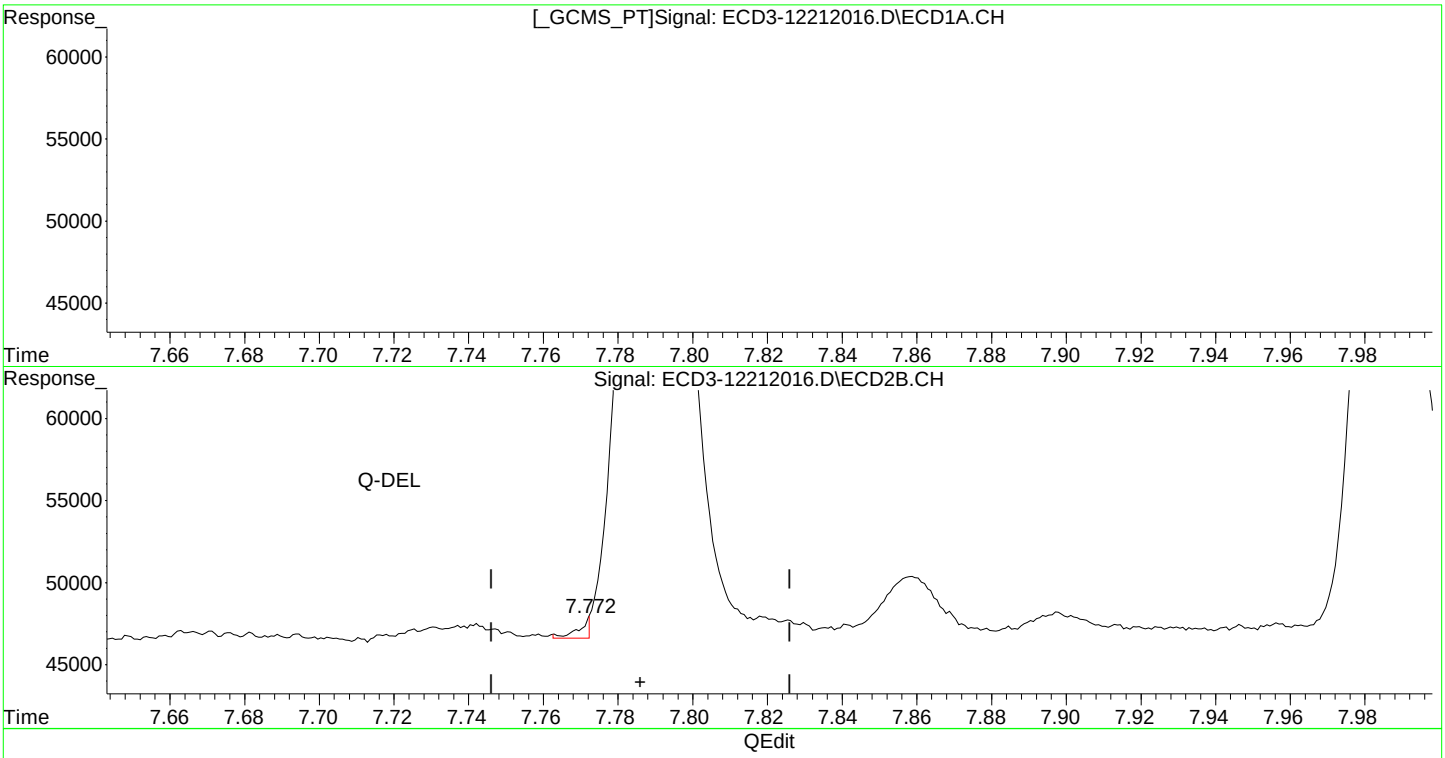


R = -3.69e+000 A*A + 9.03e+004 A + 2.40e+004
Coef of Det (r^2) = 0.995 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Calibration Table Last Updated: Tue Dec 22 16:15:52 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212016.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 19:45
Operator : MJB
Sample : 0L21060-CALA
Misc : A20L364, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:23:16 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

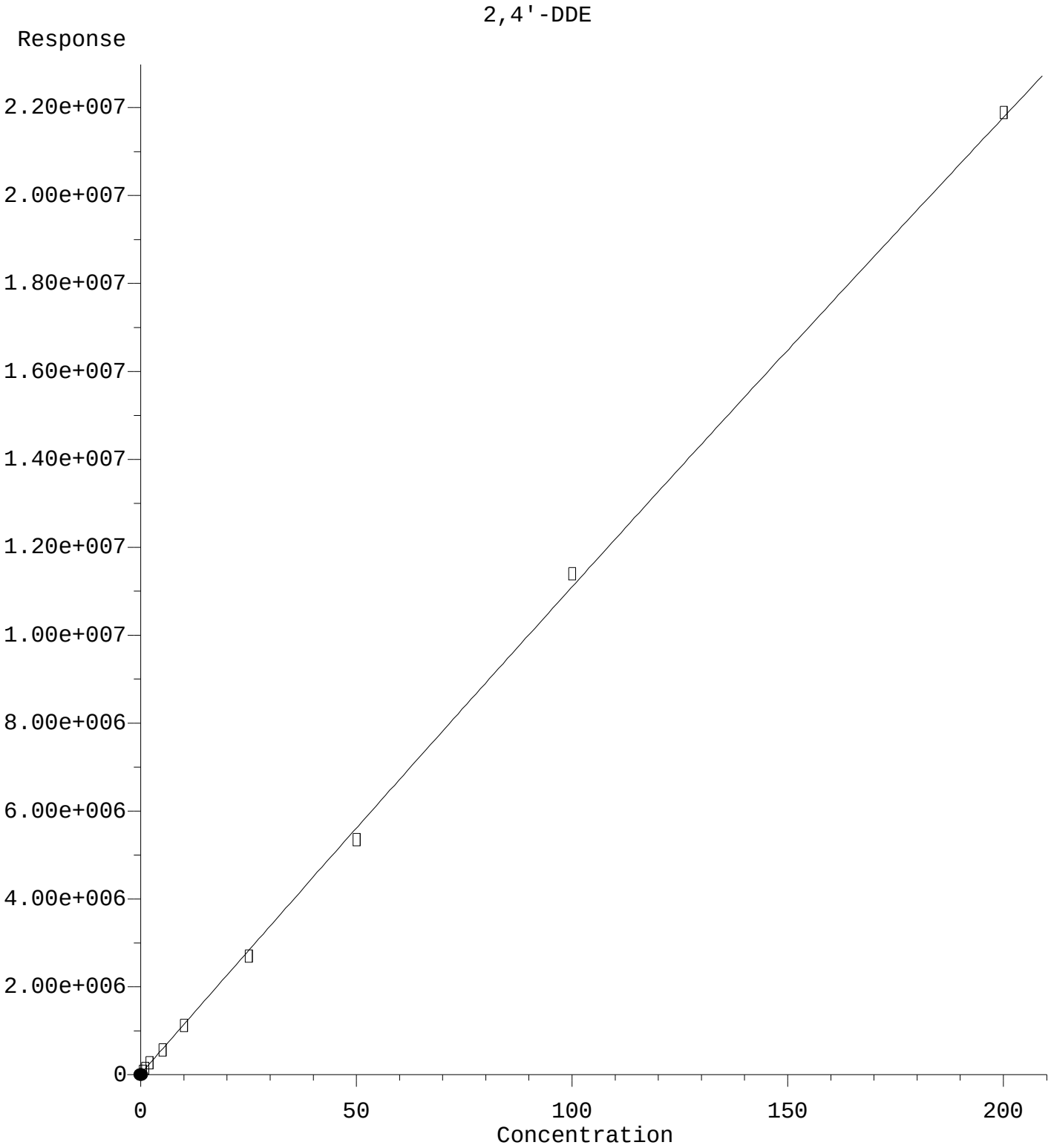


(25) Oxychlordane
7.395min -0.216 ng/mL m
response 2018

MJB 12/22/20

(25) Oxychlordane #2
~~7.772min~~ ~~24475.503 ng/mL m~~
response ~~1225~~

(+) = Expected Retention Time

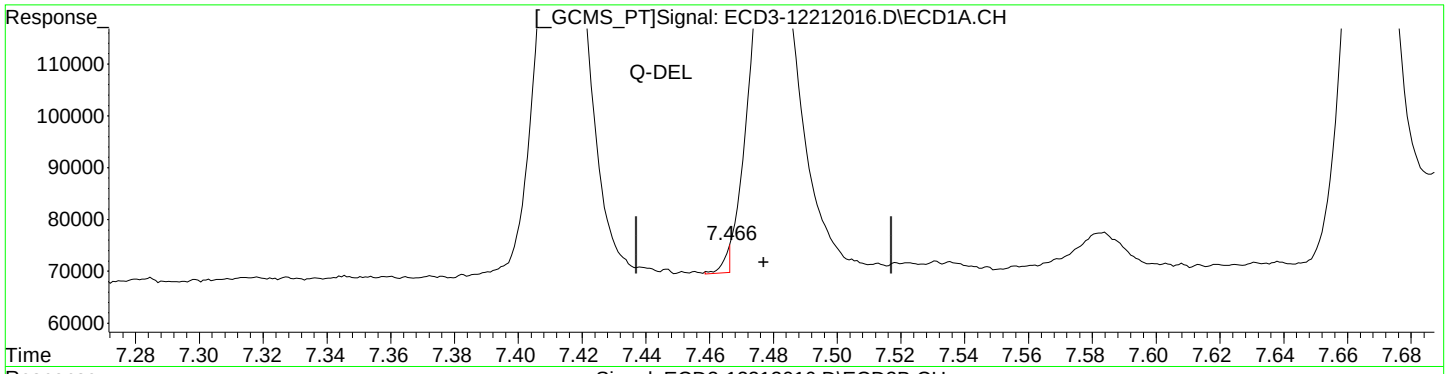


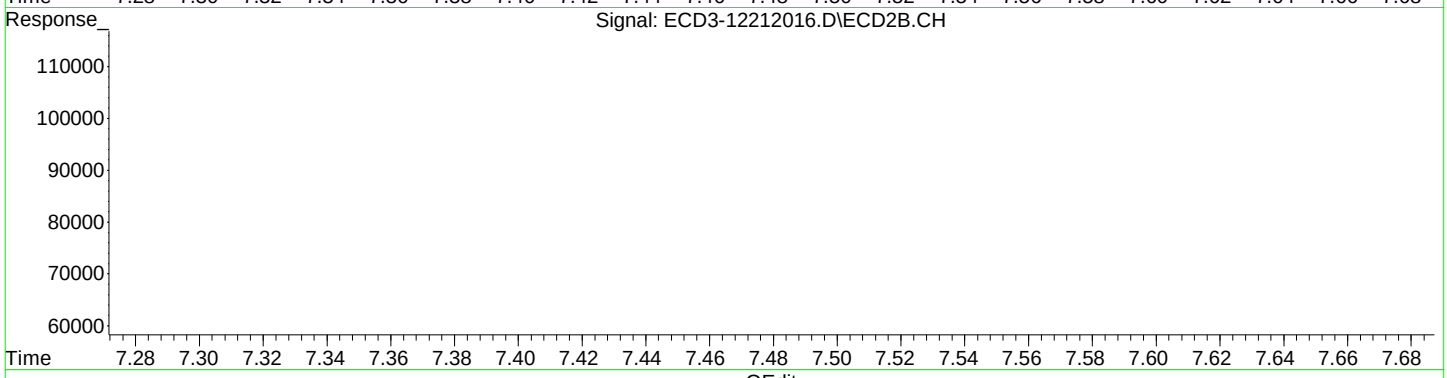
R = -1.94e+001 A*A + 1.13e+005 A + 2.40e+004
Coef of Det (r^2) = 0.995 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Calibration Table Last Updated: Tue Dec 22 16:15:52 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212016.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 19:45
Operator : MJB
Sample : 0L21060-CALA
Misc : A20L364, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:23:16 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





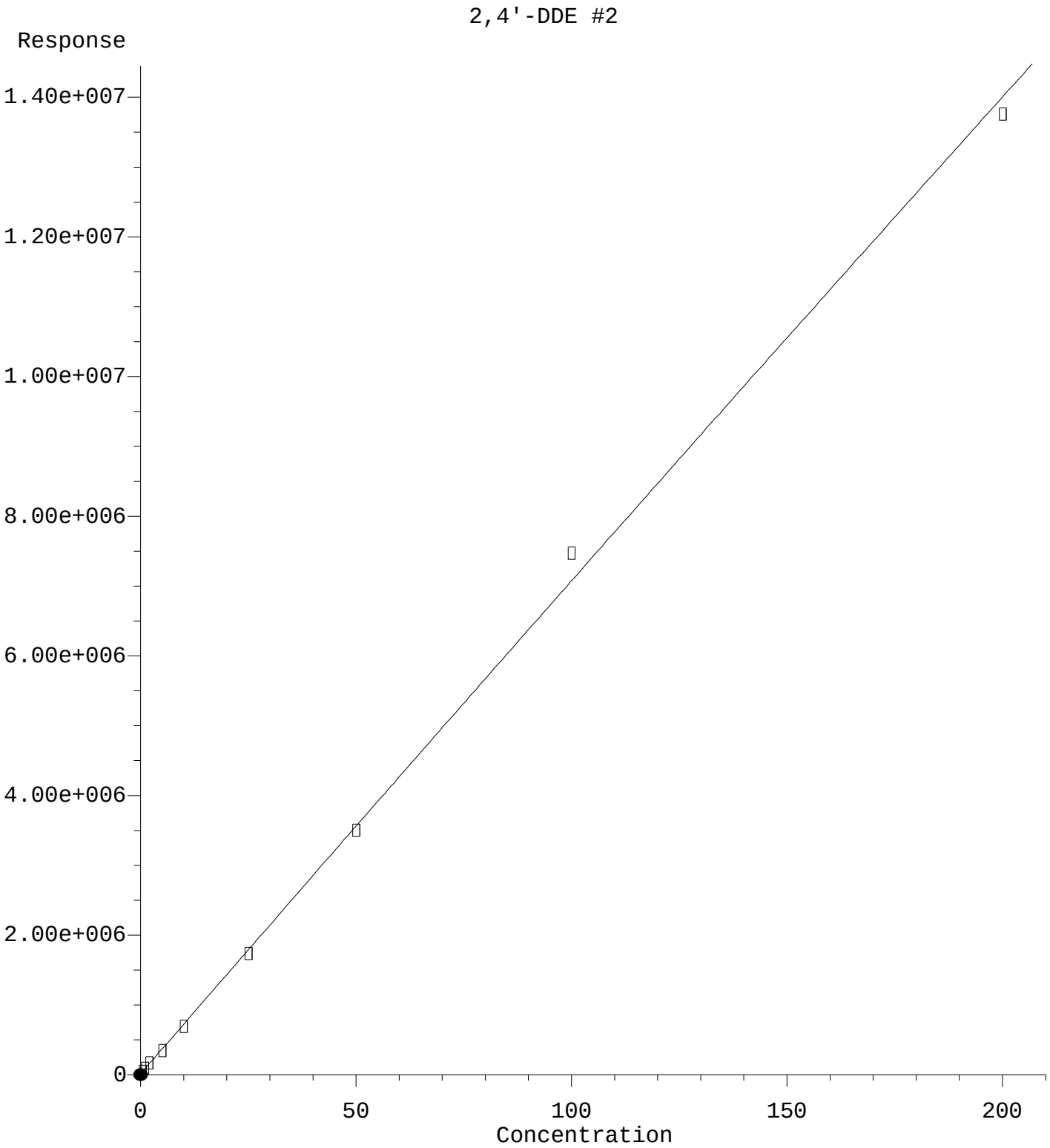
QEdit

(26) 2,4'-DDE
~~7.466min 5794.827 ng/mL m~~
response ~~5234~~

MJB 12/22/20

(26) 2,4'-DDE #2
7.986min 0.473 ng/mL
response 49930

(+) = Expected Retention Time

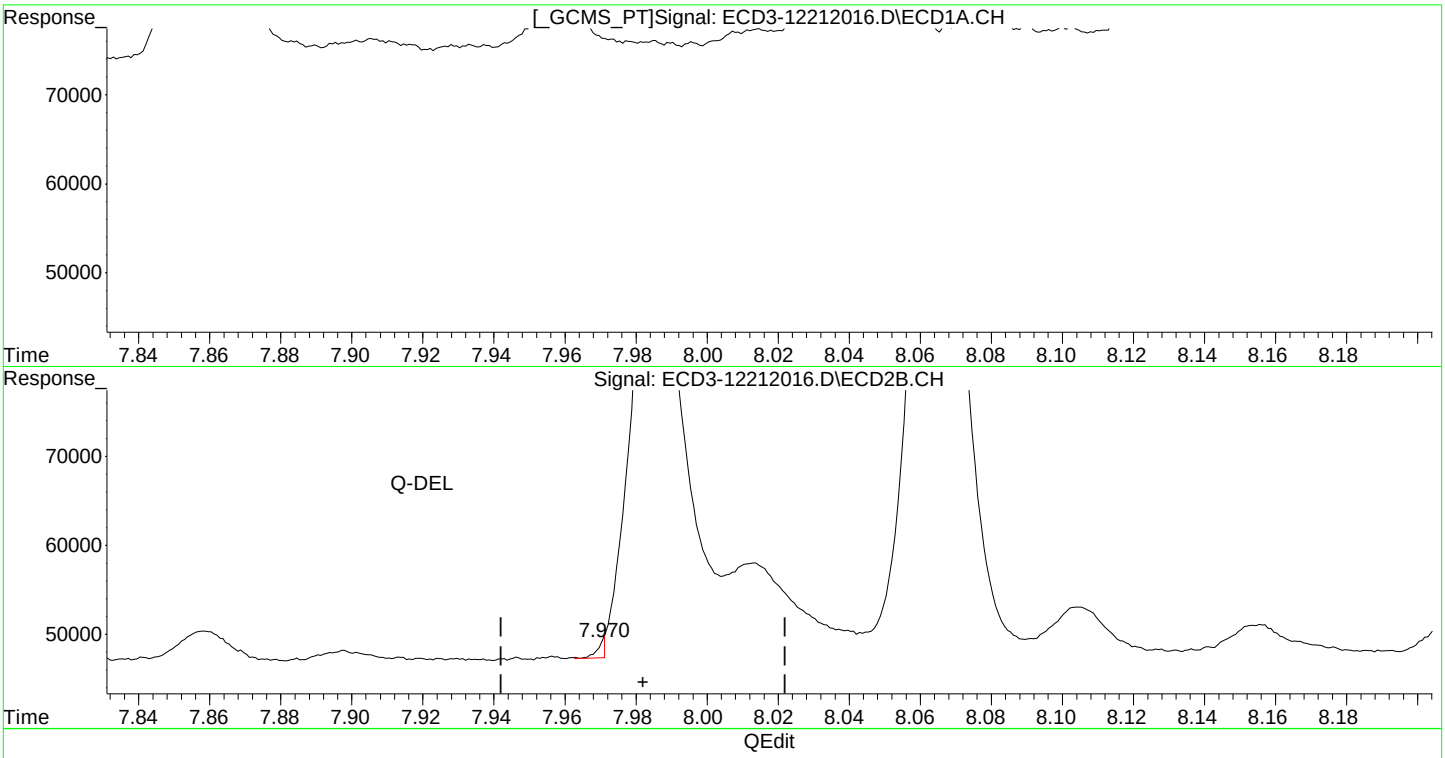


R = -6.32e+000 A*A + 7.12e+004 A + 1.63e+004
Coef of Det (r^2) = 0.996 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Calibration Table Last Updated: Tue Dec 22 16:15:52 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212016.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 21 Dec 2020 19:45
Operator : MJB
Sample   : 0L21060-CALA
Misc   : A20L364, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:23:16 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Small noise peaks clipped

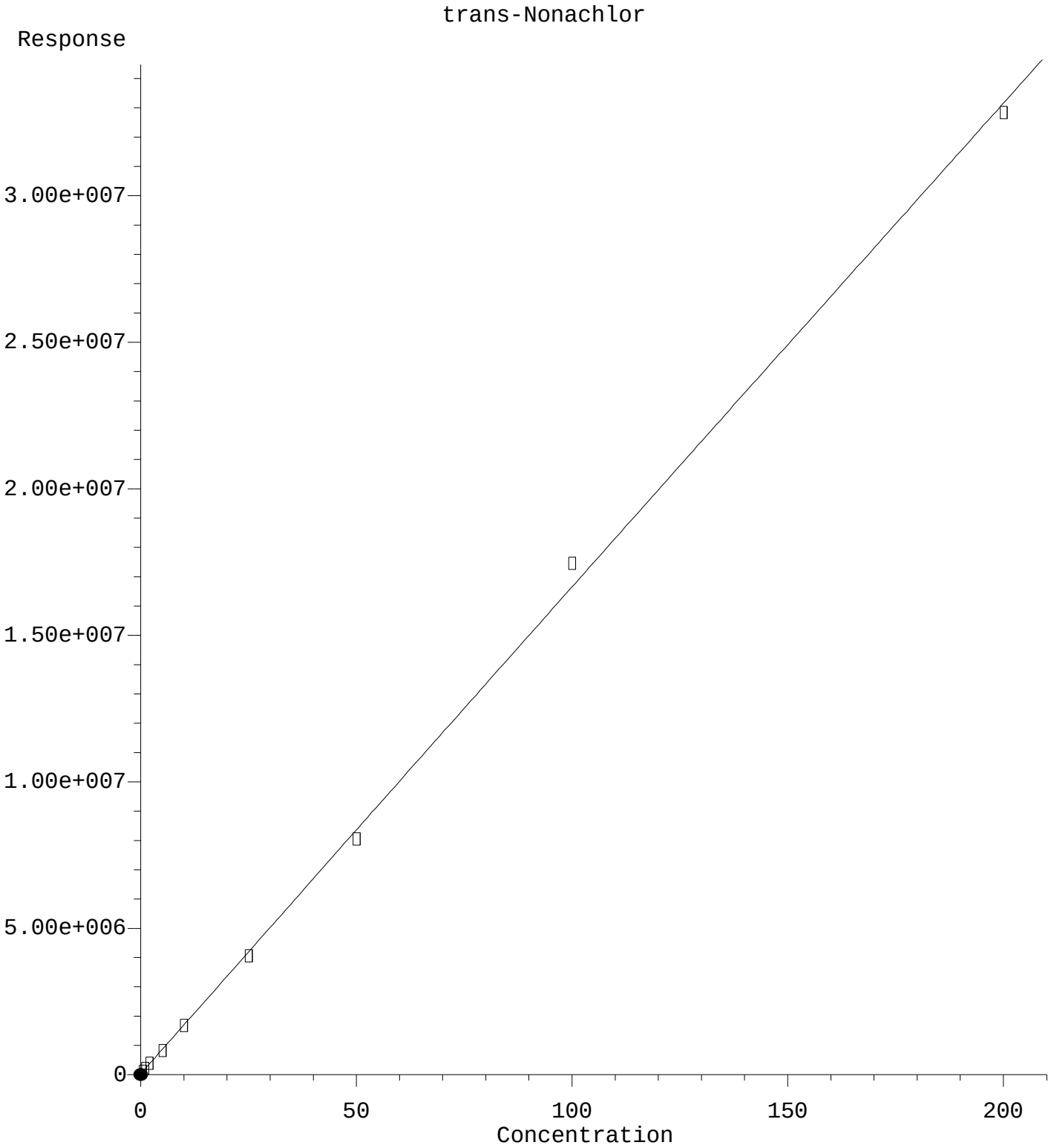


(26) 2,4'-DDE
7.466min 5794.827 ng/mL m
response 5234

MJB 12/22/20

(26) 2,4'-DDE #2
~~7.970min~~ ~~11271.882 ng/mL m~~
response ~~1795~~

(+) = Expected Retention Time
ECD3_QUANTPEST_201221.M Tue Dec 22 18:19:19 2020 Page: 1

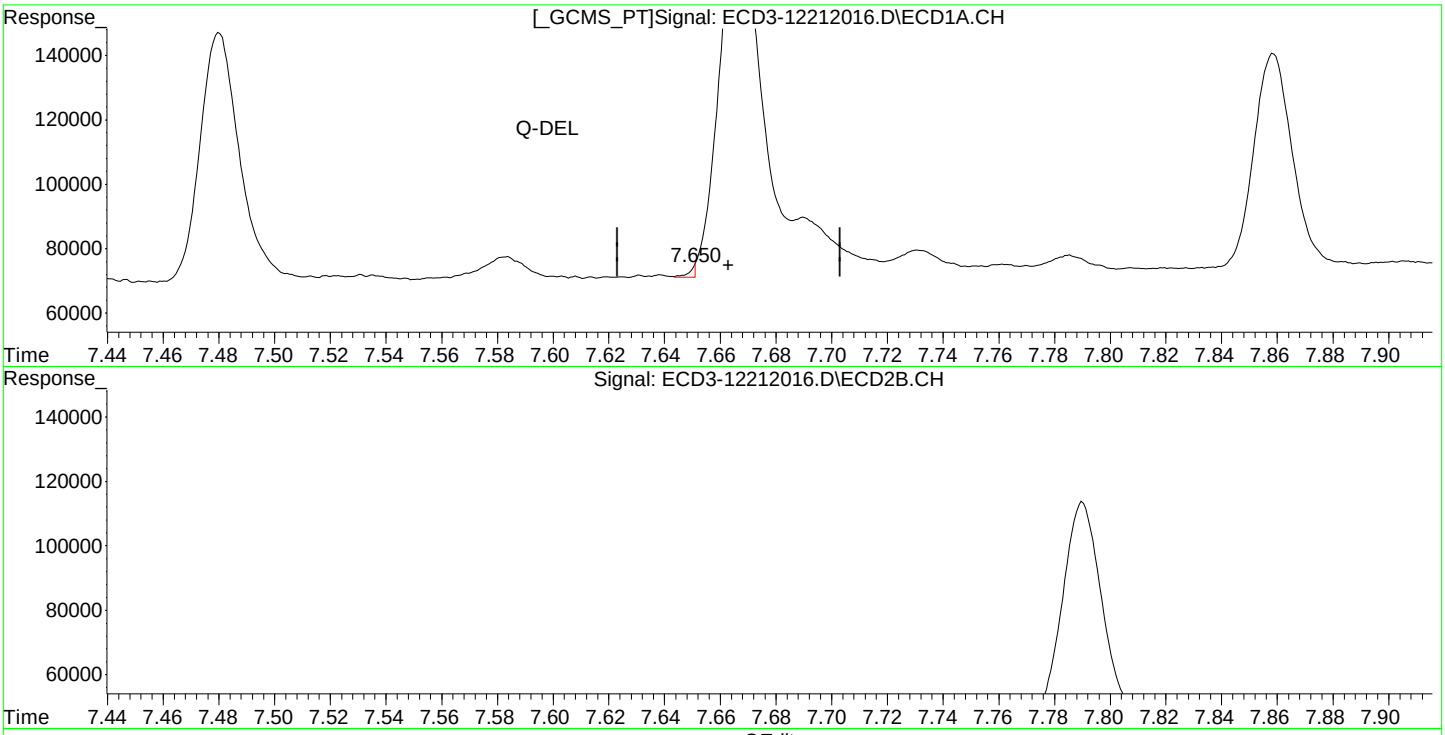


R = -4.87e+000 A*A + 1.67e+005 A + 3.59e+004
Coef of Det (r^2) = 0.997 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Calibration Table Last Updated: Tue Dec 22 16:15:52 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212016.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 19:45
Operator : MJB
Sample : 0L21060-CALA
Misc : A20L364, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:23:16 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

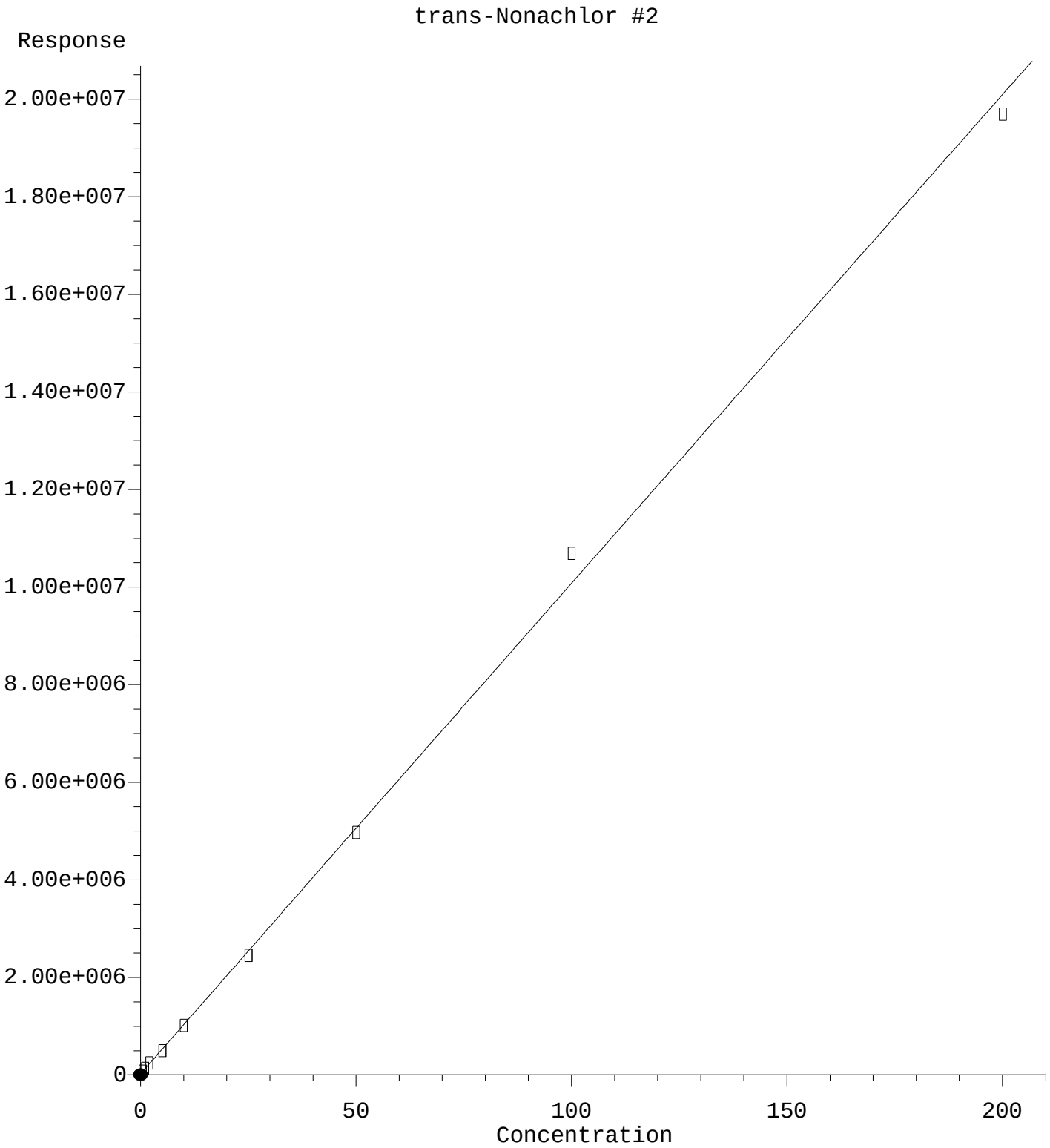


(27) trans-Nonachlor
~~7.650min 34192.597 ng/mL m~~
response ~~3179~~

MJB 12/22/20

(27) trans-Nonachlor #2
8.065min 0.477 ng/mL
response 73522

(+) = Expected Retention Time

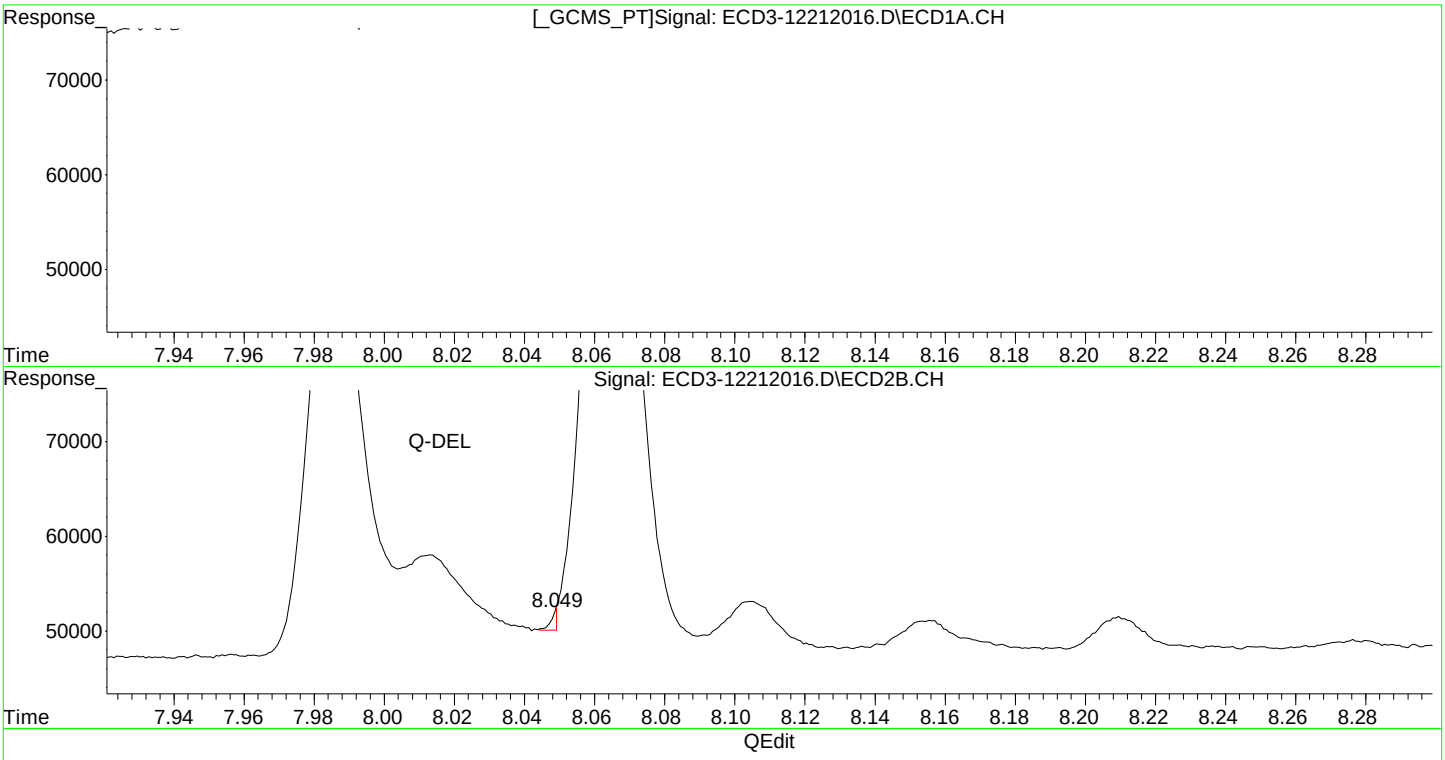


R = -1.35e+000 A*A + 1.01e+005 A + 2.55e+004
Coef of Det (r^2) = 0.996 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Calibration Table Last Updated: Tue Dec 22 16:15:52 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212016.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 21 Dec 2020 19:45
Operator : MJB
Sample   : 0L21060-CALA
Misc   : A20L364, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:23:16 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Small noise peaks clipped

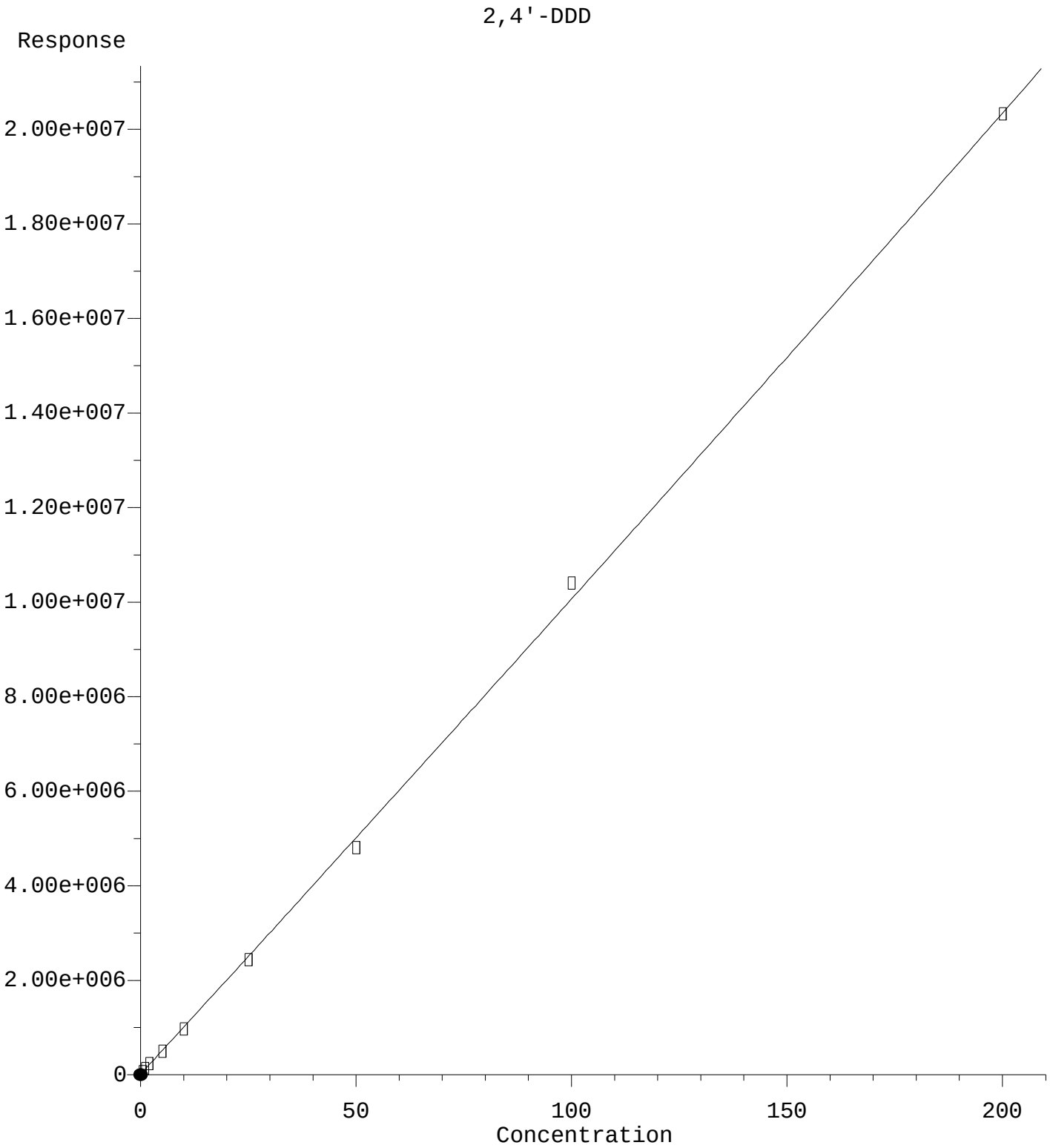


(27) trans-Nonachlor
7.650min 34192.597 ng/mL m
response 3178

MJB 12/22/20

(27) trans-Nonachlor #2
~~8.049min~~ ~~74602.294 ng/mL m~~
response ~~1946~~

(+) = Expected Retention Time

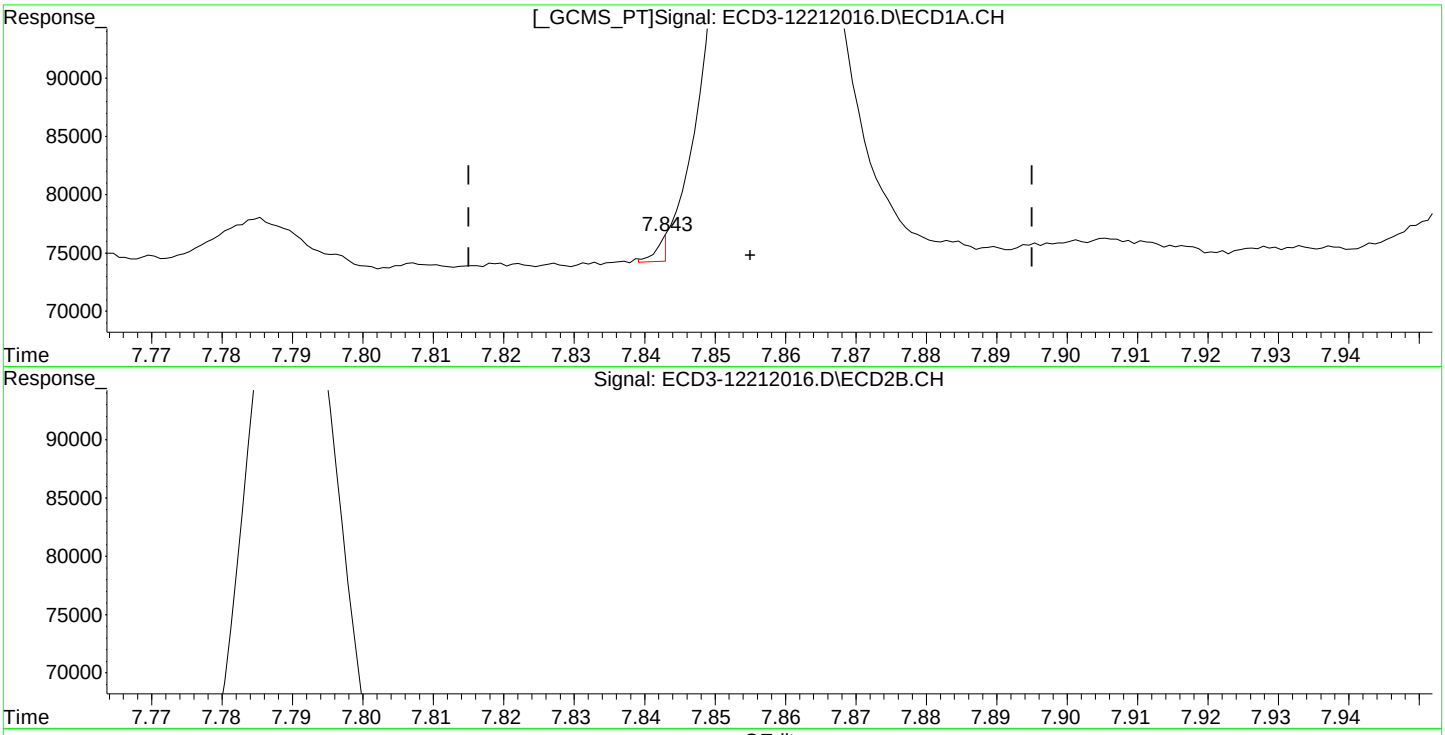


R = 1.18e+001 A*A + 9.93e+004 A + 1.94e+004
Coef of Det (r^2) = 0.995 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Calibration Table Last Updated: Tue Dec 22 16:15:52 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212016.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 21 Dec 2020 19:45
Operator : MJB
Sample   : 0L21060-CALA
Misc   : A20L364, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:23:16 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Small noise peaks clipped



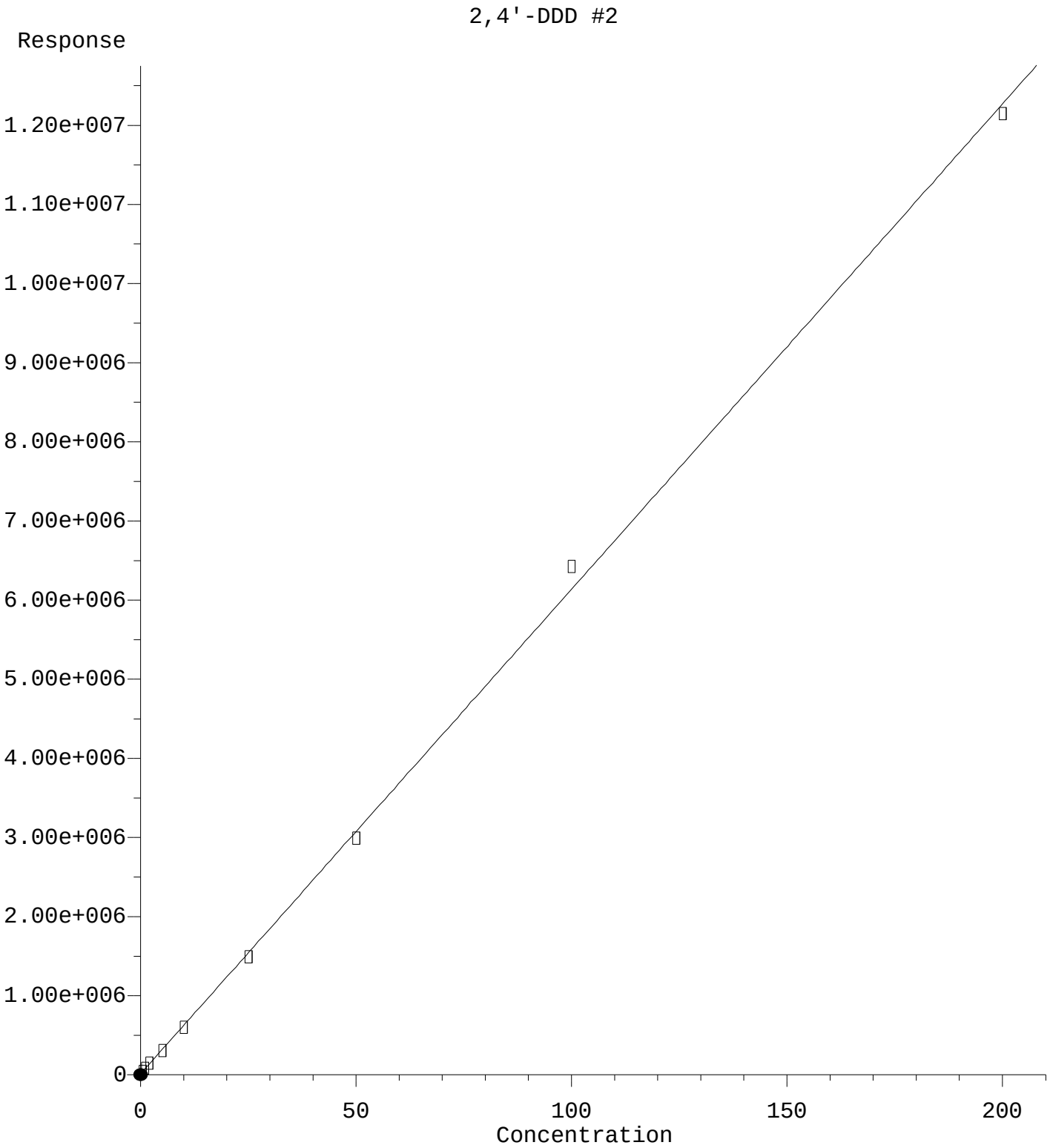
QEdit

(28) 2,4'-DDD
7.843min -0.174 ng/mL m
response 2195

MJB 12/22/20

(28) 2,4'-DDD #2
8.357min 0.468 ng/mL
response 44616

(+) = Expected Retention Time
ECD3_QUANTPEST_201221.M Tue Dec 22 18:20:04 2020 Page: 1

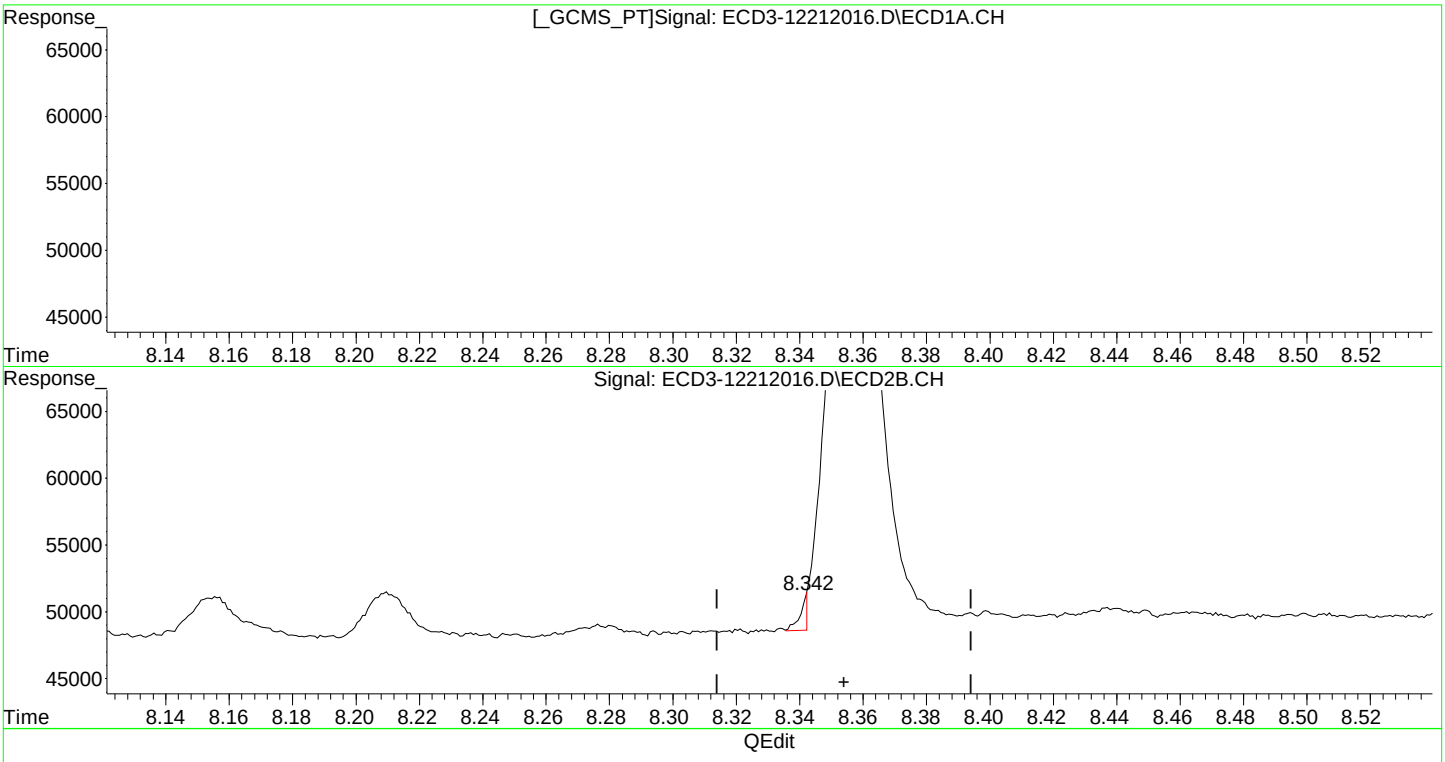


R = 8.39e-001 A*A + 6.11e+004 A + 1.60e+004
Coef of Det (r^2) = 0.995 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Calibration Table Last Updated: Tue Dec 22 16:15:52 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212016.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 21 Dec 2020 19:45
Operator : MJB
Sample   : 0L21060-CALA
Misc   : A20L364, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:23:16 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Small noise peaks clipped

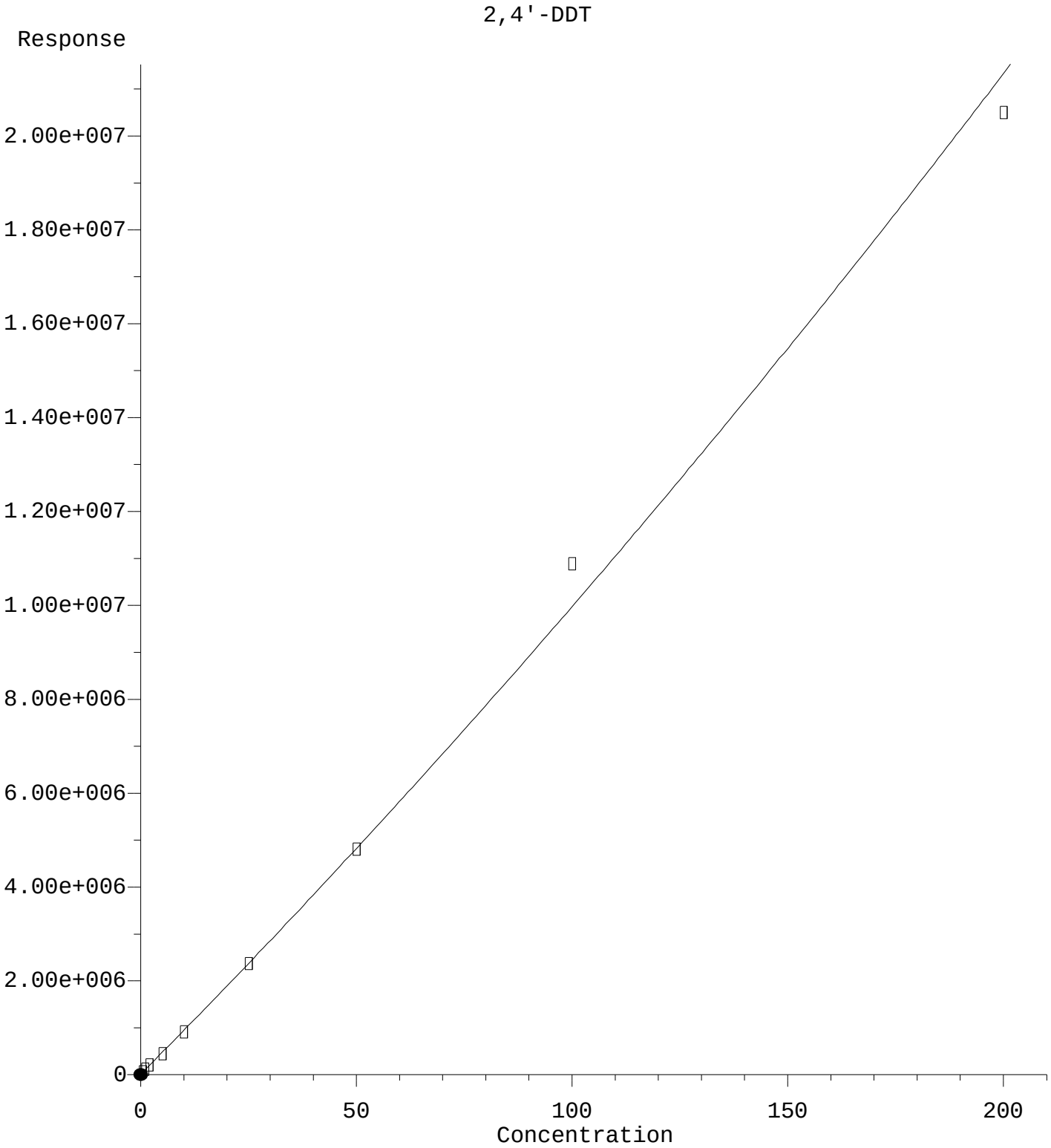


(28) 2,4'-DDD
7.843min -0.174 ng/mL m
response 2195

MJB 12/22/20

(28) 2,4'-DDD #2
8.342min -0.218 ng/mL m
response 2653

(+) = Expected Retention Time
ECD3_QUANTPEST_201221.M Tue Dec 22 18:20:10 2020 Page: 1

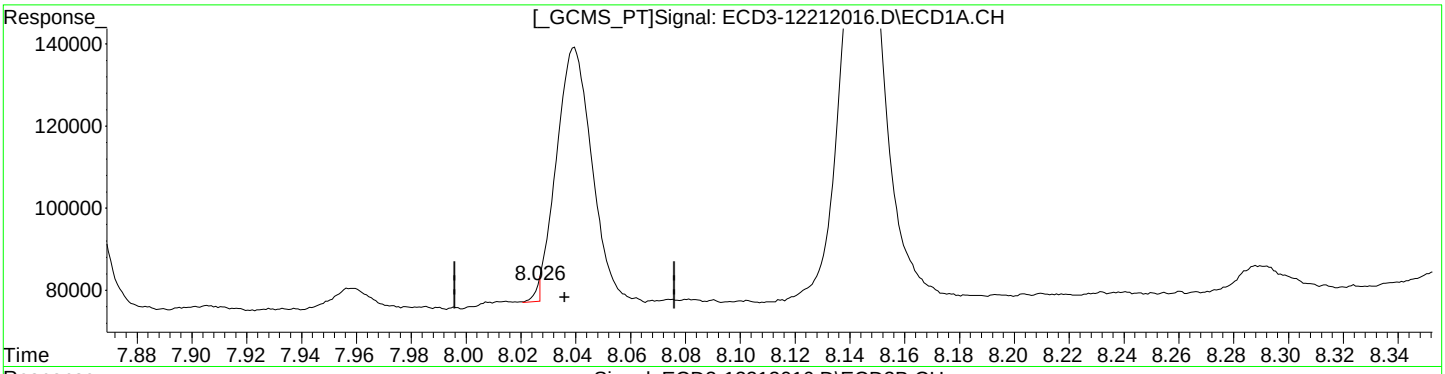


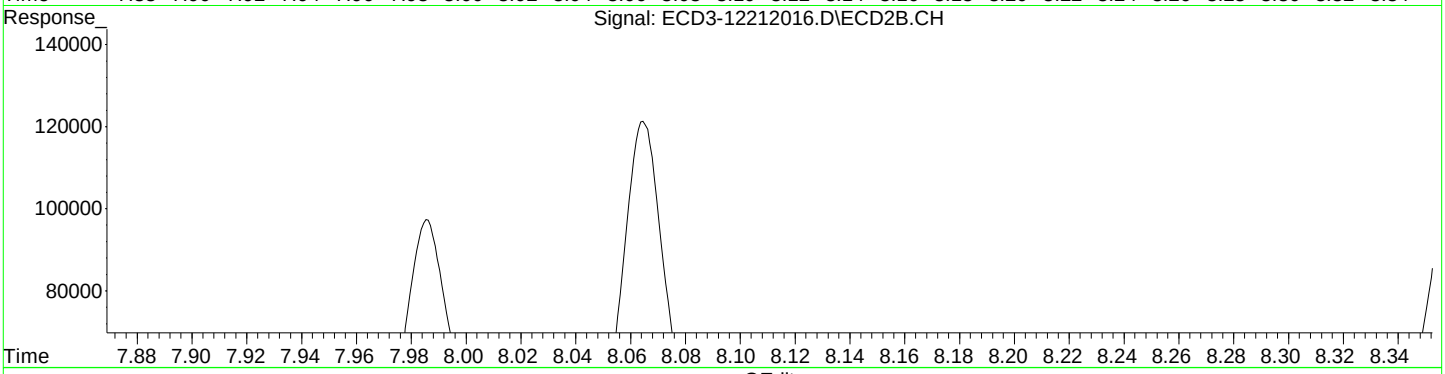
R = 7.04e+001 A*A + 9.25e+004 A + 1.78e+004
Coef of Det (r^2) = 0.997 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Calibration Table Last Updated: Tue Dec 22 16:15:52 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212016.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 21 Dec 2020 19:45
Operator : MJB
Sample   : 0L21060-CALA
Misc   : A20L364, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:23:16 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Small noise peaks clipped





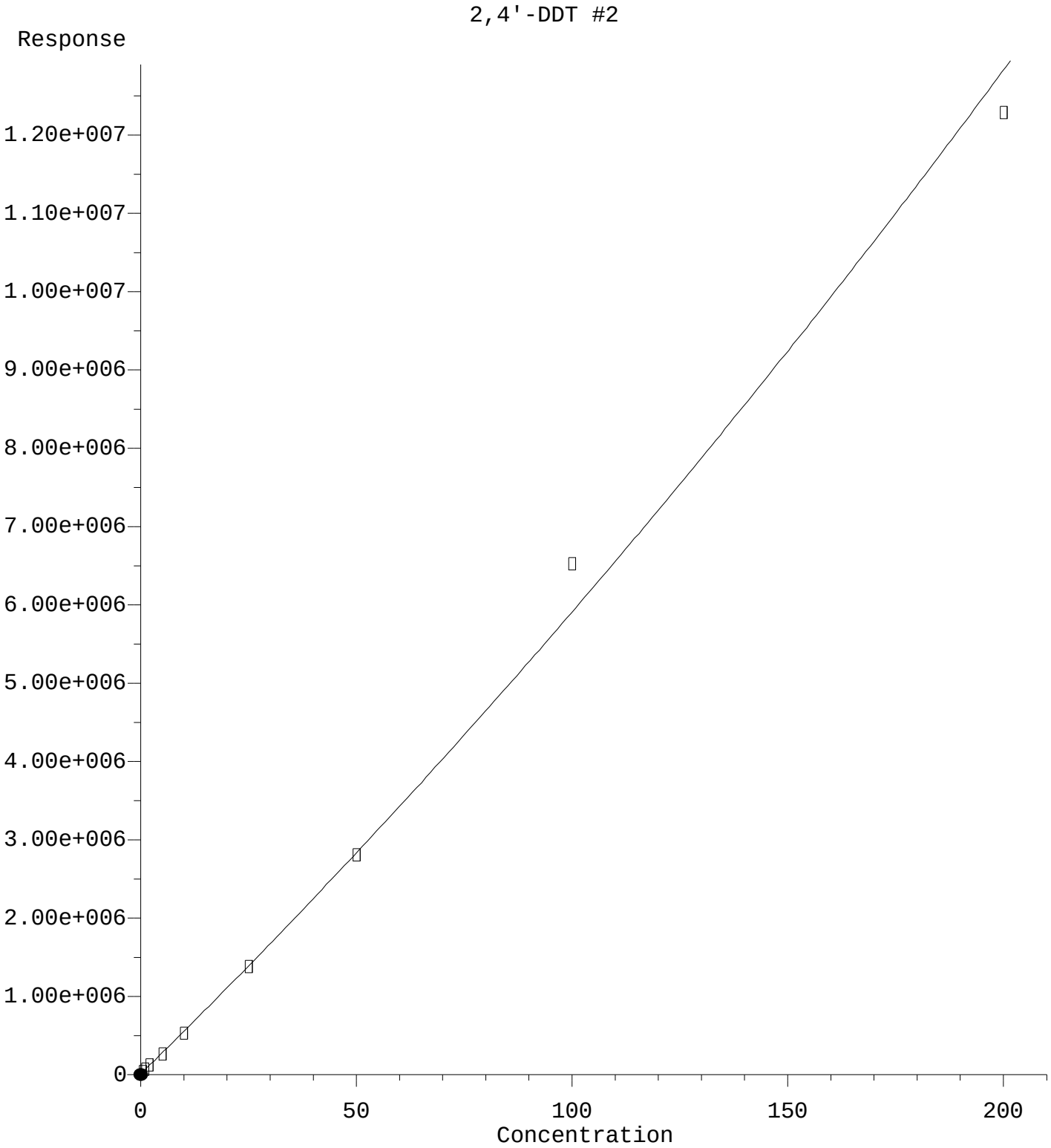
QEdit

(29) 2,4'-DDT
8.026min -0.149 ng/mL m
response 3995

MJB 12/22/20

(29) 2,4'-DDT #2
8.578min 0.486 ng/mL
response 39652

(+) = Expected Retention Time

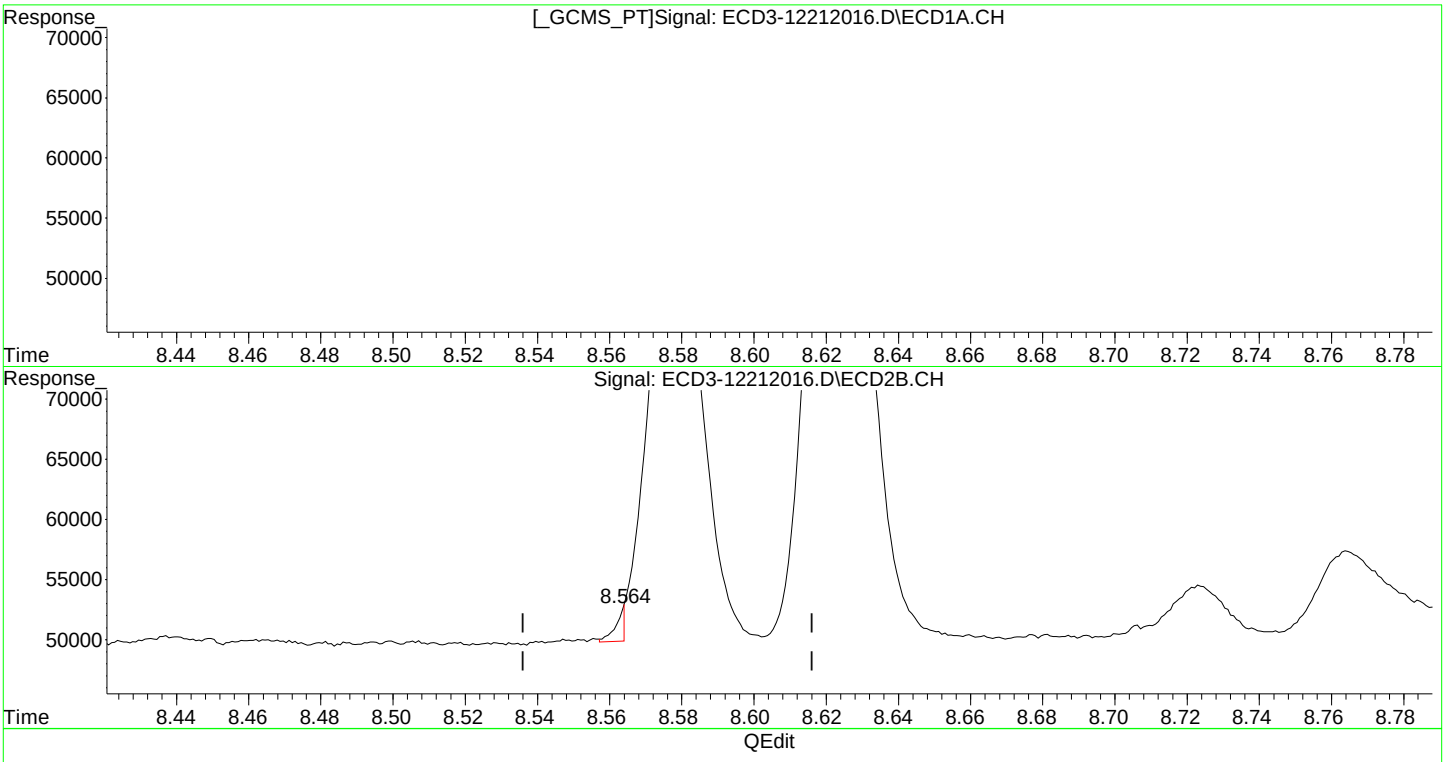


R = 5.14e+001 A*A + 5.38e+004 A + 1.35e+004
Coef of Det (r^2) = 0.996 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Calibration Table Last Updated: Tue Dec 22 16:15:52 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212016.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 19:45
Operator : MJB
Sample : 0L21060-CALA
Misc : A20L364, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:23:16 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

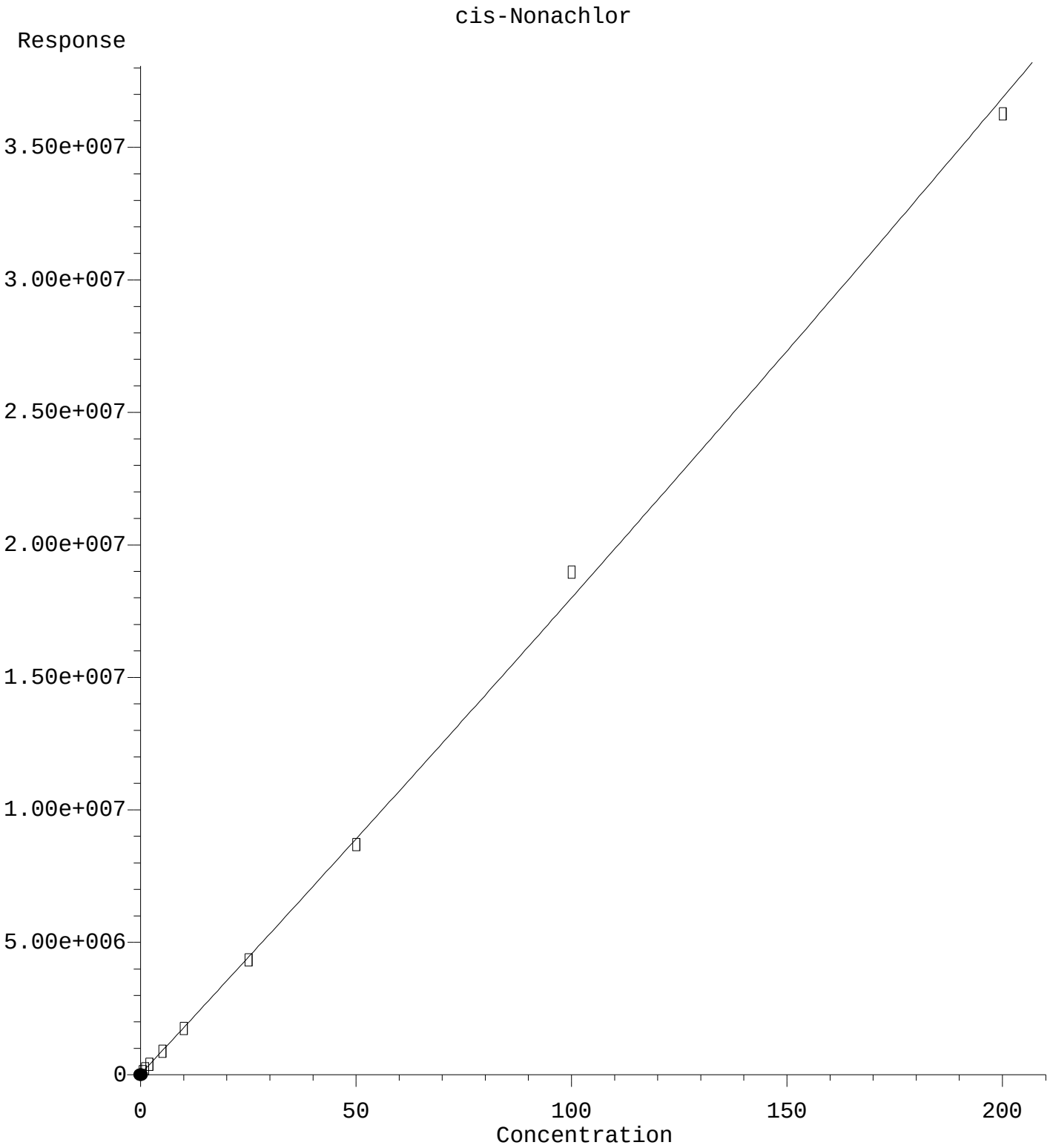


(29) 2,4'-DDT
8.026min -0.149 ng/mL m
response 3995

MJB 12/22/20

(29) 2,4'-DDT #2
8.564min -0.199 ng/mL m
response 2776

(+) = Expected Retention Time
ECD3_QUANTPEST_201221.M Tue Dec 22 18:20:31 2020 Page: 1

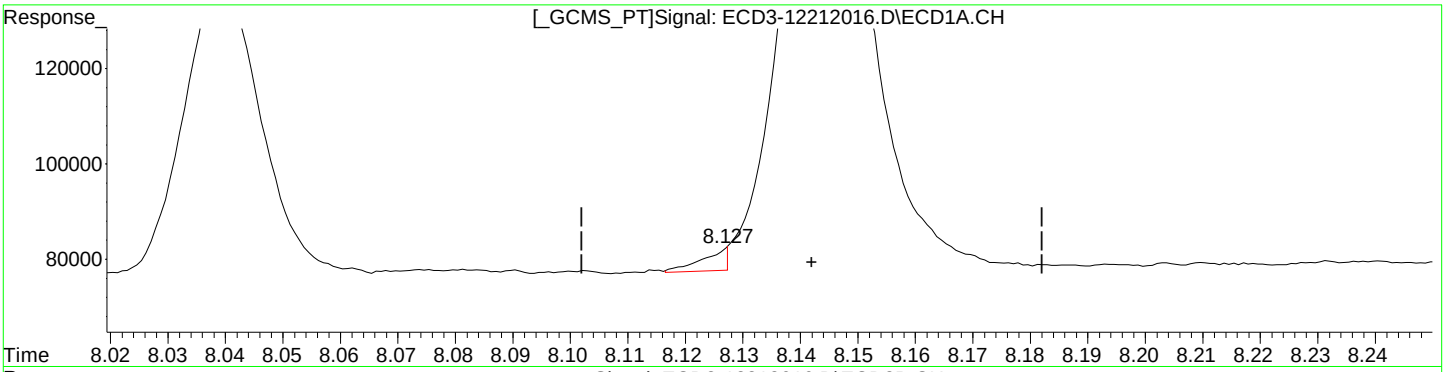


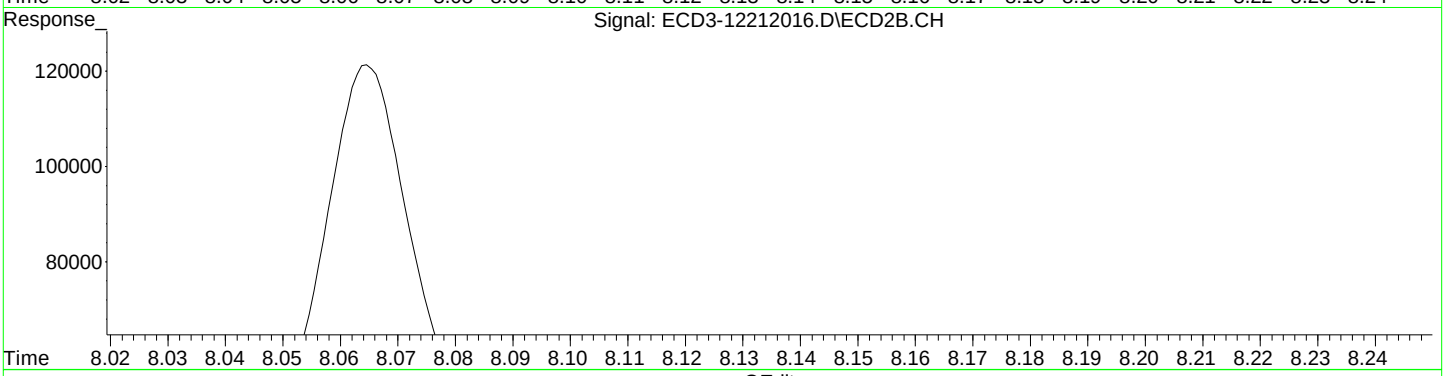
R = 4.59e+001 A*A + 1.75e+005 A + 3.57e+004
Coef of Det (r^2) = 0.998 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Calibration Table Last Updated: Tue Dec 22 16:15:52 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212016.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 19:45
Operator : MJB
Sample : 0L21060-CALA
Misc : A20L364, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:23:16 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





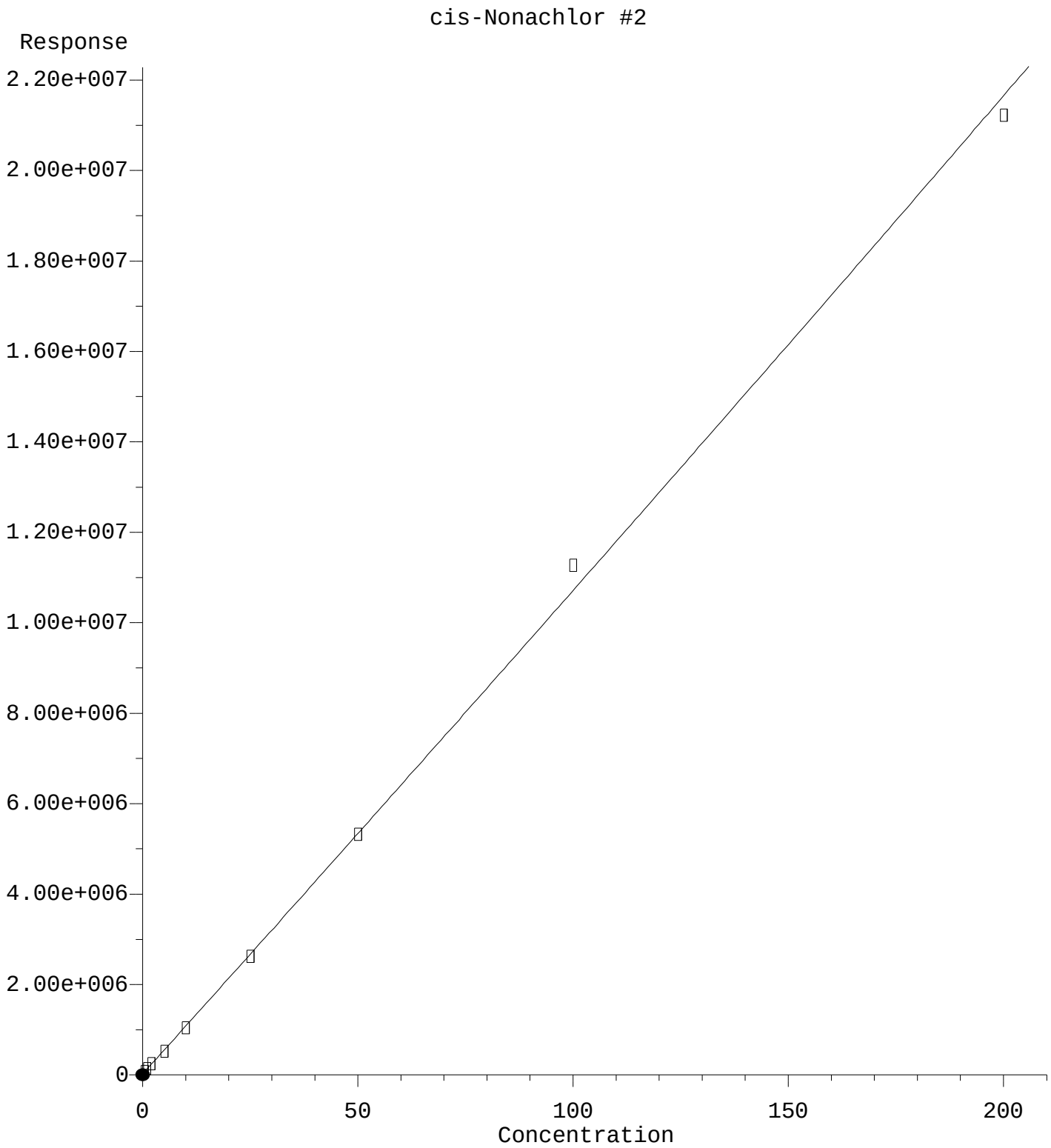
QEdit

(30) cis-Nonachlor
8.127min -0.177 ng/mL m
response 4664

MJB 12/22/20

(30) cis-Nonachlor #2
8.624min 0.476 ng/mL
response 76941

(+) = Expected Retention Time

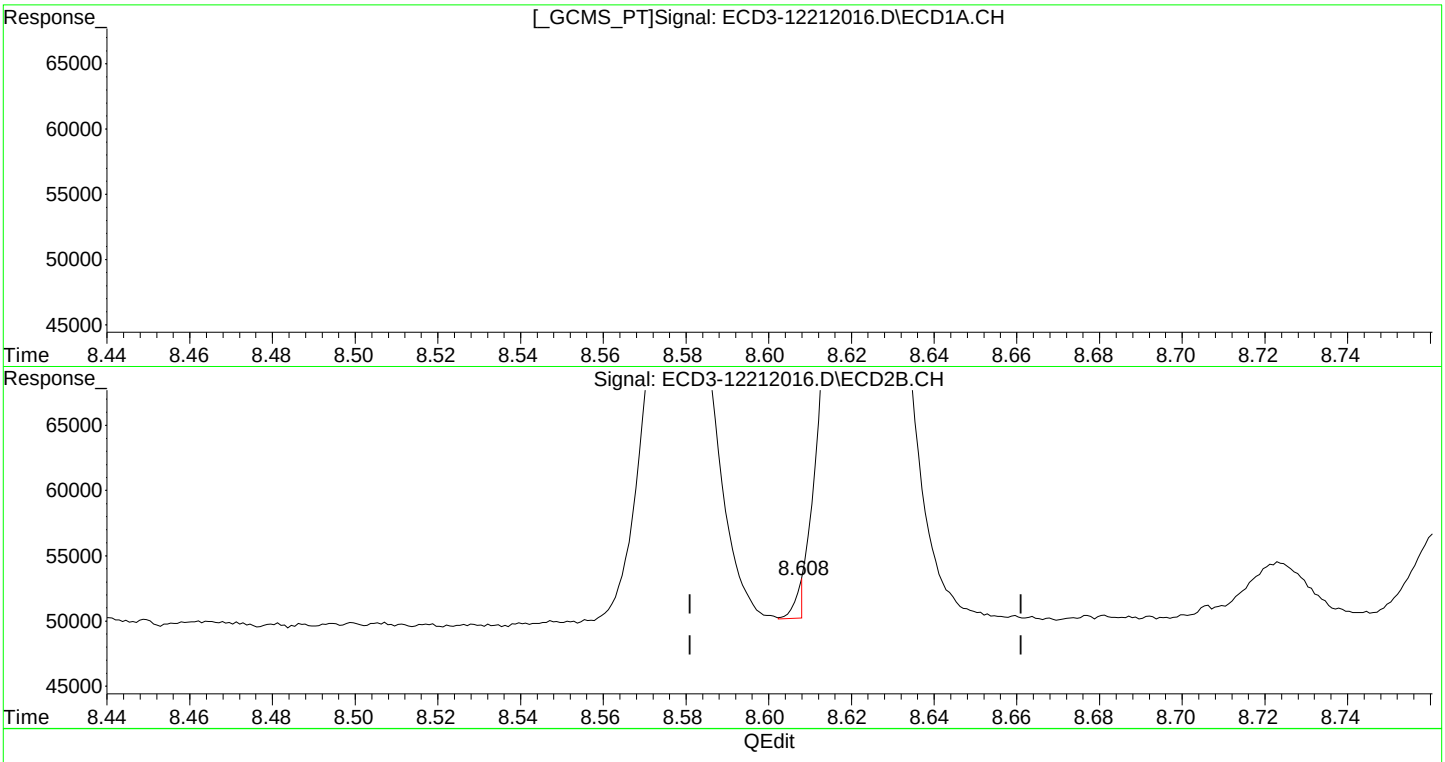


R = 1.31e+001 A*A + 1.06e+005 A + 2.67e+004
Coef of Det (r^2) = 0.997 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Calibration Table Last Updated: Tue Dec 22 16:15:52 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212016.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 21 Dec 2020 19:45
Operator : MJB
Sample   : 0L21060-CALA
Misc   : A20L364, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:23:16 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Small noise peaks clipped

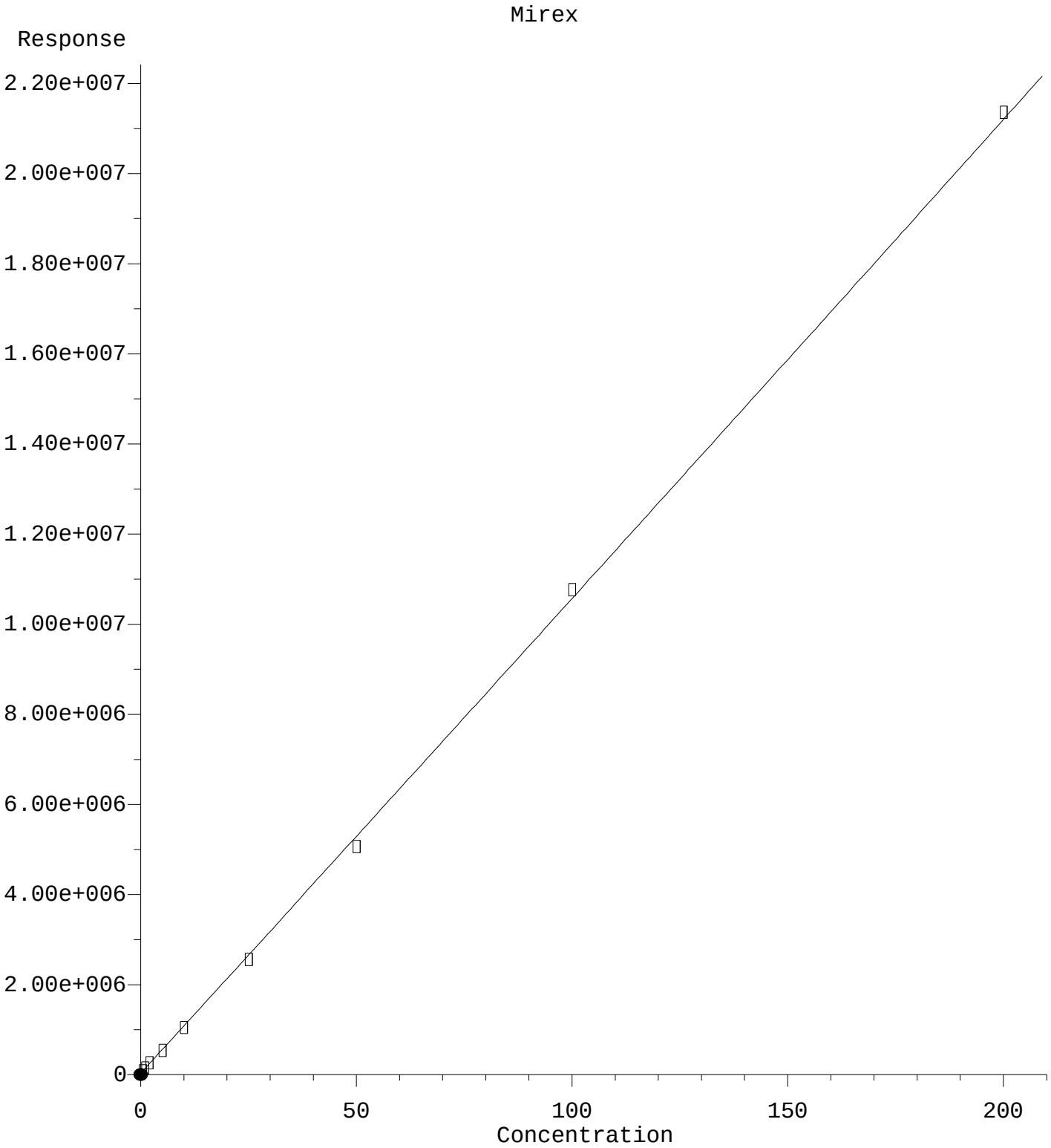


(30) cis-Nonachlor
8.127min -0.177 ng/mL m
response 4664

MJB 12/22/20

(30) cis-Nonachlor #2
8.608min -0.226 ng/mL m
response 2934

(+) = Expected Retention Time

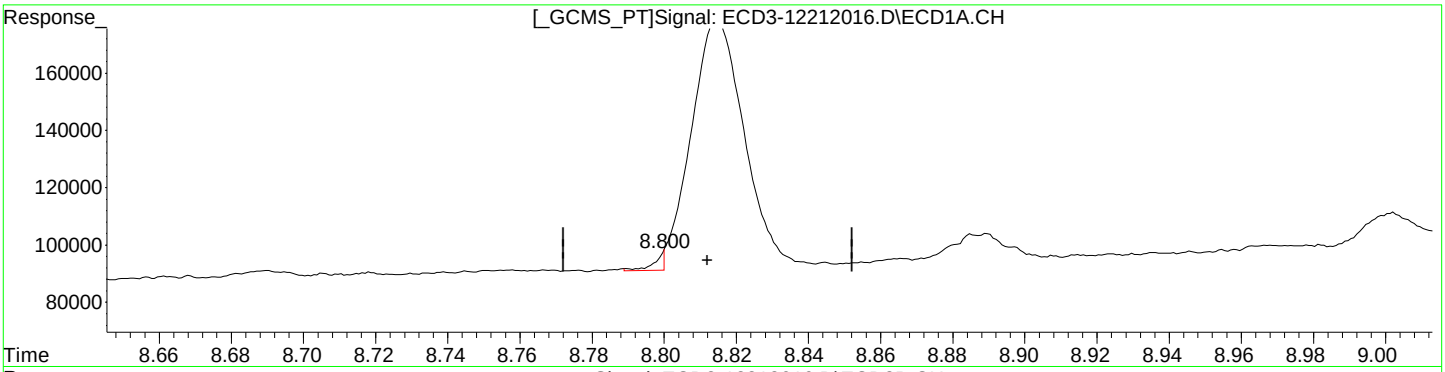


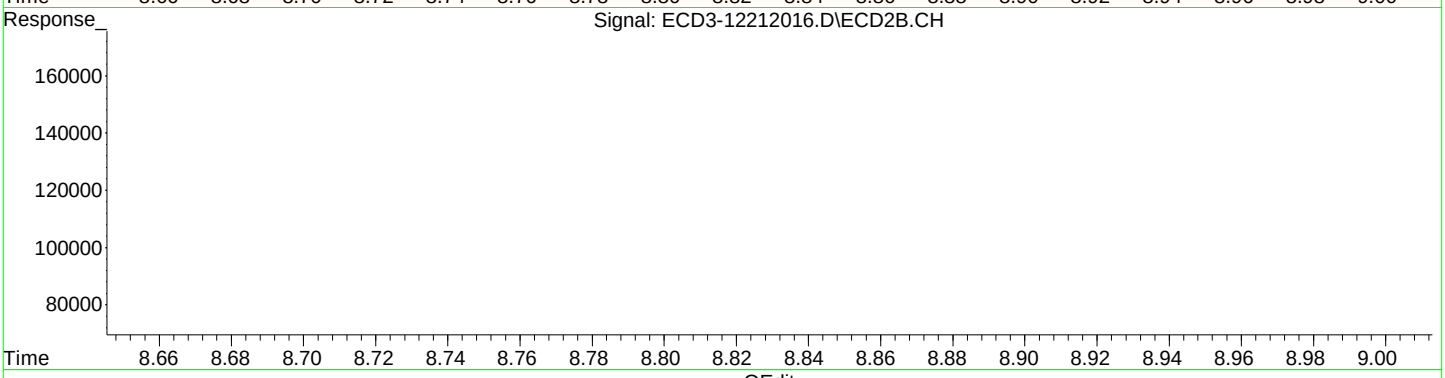
R = 5.33e+000 A*A + 1.05e+005 A + 3.77e+004
Coef of Det (r^2) = 0.995 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Calibration Table Last Updated: Tue Dec 22 16:15:52 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212016.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 21 Dec 2020 19:45
Operator : MJB
Sample   : 0L21060-CALA
Misc   : A20L364, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:23:16 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Small noise peaks clipped





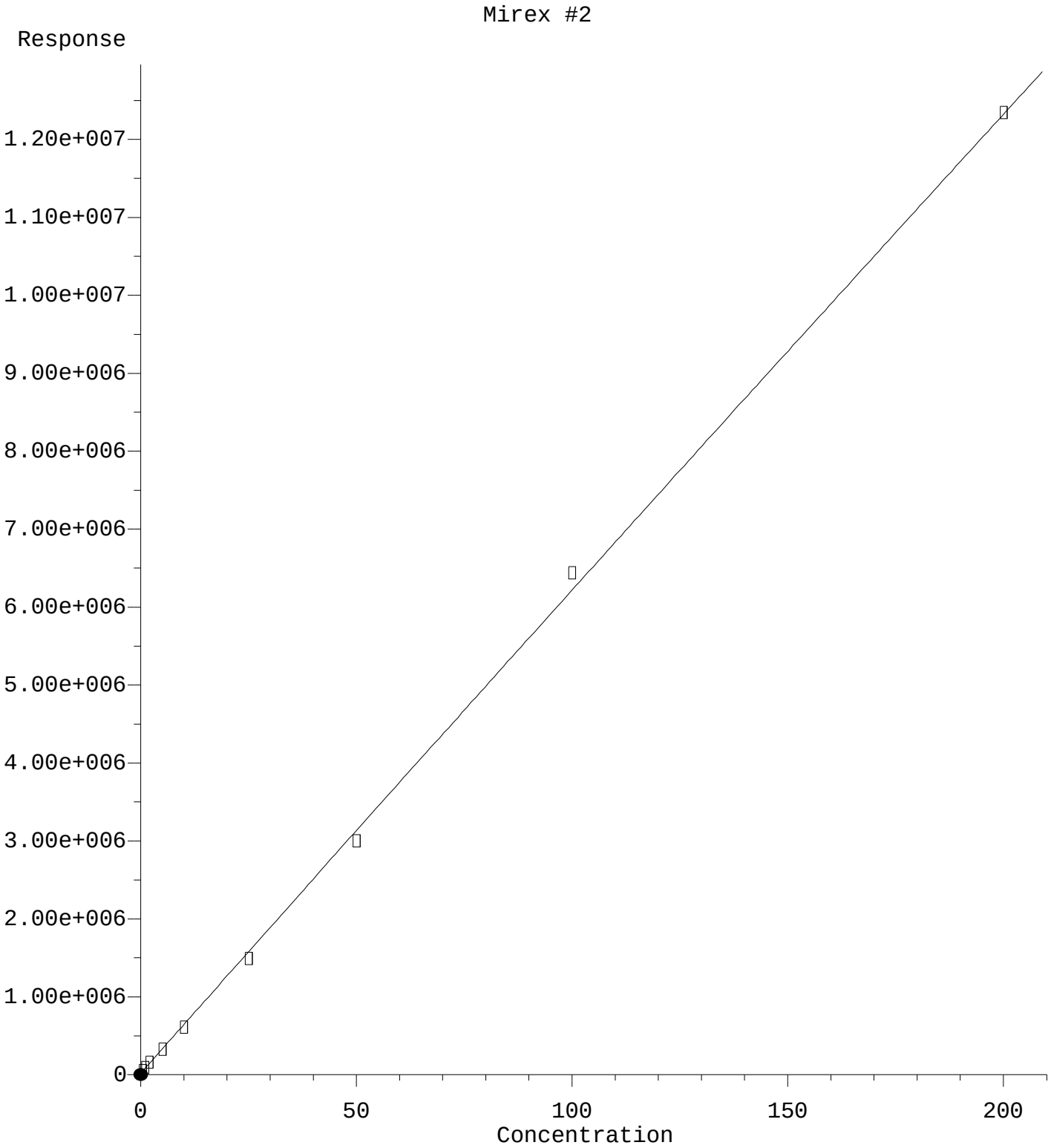
QEdit

(31) Mirex
8.800min -0.301 ng/mL m
response 6112

MJB 12/22/20

(31) Mirex #2
9.530min 0.462 ng/mL
response 51606

(+) = Expected Retention Time

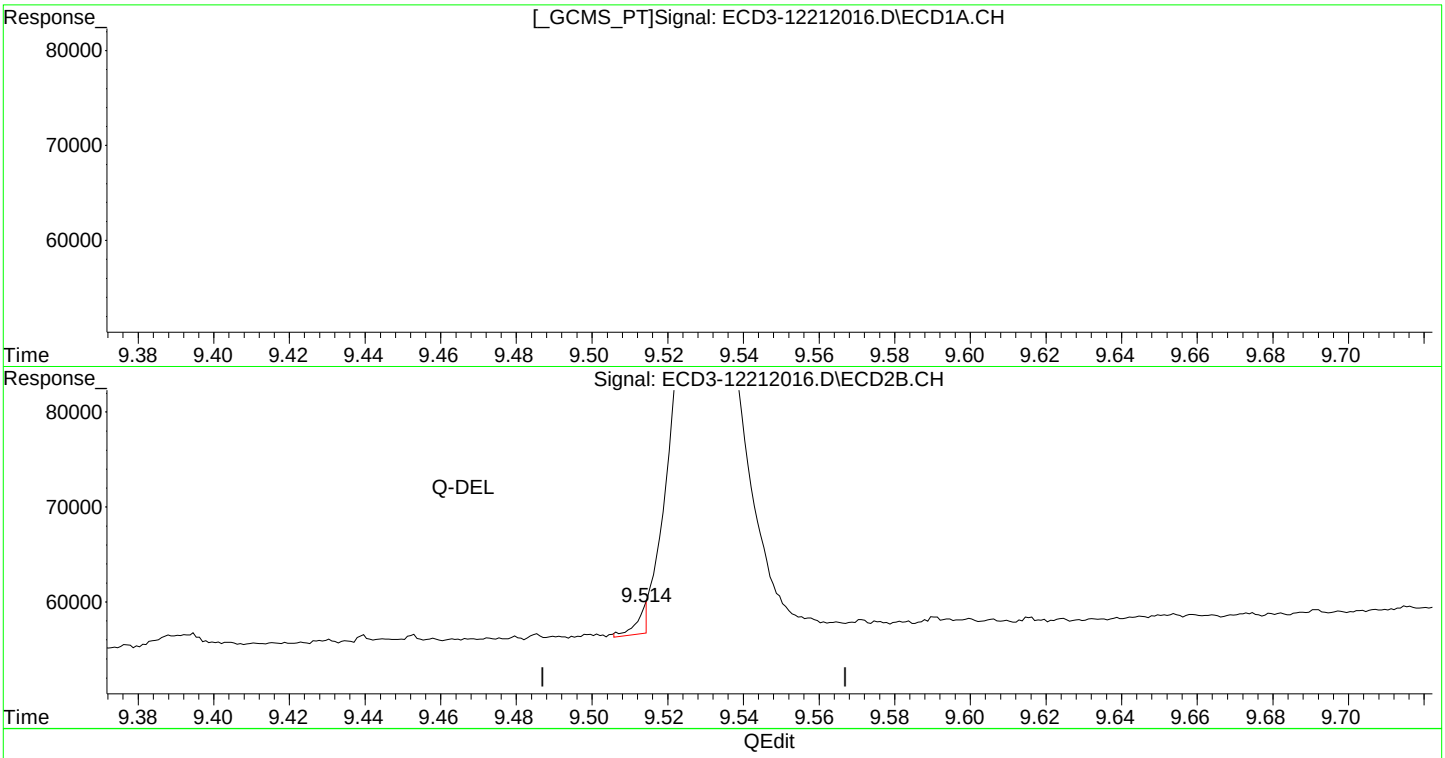


R = -4.34e+000 A*A + 6.24e+004 A + 2.28e+004
Coef of Det (r^2) = 0.994 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Calibration Table Last Updated: Tue Dec 22 16:15:52 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212016.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 19:45
Operator : MJB
Sample : 0L21060-CALA
Misc : A20L364, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:23:16 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



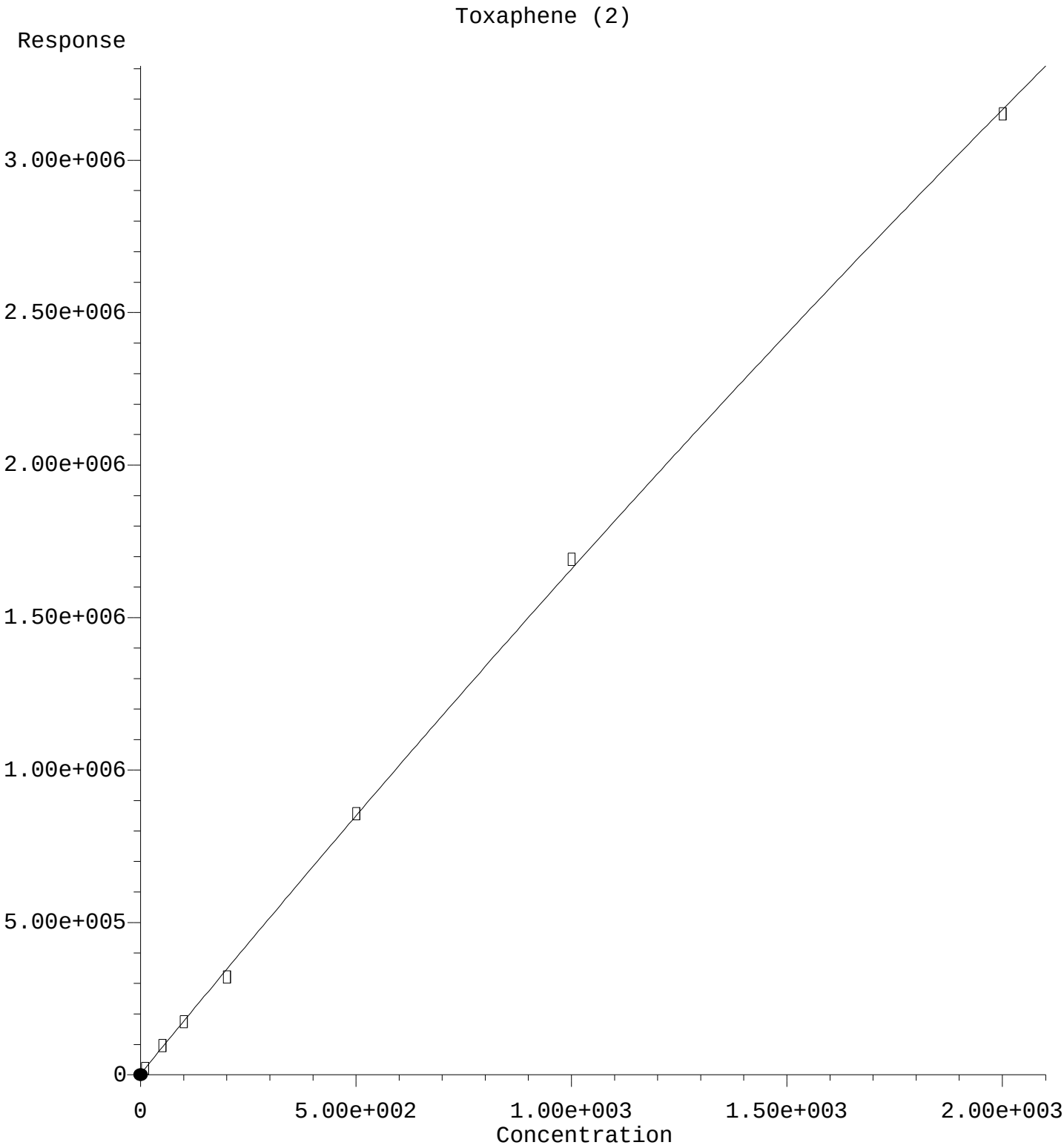
QEdit

(31) Mirex
8.800min -0.301 ng/mL m
response 6112

MJB 12/22/20

(31) Mirex #2
~~9.514min~~ ~~14372.042 ng/mL m~~
response ~~2768~~

(+) = Expected Retention Time

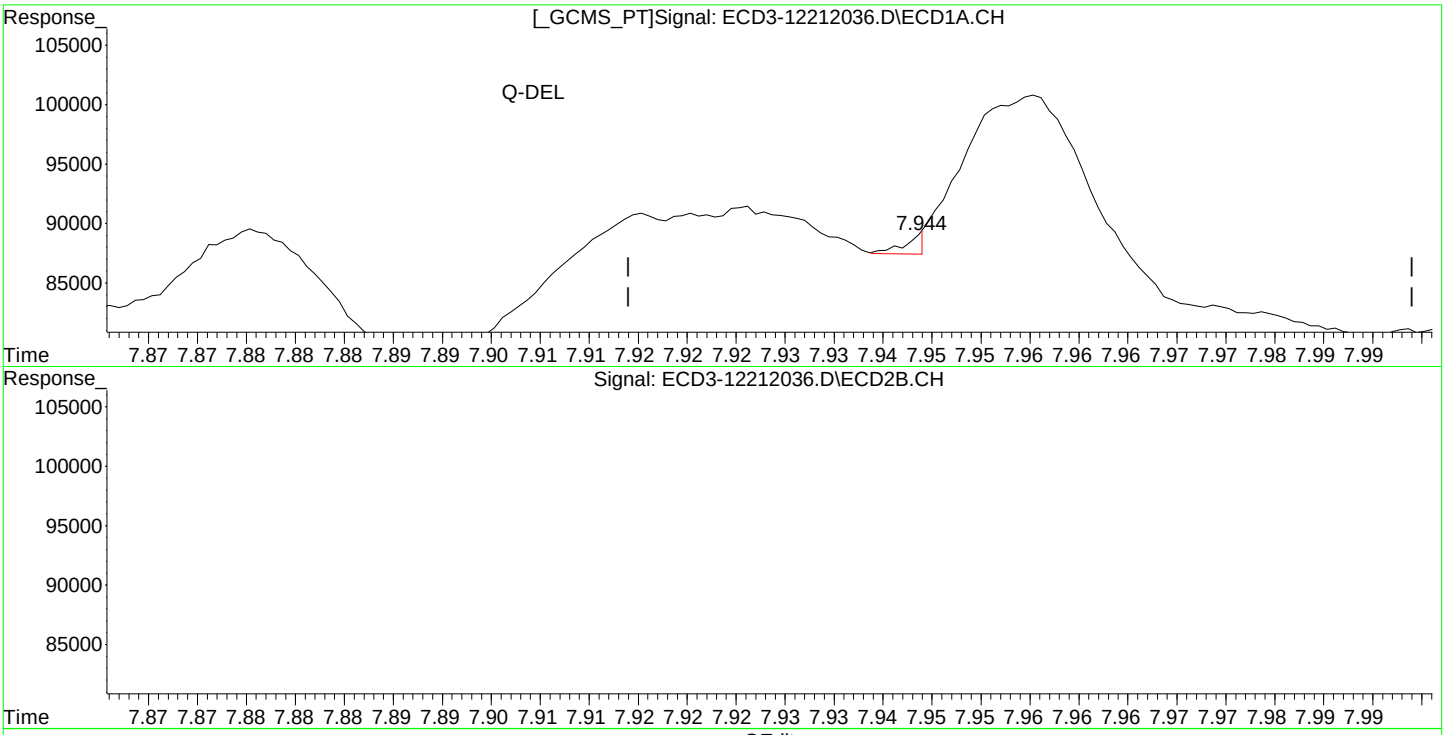


R = -7.44e-002 A*A + 1.73e+003 A + 3.85e+003
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w(1/a)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Calibration Table Last Updated: Tue Dec 22 16:15:52 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212036.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 22 Dec 2020   1:27
Operator : MJB
Sample   : 0L21060-CALQ
Misc   : A20L366, TOX 10 ppb
ALS Vial : 32 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 17:55:21 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Small noise peaks clipped



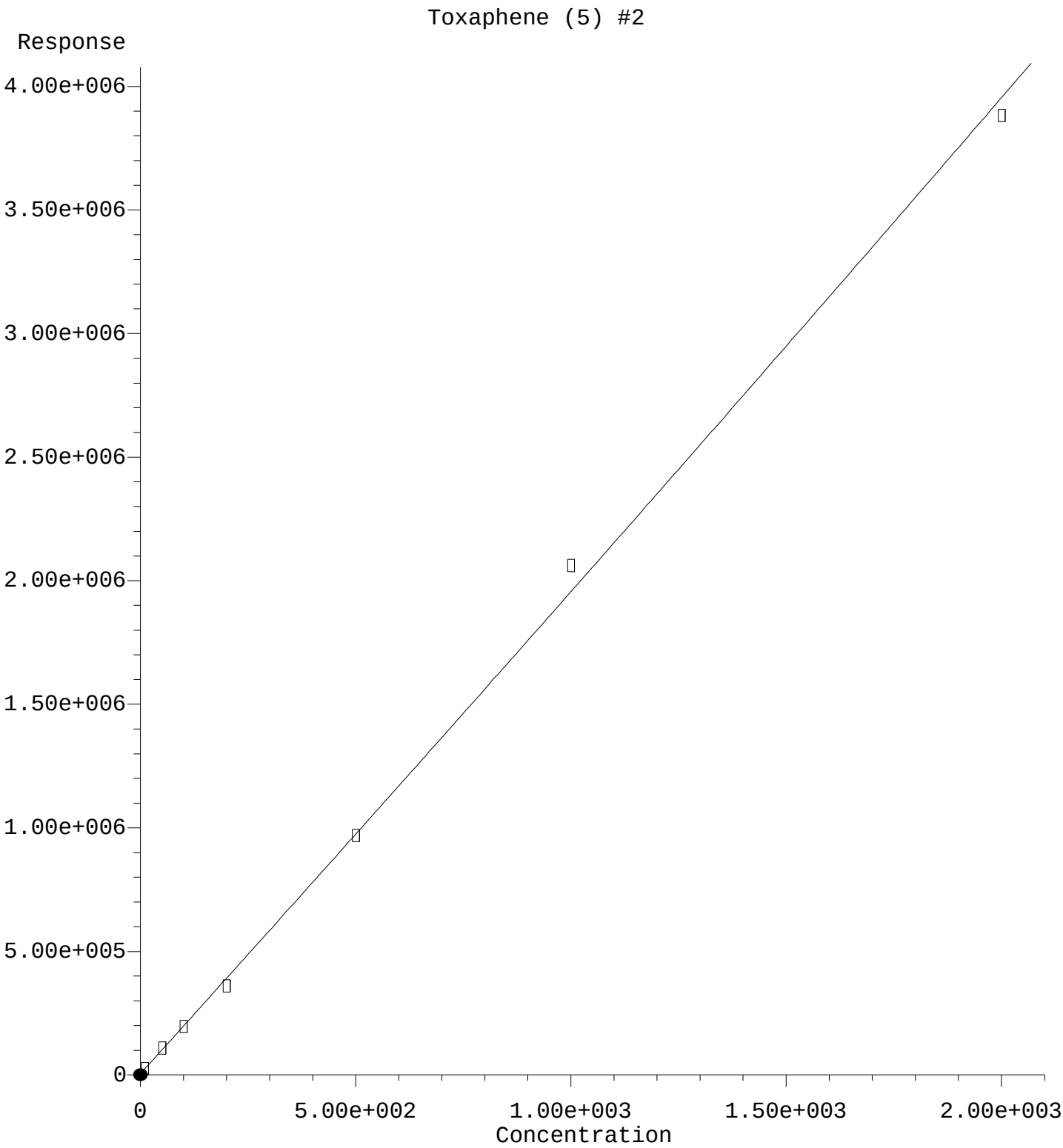
QEdit

(37) Toxaphene (2)
~~7.944min 25334.054 ng/mL m~~
response ~~1633~~

MJB 12/22/20

(37) Toxaphene (2) #2
8.674min 10.424 ng/mL
response 14637

(+) = Expected Retention Time

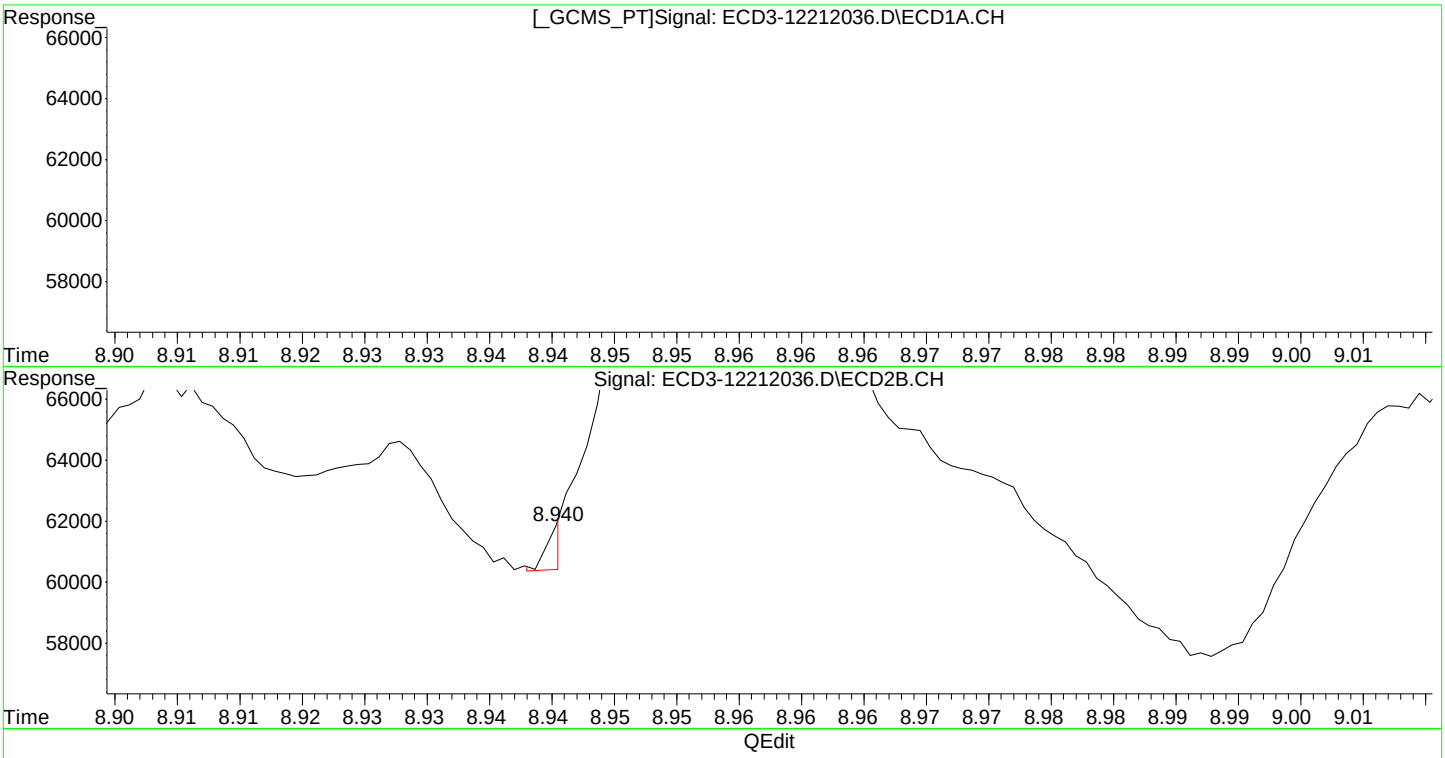


R = 2.42e-002 A*A + 1.93e+003 A + 5.55e+003
Coef of Det (r^2) = 0.997 Curve Fit: Quadratic w(1/a^2)
Method Name: C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Calibration Table Last Updated: Tue Dec 22 16:15:52 2020

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212036.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 22 Dec 2020   1:27
Operator : MJB
Sample   : 0L21060-CALQ
Misc   : A20L366, TOX 10 ppb
ALS Vial : 32 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 17:55:21 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Small noise peaks clipped



(40) Toxaphene (5)
8.745min 10.252 ng/mL
response 27799

(40) Toxaphene (5) #2
8.940min -2.136 ng/mL m
response 1433

MJB 12/22/20

(+) = Expected Retention Time
ECD3_QUANTPEST_201221.M Tue Dec 22 18:22:18 2020 Page: 1

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212004.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 16:19
Operator : MJB
Sample : 0L21060-ICB1 MJB 12/22/20
Misc : A20K283
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 18:46:08 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.548	5.880	16251963	9915323	87.667	93.270	
22)	S DCBP (S)	9.759	10.388	9824571	5451309	90.504	92.009	
	Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)	g-BHC	0.000	0.000	0	0	N.D.	N.D.	
4)	b-BHC	0.000	0.000	0	0	N.D.	N.D.	
5)	Heptachlor	0.000	0.000	0	0	N.D.	N.D.	
6)	d-BHC	0.000	0.000	0	0	N.D.	N.D.	
7)	Aldrin	0.000	0.000	0	0	N.D.	N.D.	
8)	Heptachlo...	0.000	0.000	0	0	N.D.	N.D.	
9)	trans-Chl...	0.000	~~8.012~~	0	~~9546~~	N.D.	~~6778.169~~	#
10)	cis-Chlor...	7.691	0.000	13088	0	BelowCal	N.D.	
11)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
12)	4,4'-DDE	0.000	0.000	0	0	N.D.	N.D.	
13)	Dieldrin	0.000	0.000	0	0	N.D.	N.D.	
14)	Endrin	0.000	8.586	0	5877	N.D.	0.072	#
15)	4,4'-DDD	8.177	8.586f	5257	5877	0.037	0.067	#
16)	Endosulfa...	8.285	8.738	9855	4285	0.070	0.049	
17)	4,4'-DDT	0.000	8.869f	0	6901	N.D.	0.095	#
18)	Endrin Al...	8.589	8.933f	18519	2920	BelowCal	BelowCal	
19)	Endosulfa...	0.000	9.134	0	13088	N.D.	0.176	#
20)	Methoxychlor	8.698	0.000	23090	0	0.249	N.D.	#
21)	Endrin Ke...	9.099	9.552	2113	8261	0.015	0.101	#
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)	Hexachlor...	5.935	0.000	31761	0	BelowCal	N.D.	
25)	Oxychlordane	0.000	0.000	0	0	N.D.	N.D.	
26)	2,4'-DDE	0.000	~~8.012f~~	0	~~9546~~	N.D.	~~11271.773~~	#
27)	trans-Non...	~~7.691f~~	0.000	~~13088~~	0	~~34192.538~~	N.D.	#
28)	2,4'-DDD	0.000	0.000	0	0	N.D.	N.D.	
29)	2,4'-DDT	8.023	8.586	10500	5877	BelowCal	BelowCal	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212004.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 16:19
Operator : MJB
Sample : 0L21060-ICB1
Misc : A20K283
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 18:46:08 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

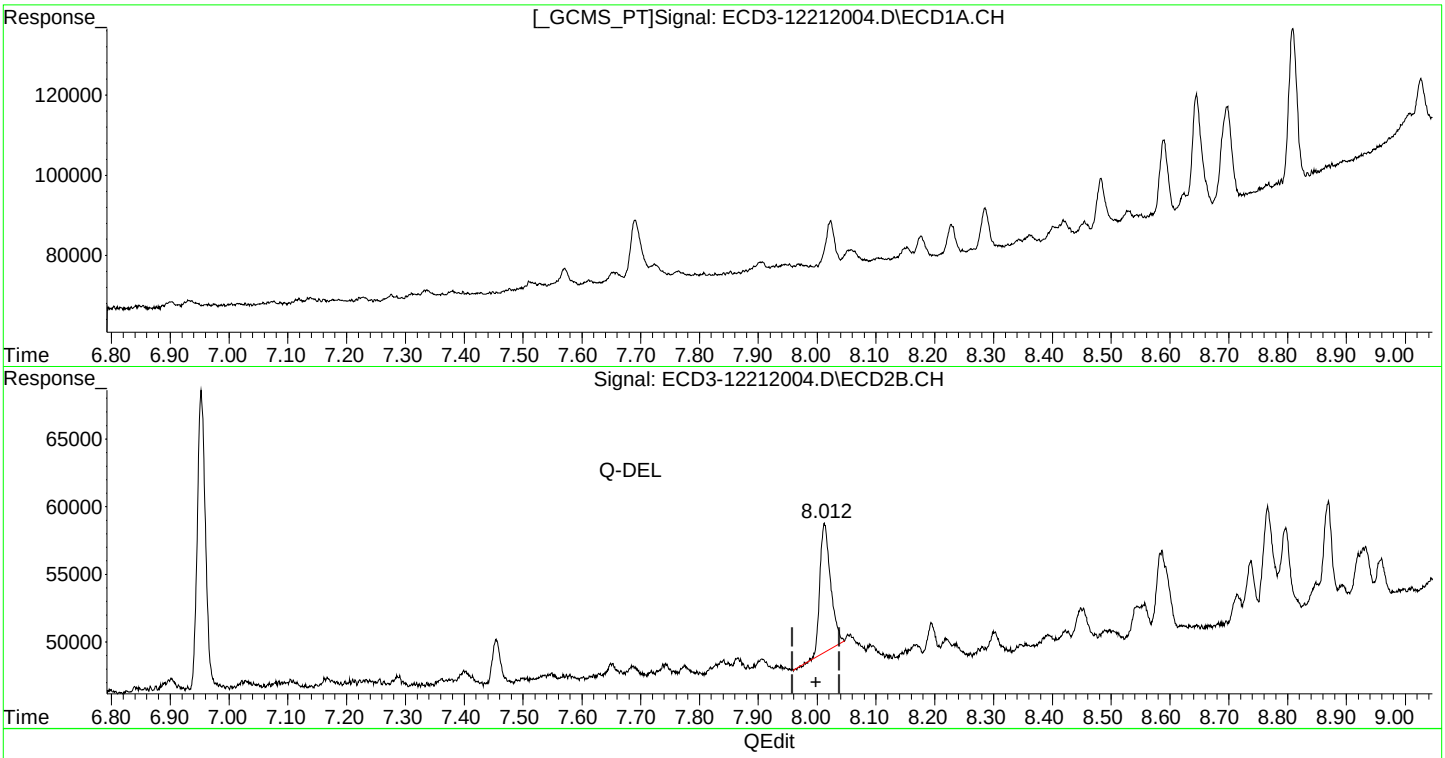
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.177f	8.586f	5257	5877	BelowCal	BelowCal	
31)	Mirex	8.809	~~9.552f~~	37723	~~8261~~	0.001	~~14371.954~~	#
32)	Chlordane...	0.000	8.012	0	9546	N.D.	0.714	#
33)	Chlordane...	7.691	0.000	13088	0	0.675	N.D.	#
34)	Chlordane...	8.228	8.766	7244	7934	1.204	2.224	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.691f	0.000	13088	0	16.205	N.D.	#
37)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
38)	Toxaphene...	8.285	8.738f	9855	4285	2.905	2.135	
39)	Toxaphene...	8.483f	8.766	11640	7934	3.307	2.384	
40)	Toxaphene...	0.000	8.933f	0	2920	N.D.	BelowCal	
41)	Toxaphene...	8.809	0.000	37723	0	11.963	N.D.	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212004.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 16:19
Operator : MJB
Sample : 0L21060-ICB1
Misc : A20K283
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 18:46:08 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(9) trans-Chlordane
0.000min 0.000 ng/mL
response 0

MJB 12/22/20

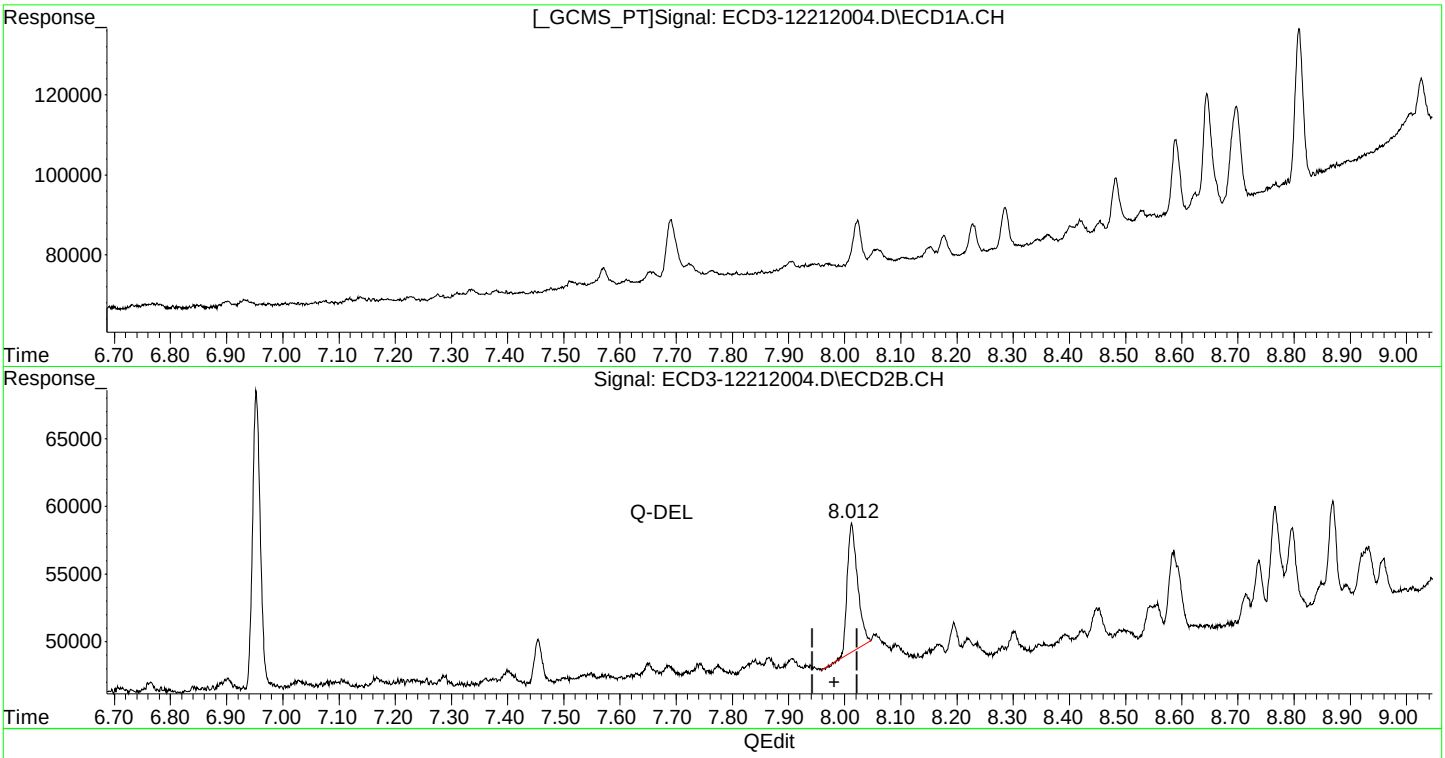
(9) trans-Chlordane #2
~~8.012min~~ ~~6778.169 ng/mL~~
response ~~9546~~

(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212004.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 16:19
Operator : MJB
Sample : 0L21060-ICB1
Misc : A20K283
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 18:46:08 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



(26) 2,4'-DDE
0.000min 0.000 ng/mL
response 0

MJB 12/22/20

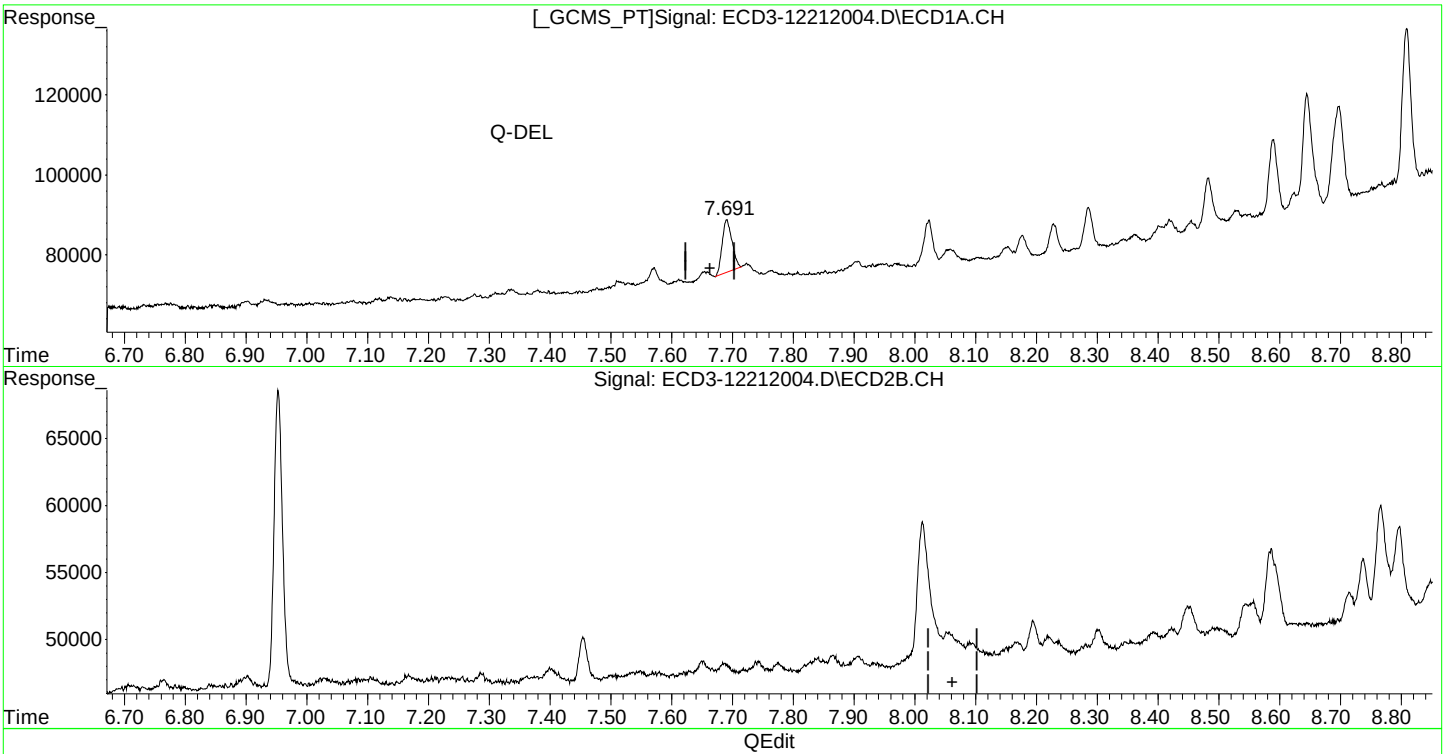
(26) 2,4'-DDE #2
~~8.012min~~ ~~11271.773 ng/mL~~
response ~~9546~~

(+) = Expected Retention Time
ECD3_QUANTPEST_201221.M Tue Dec 22 18:47:40 2020 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212004.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 16:19
Operator : MJB
Sample : 0L21060-ICB1
Misc : A20K283
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 18:46:08 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



QEdit

(27) trans-Nonachlor
~~7.691min 34192.538 ng/mL~~
response ~~13088~~

MJB 12/22/20

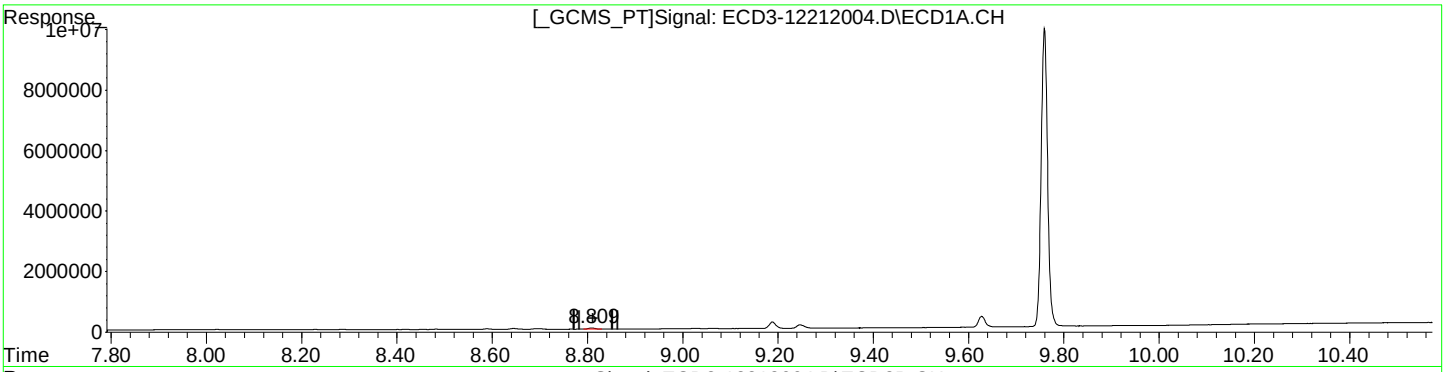
(27) trans-Nonachlor #2
0.000min 0.000 ng/mL
response 0

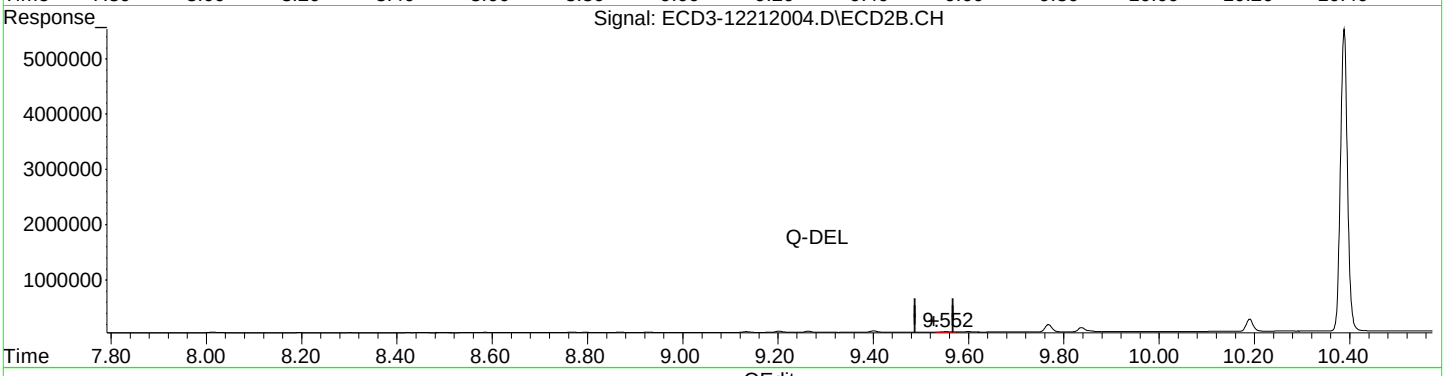
(+) = Expected Retention Time
ECD3_QUANTPEST_201221.M Tue Dec 22 18:47:50 2020 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212004.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 16:19
Operator : MJB
Sample : 0L21060-ICB1
Misc : A20K283
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 18:46:08 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





QEdit

(31) Mirex
8.809min 0.001 ng/mL
response 37723

MJB 12/22/20

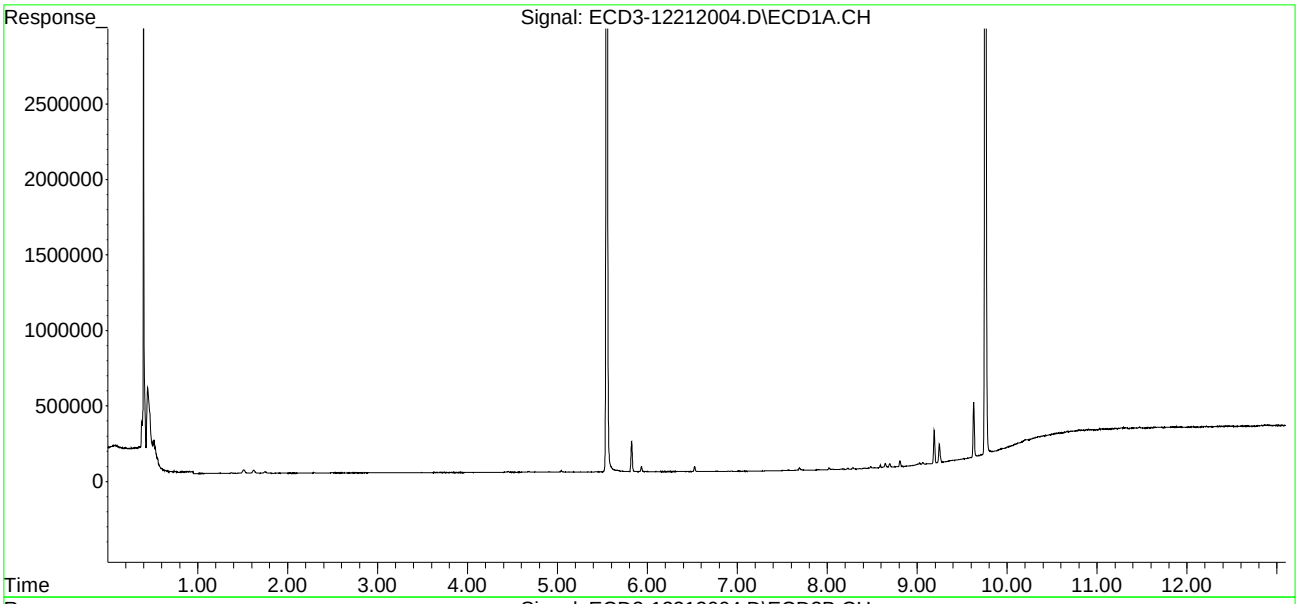
(31) Mirex #2
~~9.552min~~ ~~14371.954 ng/mL~~
response ~~8261~~

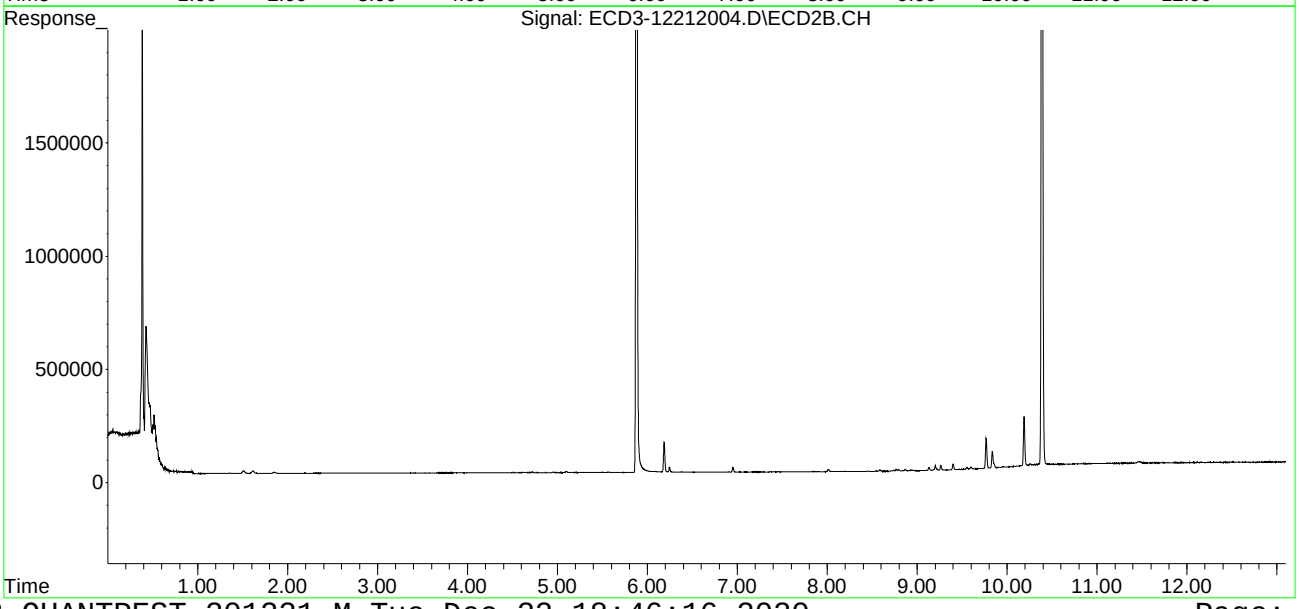
(+) = Expected Retention Time

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212004.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 16:19
Operator : MJB
Sample : 0L21060-ICB1
Misc : A20K283
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 18:46:08 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212014.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 19:11
Operator : MJB
Sample : 0L21060-IBL1
Misc : Instrument Blank
ALS Vial : 1 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

CLEAN

MJB 12/22/20

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 18:49:11 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	0.000	0.000	0	0	N.D.	N.D.	
22) S	DCBP (S)	9.757	0.000	4345	0	4158.026	N.D.	#
	Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)	g-BHC	0.000	0.000	0	0	N.D.	N.D.	
4)	b-BHC	0.000	0.000	0	0	N.D.	N.D.	
5)	Heptachlor	0.000	0.000	0	0	N.D.	N.D.	
6)	d-BHC	0.000	0.000	0	0	N.D.	N.D.	
7)	Aldrin	0.000	0.000	0	0	N.D.	N.D.	
8)	Heptachlo...	0.000	0.000	0	0	N.D.	N.D.	
9)	trans-Chl...	0.000	8.013	0	9049	N.D.	6778.174	#
10)	cis-Chlor...	7.692	0.000	11984	0	BelowCal	N.D.	
11)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
12)	4,4'-DDE	7.692f	0.000	11984	0	0.065	N.D.	#
13)	Dieldrin	0.000	0.000	0	0	N.D.	N.D.	
14)	Endrin	0.000	0.000	0	0	N.D.	N.D.	
15)	4,4'-DDD	0.000	0.000	0	0	N.D.	N.D.	
16)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
17)	4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	
18)	Endrin Al...	8.586	8.959	12324	7998	BelowCal	BelowCal	
19)	Endosulfa...	8.889	0.000	3439	0	0.026	N.D.	#
20)	Methoxychlor	0.000	0.000	0	0	N.D.	N.D.	
21)	Endrin Ke...	0.000	0.000	0	0	N.D.	N.D.	
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
25)	Oxychlordane	0.000	0.000	0	0	N.D.	N.D.	
26)	2,4'-DDE	0.000	8.013f	0	9049	N.D.	11271.780	#
27)	trans-Non...	7.692f	0.000	11984	0	34192.544	N.D.	#
28)	2,4'-DDD	0.000	0.000	0	0	N.D.	N.D.	
29)	2,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212014.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 19:11
Operator : MJB
Sample : 0L21060-IBL1
Misc : Instrument Blank
ALS Vial : 1 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 18:49:11 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

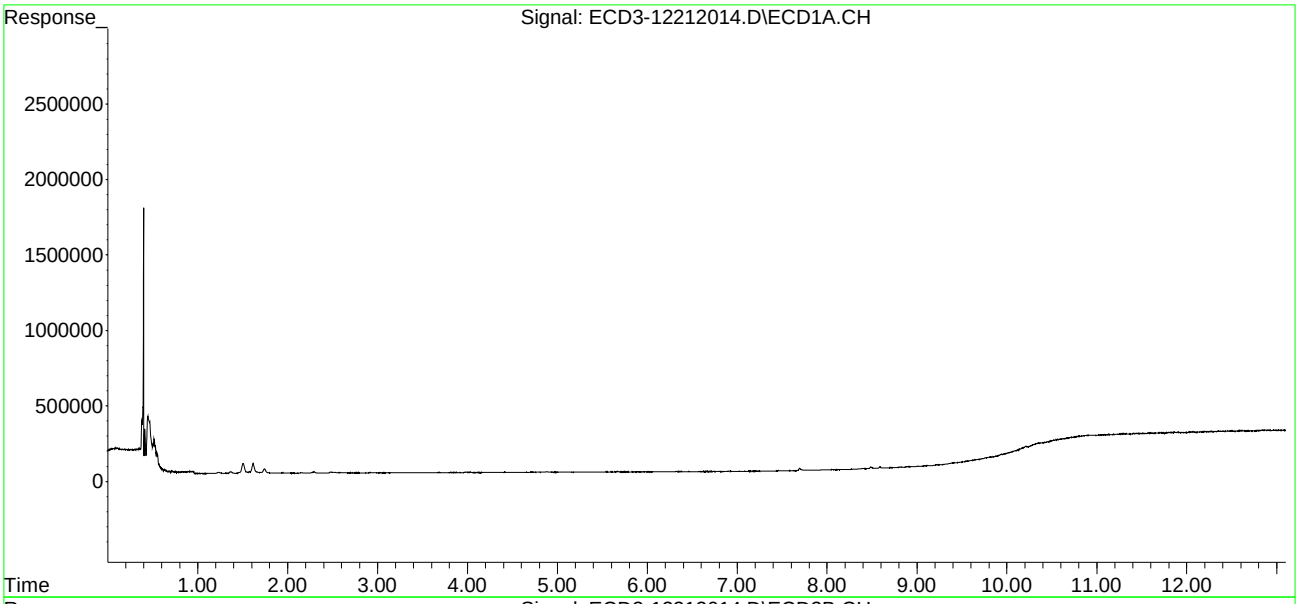
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	0.000	0.000	0	0	N.D.	N.D.	
31)	Mirex	0.000	0.000	0	0	N.D.	N.D.	
32)	Chlordane...	0.000	8.013f	0	9049	N.D.	0.677	#
33)	Chlordane...	7.692	0.000	11984	0	0.618	N.D.	#
34)	Chlordane...	0.000	8.766	0	6794	N.D.	1.904	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.692f	0.000	11984	0	14.838	N.D.	#
37)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
39)	Toxaphene...	8.482f	8.766	9795	6794	2.782	2.041	
40)	Toxaphene...	0.000	8.959	0	7998	N.D.	1.272	#
41)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

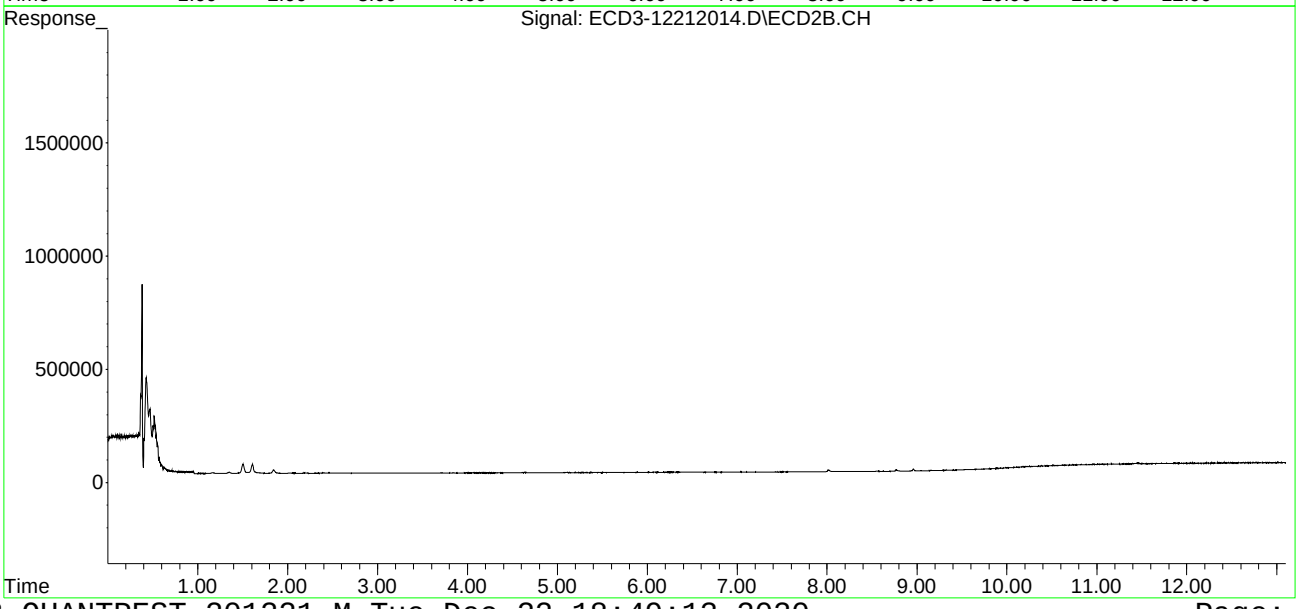
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212014.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 19:11
Operator : MJB
Sample : 0L21060-IBL1
Misc : Instrument Blank
ALS Vial : 1 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 18:49:11 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212015.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 19:28
Operator : MJB
Sample : 0L21060-ICV1 MJB 12/22/20
Misc : A20I130, AB 50 ppb
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 18:49:16 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.545	5.877	8576433	5291913	46.263	49.065	
22) S	DCBP (S)	9.757	10.384	5535423	3062583	50.414	50.811	
	Target Compounds							
2)	a-BHC	6.096	6.472	11844270	7177115	49.776	48.495	
3)	g-BHC	6.381	6.787	10415966	6361602	49.841	48.920	
4)	b-BHC	6.459	6.853	4403566	2734407	49.450	48.698	
5)	Heptachlor	6.779	7.160	9433713	5887092	48.234	48.388	
6)	d-BHC	6.610	7.101	9961995	6002272	51.005	50.829	
7)	Aldrin	7.021	7.423	9943442	6319183	49.063	50.567	
8)	Heptachlo...	7.491	7.859	8594027	5454722	50.267	50.917	
9)	trans-Chl...	7.582	7.998	8774721	5652297	47.015	51.844	
10)	cis-Chlor...	7.680	8.105	8516891	5275157	49.895	51.048	
11)	Endosulfa...	7.784	8.154	7960476	4908816	48.278	48.252	
12)	4,4'-DDE	7.731	8.210	9079740	5665932	49.252	50.298	
13)	Dieldrin	7.958	8.353	9001426	5515072	48.924	49.226	
14)	Endrin	8.127	8.576	6972356	4193766	50.769	51.495	
15)	4,4'-DDD	8.160	8.623	7469157	4447176	52.077	50.627	
16)	Endosulfa...	8.287	8.722	7040156	4326031	49.857	49.698	
17)	4,4'-DDT	8.357	8.848	6556384	3852274	51.695	53.257	
18)	Endrin Al...	8.583	8.958	6583779	3933852	56.092	56.676	
19)	Endosulfa...	8.888	9.152	6506333	3990490	49.907	53.790	
20)	Methoxychlor	8.686	9.313	3169077	1891173	53.427	53.819	
21)	Endrin Ke...	9.088	9.541	7268593	4185142	51.898	51.012	
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)	Hexachlor...	5.932	6.362f	41728	4505	0.002	3052.582	#
25)	Oxychlordane	7.397	7.771	12074	13578	BelowCal	24475.366	
26)	2,4'-DDE	7.491	7.998	8594027	5652297	77.084	79.696	
27)	trans-Non...	7.680	8.049	8516891	31149	50.969	0.056	#
28)	2,4'-DDD	7.873	8.353	28991	5515072	0.096	89.863	#
29)	2,4'-DDT	8.038	8.576	38090	4193766	0.220	72.637	#

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212015.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 19:28
Operator : MJB
Sample : 0L21060-ICV1
Misc : A20I130, AB 50 ppb
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 18:49:16 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

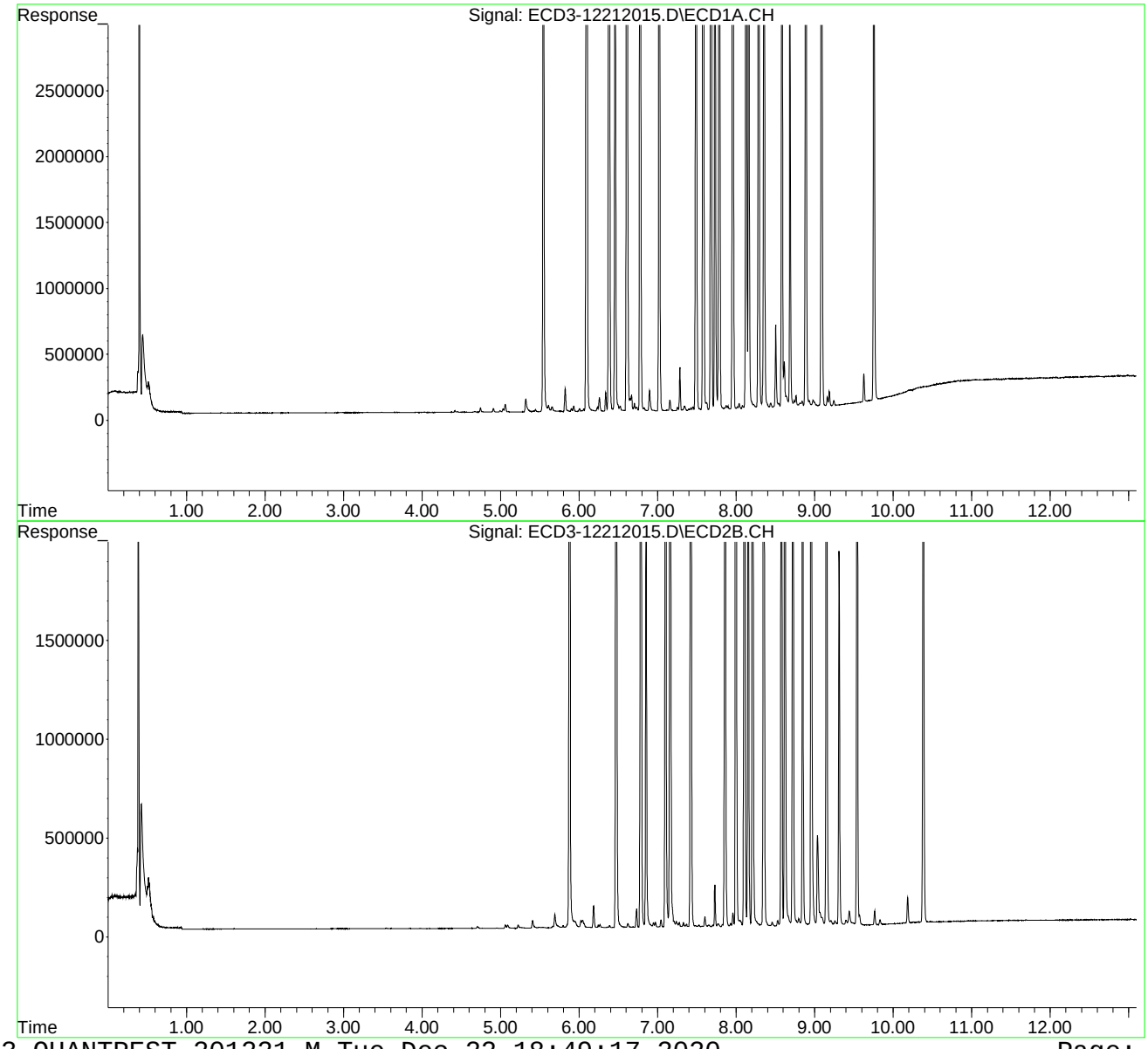
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.127	8.623	6972356	4447176	39.231	41.669	
31)	Mirex	8.815	9.541	27262	4185142	BelowCal	67.038	
32)	Chlordane...	7.582	7.998	8774721	5652297	430.910	422.662	
33)	Chlordane...	7.680	8.105	8516891	5275157	439.046	467.651	
34)	Chlordane...	0.000	8.722f	0	4326031	N.D.	1212.378	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.680f	8.353f	8516891	5515072	10545.231	4459.976	#
37)	Toxaphene...	7.958	0.000	9001426	0	7378.342	N.D.	#
38)	Toxaphene...	8.287	8.722	7040156	4326031	2075.634	2155.978	
39)	Toxaphene...	8.504	8.799f	628602	35644	178.572	10.708	#
40)	Toxaphene...	8.740	8.958	45815	3933852	16.896	1989.422	#
41)	Toxaphene...	8.815	9.313	27262	1891173	8.645	931.285	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212015.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 19:28
Operator : MJB
Sample : 0L21060-ICV1
Misc : A20I130, AB 50 ppb
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 18:49:16 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212025.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 22:19
Operator : MJB
Sample : 0L21060-IBL2
Misc : Instrument Blank
ALS Vial : 1 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

CLEAN

MJB 12/22/20

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 18:49:21 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	0.000	0.000	0	0	N.D.	N.D.	
22)	S DCBP (S)	9.765	0.000	1580	0	4158.051	N.D.	#
	Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)	g-BHC	0.000	0.000	0	0	N.D.	N.D.	
4)	b-BHC	0.000	0.000	0	0	N.D.	N.D.	
5)	Heptachlor	0.000	0.000	0	0	N.D.	N.D.	
6)	d-BHC	0.000	0.000	0	0	N.D.	N.D.	
7)	Aldrin	0.000	0.000	0	0	N.D.	N.D.	
8)	Heptachlo...	0.000	0.000	0	0	N.D.	N.D.	
9)	trans-Chl...	0.000	8.012	0	4925	N.D.	6778.211	#
10)	cis-Chlor...	7.694	0.000	7896	0	BelowCal	N.D.	
11)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
12)	4,4'-DDE	7.694f	0.000	7896	0	0.043	N.D.	#
13)	Dieldrin	0.000	0.000	0	0	N.D.	N.D.	
14)	Endrin	0.000	0.000	0	0	N.D.	N.D.	
15)	4,4'-DDD	0.000	0.000	0	0	N.D.	N.D.	
16)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
17)	4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	
18)	Endrin Al...	0.000	0.000	0	0	N.D.	N.D.	
19)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
20)	Methoxychlor	0.000	0.000	0	0	N.D.	N.D.	
21)	Endrin Ke...	0.000	0.000	0	0	N.D.	N.D.	
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
25)	Oxychlordane	0.000	0.000	0	0	N.D.	N.D.	
26)	2,4'-DDE	0.000	8.012f	0	4925	N.D.	11271.838	#
27)	trans-Non...	7.694f	0.000	7896	0	34192.569	N.D.	#
28)	2,4'-DDD	0.000	0.000	0	0	N.D.	N.D.	
29)	2,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212025.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 22:19
Operator : MJB
Sample : 0L21060-IBL2
Misc : Instrument Blank
ALS Vial : 1 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 18:49:21 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

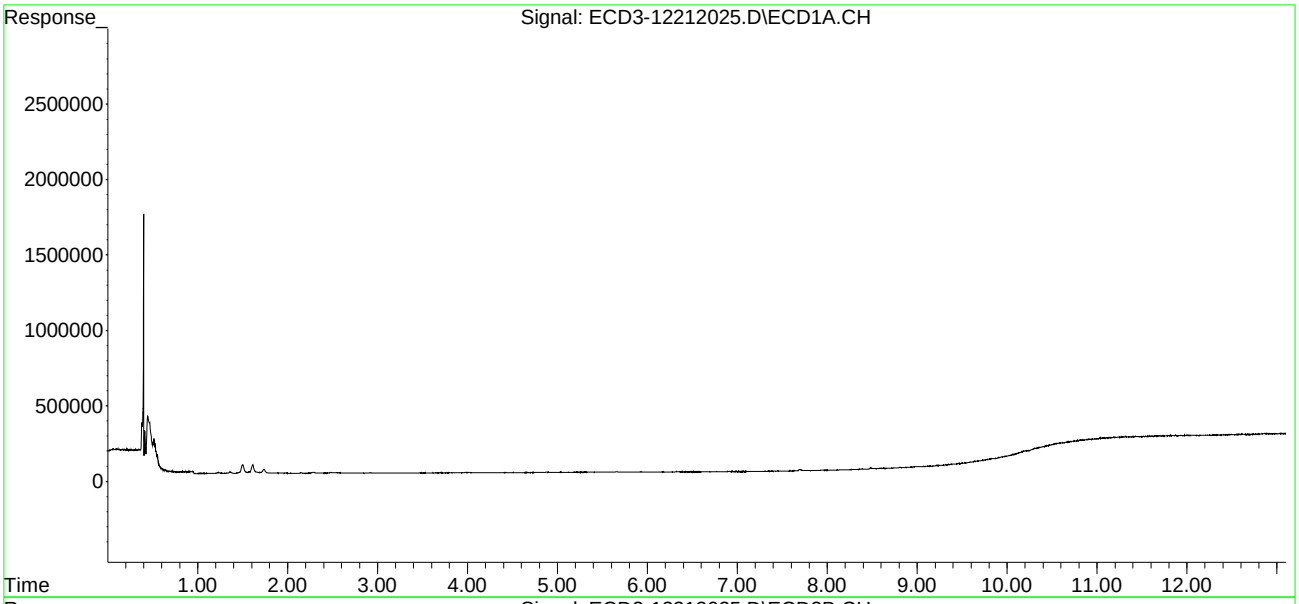
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	0.000	0.000	0	0	N.D.	N.D.	
31)	Mirex	0.000	0.000	0	0	N.D.	N.D.	
32)	Chlordane...	0.000	8.012	0	4925	N.D.	0.368	#
33)	Chlordane...	7.694	0.000	7896	0	0.407	N.D.	#
34)	Chlordane...	0.000	8.768	0	4195	N.D.	1.176	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.694f	0.000	7896	0	9.776	N.D.	#
37)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
39)	Toxaphene...	8.482f	8.768	7353	4195	2.089	1.260	
40)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
41)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

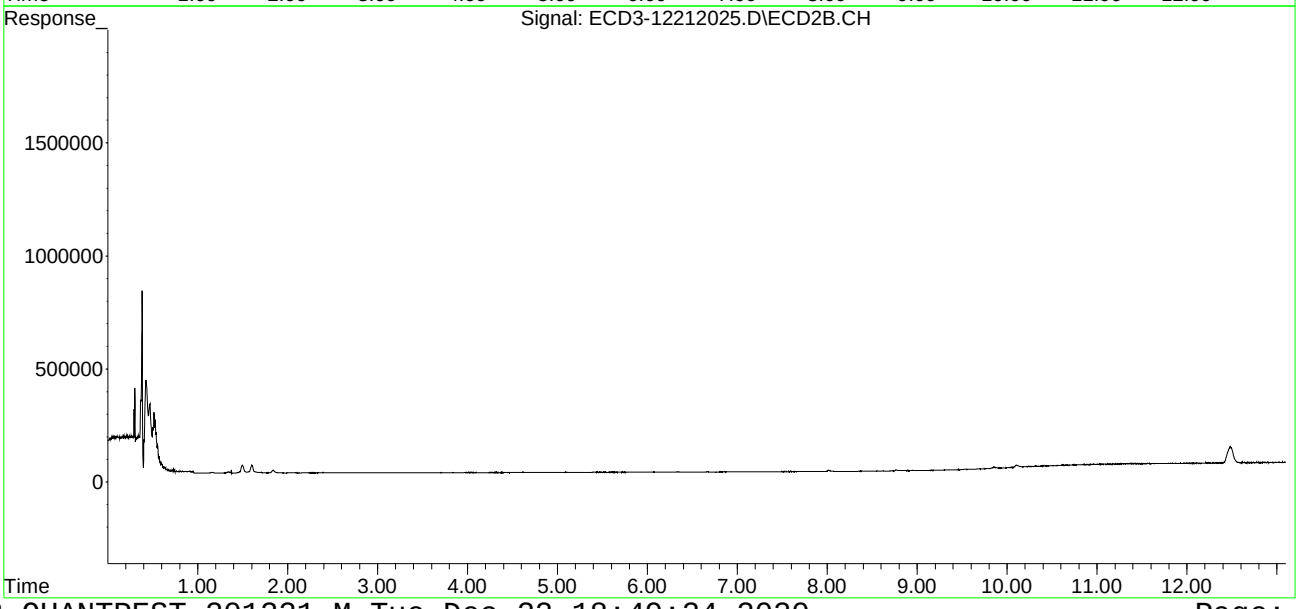
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212025.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 22:19
Operator : MJB
Sample : 0L21060-IBL2
Misc : Instrument Blank
ALS Vial : 1 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 18:49:21 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212026.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 22:36
Operator : MJB
Sample : 0L21060-ICV2 MJB 12/22/20
Misc : A20I187, 9-42 50 ppb
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 18:49:28 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.514f	5.911f	20370	14044	0.110	3499.979	#
22)	S DCBP (S)	9.759	0.000	2091	0	4158.047	N.D.	#
	Target Compounds							
2)	a-BHC	0.000	6.451f	0	2270	N.D.	0.015	#
3)	g-BHC	0.000	0.000	0	0	N.D.	N.D.	
4)	b-BHC	0.000	0.000	0	0	N.D.	N.D.	
5)	Heptachlor	6.777	7.155	11636	7798	0.059	0.064	
6)	d-BHC	6.609	7.097	5671	4227	0.029	0.036	
7)	Aldrin	0.000	7.397f	0	1867	N.D.	0.015	#
8)	Heptachlo...	7.476	7.892f	5241304	44593	30.584	0.280	#
9)	trans-Chl...	7.579	7.981	125432	3467627	0.672	31.649	#
10)	cis-Chlor...	7.689	8.095	366021	210672	1.986	1.858	
11)	Endosulfa...	7.806f	8.167	32595	25408	0.198	0.250	
12)	4,4'-DDE	7.759f	8.238f	30924	14142	0.168	0.126	
13)	Dieldrin	7.969	8.353	17889	2943818	0.097	26.276	#
14)	Endrin	8.141	8.575	8545273	2863046	62.222	35.155	#
15)	4,4'-DDD	8.141	8.619	8545273	5203977	59.580	59.242	
16)	Endosulfa...	0.000	8.760f	0	5164	N.D.	0.059	#
17)	4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	
18)	Endrin Al...	8.576	0.000	23468	0	BelowCal	N.D.	
19)	Endosulfa...	8.915f	0.000	23316	0	0.179	N.D.	#
20)	Methoxychlor	0.000	0.000	0	0	N.D.	N.D.	
21)	Endrin Ke...	0.000	9.526	0	2907941	N.D.	35.444	#
23)	Hexachlor...	3.339	3.586	8342151	5681463	48.743	48.046	
24)	Hexachlor...	5.929	6.337	8024661	4972244	47.031	46.997	
25)	Oxychlordane	7.409	7.785	6969410	4344562	47.782	47.926	
26)	2,4'-DDE	7.476	7.981	5241304	3467627	46.680	48.669	
27)	trans-Non...	7.663	8.061	8106906	4862712	48.502	48.097	
28)	2,4'-DDD	7.855	8.353	4794096	2943818	47.822	47.872	
29)	2,4'-DDT	8.036	8.575	4774184	2863046	49.554	50.512	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212026.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 22:36
Operator : MJB
Sample : 0L21060-ICV2
Misc : A20I187, 9-42 50 ppb
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 18:49:28 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

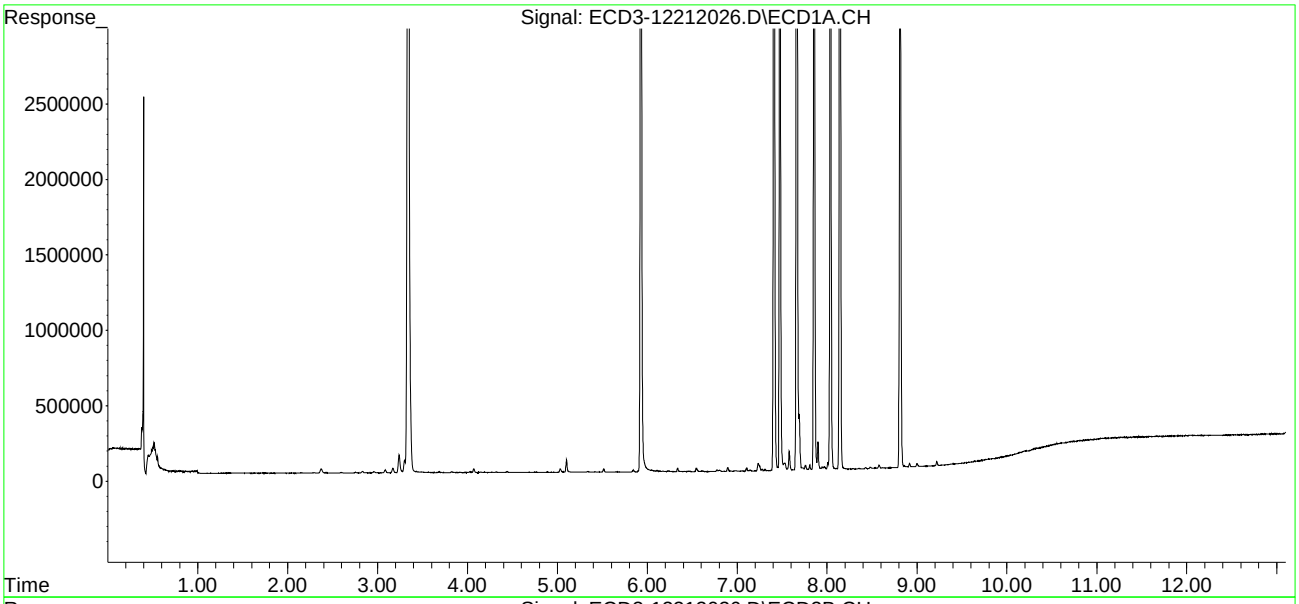
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.141	8.619	8545273	5203977	48.017	48.761	
31)	Mirex	8.811	9.526	4932712	2907941	46.607	46.401	
32)	Chlordane...	7.579	7.981	125432	3467627	6.160	259.299	#
33)	Chlordane...	7.663	8.095	8106906	210672	417.911	18.676	#
34)	Chlordane...	0.000	8.760	0	5164	N.D.	1.447	#
35)	Chlordane...	3.831	0.000	6149	0	NoCal	N.D.	
36)	Toxaphene...	7.663	8.353f	8106906	2943818	10037.606	2380.632	#
37)	Toxaphene...	7.946	0.000	16405	0	7.128	N.D.	#
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
39)	Toxaphene...	8.480f	8.760	8874	5164	2.521	1.551	
40)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
41)	Toxaphene...	8.811	0.000	4932712	0	1564.240	N.D.	#
42)	Toxaphene...	3.831	0.000	6149	0	NoCal	N.D.	

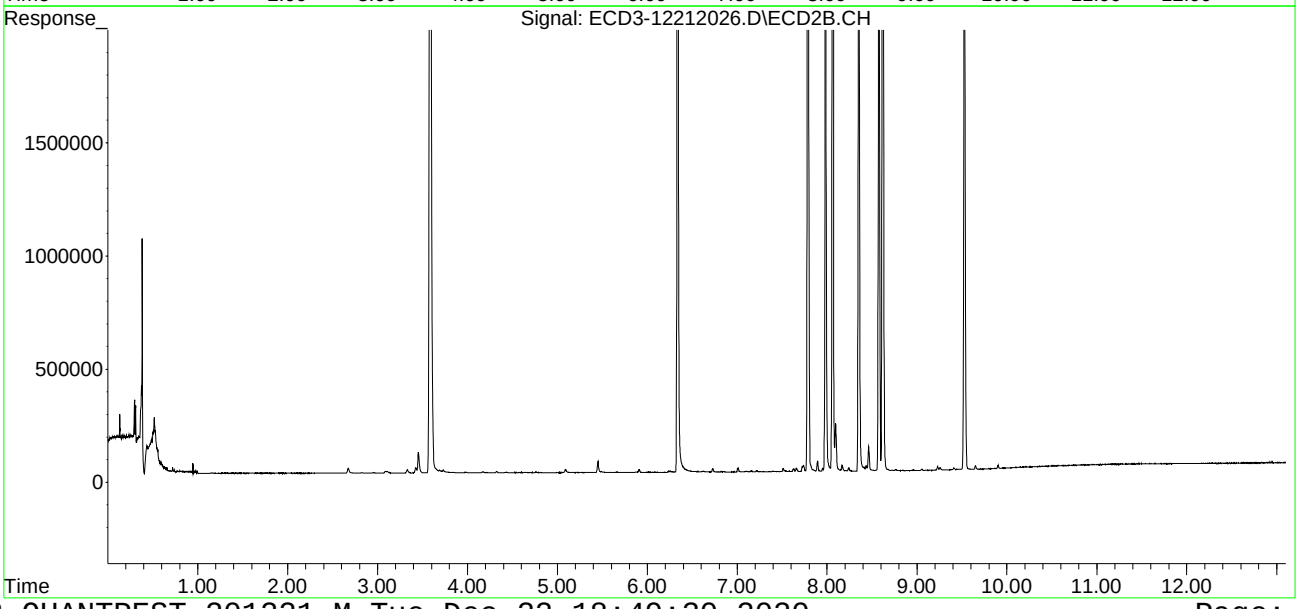
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212026.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 22:36
Operator : MJB
Sample : 0L21060-ICV2
Misc : A20I187, 9-42 50 ppb
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 18:49:28 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212034.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Dec 2020 0:52
Operator : MJB
Sample : 0L21060-IBL3
Misc : Instrument Blank
ALS Vial : 1 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

CLEAN

MJB 12/22/20

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 18:49:34 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D.	N.D.
22) S	DCBP (S)	0.000	0.000	0	0	N.D.	N.D.
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D.	N.D.
3)	g-BHC	0.000	0.000	0	0	N.D.	N.D.
4)	b-BHC	0.000	0.000	0	0	N.D.	N.D.
5)	Heptachlor	0.000	0.000	0	0	N.D.	N.D.
6)	d-BHC	0.000	0.000	0	0	N.D.	N.D.
7)	Aldrin	0.000	0.000	0	0	N.D.	N.D.
8)	Heptachlo...	0.000	0.000	0	0	N.D.	N.D.
9)	trans-Chl...	0.000	8.018	0	3280	N.D.	6778.226 #
10)	cis-Chlor...	0.000	0.000	0	0	N.D.	N.D.
11)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
12)	4,4'-DDE	0.000	0.000	0	0	N.D.	N.D.
13)	Dieldrin	0.000	0.000	0	0	N.D.	N.D.
14)	Endrin	0.000	0.000	0	0	N.D.	N.D.
15)	4,4'-DDD	0.000	0.000	0	0	N.D.	N.D.
16)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
17)	4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.
18)	Endrin Al...	0.000	0.000	0	0	N.D.	N.D.
19)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.
20)	Methoxychlor	0.000	0.000	0	0	N.D.	N.D.
21)	Endrin Ke...	0.000	0.000	0	0	N.D.	N.D.
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
25)	Oxychlordane	0.000	0.000	0	0	N.D.	N.D.
26)	2,4'-DDE	0.000	8.018f	0	3280	N.D.	11271.861 #
27)	trans-Non...	0.000	0.000	0	0	N.D.	N.D.
28)	2,4'-DDD	0.000	0.000	0	0	N.D.	N.D.
29)	2,4'-DDT	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212034.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Dec 2020 0:52
Operator : MJB
Sample : 0L21060-IBL3
Misc : Instrument Blank
ALS Vial : 1 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 18:49:34 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

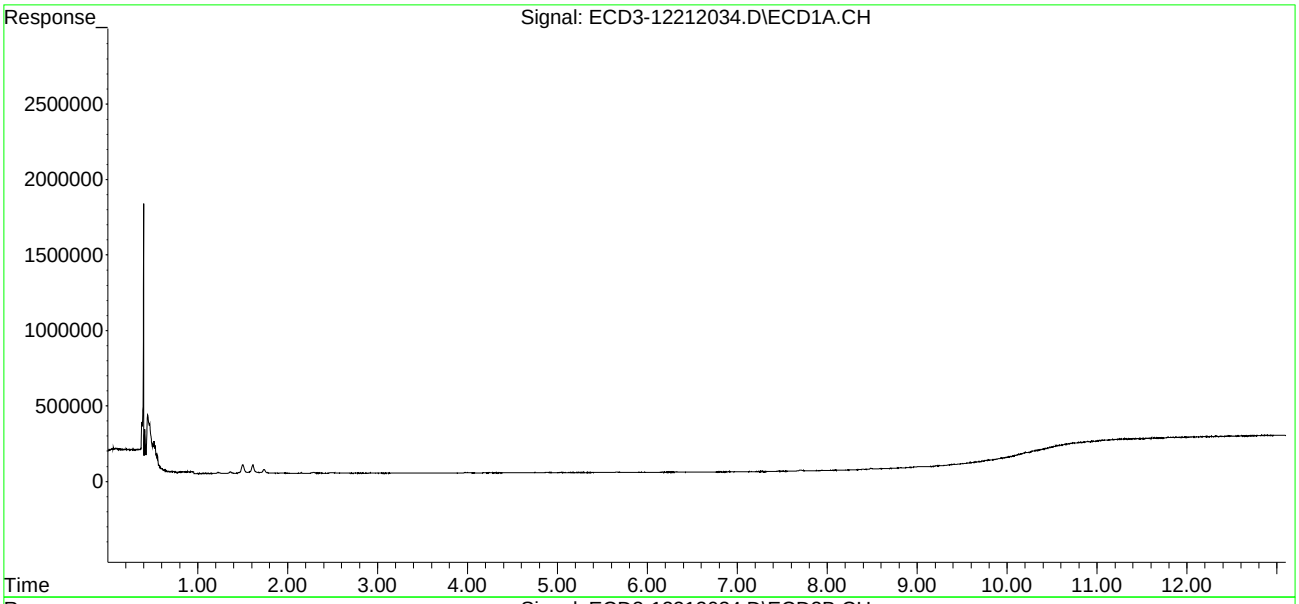
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	0.000	0.000	0	0	N.D.	N.D.	
31)	Mirex	0.000	0.000	0	0	N.D.	N.D.	
32)	Chlordane...	0.000	8.018f	0	3280	N.D.	0.245	#
33)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
34)	Chlordane...	0.000	8.764	0	2598	N.D.	0.728	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
37)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
39)	Toxaphene...	8.482f	8.764	5700	2598	1.619	0.781	#
40)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
41)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

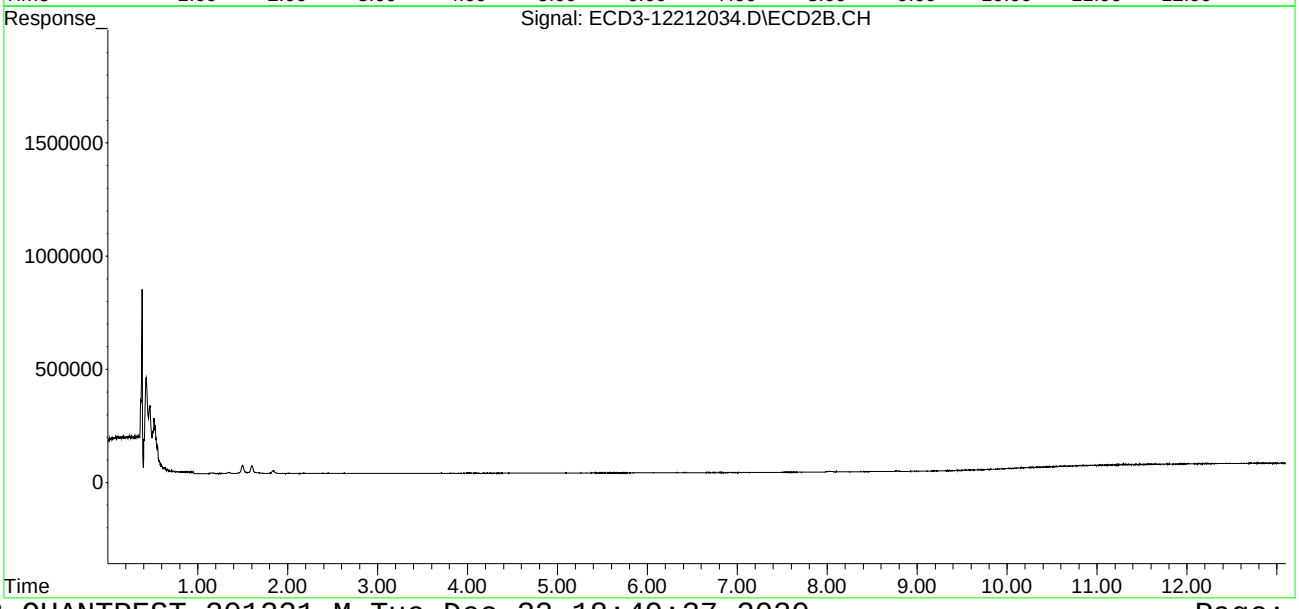
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212034.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Dec 2020 0:52
Operator : MJB
Sample : 0L21060-IBL3
Misc : Instrument Blank
ALS Vial : 1 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 18:49:34 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212035.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Dec 2020 1:10
Operator : MJB
Sample : 0L21060-ICV3
Misc : A20L144, CHLOR 500 ppb
ALS Vial : 31 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 12/22/20

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 18:49:41 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	0.000	5.909f	0	380632	N.D.	3.332	#
22)	S DCBP (S)	9.768	10.425f	14309	18687	4157.936	0.101	#
	Target Compounds							
2)	a-BHC	6.082	6.498f	5577	145853	0.023	0.986	#
3)	g-BHC	6.389	6.794	13174	82984	0.063	0.638	#
4)	b-BHC	6.467	6.838	127662	22227	1.243	0.178	#
5)	Heptachlor	6.775	7.154	4656777	2890460	23.810	23.757	
6)	d-BHC	6.621	7.094	145954	26761	0.747	0.227	#
7)	Aldrin	7.029	7.426	69572	38670	0.343	0.309	
8)	Heptachlo...	7.491	7.871	702721	176147	3.967	1.494	#
9)	trans-Chl...	7.577	7.992	10170793	6772767	54.495	62.249	
10)	cis-Chlor...	7.674	8.099	9465436	5682475	55.430	55.053	
11)	Endosulfa...	7.793	8.163	283042	117663	1.717	1.157	
12)	4,4'-DDE	7.737	8.217	285976	164835	1.551	1.463	
13)	Dieldrin	7.964	8.350	350649	476391	1.906	4.252	#
14)	Endrin	8.139	8.570	1758630	144236	12.805	1.771	#
15)	4,4'-DDD	8.139f	8.619	1758630	1101578	12.262	12.540	
16)	Endosulfa...	8.278	8.733	213214	140720	1.510	1.617	
17)	4,4'-DDT	8.346	8.856	51732	59467	0.408	0.822	#
18)	Endrin Al...	8.592	8.981f	53480	316482	BelowCal	3.930	
19)	Endosulfa...	8.879	9.169	115923	32933	0.889	0.444	#
20)	Methoxychlor	8.691	9.279f	46130	12414	0.644	0.208	#
21)	Endrin Ke...	9.064f	9.538	13099	50727	0.094	0.618	#
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)	Hexachlor...	5.901f	6.306f	20442	20329	BelowCal	3052.434	
25)	Oxychlordane	7.402	7.766f	97464	86401	0.445	0.691	#
26)	2,4'-DDE	7.491	7.992	702721	6772767	6.030	95.676	#
27)	trans-Non...	7.663	8.059	8812913	4862959	52.751	48.100	
28)	2,4'-DDD	7.855	8.350	295291	476391	2.778	7.532	#
29)	2,4'-DDT	8.050	8.570	101839	144236	0.908	2.424	#

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212035.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Dec 2020 1:10
Operator : MJB
Sample : 0L21060-ICV3
Misc : A20L144, CHLOR 500 ppb
ALS Vial : 31 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

FRONT COLUMN: 495.81
REAR COLUMN: 500.50

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 18:49:41 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

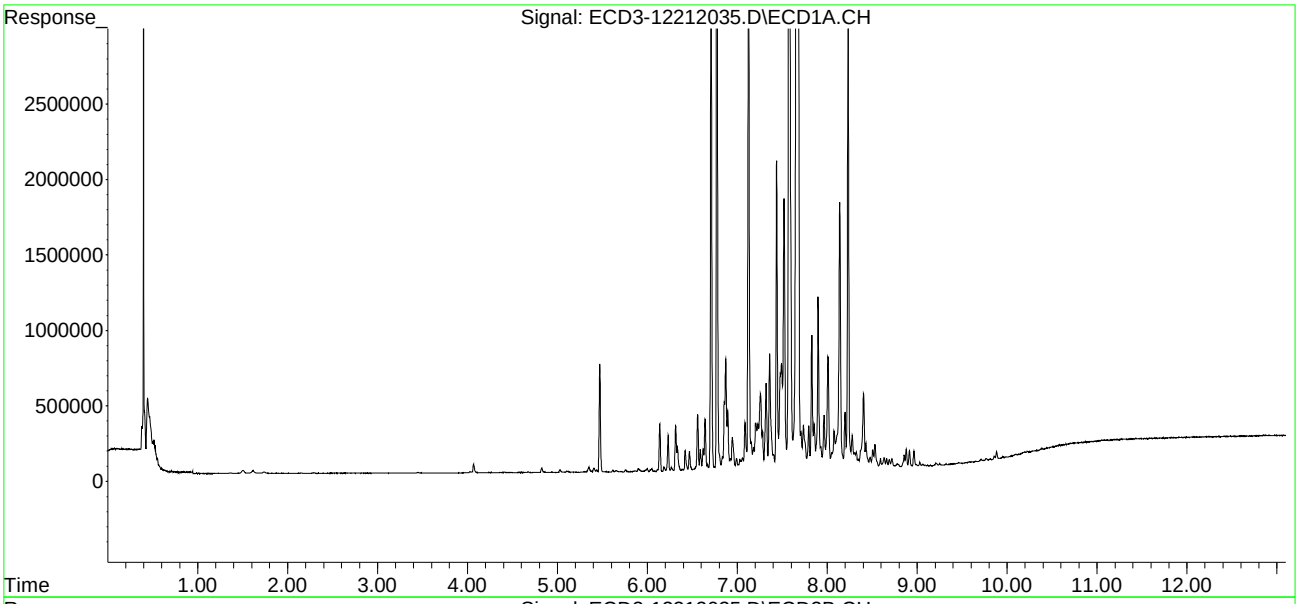
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.139	8.619	1758630	1101578	9.819	10.171	
31)	Mirex	8.793	9.538	14271	50727	BelowCal	0.448	
32)	Chlordane...	7.577	7.992	10170793	6772767	499.468	506.447	
33)	Chlordane...	7.674	8.099	9465436	5682475	487.944	503.760	
34)	Chlordane...	8.231	8.754	3009407	1753035	500.015	491.291	
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.663	8.332	8812913	170680	10911.752	138.027	#
37)	Toxaphene...	7.964	8.672	350649	190036	203.020	135.336	
38)	Toxaphene...	8.278	8.708	213214	138247	62.861	68.899	
39)	Toxaphene...	8.505	8.754f	116248	1753035	33.023	526.655	#
40)	Toxaphene...	8.719f	8.981f	52226	316482	19.261	161.079	#
41)	Toxaphene...	8.793f	9.362f	14271	29909	4.525	14.728	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

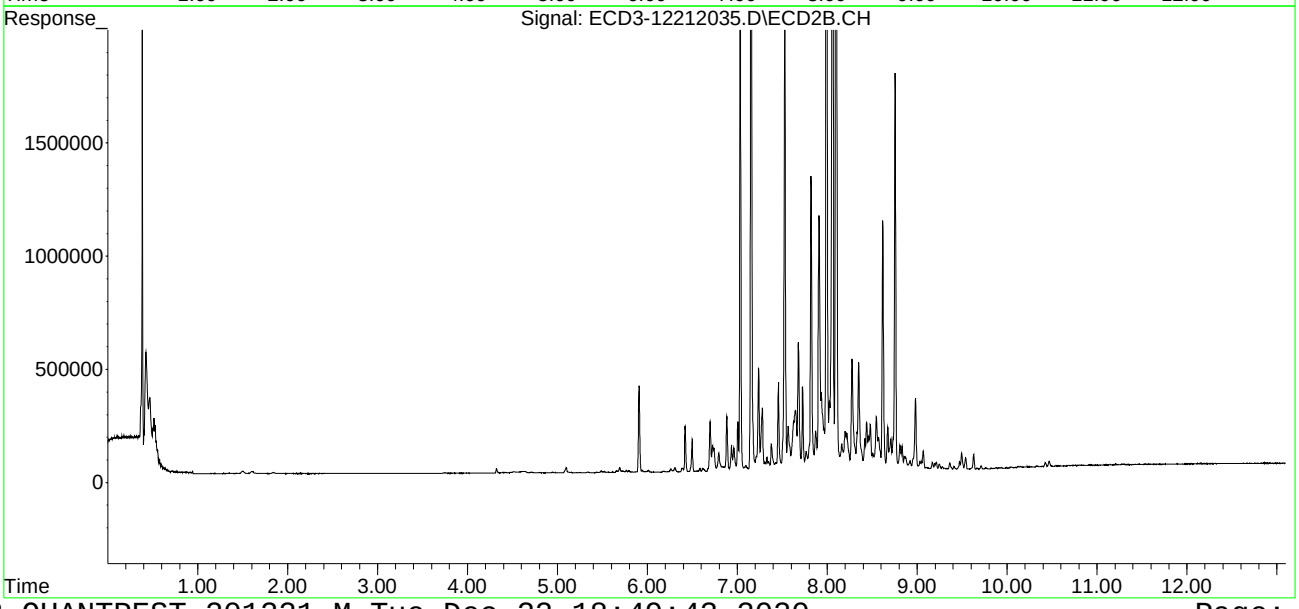
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212035.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Dec 2020 1:10
Operator : MJB
Sample : 0L21060-ICV3
Misc : A20L144, CHLOR 500 ppb
ALS Vial : 31 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 18:49:41 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212043.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Dec 2020 3:26
Operator : MJB
Sample : 0L21060-IBL4
Misc : Instrument Blank
ALS Vial : 1 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

CLEAN

MJB 12/22/20

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 18:49:47 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	0.000	0.000	0	0	N.D.	N.D.	
22) S	DCBP (S)	9.783f	0.000	2229	0	4158.046	N.D.	#
	Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)	g-BHC	0.000	0.000	0	0	N.D.	N.D.	
4)	b-BHC	0.000	0.000	0	0	N.D.	N.D.	
5)	Heptachlor	0.000	0.000	0	0	N.D.	N.D.	
6)	d-BHC	0.000	0.000	0	0	N.D.	N.D.	
7)	Aldrin	0.000	0.000	0	0	N.D.	N.D.	
8)	Heptachlo...	0.000	0.000	0	0	N.D.	N.D.	
9)	trans-Chl...	0.000	8.018f	0	3914	N.D.	6778.221	#
10)	cis-Chlor...	7.699	0.000	4549	0	BelowCal	N.D.	
11)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
12)	4,4'-DDE	7.699f	0.000	4549	0	0.025	N.D.	#
13)	Dieldrin	0.000	0.000	0	0	N.D.	N.D.	
14)	Endrin	0.000	0.000	0	0	N.D.	N.D.	
15)	4,4'-DDD	0.000	0.000	0	0	N.D.	N.D.	
16)	Endosulfa...	0.000	8.764f	0	3669	N.D.	0.042	#
17)	4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	
18)	Endrin Al...	0.000	0.000	0	0	N.D.	N.D.	
19)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
20)	Methoxychlor	0.000	0.000	0	0	N.D.	N.D.	
21)	Endrin Ke...	0.000	0.000	0	0	N.D.	N.D.	
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
25)	Oxychlordane	0.000	0.000	0	0	N.D.	N.D.	
26)	2,4'-DDE	0.000	8.018f	0	3914	N.D.	11271.852	#
27)	trans-Non...	7.699f	0.000	4549	0	34192.589	N.D.	#
28)	2,4'-DDD	0.000	0.000	0	0	N.D.	N.D.	
29)	2,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212043.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Dec 2020 3:26
Operator : MJB
Sample : 0L21060-IBL4
Misc : Instrument Blank
ALS Vial : 1 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 18:49:47 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

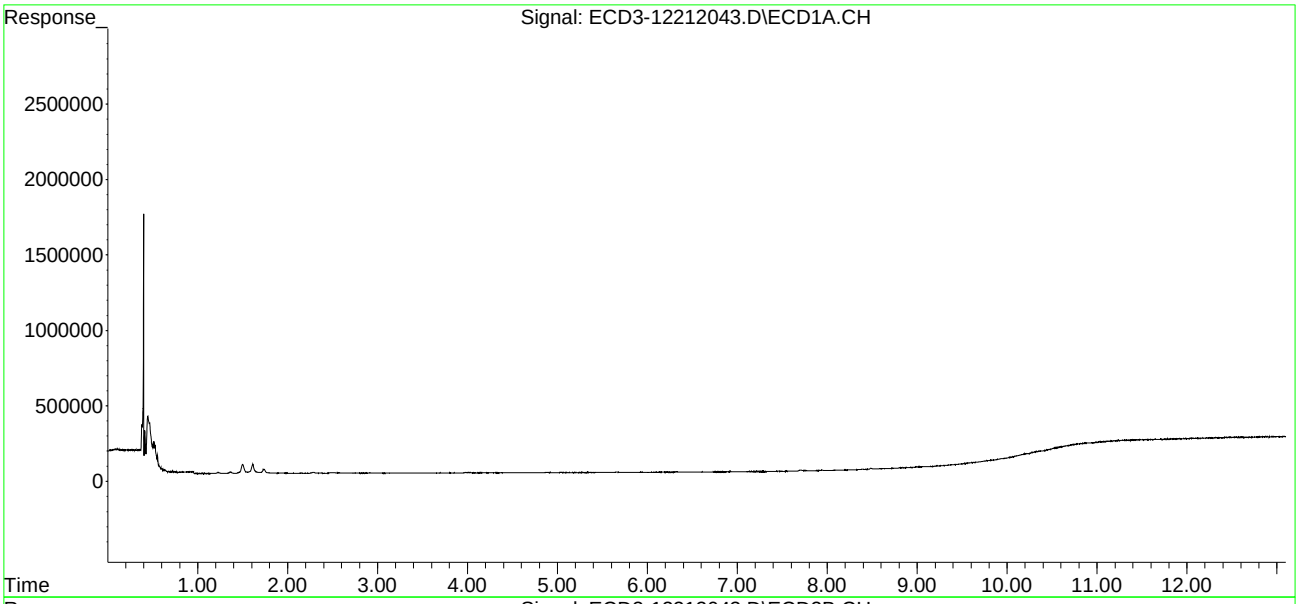
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	0.000	0.000	0	0	N.D.	N.D.	
31)	Mirex	8.811	0.000	2238	0	BelowCal	N.D.	
32)	Chlordane...	0.000	8.018f	0	3914	N.D.	0.293	#
33)	Chlordane...	7.699f	0.000	4549	0	0.235	N.D.	#
34)	Chlordane...	0.000	8.764	0	3669	N.D.	1.028	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
37)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
39)	Toxaphene...	8.483f	8.764	5114	3669	1.453	1.102	
40)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
41)	Toxaphene...	8.811	0.000	2238	0	0.710	N.D.	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

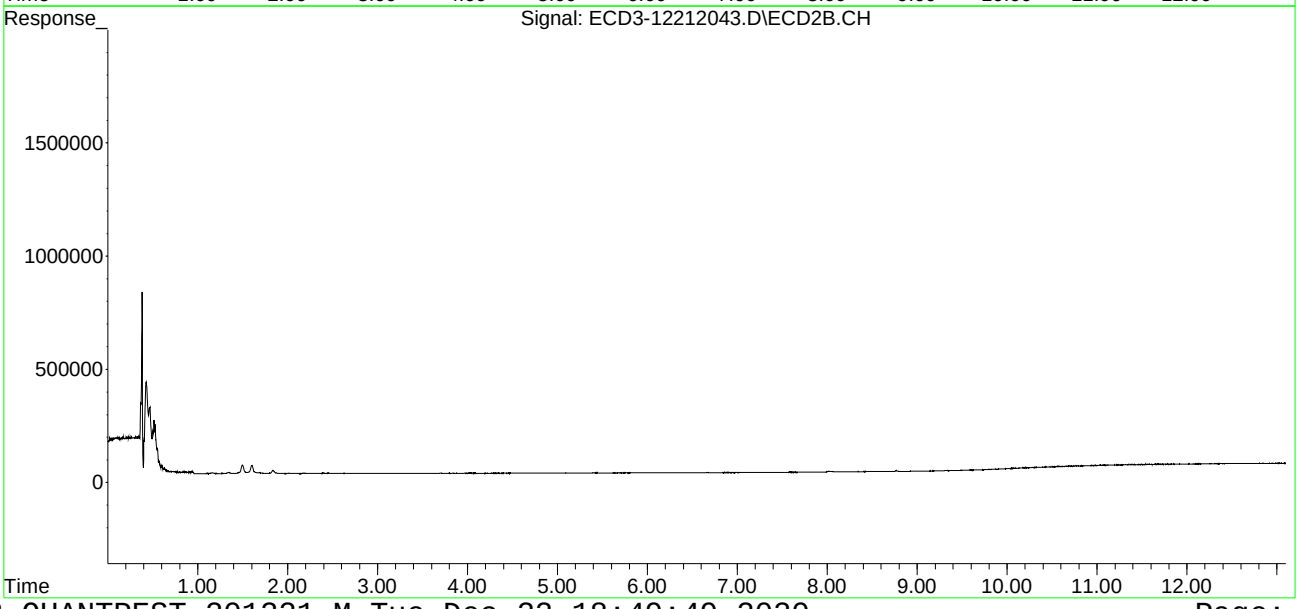
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212043.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Dec 2020 3:26
Operator : MJB
Sample : 0L21060-IBL4
Misc : Instrument Blank
ALS Vial : 1 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 18:49:47 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212044.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Dec 2020 3:43
Operator : MJB
Sample : 0L21060-ICV4 MJB 12/22/20
Misc : A20K265, TOX 500 ppb
ALS Vial : 39 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 18:49:54 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	0.000	0.000	0	0	N.D.	N.D.	
22)	S	DCBP (S)	9.753	10.354f	25695	15983	0.049	0.056	
		Target Compounds							
2)		a-BHC	0.000	6.466	0	6721	N.D.	0.045	#
3)		g-BHC	6.375	6.772	6075	12496	0.029	0.096	#
4)		b-BHC	6.467	6.860	4013	8095	9545.048	2944.330	#
5)		Heptachlor	6.783	7.165	17283	23895	0.088	0.196	#
6)		d-BHC	6.611	7.100	10164	22907	0.052	0.194	#
7)		Aldrin	7.020	7.417	47206	32502	0.233	0.260	
8)		Heptachlo...	7.490	7.850	152423	165515	0.742	1.396	#
9)		trans-Chl...	7.602	7.992	339190	138593	1.817	1.106	
10)		cis-Chlor...	7.658f	8.127f	402215	211107	2.200	1.863	
11)		Endosulfa...	7.784	8.159	528674	244694	3.206	2.405	
12)		4,4'-DDE	7.737	8.219	218376	298196	1.185	2.647	#
13)		Dieldrin	7.953	8.366	798717	304264	4.341	2.716	
14)		Endrin	8.135	8.567	1063551	512116	7.744	6.288	
15)		4,4'-DDD	8.149	8.621	964470	343285	6.725	3.908	#
16)		Endosulfa...	8.272	8.706	1597608	922582	11.314	10.599	
17)		4,4'-DDT	8.357	8.834	1454628	377475	11.469	5.219	#
18)		Endrin Al...	8.597	8.953	1008123	923876	8.099	12.895	#
19)		Endosulfa...	8.877	9.146	628296	378134	4.819	5.097	
20)		Methoxychlor	8.667	9.324	953437	915423	16.144	26.428	#
21)		Endrin Ke...	9.110f	9.567f	192219	181550	1.372	2.213	#
23)		Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)		Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
25)		Oxychlordane	7.413	7.798	298643	172255	1.838	1.641	
26)		2,4'-DDE	7.490	7.974	152423	187145	1.140	2.400	#
27)		trans-Non...	7.658	8.081	402215	212945	2.198	1.862	
28)		2,4'-DDD	7.875	8.366	575509	304264	5.597	4.716	
29)		2,4'-DDT	8.018	8.567	847881	512116	8.914	9.185	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212044.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Dec 2020 3:43
Operator : MJB
Sample : 0L21060-ICV4
Misc : A20K265, TOX 500 ppb
ALS Vial : 39 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

FRONT COLUMN: 473.84
REAR COLUMN: 459.94

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 18:49:54 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

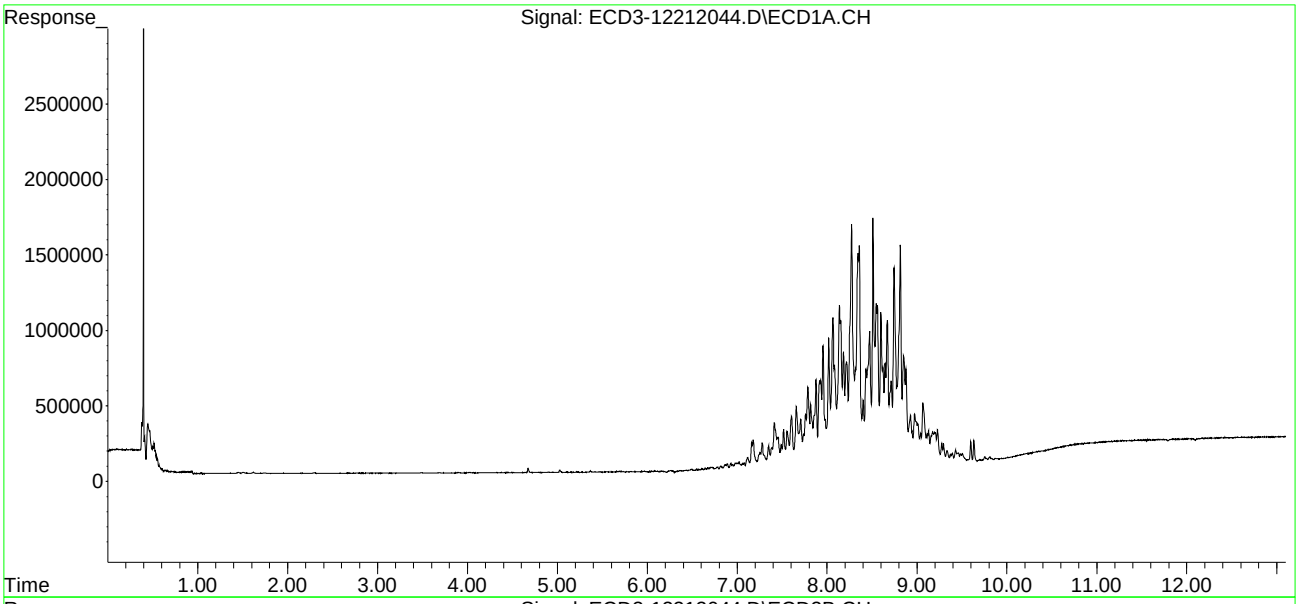
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.135	8.621	1063551	343285	5.864	2.998	#
31)	Mirex	8.813	9.492f	1451357	202017	13.483	2.874	#
32)	Chlordane...	7.555f	7.992	239752	138593	11.774	10.364	
33)	Chlordane...	7.658	8.081	402215	212945	20.734	18.878	
34)	Chlordane...	8.215	8.774	684579	1534241	113.743	429.974	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.658	8.325	402215	561612	498.004	454.169	
37)	Toxaphene...	7.953	8.675	798717	646015	470.557	460.066	
38)	Toxaphene...	8.272	8.706	1597608	922582	471.019	459.790	
39)	Toxaphene...	8.510	8.774	1632408	1534241	463.730	460.924	
40)	Toxaphene...	8.743	8.953	1300191	923876	479.502	473.879	
41)	Toxaphene...	8.813	9.324	1451357	915423	460.248	450.789	
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

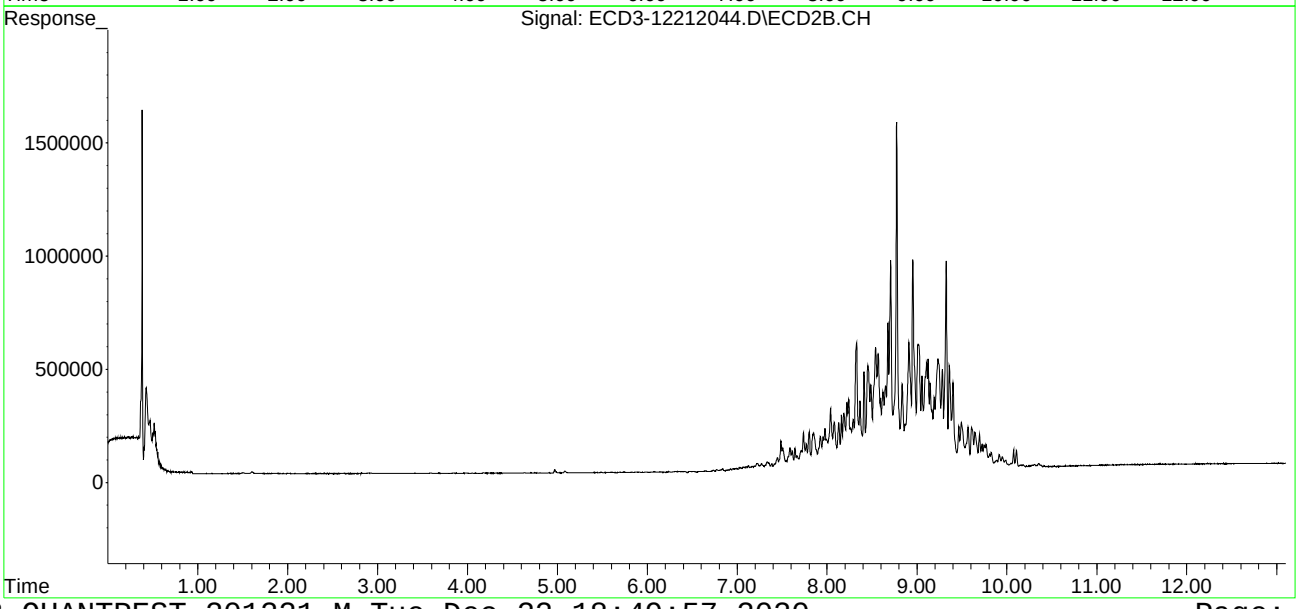
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212044.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Dec 2020 3:43
Operator : MJB
Sample : 0L21060-ICV4
Misc : A20K265, TOX 500 ppb
ALS Vial : 39 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 18:49:54 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212005.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 16:36
Operator : MJB
Sample : 0L21060-CAL1 MJB 12/22/20
Misc : A20L362, AB 0.5 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:18:53 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.547	5.879	106804	69896	0.576	0.478	
22) S	DCBP (S)	9.759	10.387	71910	40721	0.467	0.461	
	Target Compounds							
2)	a-BHC	6.098	6.474	123632	81401	0.520	0.550	
3)	g-BHC	6.383	6.789	110605	73725	0.529	0.567	
4)	b-BHC	6.462	6.856	58698	38610	0.470	0.466	
5)	Heptachlor	6.781	7.163	110990	72051	0.567	0.592	
6)	d-BHC	6.614	7.104	98547	61251	0.505	0.519	
7)	Aldrin	7.023	7.425	109544	70373	0.541	0.563	
8)	Heptachlo...	7.494	7.861	107199	65969	0.477	0.477	
9)	trans-Chl...	7.585	8.001	108457	69803	0.581	0.478	
10)	cis-Chlor...	7.683	8.108	112144	66856	0.484	0.477	
11)	Endosulfa...	7.787	8.157	94779	58689	0.575	0.577	
12)	4,4'-DDE	7.733	8.212	99213	62502	0.538	0.555	
13)	Dieldrin	7.960	8.356	100761	63396	0.548	0.566	
14)	Endrin	8.129	8.578	71271	43990	0.519	0.540	
15)	4,4'-DDD	8.162	8.626	73055	47491	0.509	0.541	
16)	Endosulfa...	8.290	8.726	79437	50941	0.563	0.585	
17)	4,4'-DDT	8.359	8.850	64551	36680	0.509	0.507	
18)	Endrin Al...	8.586	8.961	91818	59099	0.086	0.117	
19)	Endosulfa...	8.890	9.155	78338	41196	0.601	0.555	
20)	Methoxychlor	8.689	9.317	35149	20917	0.456	0.459	
21)	Endrin Ke...	9.091	9.544	78735	48832	0.562	0.595	
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
25)	Oxychlordane	0.000	0.000	0	0	N.D.	N.D.	
26)	2,4'-DDE	7.494	8.001	107199	69803	0.739	0.752	
27)	trans-Non...	7.683f	0.000	112144	0	0.457	N.D.	#
28)	2,4'-DDD	0.000	8.356	0	63396	N.D.	0.776	#
29)	2,4'-DDT	0.000	8.578	0	43990	N.D.	0.567	#

Not used in Cal.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212005.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 16:36
Operator : MJB
Sample : 0L21060-CAL1
Misc : A20L362, AB 0.5 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:18:53 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

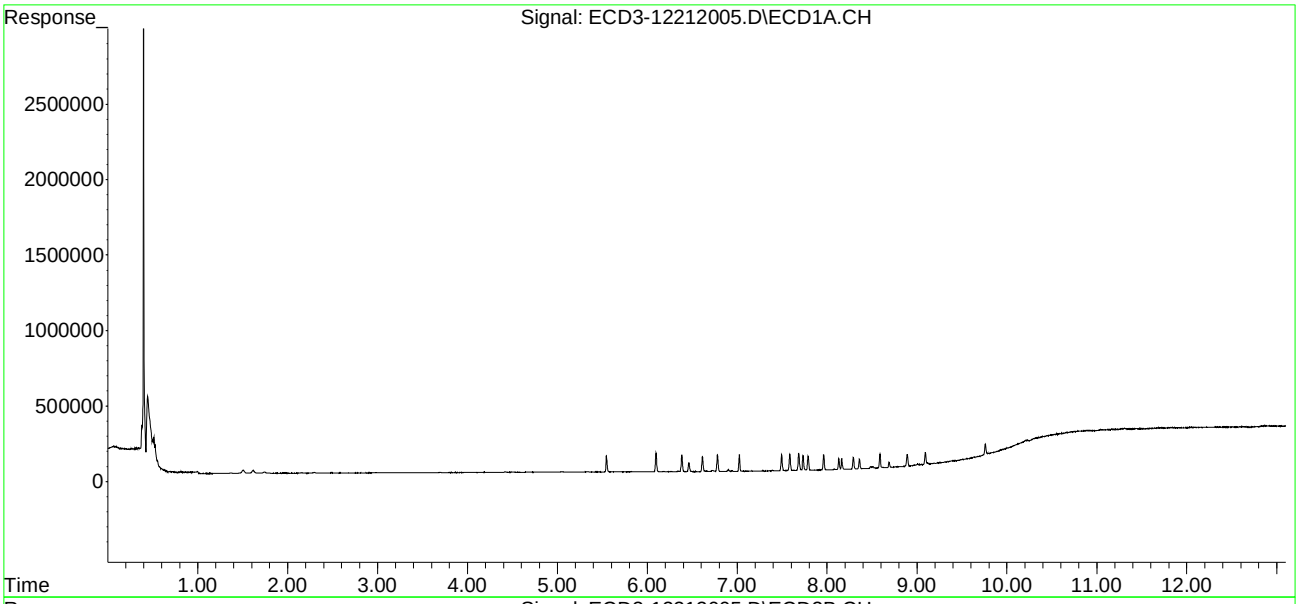
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.129	8.626	71271	47491	0.203	0.197	
31)	Mirex	0.000	9.544	0	48832	N.D.	0.417	#
32)	Chlordane...	7.585	8.001	108457	69803	5.326	5.220	
33)	Chlordane...	7.683	8.108	112144	66856	5.781	5.927	
34)	Chlordane...	0.000	8.766	0	7527	N.D.	2.110	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.683f	8.356f	112144	63396	138.852	51.268	#
37)	Toxaphene...	7.960	0.000	100761	0	56.155	N.D.	#
38)	Toxaphene...	8.290	8.726	79437	50941	23.420	25.388	
39)	Toxaphene...	8.507	8.766	11176	7527	3.175	2.261	
40)	Toxaphene...	0.000	8.961	0	59099	N.D.	27.788	#
41)	Toxaphene...	0.000	9.317	0	20917	N.D.	10.300	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

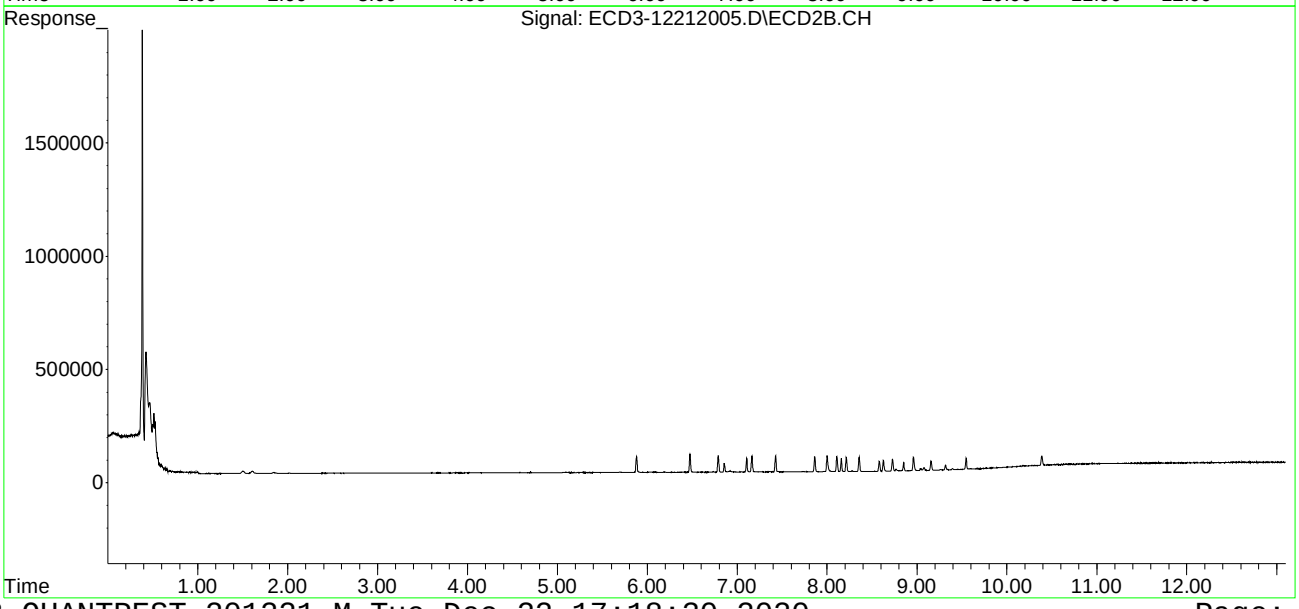
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212005.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 16:36
Operator : MJB
Sample : 0L21060-CAL1
Misc : A20L362, AB 0.5 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:18:53 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212006.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 16:54
Operator : MJB
Sample : 0L21060-CAL2 MJB 12/22/20
Misc : A20L363, AB 1 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:21:19 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.548	5.880	210631	136219	1.136	1.087	
22) S	DCBP (S)	9.759	10.387	145333	81945	1.130	1.135	
	Target Compounds							
2)	a-BHC	6.098	6.474	253305	164991	1.065	1.115	
3)	g-BHC	6.384	6.789	229798	146018	1.100	1.123	
4)	b-BHC	6.462	6.856	114956	75066	1.101	1.108	
5)	Heptachlor	6.781	7.163	223360	139266	1.142	1.145	
6)	d-BHC	6.613	7.104	204395	126818	1.046	1.074	
7)	Aldrin	7.023	7.425	226687	144612	1.119	1.157	
8)	Heptachlo...	7.494	7.862	211454	131870	1.088	1.085	
9)	trans-Chl...	7.584	8.001	212567	136622	1.139	1.088	
10)	cis-Chlor...	7.683	8.108	208537	131123	1.054	1.094	
11)	Endosulfa...	7.787	8.157	188407	117365	1.143	1.154	
12)	4,4'-DDE	7.733	8.212	201100	124027	1.091	1.101	
13)	Dieldrin	7.960	8.356	204239	125828	1.110	1.123	
14)	Endrin	8.129	8.579	145244	86522	1.058	1.062	
15)	4,4'-DDD	8.163	8.625	154035	98120	1.074	1.117	
16)	Endosulfa...	8.290	8.726	160966	100502	1.140	1.155	
17)	4,4'-DDT	8.359	8.851	137686	79614	1.086	1.101	
18)	Endrin Al...	8.586	8.961	191749	116163	0.962	0.963	
19)	Endosulfa...	8.891	9.155	146643	82987	1.125	1.119	
20)	Methoxychlor	8.689	9.316	77813	44928	1.188	1.167	
21)	Endrin Ke...	9.091	9.544	157448	91802	1.124	1.119	
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
25)	Oxychlordane	0.000	0.000	0	0	N.D.	N.D.	
26)	2,4'-DDE	7.494	8.001	211454	136622	1.664	1.690	
27)	trans-Non...	7.683f	0.000	208537	0	1.036	N.D.	#
28)	2,4'-DDD	0.000	8.356	0	125828	N.D.	1.797	#
29)	2,4'-DDT	0.000	8.579	0	86522	N.D.	1.356	#

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212006.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 16:54
Operator : MJB
Sample : 0L21060-CAL2
Misc : A20L363, AB 1 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:21:19 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

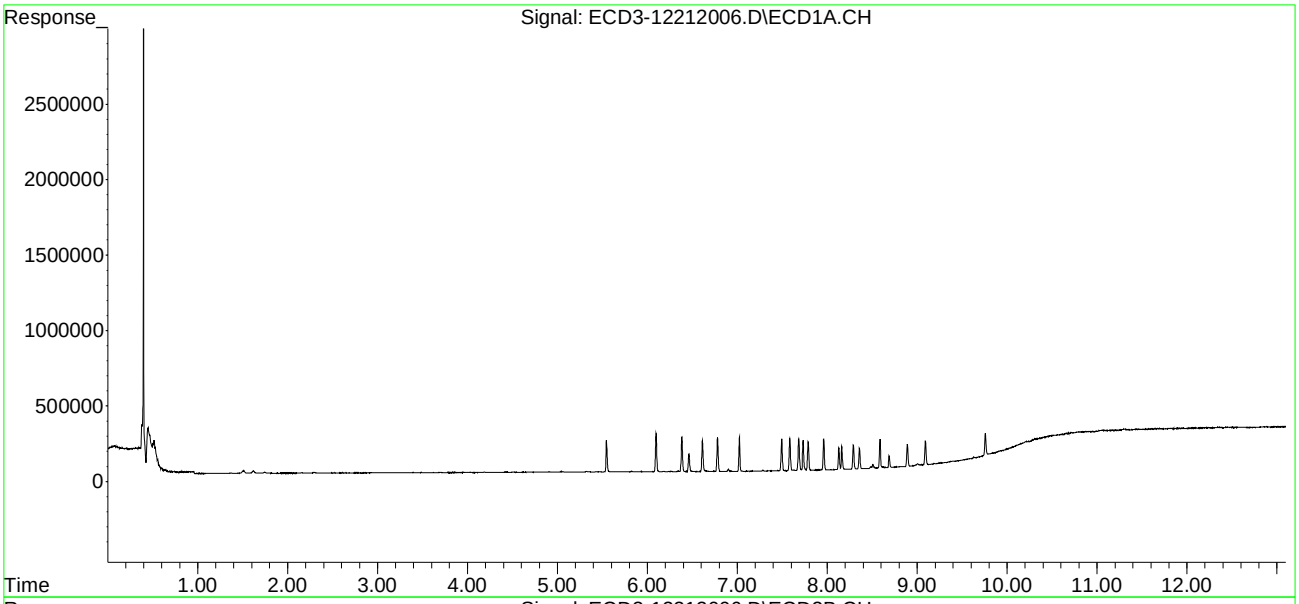
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.129	8.625	145244	98120	0.626	0.676	
31)	Mirex	0.000	9.544	0	91802	N.D.	1.106	#
32)	Chlordane...	7.584	8.001	212567	136622	10.439	10.216	
33)	Chlordane...	7.683	8.108	208537	131123	10.750	11.624	
34)	Chlordane...	0.000	8.766	0	6471	N.D.	1.814	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.683f	8.356f	208537	125828	258.201	101.755	#
37)	Toxaphene...	7.960	0.000	204239	0	116.416	N.D.	#
38)	Toxaphene...	8.290	8.726	160966	100502	47.457	50.087	
39)	Toxaphene...	8.509	8.766	27790	6471	7.894	1.944	#
40)	Toxaphene...	0.000	8.961	0	116163	N.D.	57.378	#
41)	Toxaphene...	0.000	9.316	0	44928	N.D.	22.124	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

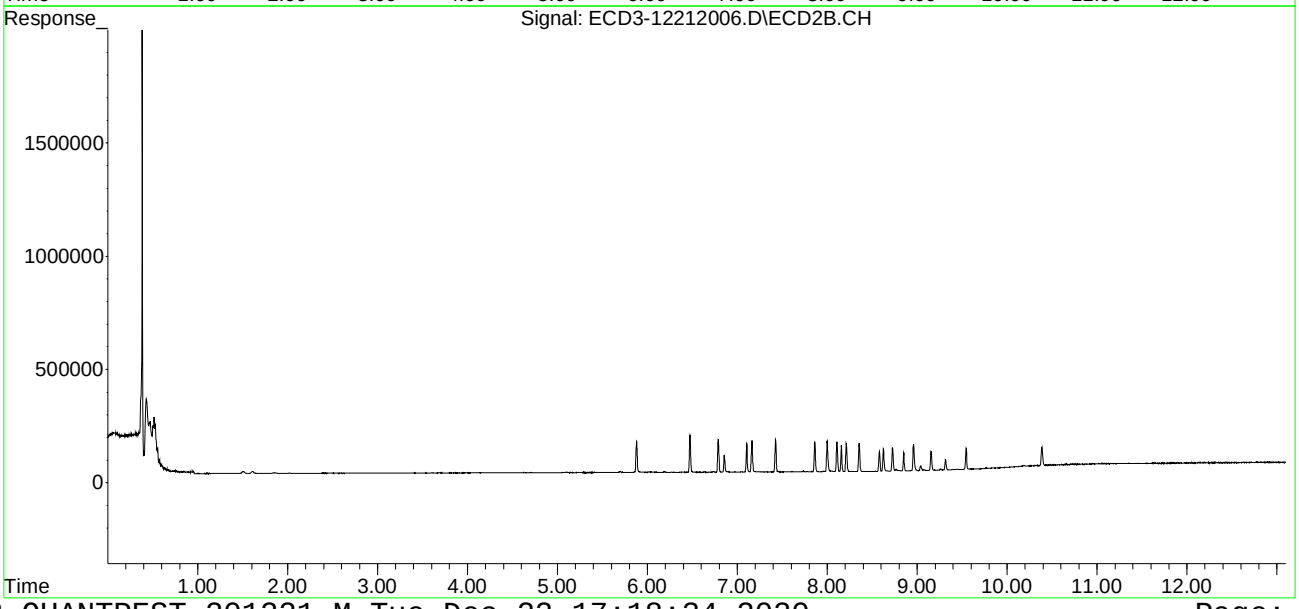
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212006.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 16:54
Operator : MJB
Sample : 0L21060-CAL2
Misc : A20L363, AB 1 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:21:19 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212007.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 17:11
Operator : MJB
Sample : 0L21060-CAL3 MJB 12/22/20
Misc : A20H471, AB 2 ppb
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:21:35 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	5.546	5.879	379340	236182	2.046	2.005
22) S	DCBP (S)	9.758	10.386	244541	141574	2.026	2.112
	Target Compounds						
2)	a-BHC	6.097	6.473	472403	300696	1.985	2.032
3)	g-BHC	6.383	6.788	416735	266778	1.994	2.051
4)	b-BHC	6.461	6.855	202120	132391	2.079	2.118
5)	Heptachlor	6.781	7.161	397591	245242	2.033	2.016
6)	d-BHC	6.612	7.103	380106	234170	1.946	1.983
7)	Aldrin	7.022	7.425	409925	254996	2.023	2.041
8)	Heptachlo...	7.493	7.860	369527	234828	2.015	2.036
9)	trans-Chl...	7.584	8.000	377617	237657	2.023	2.011
10)	cis-Chlor...	7.682	8.107	373540	225561	2.031	2.001
11)	Endosulfa...	7.786	8.156	337378	209769	2.046	2.062
12)	4,4'-DDE	7.732	8.211	362455	224194	1.966	1.990
13)	Dieldrin	7.959	8.355	368744	223773	2.004	1.997
14)	Endrin	8.128	8.577	277648	164932	2.022	2.025
15)	4,4'-DDD	8.162	8.625	284069	172469	1.981	1.963
16)	Endosulfa...	8.289	8.725	284278	176398	2.013	2.026
17)	4,4'-DDT	8.358	8.849	240650	136258	1.897	1.884
18)	Endrin Al...	8.585	8.960	329887	197635	2.172	2.170
19)	Endosulfa...	8.890	9.155	254744	145866	1.954	1.966
20)	Methoxychlor	8.688	9.315	126015	74517	2.014	2.040
21)	Endrin Ke...	9.091	9.544	272710	157023	1.947	1.914
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
25)	Oxychlordane	0.000	0.000	0	0	N.D.	N.D.
26)	2,4'-DDE	7.493	8.000	369527	237657	3.068	3.109
27)	trans-Non...	7.682	8.051	373540	4034	2.026	74602.273 #
28)	2,4'-DDD	0.000	8.355	0	223773	N.D.	3.399 #
29)	2,4'-DDT	0.000	8.577	0	164932	N.D.	2.807 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212007.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 17:11
Operator : MJB
Sample : 0L21060-CAL3
Misc : A20H471, AB 2 ppb
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:21:35 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

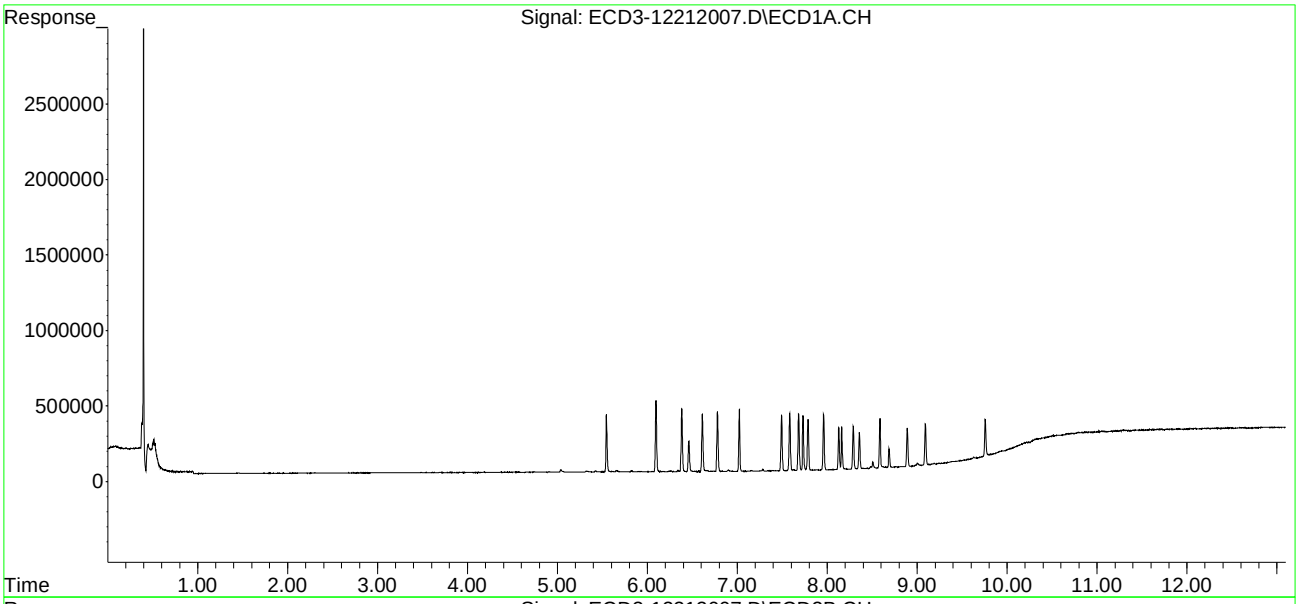
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.128	8.625	277648	172469	1.382	1.380	
31)	Mirex	8.838f	9.544	3076	157023	BelowCal	2.152	
32)	Chlordane...	7.584	8.000	377617	237657	18.544	17.771	
33)	Chlordane...	7.682	8.107	373540	225561	19.256	19.996	
34)	Chlordane...	0.000	8.764	0	8117	N.D.	2.275	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.682f	8.355f	373540	223773	462.501	180.963	#
37)	Toxaphene...	7.959	0.000	368744	0	212.872	N.D.	#
38)	Toxaphene...	8.289	8.725	284278	176398	83.813	87.912	
39)	Toxaphene...	8.507	8.764	44294	8117	12.583	2.439	#
40)	Toxaphene...	8.765f	8.960	4392	197635	1.620	99.587	#
41)	Toxaphene...	8.838f	9.315	3076	74517	0.975	36.695	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

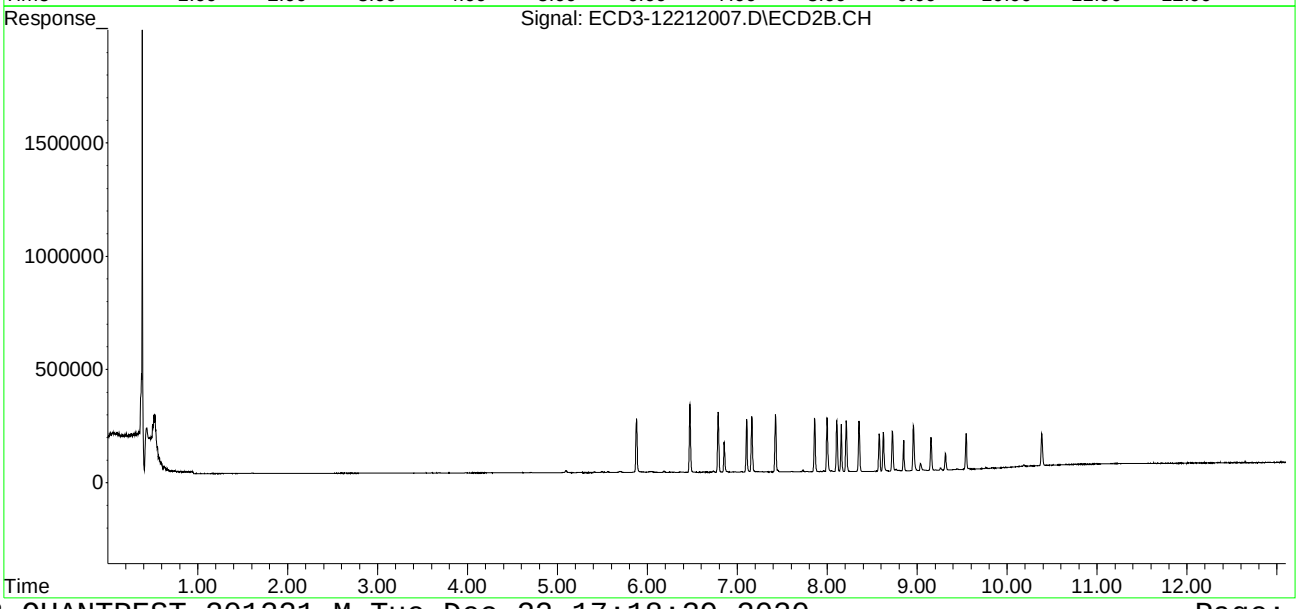
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212007.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 17:11
Operator : MJB
Sample : 0L21060-CAL3
Misc : A20H471, AB 2 ppb
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:21:35 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212008.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 17:28
Operator : MJB
Sample : 0L21060-CAL4
Misc : A20H472, AB 5 ppb
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 12/22/20

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:21:52 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	5.546	5.878	904595	565071	4.880	5.027
22) S	DCBP (S)	9.757	10.385	572487	313405	4.993	4.928
	Target Compounds						
2)	a-BHC	6.096	6.473	1156526	720345	4.860	4.867
3)	g-BHC	6.382	6.788	1012839	631804	4.846	4.858
4)	b-BHC	6.460	6.854	469621	297509	5.081	5.030
5)	Heptachlor	6.780	7.161	941769	580816	4.815	4.774
6)	d-BHC	6.611	7.102	934361	562100	4.784	4.760
7)	Aldrin	7.022	7.424	1008006	613274	4.974	4.908
8)	Heptachlo...	7.492	7.859	881277	551153	5.014	4.959
9)	trans-Chl...	7.583	7.999	885009	557243	4.742	4.932
10)	cis-Chlor...	7.681	8.107	890255	525455	5.087	4.884
11)	Endosulfa...	7.785	8.155	823358	488714	4.993	4.804
12)	4,4'-DDE	7.731	8.210	895827	530738	4.859	4.712
13)	Dieldrin	7.958	8.354	899662	537969	4.890	4.802
14)	Endrin	8.127	8.577	668190	393436	4.865	4.831
15)	4,4'-DDD	8.161	8.624	684789	418915	4.775	4.769
16)	Endosulfa...	8.288	8.724	678457	411225	4.805	4.724
17)	4,4'-DDT	8.357	8.848	583993	329138	4.605	4.550
18)	Endrin Al...	8.584	8.959	636014	382029	4.849	4.899
19)	Endosulfa...	8.889	9.153	606997	342781	4.656	4.621
20)	Methoxychlor	8.687	9.314	285264	167014	4.743	4.760
21)	Endrin Ke...	9.089	9.542	647516	376214	4.623	4.586
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.
24)	Hexachlor...	5.934	0.000	5570	0	BelowCal	N.D.
25)	Oxychlordane	7.424	7.776	5276	4817	BelowCal	24475.463
26)	2,4'-DDE	7.492	7.999	881277	557243	7.619	7.601
27)	trans-Non...	7.681	8.050	890255	7505	5.127	74602.238 #
28)	2,4'-DDD	0.000	8.354	0	537969	N.D.	8.539 #
29)	2,4'-DDT	0.000	8.577	0	393436	N.D.	7.013 #

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212008.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 17:28
Operator : MJB
Sample : 0L21060-CAL4
Misc : A20H472, AB 5 ppb
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:21:52 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

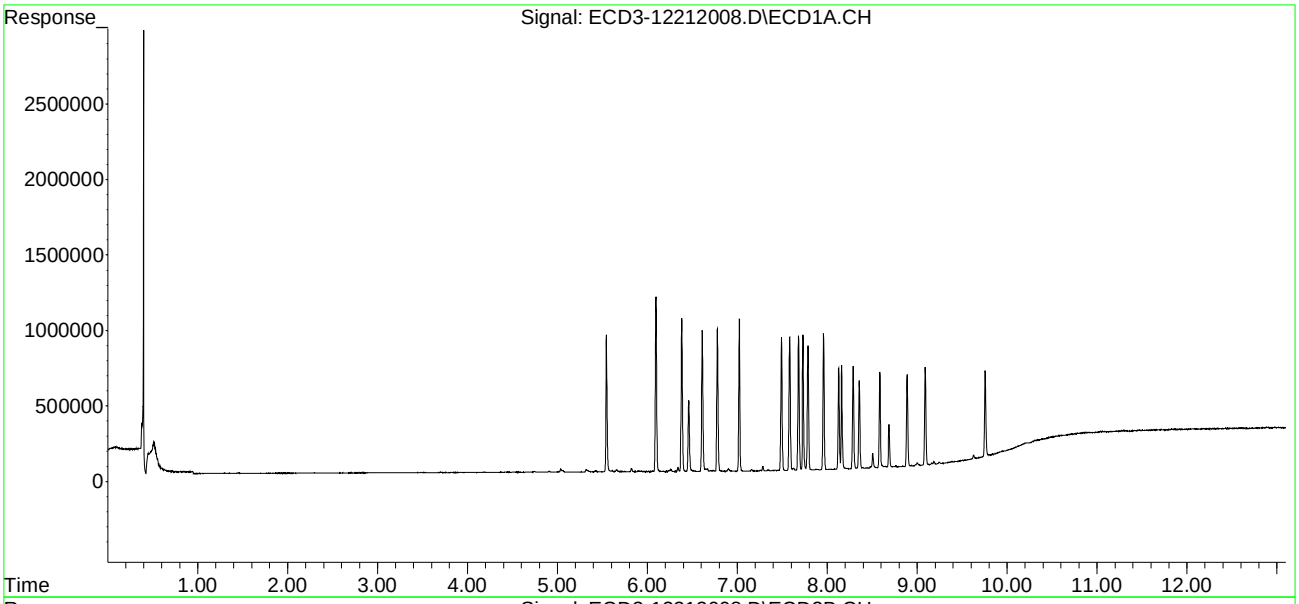
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.127	8.624	668190	418915	3.610	3.714	
31)	Mirex	8.840f	9.542	4617	376214	BelowCal	5.668	
32)	Chlordane...	7.583	7.999	885009	557243	43.461	41.669	
33)	Chlordane...	7.681	8.107	890255	525455	45.893	46.582	
34)	Chlordane...	0.000	8.762	0	9875	N.D.	2.768	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.681f	8.354f	890255	537969	1102.274	435.049	#
37)	Toxaphene...	7.958	8.663	899662	7464	529.889	5.315	#
38)	Toxaphene...	8.288	8.724	678457	411225	200.028	204.943	
39)	Toxaphene...	8.506	8.762	98266	9875	27.915	2.967	#
40)	Toxaphene...	8.738	8.959	5549	382029	2.046	194.952	#
41)	Toxaphene...	8.840f	9.314	4617	167014	1.464	82.244	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

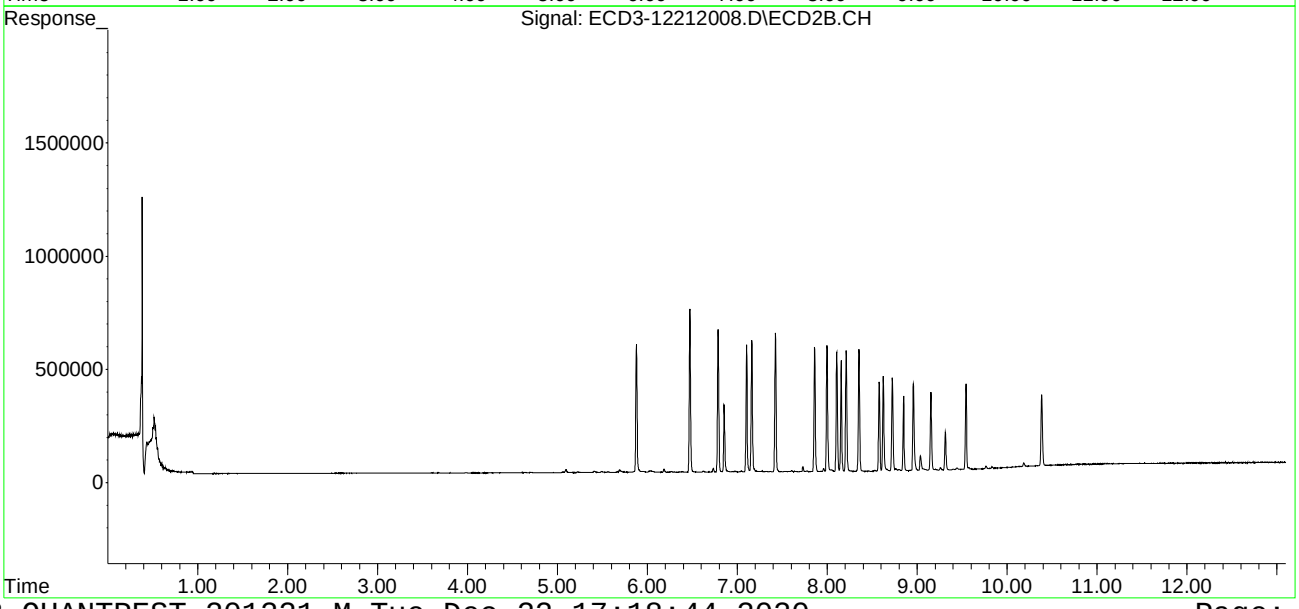
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212008.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 17:28
Operator : MJB
Sample : 0L21060-CAL4
Misc : A20H472, AB 5 ppb
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:21:52 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212009.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 17:45
Operator : MJB
Sample : 0L21060-CAL5 MJB 12/22/20
Misc : A20H473, AB 10 ppb
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:22:04 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.547	5.879	1811285	1100034	9.770	9.955	
22) S	DCBP (S)	9.758	10.386	1119603	610730	9.951	9.816	
	Target Compounds							
2)	a-BHC	6.097	6.473	2345272	1472236	9.856	9.948	
3)	g-BHC	6.383	6.789	2058709	1267705	9.851	9.748	
4)	b-BHC	6.461	6.855	899177	570534	9.905	9.857	
5)	Heptachlor	6.781	7.161	1884252	1162531	9.634	9.555	
6)	d-BHC	6.612	7.103	1932007	1150262	9.892	9.741	
7)	Aldrin	7.023	7.425	1977797	1226388	9.759	9.814	
8)	Heptachlo...	7.492	7.860	1751300	1100756	10.114	10.051	
9)	trans-Chl...	7.584	8.000	1801581	1106023	9.653	9.954	
10)	cis-Chlor...	7.682	8.107	1769460	1071482	10.281	10.142	
11)	Endosulfa...	7.786	8.156	1599068	964804	9.698	9.484	
12)	4,4'-DDE	7.732	8.211	1796325	1109448	9.744	9.849	
13)	Dieldrin	7.959	8.355	1798355	1087832	9.774	9.710	
14)	Endrin	8.128	8.577	1329488	769861	9.681	9.453	
15)	4,4'-DDD	8.162	8.624	1418309	836706	9.889	9.525	
16)	Endosulfa...	8.288	8.724	1366711	823402	9.679	9.459	
17)	4,4'-DDT	8.358	8.849	1188853	670281	9.374	9.267	
18)	Endrin Al...	8.585	8.960	1249909	722132	10.207	9.922	
19)	Endosulfa...	8.890	9.154	1240722	705187	9.517	9.506	
20)	Methoxychlor	8.688	9.315	581055	339495	9.799	9.807	
21)	Endrin Ke...	9.090	9.543	1335505	765231	9.536	9.327	
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)	Hexachlor...	5.933	0.000	10737	0	BelowCal	N.D.	
25)	Oxychlordane	7.399	7.776	6470	7004	BelowCal	24475.439	
26)	2,4'-DDE	7.492	8.000	1751300	1106023	15.371	15.321	
27)	trans-Non...	7.682	8.050	1769460	13858	10.406	74602.175	#
28)	2,4'-DDD	7.876f	8.355	7736	1087832	BelowCal	17.533	
29)	2,4'-DDT	8.040	8.577	5079	769861	BelowCal	13.871	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212009.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 17:45
Operator : MJB
Sample : 0L21060-CAL5
Misc : A20H473, AB 10 ppb
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:22:04 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

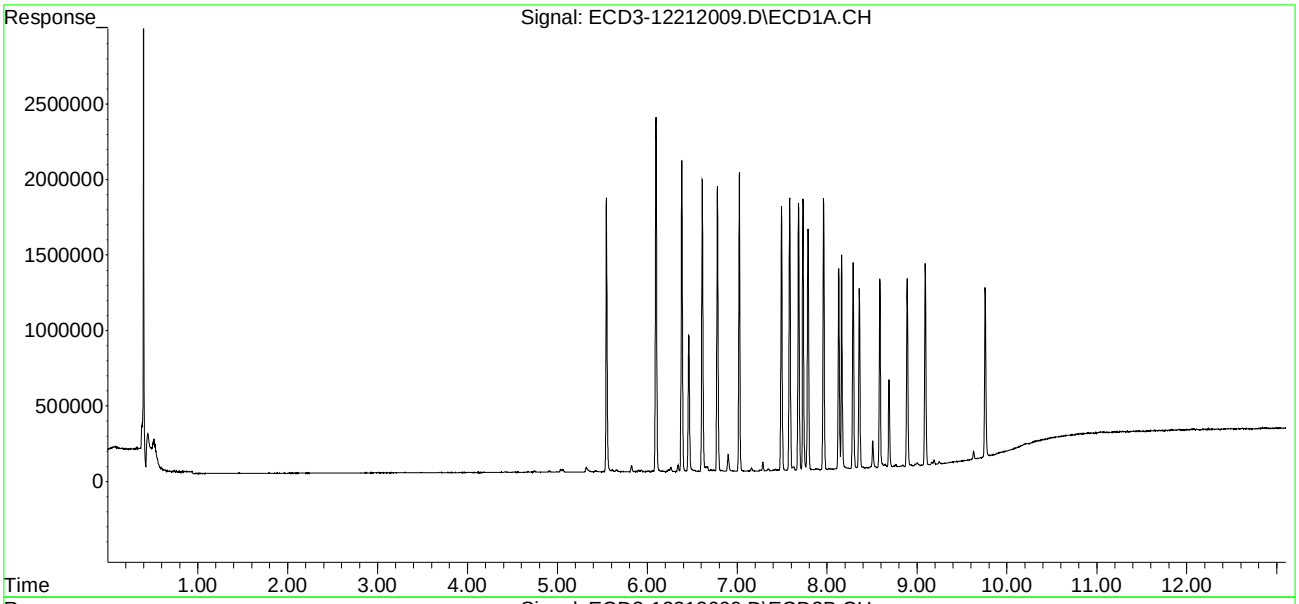
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.128	8.624	1329488	836706	7.378	7.667	
31)	Mirex	8.815	9.543	5838	765231	BelowCal	11.912	
32)	Chlordane...	7.584	8.000	1801581	1106023	88.472	82.705	
33)	Chlordane...	7.682	8.107	1769460	1071482	91.216	94.989	
34)	Chlordane...	0.000	8.762	0	11660	N.D.	3.268	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.682f	8.355f	1769460	1087832	2190.866	879.718	#
37)	Toxaphene...	7.959	8.665	1798355	11994	1088.224	8.541	#
38)	Toxaphene...	8.288	8.724	1366711	823402	402.945	410.362	
39)	Toxaphene...	8.507	8.762	181246	11660	51.488	3.503	#
40)	Toxaphene...	8.740	8.960	9183	722132	3.386	370.254	#
41)	Toxaphene...	8.815	9.315	5838	339495	1.851	167.180	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

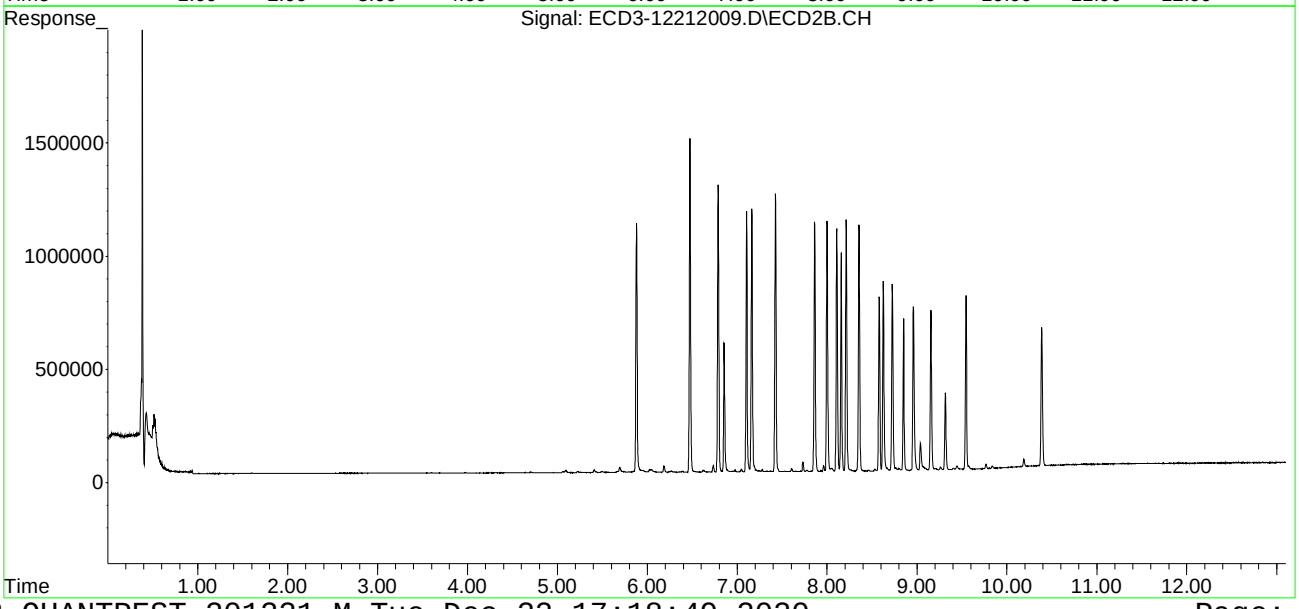
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212009.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 17:45
Operator : MJB
Sample : 0L21060-CAL5
Misc : A20H473, AB 10 ppb
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:22:04 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212010.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 18:02
Operator : MJB
Sample : 0L21060-CAL6 MJB 12/22/20
Misc : A20H474, AB 25 ppb
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:22:14 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.546	5.878	4292327	2659552	23.154	24.402	
22) S	DCBP (S)	9.757	10.385	2702227	1484236	24.361	24.279	
	Target Compounds							
2)	a-BHC	6.096	6.472	5791909	3584105	24.341	24.217	
3)	g-BHC	6.382	6.788	4982912	3138001	23.843	24.131	
4)	b-BHC	6.460	6.854	2162195	1356700	24.120	23.848	
5)	Heptachlor	6.780	7.161	4569863	2896895	23.365	23.810	
6)	d-BHC	6.611	7.101	4741415	2898456	24.276	24.545	
7)	Aldrin	7.022	7.424	4788242	2950091	23.626	23.607	
8)	Heptachlo...	7.491	7.859	4116354	2635629	23.984	24.347	
9)	trans-Chl...	7.582	7.999	4394514	2681959	23.546	24.415	
10)	cis-Chlor...	7.681	8.107	4136984	2543108	24.230	24.375	
11)	Endosulfa...	7.785	8.155	3810530	2388953	23.110	23.482	
12)	4,4'-DDE	7.731	8.210	4407331	2693066	23.907	23.907	
13)	Dieldrin	7.958	8.354	4302986	2644007	23.387	23.600	
14)	Endrin	8.128	8.577	3302742	2002879	24.049	24.593	
15)	4,4'-DDD	8.161	8.623	3443204	2105719	24.007	23.972	
16)	Endosulfa...	8.288	8.724	3295995	2043625	23.342	23.477	
17)	4,4'-DDT	8.358	8.849	3129501	1778326	24.675	24.585	
18)	Endrin Al...	8.584	8.959	2950793	1756193	24.968	25.108	
19)	Endosulfa...	8.890	9.154	3111187	1762729	23.864	23.761	
20)	Methoxychlor	8.687	9.315	1467297	855313	24.862	24.710	
21)	Endrin Ke...	9.089	9.543	3284163	1949329	23.449	23.760	
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)	Hexachlor...	5.932	0.000	22354	0	BelowCal	N.D.	
25)	Oxychlordane	7.399	7.773	12234	11097	BelowCal	24475.393	
26)	2,4'-DDE	7.491	7.999	4116354	2681959	36.550	37.553	
27)	trans-Non...	7.681	8.050	4136984	25768	24.628	0.002	#
28)	2,4'-DDD	7.874	8.354	14772	2644007	BelowCal	42.973	
29)	2,4'-DDT	8.040	8.577	13074	2002879	BelowCal	35.745	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212010.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 18:02
Operator : MJB
Sample : 0L21060-CAL6
Misc : A20H474, AB 25 ppb
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:22:14 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

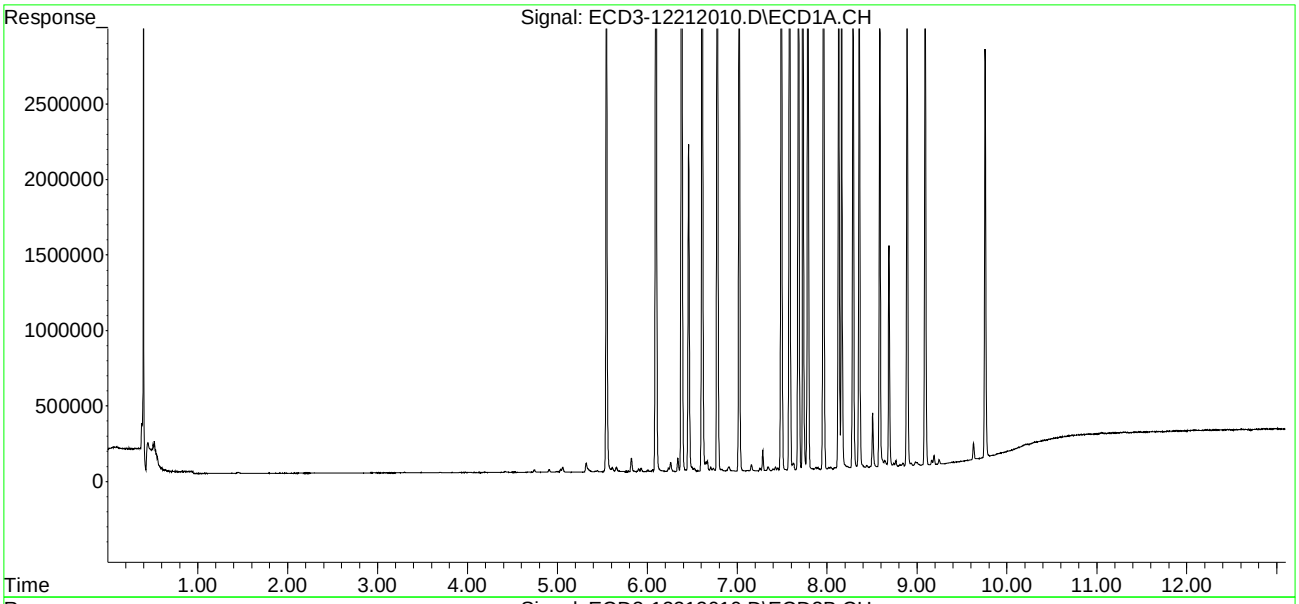
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.128	8.623	3302742	2105719	18.576	19.651	
31)	Mirex	8.814	9.543	9831	1949329	BelowCal	30.951	
32)	Chlordane...	7.582	7.999	4394514	2681959	215.806	200.549	
33)	Chlordane...	7.681	8.107	4136984	2543108	213.262	225.451	
34)	Chlordane...	0.000	8.724f	0	2043625	N.D.	572.730	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.681f	8.354f	4136984	2644007	5122.228	2138.179	#
37)	Toxaphene...	7.958	0.000	4302986	0	2829.388	N.D.	#
38)	Toxaphene...	8.288	8.724	3295995	2043625	971.751	1018.488	
39)	Toxaphene...	8.506	8.800f	361721	19240	102.757	5.780	#
40)	Toxaphene...	8.740	8.959	21841	1756193	8.055	898.605	#
41)	Toxaphene...	8.814	9.315	9831	855313	3.118	421.188	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

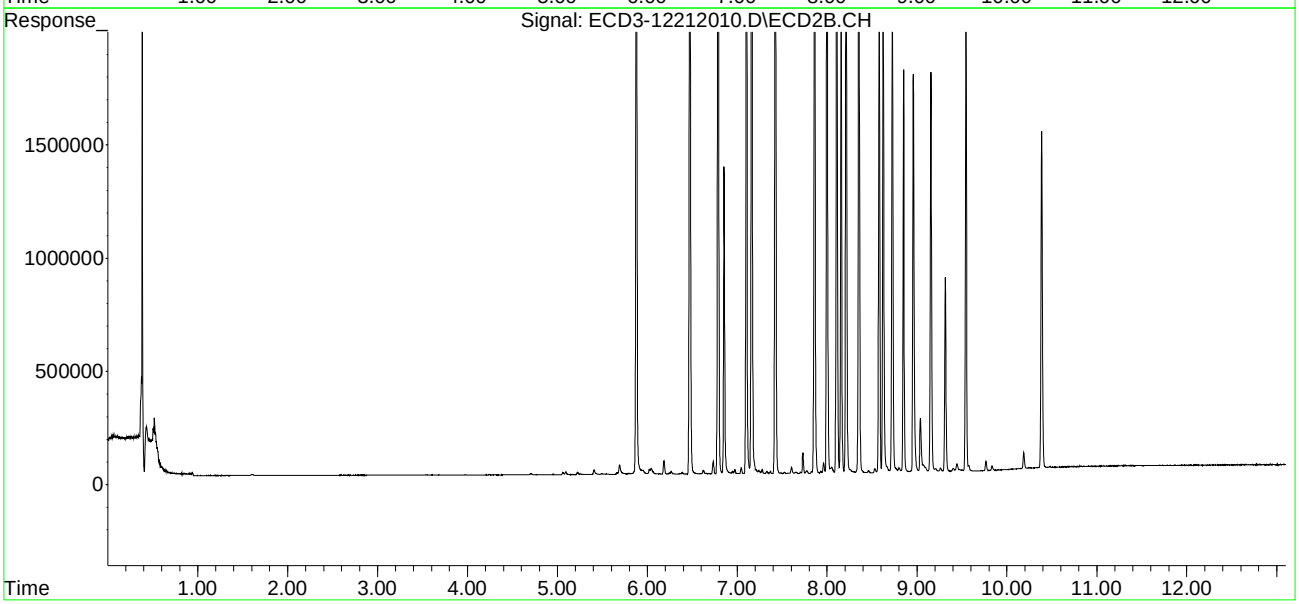
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212010.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 18:02
Operator : MJB
Sample : 0L21060-CAL6
Misc : A20H474, AB 25 ppb
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:22:14 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212011.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 18:19
Operator : MJB
Sample : 0L21060-CAL7
Misc : A20L216, AB 50 ppb
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 12/22/20

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:22:22 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.546	5.878	8449727	5182990	45.580	48.037	
22) S	DCBP (S)	9.757	10.385	5300663	2850133	48.242	47.209	
	Target Compounds							
2)	a-BHC	6.097	6.473	11089195	6967464	46.602	47.078	
3)	g-BHC	6.382	6.787	9727393	5996365	46.546	46.111	
4)	b-BHC	6.460	6.854	4154336	2649214	46.626	47.148	
5)	Heptachlor	6.780	7.161	9077987	5656967	46.415	46.496	
6)	d-BHC	6.612	7.102	9465517	5804524	48.463	49.155	
7)	Aldrin	7.022	7.424	9523514	5881869	46.991	47.068	
8)	Heptachlo...	7.492	7.859	8293354	5168278	48.501	48.198	
9)	trans-Chl...	7.582	7.999	8349258	5382417	44.735	49.342	
10)	cis-Chlor...	7.681	8.106	8010309	5019443	46.936	48.538	
11)	Endosulfa...	7.785	8.155	7616651	4699799	46.193	46.197	
12)	4,4'-DDE	7.732	8.210	8868642	5433116	48.107	48.231	
13)	Dieldrin	7.958	8.354	8600411	5309375	46.744	47.390	
14)	Endrin	8.128	8.577	6516946	3797575	47.453	46.630	
15)	4,4'-DDD	8.161	8.624	6908209	4171215	48.166	47.485	
16)	Endosulfa...	8.288	8.724	6559635	4037473	46.454	46.383	
17)	4,4'-DDT	8.357	8.849	6211273	3597171	48.974	49.730	
18)	Endrin Al...	8.584	8.959	5698586	3349512	48.558	48.259	
19)	Endosulfa...	8.890	9.154	5890675	3530147	45.184	47.585	
20)	Methoxychlor	8.687	9.314	2836894	1653474	47.887	47.231	
21)	Endrin Ke...	9.089	9.542	6463726	3847274	46.151	46.894	
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)	Hexachlor...	5.933	0.000	40728	0	BelowCal	N.D.	
25)	Oxychlordane	7.398	7.766f	14869	17525	BelowCal	24475.322	
26)	2,4'-DDE	7.492	7.999	8293354	5382417	74.344	75.854	
27)	trans-Non...	7.681	8.050	8010309	36328	47.920	0.107	#
28)	2,4'-DDD	7.874	8.354	29192	5309375	0.098	86.505	#
29)	2,4'-DDT	8.039	8.577	24616	3797575	0.074	66.136	#

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212011.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 18:19
Operator : MJB
Sample : 0L21060-CAL7
Misc : A20L216, AB 50 ppb
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:22:22 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

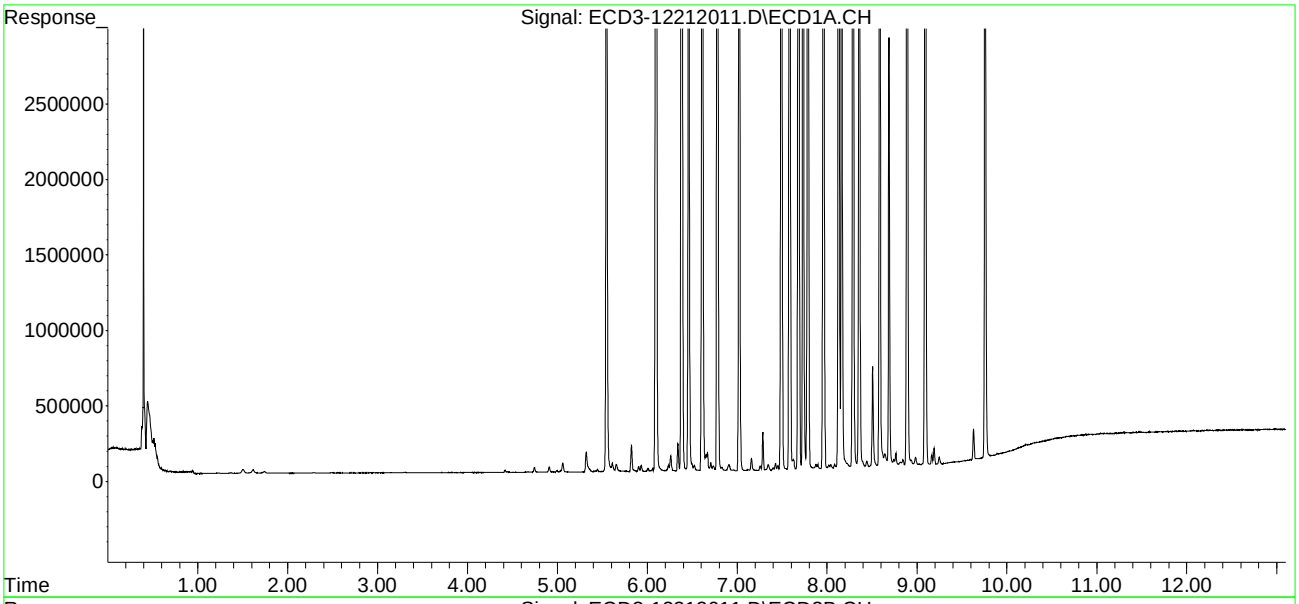
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.128	8.624	6516946	4171215	36.679	39.080	
31)	Mirex	8.813	9.542	22884	3847274	BelowCal	61.573	
32)	Chlordane...	7.582	7.999	8349258	5382417	410.016	402.481	
33)	Chlordane...	7.681	8.106	8010309	5019443	412.932	444.982	
34)	Chlordane...	0.000	8.724f	0	4037473	N.D.	1131.509	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.681f	8.354f	8010309	5309375	9918.004	4293.632	#
37)	Toxaphene...	7.958	8.662	8600411	51279	7197.133	36.519	#
38)	Toxaphene...	8.288	8.724	6559635	4037473	1933.963	2012.168	
39)	Toxaphene...	8.505	8.799f	662803	37452	188.288	11.252	#
40)	Toxaphene...	8.740	8.959	42390	3349512	15.633	1699.535	#
41)	Toxaphene...	8.813	9.314	22884	1653474	7.257	814.233	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

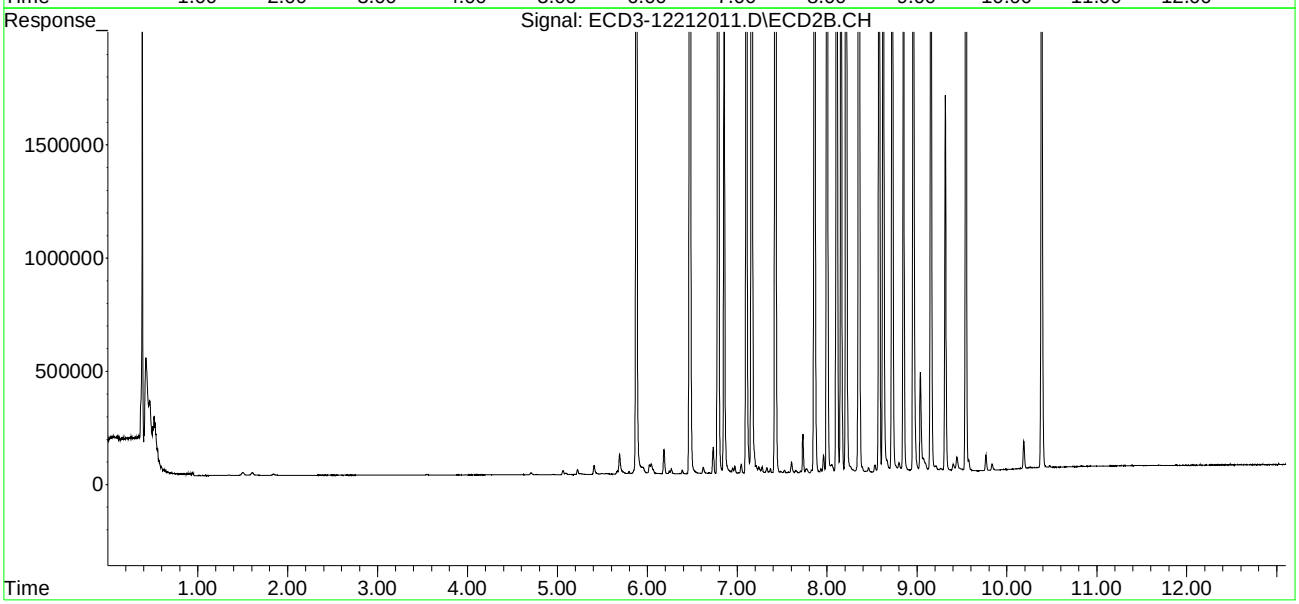
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212011.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 18:19
Operator : MJB
Sample : 0L21060-CAL7
Misc : A20L216, AB 50 ppb
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:22:22 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212012.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 18:36
Operator : MJB
Sample : 0L21060-CAL8
Misc : A20L217, AB 100 ppb
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 12/22/20

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:22:30 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.546	5.877	17488515	10672130	94.337	100.619	
22) S	DCBP (S)	9.756	10.383	10347959	5715944	95.451	96.655	
	Target Compounds							
2)	a-BHC	6.096	6.472	23716686	14036765	99.670	94.845	
3)	g-BHC	6.382	6.787	20651504	12180265	98.818	93.664	
4)	b-BHC	6.459	6.853	8743523	5389312	98.886	97.851	
5)	Heptachlor	6.780	7.160	18657959	11315813	95.397	93.008	
6)	d-BHC	6.611	7.101	19719050	11755212	100.960	99.547	
7)	Aldrin	7.022	7.423	19301740	11559819	95.239	92.504	
8)	Heptachlo...	7.491	7.859	16882522	10438810	99.000	98.928	
9)	trans-Chl...	7.582	7.998	17637351	10750693	94.501	99.455	
10)	cis-Chlor...	7.680	8.105	16946533	10255498	98.790	100.538	
11)	Endosulfa...	7.784	8.154	15091731	9528464	91.527	93.661	
12)	4,4'-DDE	7.731	8.209	17918280	10820932	97.196	96.060	
13)	Dieldrin	7.958	8.353	17597181	10778444	95.643	96.206	
14)	Endrin	8.127	8.576	13729476	8147438	99.971	100.042	
15)	4,4'-DDD	8.160	8.623	14249281	8646172	99.349	98.428	
16)	Endosulfa...	8.287	8.722	13295508	8100389	94.156	93.058	
17)	4,4'-DDT	8.356	8.847	13355733	7543458	105.305	104.287	
18)	Endrin Al...	8.583	8.958	11495865	7024087	97.343	100.561	
19)	Endosulfa...	8.888	9.152	12381150	7292544	94.969	98.301	
20)	Methoxychlor	8.687	9.313	6024815	3718887	100.355	102.808	
21)	Endrin Ke...	9.088	9.541	13879064	8059157	99.097	98.231	
23)	Hexachlor...	0.000	3.548f	0	3823	N.D.	1294.130	#
24)	Hexachlor...	5.932	0.000	72997	0	0.187	N.D.	#
25)	Oxychlordane	7.397	7.767	20350	23420	BelowCal	24475.257	
26)	2,4'-DDE	7.491	7.998	16882522	10750693	153.695	152.787	
27)	trans-Non...	7.680	8.049	16946533	56703	101.781	0.310	#
28)	2,4'-DDD	7.873	8.353	50294	10778444	0.311	175.667	#
29)	2,4'-DDT	8.038	8.576	50208	8147438	0.351	133.996	#

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212012.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 18:36
Operator : MJB
Sample : 0L21060-CAL8
Misc : A20L217, AB 100 ppb
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:22:30 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

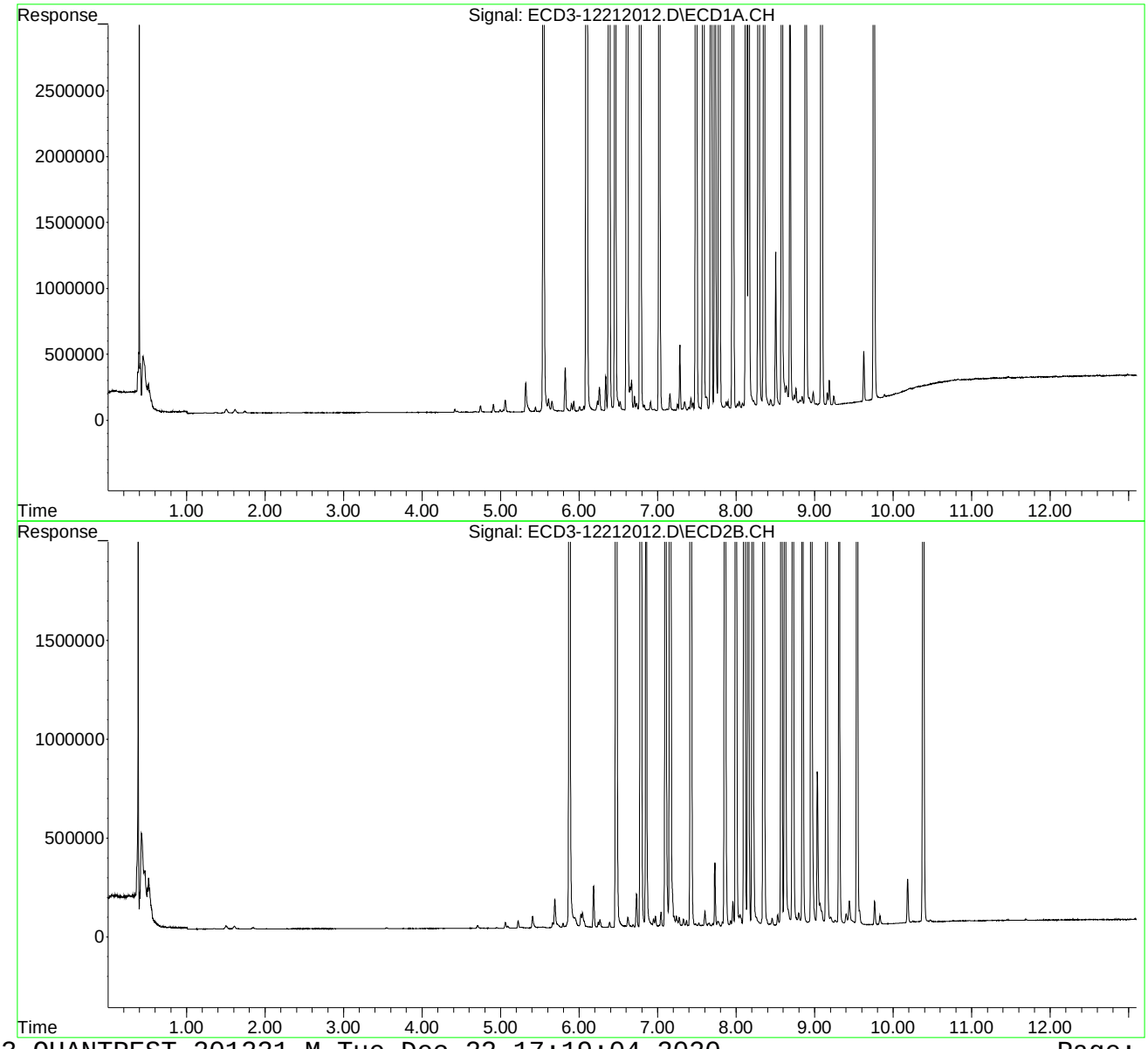
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.127	8.623	13729476	8646172	76.700	80.860	
31)	Mirex	8.813	9.541	40945	8059157	0.031	130.005	#
32)	Chlordane...	7.582	7.998	17637351	10750693	866.137	803.904	
33)	Chlordane...	7.680	8.105	16946533	10255498	873.594	909.166	
34)	Chlordane...	0.000	8.722f	0	8100389	N.D.	2270.150	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.680f	8.353f	16946533	10778444	20982.434	8716.405	#
37)	Toxaphene...	7.958	0.000	17597181	0	BelowCal	N.D.	
38)	Toxaphene...	8.287	8.722	13295508	8100389	3919.885	4037.017	
39)	Toxaphene...	8.504	8.798f	1175558	63454	333.950	19.063	#
40)	Toxaphene...	8.738	8.958	81347	7024087	30.000	3490.178	#
41)	Toxaphene...	8.813	9.313	40945	3718887	12.984	1831.321	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212012.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 18:36
Operator : MJB
Sample : 0L21060-CAL8
Misc : A20L217, AB 100 ppb
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:22:30 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212013.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 18:54
Operator : MJB
Sample : 0L21060-CAL9 MJB 12/22/20
Misc : A20H470, AB 200 ppb
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:22:41 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.547	5.877	35384010	20779275	190.869	202.104	
22) S	DCBP (S)	9.757	10.384	21835680	11755364	207.334	207.692	
	Target Compounds							
2)	a-BHC	6.097	6.472	49669481	27892627	208.737	188.467	
3)	g-BHC	6.383	6.788	42534037	24628055	203.527	189.385	
4)	b-BHC	6.460	6.854	17938884	10938909	205.399	206.748	
5)	Heptachlor	6.781	7.161	37679952	22881432	192.654	188.069	
6)	d-BHC	6.611	7.102	42014130	23869964	215.109	202.139	
7)	Aldrin	7.023	7.424	39773064	23060791	196.249	184.537	
8)	Heptachlo...	7.492	7.859	34566053	20826321	203.328	203.725	
9)	trans-Chl...	7.583	7.999	37028644	21473004	198.399	201.906	
10)	cis-Chlor...	7.681	8.106	35543836	20065484	204.439	201.578	
11)	Endosulfa...	7.785	8.155	31419175	19382935	190.548	190.526	
12)	4,4'-DDE	7.732	8.210	37354751	22201858	202.627	197.092	
13)	Dieldrin	7.959	8.354	37180239	21540625	202.079	192.266	
14)	Endrin	8.128	8.577	28614683	16556473	208.357	203.295	
15)	4,4'-DDD	8.161	8.624	30296126	17935858	211.232	204.182	
16)	Endosulfa...	8.287	8.723	28106345	16950954	199.044	194.734	
17)	4,4'-DDT	8.358	8.849	27140349	15706430	213.992	217.139	
18)	Endrin Al...	8.584	8.959	24671834	14373784	203.705	201.018	
19)	Endosulfa...	8.889	9.153	26218822	15250393	201.111	205.569	
20)	Methoxychlor	8.687	9.314	12466042	7670080	202.005	200.266	
21)	Endrin Ke...	9.089	9.542	29347553	16625613	209.543	202.646	
23)	Hexachlor...	3.299f	3.547f	5857	4967	2844.149	1294.121	#
24)	Hexachlor...	5.932	6.363f	131961	7292	0.536	3052.556	#
25)	Oxychlordane	7.397	7.765f	33279	40031	0.001	0.177	#
26)	2,4'-DDE	7.492	7.999	34566053	21473004	324.760	309.776	
27)	trans-Non...	7.681	8.062	35543836	68042	214.423	0.422	#
28)	2,4'-DDD	7.873	8.354	98557	21540625	0.797	350.490	#
29)	2,4'-DDT	8.039	8.577	106116	16556473	0.954	248.453	#

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212013.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 18:54
Operator : MJB
Sample : 0L21060-CAL9
Misc : A20H470, AB 200 ppb
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:22:41 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

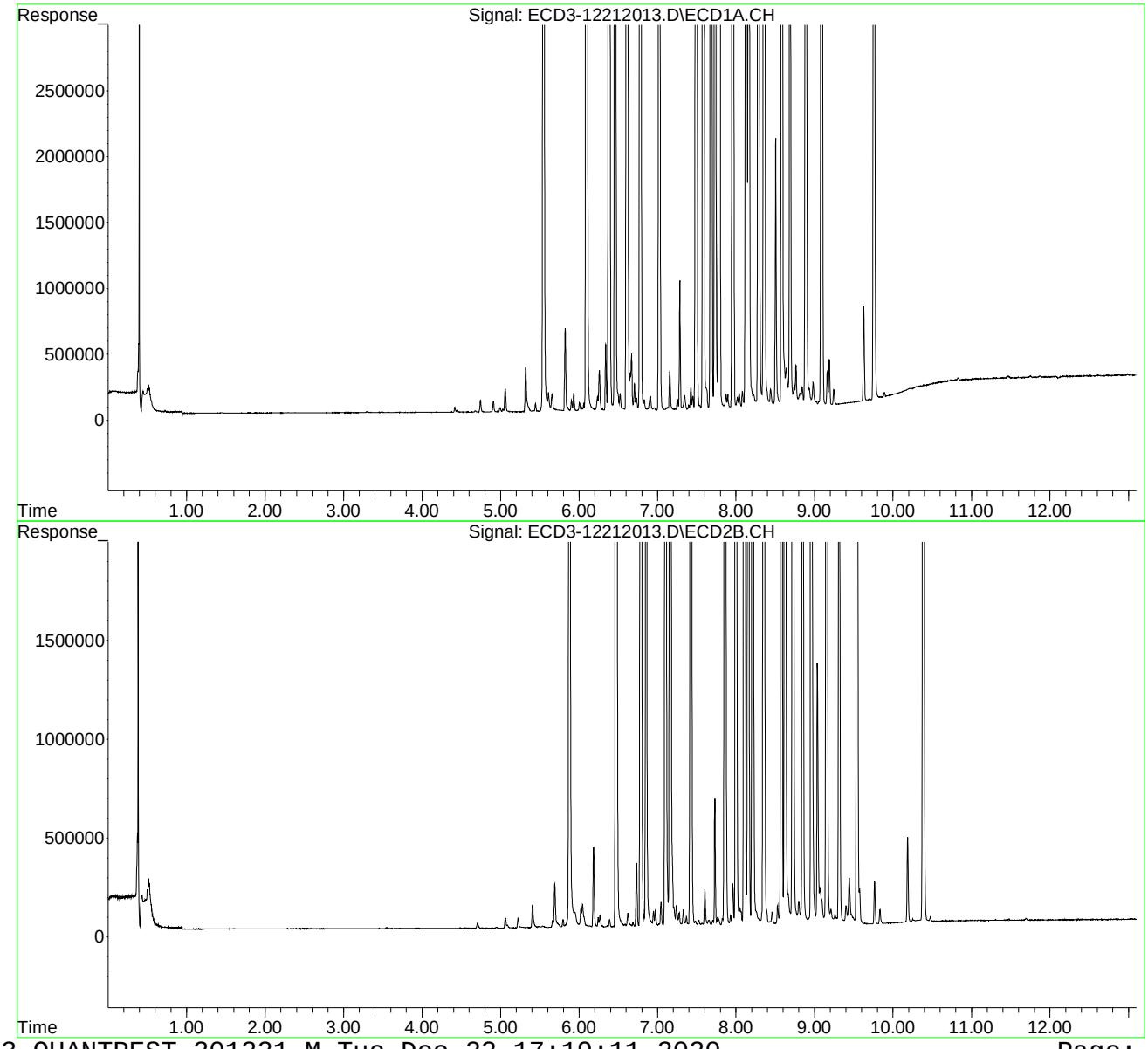
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.128	8.624	28614683	17935858	156.843	166.266	
31)	Mirex	8.814	9.542	93443	16625613	0.532	271.277	#
32)	Chlordane...	7.583	7.999	37028644	21473004	1818.406	1605.686	
33)	Chlordane...	7.681	8.106	35543836	20065484	1832.286	1778.837	
34)	Chlordane...	8.221	8.723f	99508	16950954	16.533	4750.537	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.681f	8.354f	35543836	21540625	44008.778	17419.660	#
37)	Toxaphene...	7.959	8.662	37180239	156132	BelowCal	111.191	
38)	Toxaphene...	8.287	8.723	28106345	16950954	8286.531	8447.902	
39)	Toxaphene...	8.504	8.799f	2034062	116206	577.832	34.911	#
40)	Toxaphene...	8.739	8.959	161852	14373784	59.690	6865.915	#
41)	Toxaphene...	8.814	9.314	93443	7670080	29.632	3777.038	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212013.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 18:54
Operator : MJB
Sample : 0L21060-CAL9
Misc : A20H470, AB 200 ppb
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:22:41 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212016.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 19:45
Operator : MJB
Sample : 0L21060-CALA
Misc : A20L364, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 12/22/20

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:23:16 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	0.000	0.000	0	0	N.D.	N.D.	
22)	S DCBP (S)	9.759	10.383	7094	3630	4158.002	2751.247	
	Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)	g-BHC	0.000	6.787	0	3387	N.D.	0.026	#
4)	b-BHC	0.000	0.000	0	0	N.D.	N.D.	
5)	Heptachlor	6.780	7.160	5827	3300	0.030	0.027	
6)	d-BHC	6.613	7.102	7342	4332	0.038	0.037	
7)	Aldrin	0.000	0.000	0	0	N.D.	N.D.	
8)	Heptachlo...	7.480	0.000	76692	0	0.298	N.D.	#
9)	trans-Chl...	7.584	7.986	6738	49930	0.036	0.297	#
10)	cis-Chlor...	7.690	8.105	15428	5102	BelowCal	4425.599	
11)	Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
12)	4,4'-DDE	0.000	0.000	0	0	N.D.	N.D.	
13)	Dieldrin	7.959	8.357	5005	44616	0.027	0.398	#
14)	Endrin	8.144	8.578	119694	39652	0.872	0.487	#
15)	4,4'-DDD	8.144	8.624	119694	76941	0.835	0.876	
16)	Endosulfa...	8.289	8.724	6084	4001	0.043	0.046	
17)	4,4'-DDT	8.358	0.000	3493	0	0.028	N.D.	#
18)	Endrin Al...	8.585	8.959	12829	8577	BelowCal	BelowCal	
19)	Endosulfa...	8.890	9.152	9256	4004	0.071	0.054	
20)	Methoxychlor	0.000	0.000	0	0	N.D.	N.D.	
21)	Endrin Ke...	9.089	9.530	6946	51606	0.050	0.629	#
23)	Hexachlor...	3.341	3.588	116077	85637	0.466	0.463	
24)	Hexachlor...	5.932	6.341	121276	77749	0.472	0.466	
25)	Oxychlordane	7.414	7.790	102641	66283	0.481	0.468	
26)	2,4'-DDE	7.480	7.986	76692	49930	0.468	0.473	
27)	trans-Non...	7.667	8.065	115657	73522	0.478	0.477	
28)	2,4'-DDD	7.859	8.357	65841	44616	0.467	0.468	
29)	2,4'-DDT	8.040	8.578	62703	39652	0.486	0.486	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212016.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 19:45
Operator : MJB
Sample : 0L21060-CALA
Misc : A20L364, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:23:16 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

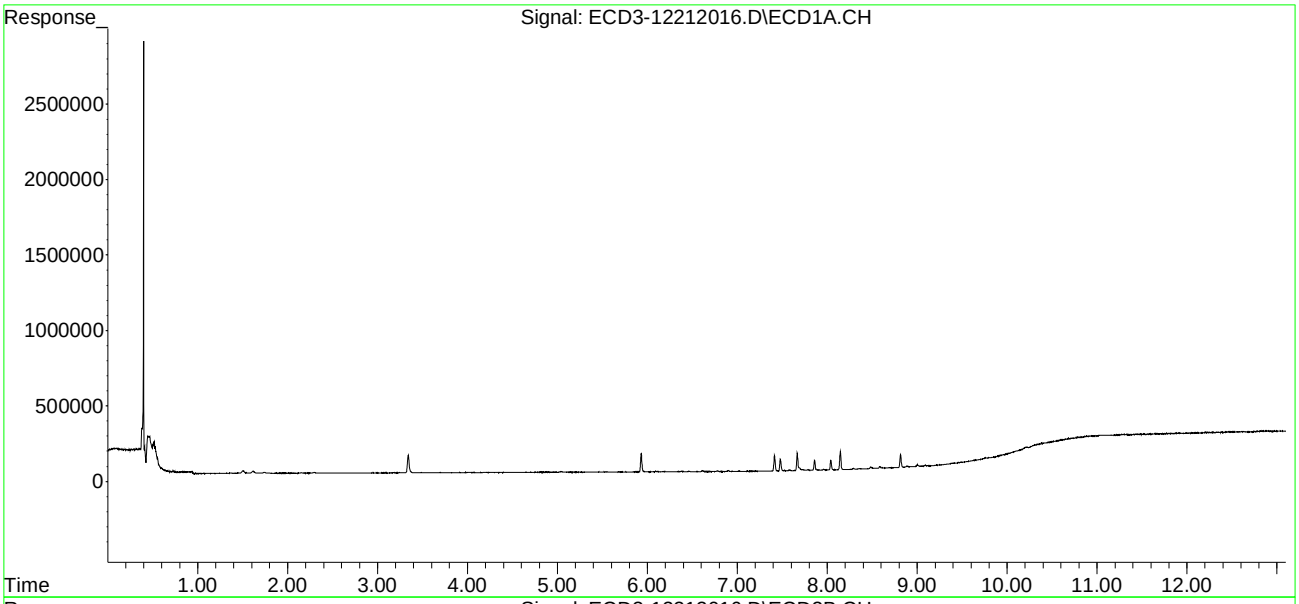
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.144	8.624	119694	76941	0.480	0.476	
31)	Mirex	8.815	9.530	86454	51606	0.466	0.462	
32)	Chlordane...	7.584	7.986	6738	49930	0.331	3.734	#
33)	Chlordane...	7.667	8.105	115657	5102	5.962	0.452	#
34)	Chlordane...	0.000	8.764	0	6569	N.D.	1.841	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.667	8.357f	115657	44616	143.201	36.080	#
37)	Toxaphene...	7.959	0.000	5005	0	0.670	N.D.	#
38)	Toxaphene...	8.289	8.724	6084	4001	1.794	1.994	
39)	Toxaphene...	8.482f	8.764	8112	6569	2.304	1.973	
40)	Toxaphene...	0.000	8.959	0	8577	N.D.	1.572	#
41)	Toxaphene...	8.815	0.000	86454	0	27.416	N.D.	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

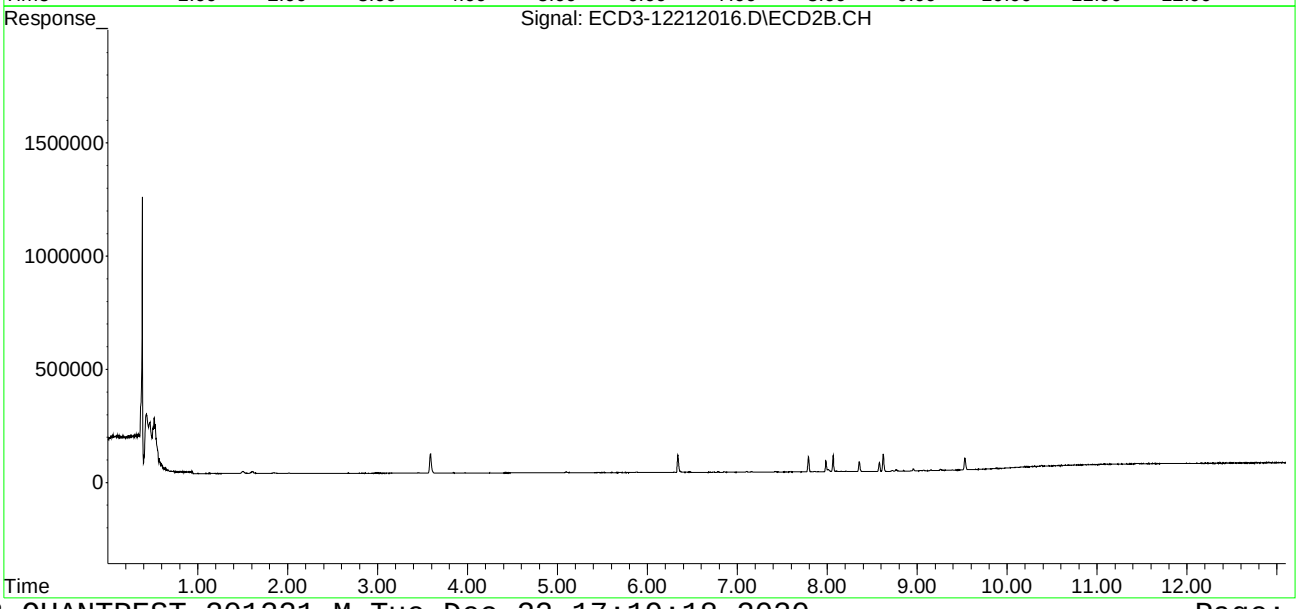
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212016.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 19:45
Operator : MJB
Sample : 0L21060-CALA
Misc : A20L364, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:23:16 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212017.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 20:02
Operator : MJB
Sample : 0L21060-CALB
Misc : A20I180, 9-42 1 ppb
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 12/22/20

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:23:34 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	0.000	0.000	0	0	N.D.	N.D.	
22) S	DCBP (S)	9.781f	0.000	3739	0	4158.032	N.D.	#
	Target Compounds							
2)	a-BHC	6.096	6.470	4509	3501	0.019	0.024	
3)	g-BHC	6.381	6.786	5343	3845	0.026	0.030	
4)	b-BHC	0.000	0.000	0	0	N.D.	N.D.	
5)	Heptachlor	6.778	7.160	5733	3590	0.029	0.030	
6)	d-BHC	6.611	7.101	7496	4457	0.038	0.038	
7)	Aldrin	7.021	7.422	5808	3140	0.029	0.025	
8)	Heptachlo...	7.478	7.858	147522	3798	0.713	3530.581	#
9)	trans-Chl...	7.580	8.010	8105	10648	0.043	6778.159	#
10)	cis-Chlor...	7.666	0.000	213054	0	1.081	N.D.	#
11)	Endosulfa...	7.784	0.000	5252	0	0.032	N.D.	#
12)	4,4'-DDE	7.730	8.208	7248	3288	0.039	0.029	
13)	Dieldrin	7.958	8.356	4604	83683	0.025	0.747	#
14)	Endrin	8.143	8.578	223624	69970	1.628	0.859	#
15)	4,4'-DDD	8.143	8.622	223624	141902	1.559	1.615	
16)	Endosulfa...	8.291	8.723	5055	3495	0.036	0.040	
17)	4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	
18)	Endrin Al...	8.584	8.958	11393	6563	BelowCal	BelowCal	
19)	Endosulfa...	8.891	9.152	5815	3306	0.045	0.045	
20)	Methoxychlor	0.000	0.000	0	0	N.D.	N.D.	
21)	Endrin Ke...	9.089	9.529	5045	92344	0.036	1.126	#
23)	Hexachlor...	3.339	3.588	224341	161954	1.091	1.089	
24)	Hexachlor...	5.931	6.340	225998	147483	1.092	1.119	
25)	Oxychlordane	7.413	7.789	185955	124208	1.058	1.109	
26)	2,4'-DDE	7.478	7.985	147522	93570	1.097	1.085	
27)	trans-Non...	7.666	8.064	213054	133632	1.063	1.074	
28)	2,4'-DDD	7.857	8.356	128736	83683	1.101	1.107	
29)	2,4'-DDT	8.038	8.578	115830	69970	1.059	1.049	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212017.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 20:02
Operator : MJB
Sample : 0L21060-CALB
Misc : A20I180, 9-42 1 ppb
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:23:34 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

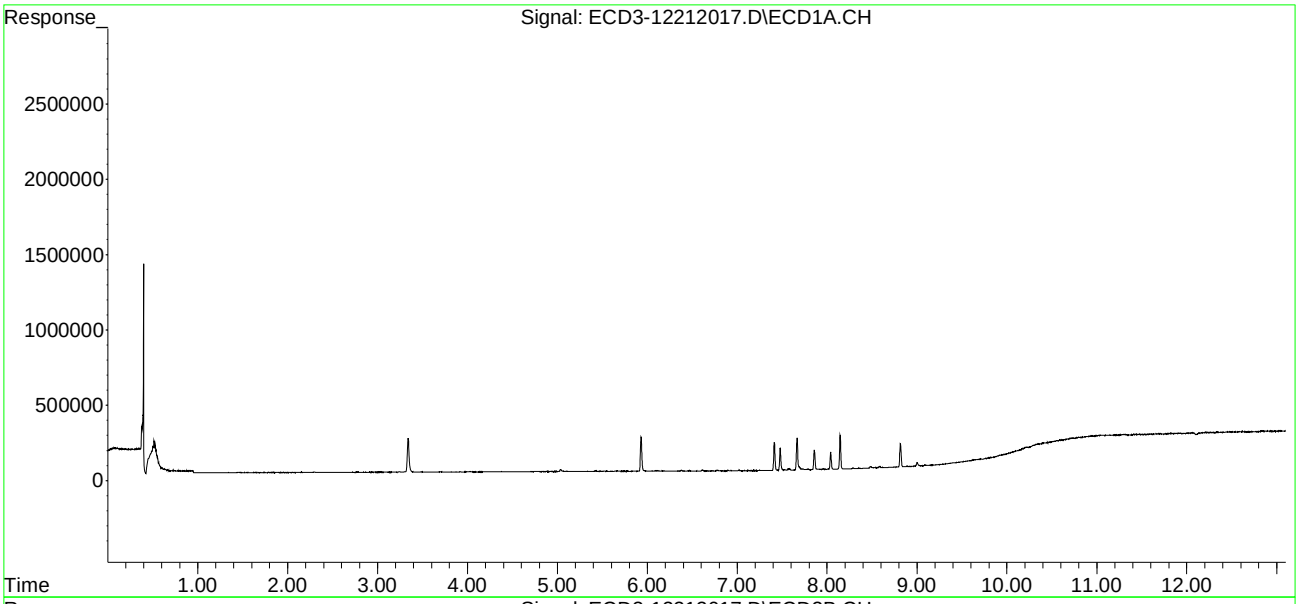
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.143	8.622	223624	141902	1.073	1.091	
31)	Mirex	8.814	9.529	153713	92344	1.107	1.115	
32)	Chlordane...	7.580	7.985	8105	93570	0.398	6.997	#
33)	Chlordane...	7.666	8.064f	213054	133632	10.983	11.847	
34)	Chlordane...	0.000	8.762	0	7114	N.D.	1.994	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.666	8.356f	213054	83683	263.794	67.674	#
37)	Toxaphene...	7.958	0.000	4604	0	0.437	N.D.	#
38)	Toxaphene...	8.291	8.723	5055	3495	1.490	1.742	
39)	Toxaphene...	8.480f	8.762	10927	7114	3.104	2.137	
40)	Toxaphene...	0.000	8.958	0	6563	N.D.	0.526	#
41)	Toxaphene...	8.814	0.000	153713	0	48.745	N.D.	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

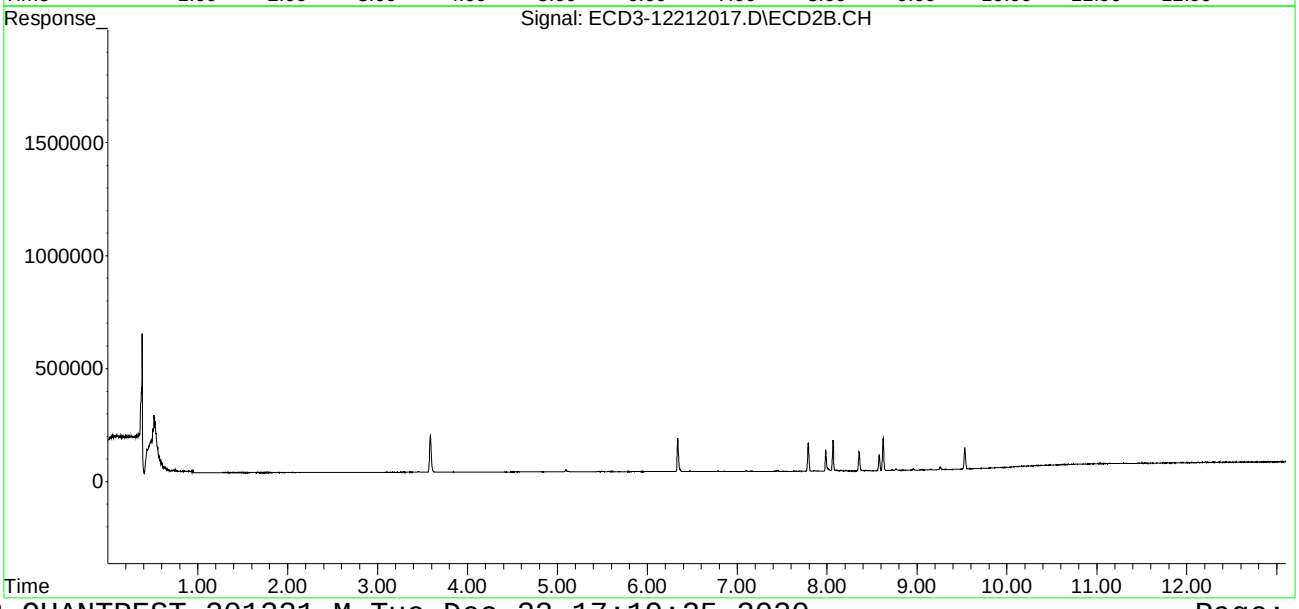
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212017.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 20:02
Operator : MJB
Sample : 0L21060-CALB
Misc : A20I180, 9-42 1 ppb
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:23:34 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 20:19
Operator : MJB
Sample : 0L21060-CALC MJB 12/22/20
Misc : A20I181, 9-42 2 ppb
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:23:44 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	0.000	0.000	0	0	N.D.	N.D.	
22)	S	DCBP (S)	9.755	0.000	1529	0	4158.052	N.D.	#
		Target Compounds							
2)		a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)		g-BHC	0.000	0.000	0	0	N.D.	N.D.	
4)		b-BHC	0.000	0.000	0	0	N.D.	N.D.	
5)		Heptachlor	0.000	0.000	0	0	N.D.	N.D.	
6)		d-BHC	0.000	0.000	0	0	N.D.	N.D.	
7)		Aldrin	0.000	7.453f	0	3805	N.D.	0.030	#
8)		Heptachlo...	7.480	7.896f	268568	3222	1.423	3530.586	#
9)		trans-Chl...	7.572	7.985	1836	170582	0.010	1.399	#
10)		cis-Chlor...	7.667	8.103	393050	4683	2.146	4425.603	#
11)		Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
12)		4,4'-DDE	7.732	0.000	4592	0	0.025	N.D.	#
13)		Dieldrin	0.000	8.357	0	146610	N.D.	1.309	#
14)		Endrin	8.145	8.579	397849	126235	2.897	1.550	#
15)		4,4'-DDD	8.145	8.624	397849	247638	2.774	2.819	
16)		Endosulfa...	8.289	8.724	4178	3217	0.030	0.037	
17)		4,4'-DDT	8.358	0.000	3429	0	0.027	N.D.	#
18)		Endrin Al...	8.584	8.959	7018	4364	BelowCal	BelowCal	
19)		Endosulfa...	8.889	0.000	4992	0	0.038	N.D.	#
20)		Methoxychlor	0.000	0.000	0	0	N.D.	N.D.	
21)		Endrin Ke...	9.089	9.530	5097	160062	0.036	1.951	#
23)		Hexachlor...	3.341	3.588	420677	309224	2.225	2.297	
24)		Hexachlor...	5.932	6.341	401929	256997	2.132	2.145	
25)		Oxychlordane	7.414	7.790	339179	218305	2.118	2.151	
26)		2,4'-DDE	7.480	7.985	268568	170582	2.172	2.167	
27)		trans-Non...	7.667	8.065	393050	241013	2.143	2.141	
28)		2,4'-DDD	7.859	8.357	235482	146610	2.176	2.137	
29)		2,4'-DDT	8.039	8.579	208983	126235	2.064	2.091	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 20:19
Operator : MJB
Sample : 0L21060-CALC
Misc : A20I181, 9-42 2 ppb
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:23:44 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

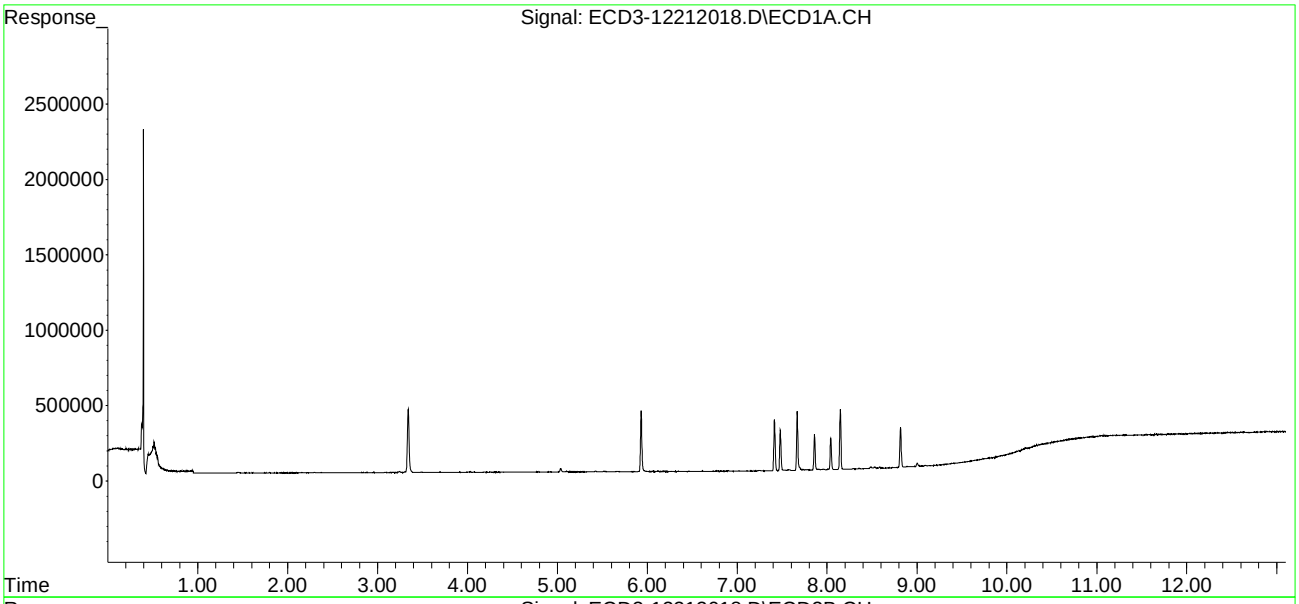
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.145	8.624	397849	247638	2.068	2.092	
31)	Mirex	8.815	9.530	265040	160062	2.170	2.201	
32)	Chlordane...	7.572	7.985	1836	170582	0.090	12.756	#
33)	Chlordane...	7.667	8.103	393050	4683	20.262	0.415	#
34)	Chlordane...	0.000	8.764	0	6785	N.D.	1.902	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.667	8.357f	393050	146610	486.657	118.562	#
37)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
38)	Toxaphene...	8.289	8.724	4178	3217	1.232	1.603	
39)	Toxaphene...	8.529	8.764	6724	6785	1.910	2.038	
40)	Toxaphene...	0.000	8.959	0	4364	N.D.	BelowCal	
41)	Toxaphene...	8.815	0.000	265040	0	84.048	N.D.	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

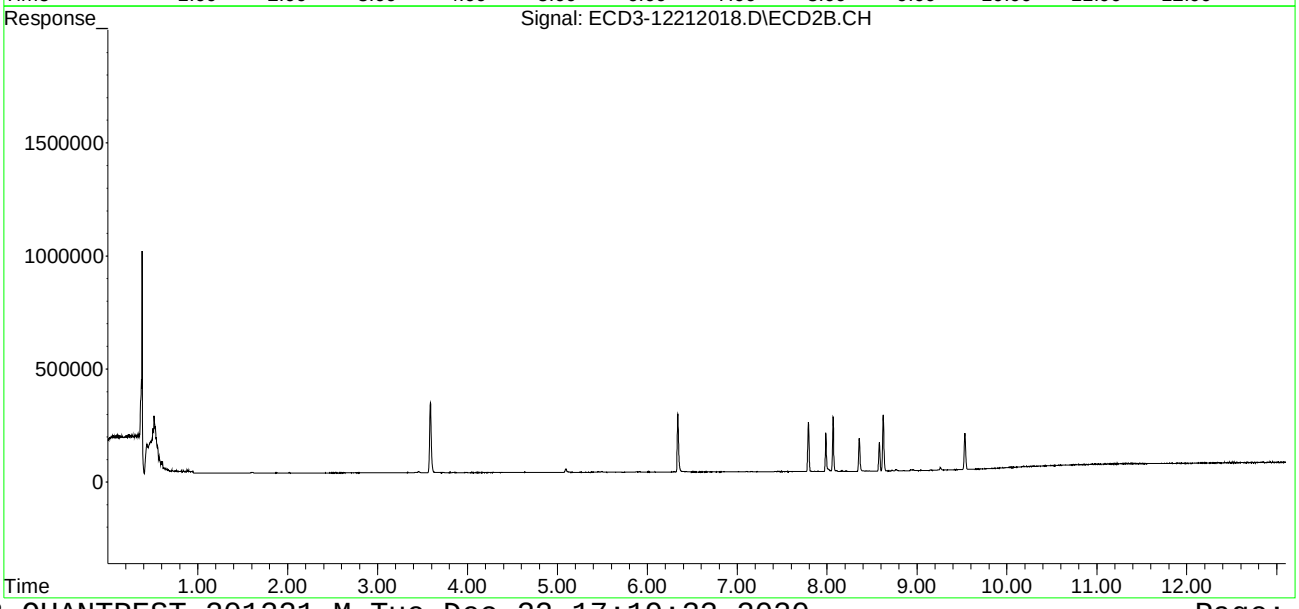
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 20:19
Operator : MJB
Sample : 0L21060-CALC
Misc : A20I181, 9-42 2 ppb
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:23:44 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212019.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 20:36
Operator : MJB
Sample : 0L21060-CALD MJB 12/22/20
Misc : A20I182, 9-42 5 ppb
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:23:58 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.515f	5.911f	7506	5228	0.040	3500.060	#
22)	S	DCBP (S)	9.738	0.000	1676	0	4158.051	N.D.	#
		Target Compounds							
2)		a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)		g-BHC	0.000	0.000	0	0	N.D.	N.D.	
4)		b-BHC	0.000	0.000	0	0	N.D.	N.D.	
5)		Heptachlor	6.776	0.000	4016	0	0.021	N.D.	#
6)		d-BHC	0.000	0.000	0	0	N.D.	N.D.	
7)		Aldrin	0.000	7.450f	0	7555	N.D.	0.060	#
8)		Heptachlo...	7.477	7.894f	568229	7577	3.179	3530.546	#
9)		trans-Chl...	7.567	7.983	11309	350613	0.061	3.043	#
10)		cis-Chlor...	7.664	8.097	829270	6418	4.726	4425.587	#
11)		Endosulfa...	7.761f	8.169	6461	3920	0.039	0.039	
12)		4,4'-DDE	7.761f	0.000	6461	0	0.035	N.D.	#
13)		Dieldrin	7.932f	8.355	4920	307629	0.027	2.746	#
14)		Endrin	8.142	8.577	882081	265611	6.423	3.261	#
15)		4,4'-DDD	8.142	8.622	882081	522720	6.150	5.951	
16)		Endosulfa...	0.000	8.762f	0	6077	N.D.	0.070	#
17)		4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	
18)		Endrin Al...	8.578	0.000	6106	0	BelowCal	N.D.	
19)		Endosulfa...	0.000	0.000	0	0	N.D.	N.D.	
20)		Methoxychlor	0.000	0.000	0	0	N.D.	N.D.	
21)		Endrin Ke...	0.000	9.528	0	327616	N.D.	3.993	#
23)		Hexachlor...	3.340	3.587	876870	612404	4.862	4.792	
24)		Hexachlor...	5.930	6.338	841692	524266	4.731	4.652	
25)		Oxychlordane	7.411	7.787	726873	444537	4.801	4.656	
26)		2,4'-DDE	7.477	7.983	568229	350613	4.834	4.696	
27)		trans-Non...	7.664	8.062	829270	493676	4.761	4.652	
28)		2,4'-DDD	7.856	8.355	494636	307629	4.784	4.771	
29)		2,4'-DDT	8.037	8.577	448991	265611	4.646	4.664	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212019.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 20:36
Operator : MJB
Sample : 0L21060-CALD
Misc : A20I182, 9-42 5 ppb
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:23:58 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

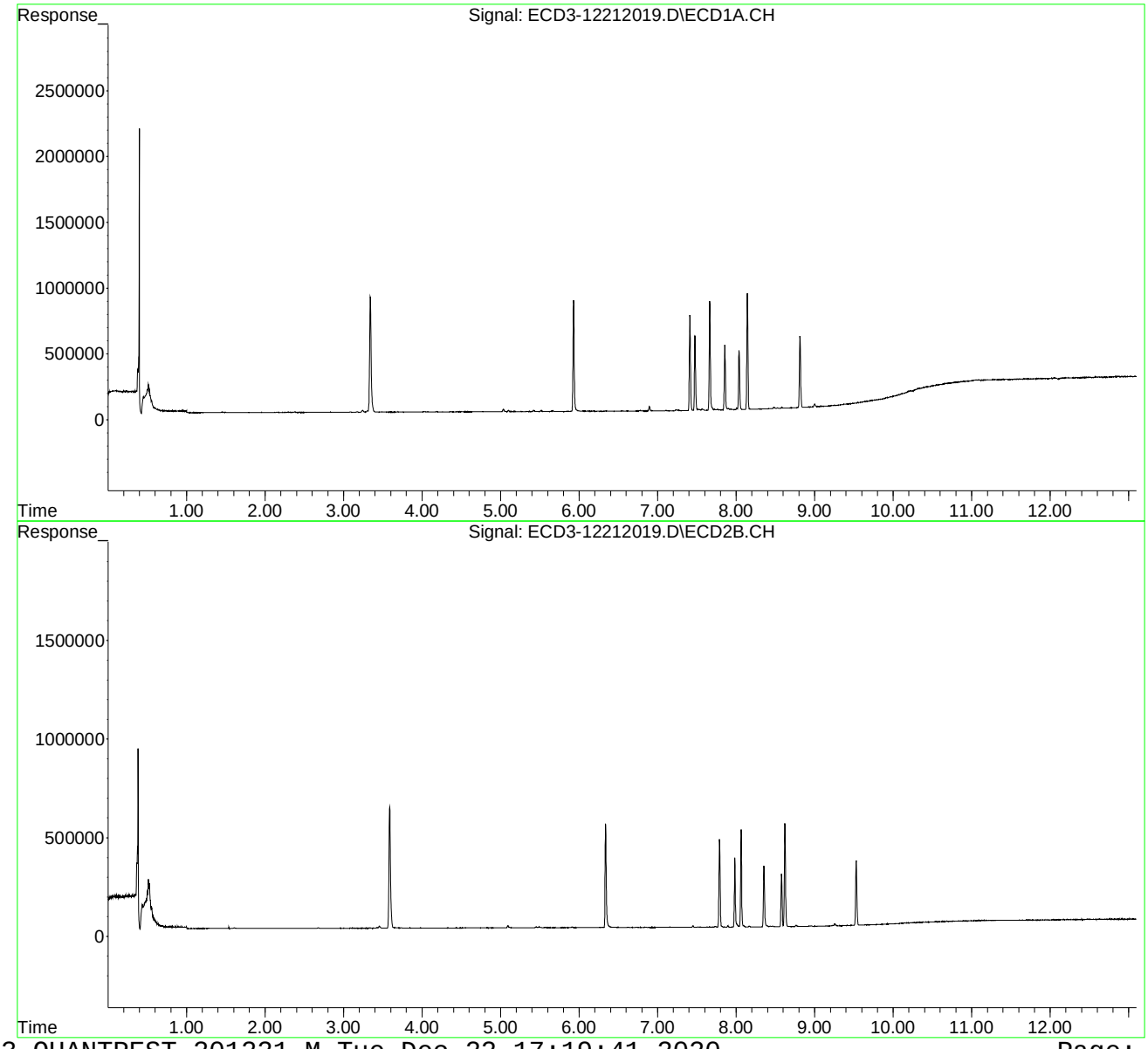
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.142	8.622	882081	522720	4.830	4.697	
31)	Mirex	8.813	9.528	544551	327616	4.836	4.888	
32)	Chlordane...	7.567	7.983	11309	350613	0.555	26.218	#
33)	Chlordane...	7.664	8.097	829270	6418	42.749	0.569	#
34)	Chlordane...	0.000	8.762	0	6077	N.D.	1.703	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.664	8.355f	829270	307629	1026.764	248.776	#
37)	Toxaphene...	7.932f	0.000	4920	0	0.620	N.D.	#
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
39)	Toxaphene...	8.526	8.762	3654	6077	1.038	1.826	#
40)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
41)	Toxaphene...	8.813	0.000	544551	0	172.686	N.D.	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212019.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 20:36
Operator : MJB
Sample : 0L21060-CALD
Misc : A20I182, 9-42 5 ppb
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:23:58 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212020.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 20:54
Operator : MJB
Sample : 0L21060-CALE MJB 12/22/20
Misc : A20I183, 9-42 10 ppb
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:24:09 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.515f	5.912f	14986	10426	0.081	3500.012	#
22) S	DCBP (S)	9.746	0.000	2181	0	4158.046	N.D.	#
	Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)	g-BHC	0.000	0.000	0	0	N.D.	N.D.	
4)	b-BHC	0.000	0.000	0	0	N.D.	N.D.	
5)	Heptachlor	6.778	7.159	8301	5155	0.042	0.042	
6)	d-BHC	6.611	0.000	4455	0	0.023	N.D.	#
7)	Aldrin	0.000	7.450f	0	4380	N.D.	0.035	#
8)	Heptachlo...	7.477	7.894f	1120955	12476	6.419	3530.501	#
9)	trans-Chl...	7.567	7.983	2888	696129	0.015	6.202	#
10)	cis-Chlor...	7.665	8.096	1681190	12057	9.759	4425.533	#
11)	Endosulfa...	7.761f	8.168	9181	7122	0.056	0.070	
12)	4,4'-DDE	7.761f	0.000	9181	0	0.050	N.D.	#
13)	Dieldrin	7.932f	8.355	8020	601785	0.044	5.371	#
14)	Endrin	8.142	8.577	1748707	530524	12.733	6.514	#
15)	4,4'-DDD	8.142	8.621	1748707	1043418	12.192	11.878	
16)	Endosulfa...	0.000	8.762f	0	5666	N.D.	0.065	#
17)	4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	
18)	Endrin Al...	8.580	0.000	9935	0	BelowCal	N.D.	
19)	Endosulfa...	8.915f	0.000	6074	0	0.047	N.D.	#
20)	Methoxychlor	0.000	0.000	0	0	N.D.	N.D.	
21)	Endrin Ke...	9.086	9.528	2077	611173	0.015	7.449	#
23)	Hexachlor...	3.340	3.587	1746550	1205956	9.904	9.705	
24)	Hexachlor...	5.930	6.339	1712514	1066777	9.874	9.753	
25)	Oxychlordane	7.412	7.787	1456706	901175	9.846	9.715	
26)	2,4'-DDE	7.477	7.983	1120955	696129	9.752	9.554	
27)	trans-Non...	7.665	8.063	1681190	1015990	9.876	9.843	
28)	2,4'-DDD	7.856	8.355	971587	601785	9.580	9.583	
29)	2,4'-DDT	8.037	8.577	913433	530524	9.613	9.521	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212020.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 20:54
Operator : MJB
Sample : 0L21060-CALE
Misc : A20I183, 9-42 10 ppb
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:24:09 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

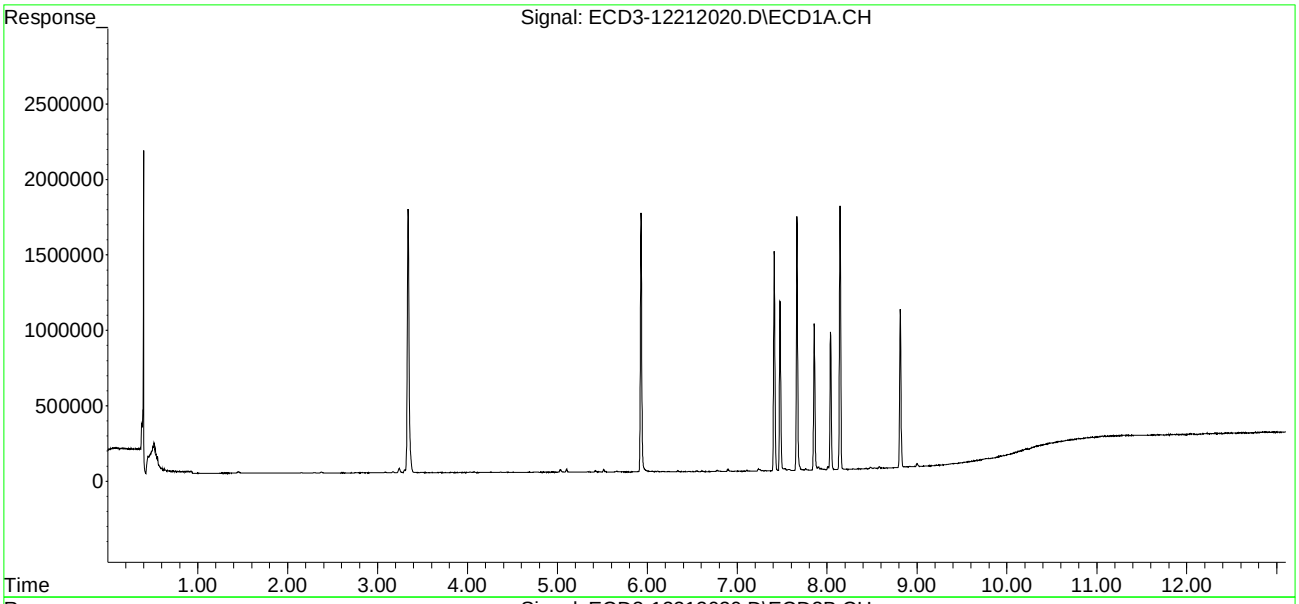
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.142	8.621	1748707	1043418	9.763	9.622	
31)	Mirex	8.813	9.528	1048167	611173	9.639	9.438	
32)	Chlordane...	7.567	7.983	2888	696129	0.142	52.054	#
33)	Chlordane...	7.665	8.096	1681190	12057	86.665	1.069	#
34)	Chlordane...	0.000	8.762	0	5666	N.D.	1.588	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.665	8.355f	1681190	601785	2081.573	486.657	#
37)	Toxaphene...	7.932f	0.000	8020	0	2.412	N.D.	#
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
39)	Toxaphene...	8.529	8.762	4360	5666	1.239	1.702	
40)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
41)	Toxaphene...	8.813	0.000	1048167	0	332.390	N.D.	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

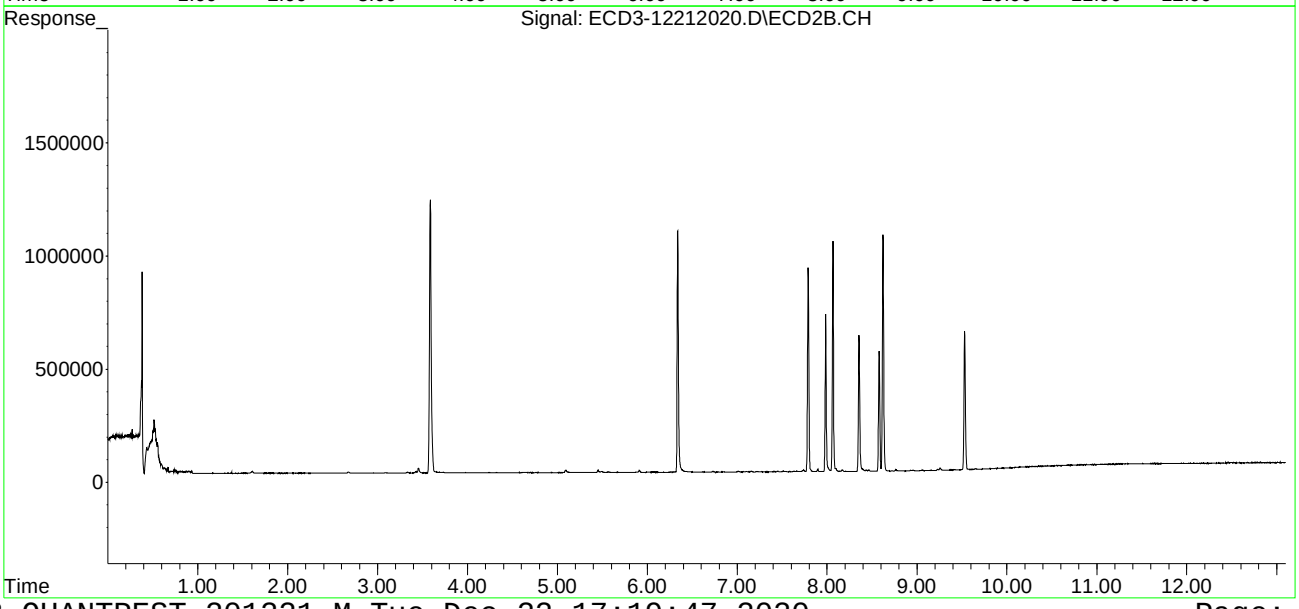
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212020.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 20:54
Operator : MJB
Sample : 0L21060-CALE
Misc : A20I183, 9-42 10 ppb
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:24:09 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212021.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 21:11
Operator : MJB
Sample : 0L21060-CALF MJB 12/22/20
Misc : A20I184, 9-42 25 ppb
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:24:18 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.515f	5.912f	34097	23359	0.184	0.051	#
22)	S DCBP (S)	9.737	0.000	1889	0	4158.049	N.D.	#
	Target Compounds							
2)	a-BHC	0.000	6.468	0	1752	N.D.	0.012	#
3)	g-BHC	0.000	0.000	0	0	N.D.	N.D.	
4)	b-BHC	0.000	0.000	0	0	N.D.	N.D.	
5)	Heptachlor	6.777	7.158	16049	10265	0.082	0.084	
6)	d-BHC	0.000	0.000	0	0	N.D.	N.D.	
7)	Aldrin	0.000	7.450f	0	5761	N.D.	0.046	#
8)	Heptachlo...	7.477	7.894f	2699150	22921	15.672	0.080	#
9)	trans-Chl...	7.567	7.983	3670	1737593	0.020	15.742	#
10)	cis-Chlor...	7.665	8.096	4062958	23233	23.794	0.059	#
11)	Endosulfa...	7.761f	8.169	21051	13939	0.128	0.137	
12)	4,4'-DDE	7.728	0.000	5259	0	0.029	N.D.	#
13)	Dieldrin	7.931f	8.355	22922	1491641	0.125	13.314	#
14)	Endrin	8.142	8.577	4335974	1382934	31.572	16.981	#
15)	4,4'-DDD	8.142	8.622	4335974	2622623	30.231	29.856	
16)	Endosulfa...	0.000	8.761f	0	5431	N.D.	0.062	#
17)	4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	
18)	Endrin Al...	8.577	8.961	17757	3831	BelowCal	BelowCal	
19)	Endosulfa...	8.916f	0.000	13640	0	0.105	N.D.	#
20)	Methoxychlor	0.000	0.000	0	0	N.D.	N.D.	
21)	Endrin Ke...	0.000	9.528	0	1490973	N.D.	18.173	#
23)	Hexachlor...	3.338	3.585	3798124	2711999	21.870	22.344	
24)	Hexachlor...	5.930	6.339	4107406	2552005	23.998	23.808	
25)	Oxychlordane	7.411	7.787	3571607	2179006	24.436	23.881	
26)	2,4'-DDE	7.477	7.983	2699150	1737593	23.840	24.220	
27)	trans-Non...	7.665	8.063	4062958	2446752	24.183	24.067	
28)	2,4'-DDD	7.856	8.355	2435351	1491641	24.265	24.136	
29)	2,4'-DDT	8.037	8.577	2368688	1382934	24.943	24.856	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212021.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 21:11
Operator : MJB
Sample : 0L21060-CALF
Misc : A20I184, 9-42 25 ppb
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:24:18 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

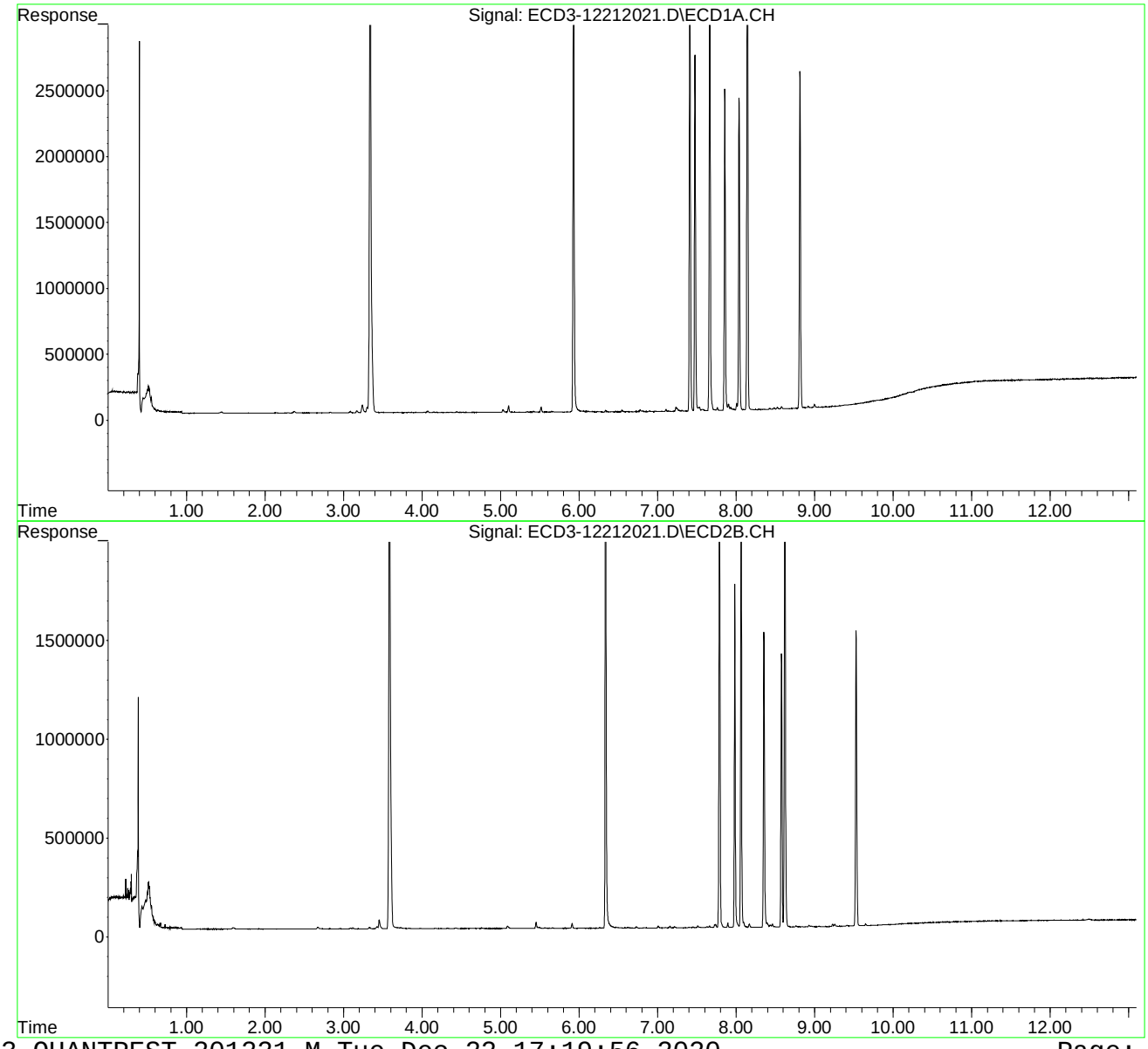
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.142	8.622	4335974	2622623	24.414	24.522	
31)	Mirex	8.813	9.528	2560068	1490973	24.044	23.575	
32)	Chlordane...	7.567	7.983	3670	1737593	0.180	129.932	#
33)	Chlordane...	7.665	8.096	4062958	23233	209.446	2.060	#
34)	Chlordane...	0.000	8.761	0	5431	N.D.	1.522	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.665	8.355f	4062958	1491641	5030.571	1206.274	#
37)	Toxaphene...	7.931f	0.000	22922	0	11.031	N.D.	#
38)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
39)	Toxaphene...	8.526	8.761	11690	5431	3.321	1.632	#
40)	Toxaphene...	0.000	8.961	0	3831	N.D.	BelowCal	
41)	Toxaphene...	8.813	0.000	2560068	0	811.838	N.D.	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212021.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 21:11
Operator : MJB
Sample : 0L21060-CALF
Misc : A20I184, 9-42 25 ppb
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:24:18 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212022.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 21:28
Operator : MJB
Sample : 0L21060-CALG MJB 12/22/20
Misc : A20I185, 9-42 50 ppb
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:24:27 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.514f	5.912f	66963	42882	0.361	0.230	
22)	S DCBP (S)	9.763	0.000	2800	0	4158.040	N.D.	#
	Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)	g-BHC	0.000	0.000	0	0	N.D.	N.D.	
4)	b-BHC	0.000	0.000	0	0	N.D.	N.D.	
5)	Heptachlor	6.778	7.157	28362	19012	0.145	0.156	
6)	d-BHC	6.610	7.099	5403	3459	0.028	0.029	
7)	Aldrin	7.056f	7.450f	4654	6091	0.023	0.049	#
8)	Heptachlo...	7.477	7.893f	5349587	44452	31.220	0.279	#
9)	trans-Chl...	7.579	7.983	15340	3503748	0.082	31.981	#
10)	cis-Chlor...	7.664	8.096	8049459	47129	47.165	0.288	#
11)	Endosulfa...	7.760f	8.168	33271	24260	0.202	0.238	
12)	4,4'-DDE	7.728	0.000	8444	0	0.046	N.D.	#
13)	Dieldrin	7.969	8.355	14695	2989830	0.080	26.686	#
14)	Endrin	8.142	8.576	8691259	2808239	63.285	34.482	#
15)	4,4'-DDD	8.142	8.621	8691259	5323514	60.598	60.603	
16)	Endosulfa...	8.292	8.763f	5565	4522	0.039	0.052	
17)	4,4'-DDT	8.355	0.000	5203	0	0.041	N.D.	#
18)	Endrin Al...	8.577	8.963	30624	6631	BelowCal	BelowCal	
19)	Endosulfa...	8.916f	0.000	25177	0	0.193	N.D.	#
20)	Methoxychlor	0.000	0.000	0	0	N.D.	N.D.	
21)	Endrin Ke...	0.000	9.528	0	3002280	N.D.	36.594	#
23)	Hexachlor...	3.339	3.586	8119079	5563181	47.412	47.001	
24)	Hexachlor...	5.930	6.338	8242553	5199519	48.310	49.193	
25)	Oxychlordane	7.411	7.787	7035956	4446714	48.238	49.061	
26)	2,4'-DDE	7.477	7.983	5349587	3503748	47.656	49.180	
27)	trans-Non...	7.664	8.062	8049459	4969548	48.156	49.160	
28)	2,4'-DDD	7.856	8.355	4805659	2989830	47.937	48.624	
29)	2,4'-DDT	8.037	8.576	4804132	2808239	49.855	49.582	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212022.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 21:28
Operator : MJB
Sample : 0L21060-CALG
Misc : A20I185, 9-42 50 ppb
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:24:27 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

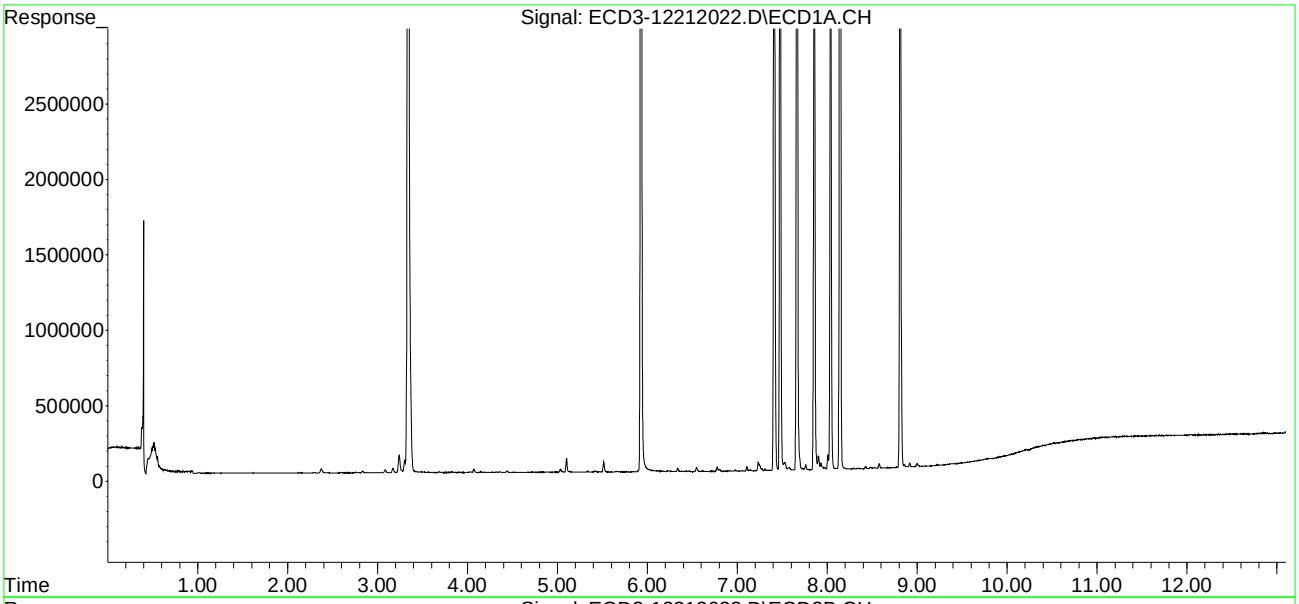
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.142	8.621	8691259	5323514	48.830	49.880	
31)	Mirex	8.813	9.528	5065560	3002280	47.869	47.923	
32)	Chlordane...	7.579	7.983	15340	3503748	0.753	262.000	#
33)	Chlordane...	7.664	8.096	8049459	47129	414.950	4.178	#
34)	Chlordane...	0.000	8.763	0	4522	N.D.	1.267	#
35)	Chlordane...	3.827	0.000	5886	0	NoCal	N.D.	
36)	Toxaphene...	7.664	8.355f	8049459	2989830	9966.478	2417.842	#
37)	Toxaphene...	7.969	0.000	14695	0	6.272	N.D.	#
38)	Toxaphene...	8.292	0.000	5565	0	1.641	N.D.	#
39)	Toxaphene...	8.528	8.763	5808	4522	1.650	1.358	
40)	Toxaphene...	0.000	8.963	0	6631	N.D.	0.562	#
41)	Toxaphene...	8.813	0.000	5065560	0	1606.368	N.D.	#
42)	Toxaphene...	3.827	0.000	5886	0	NoCal	N.D.	

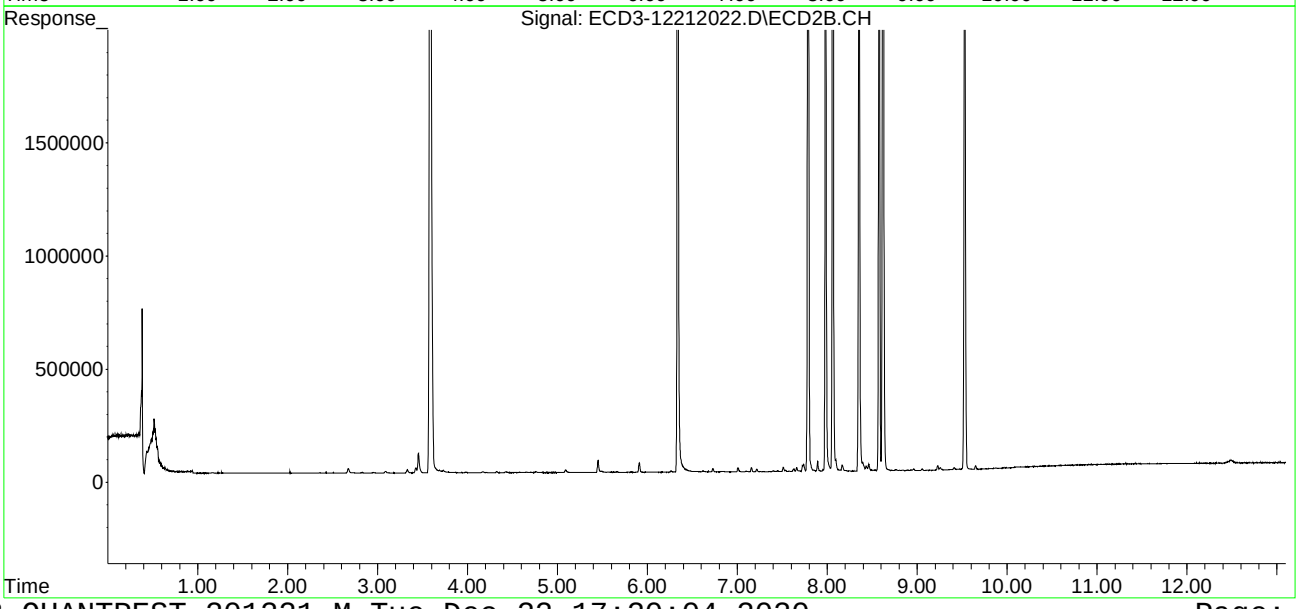
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212022.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 21:28
Operator : MJB
Sample : 0L21060-CALG
Misc : A20I185, 9-42 50 ppb
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:24:27 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212023.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 21:45
Operator : MJB
Sample : 0L21060-CALH MJB 12/22/20
Misc : A20I186, 9-42 100 ppb
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:24:36 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.513f	5.910f	137667	84663	0.743	0.614	
22)	S DCBP (S)	9.776	0.000	2596	0	4158.042	N.D.	#
	Target Compounds							
2)	a-BHC	0.000	6.463	0	9282	N.D.	0.063	#
3)	g-BHC	0.000	6.822f	0	4036	N.D.	0.031	#
4)	b-BHC	6.464	6.844	6506	4137	9545.020	2944.400	#
5)	Heptachlor	6.776	7.156	51908	33876	0.265	0.278	
6)	d-BHC	6.611	7.098	7005	4929	0.036	0.042	
7)	Aldrin	7.055f	7.450f	7472	4711	0.037	0.038	
8)	Heptachlo...	7.476	7.892f	11395840	60988	66.729	0.431	#
9)	trans-Chl...	7.579	7.982	29527	7471565	0.158	68.755	#
10)	cis-Chlor...	7.663	8.094	17452746	85919	101.706	0.660	#
11)	Endosulfa...	7.759f	8.167	55738	37114	0.338	0.365	
12)	4,4'-DDE	7.729	0.000	15361	0	0.083	N.D.	#
13)	Dieldrin	7.968	8.353	29832	6425794	0.162	57.355	#
14)	Endrin	8.141	8.576	18971752	6525277	138.142	80.123	#
15)	4,4'-DDD	8.141	8.621	18971752	11267994	132.276	128.275	
16)	Endosulfa...	8.293	8.763f	9585	4748	0.068	0.055	
17)	4,4'-DDT	8.353	8.838	10514	5031	0.083	0.070	
18)	Endrin Al...	8.576	8.962	50396	12899	BelowCal	BelowCal	
19)	Endosulfa...	8.916f	0.000	51450	0	0.395	N.D.	#
20)	Methoxychlor	0.000	0.000	0	0	N.D.	N.D.	
21)	Endrin Ke...	0.000	9.527	0	6440723	N.D.	78.505	#
23)	Hexachlor...	3.339	3.586	18404646	12222229	110.212	108.971	
24)	Hexachlor...	5.929	6.337	17904460	10838170	104.750	104.768	
25)	Oxychlordane	7.410	7.786	15277430	9525593	104.385	105.646	
26)	2,4'-DDE	7.476	7.982	11395840	7471565	102.746	105.666	
27)	trans-Non...	7.663	8.061	17452746	10688430	104.838	106.107	
28)	2,4'-DDD	7.855	8.353	10402439	6425794	103.317	104.724	
29)	2,4'-DDT	8.036	8.576	10883750	6525277	108.511	109.540	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212023.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 21:45
Operator : MJB
Sample : 0L21060-CALH
Misc : A20I186, 9-42 100 ppb
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:24:36 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

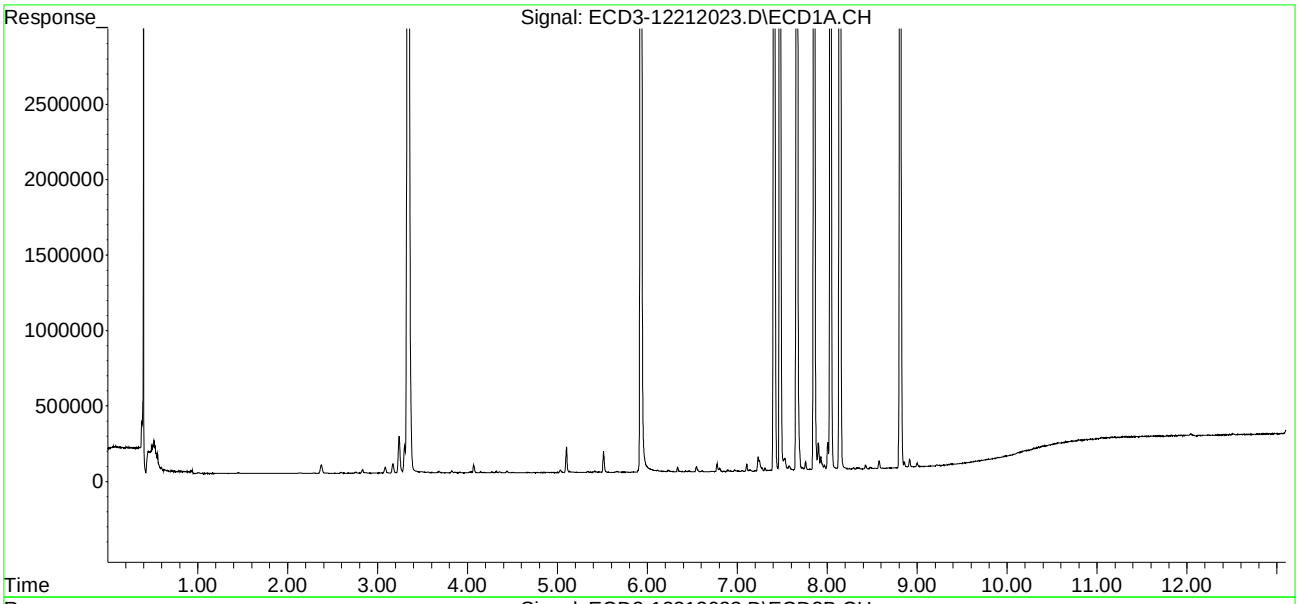
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.141	8.621	18971752	11267994	105.289	105.143	
31)	Mirex	8.812	9.527	10768110	6440723	101.882	103.632	
32)	Chlordane...	7.579	7.982	29527	7471565	1.450	558.701	#
33)	Chlordane...	7.663	8.094	17452746	85919	899.690	7.617	#
34)	Chlordane...	0.000	8.763	0	4748	N.D.	1.331	#
35)	Chlordane...	3.828	0.000	12921	0	NoCal	N.D.	
36)	Toxaphene...	7.663	8.353f	17452746	6425794	21609.205	5196.467	#
37)	Toxaphene...	7.968	0.000	29832	0	15.030	N.D.	#
38)	Toxaphene...	8.293f	0.000	9585	0	2.826	N.D.	#
39)	Toxaphene...	8.529	8.763	3213	4748	0.913	1.426	#
40)	Toxaphene...	0.000	8.962	0	12899	N.D.	3.816	#
41)	Toxaphene...	8.812	0.000	10768110	0	3414.736	N.D.	#
42)	Toxaphene...	3.828	0.000	12921	0	NoCal	N.D.	

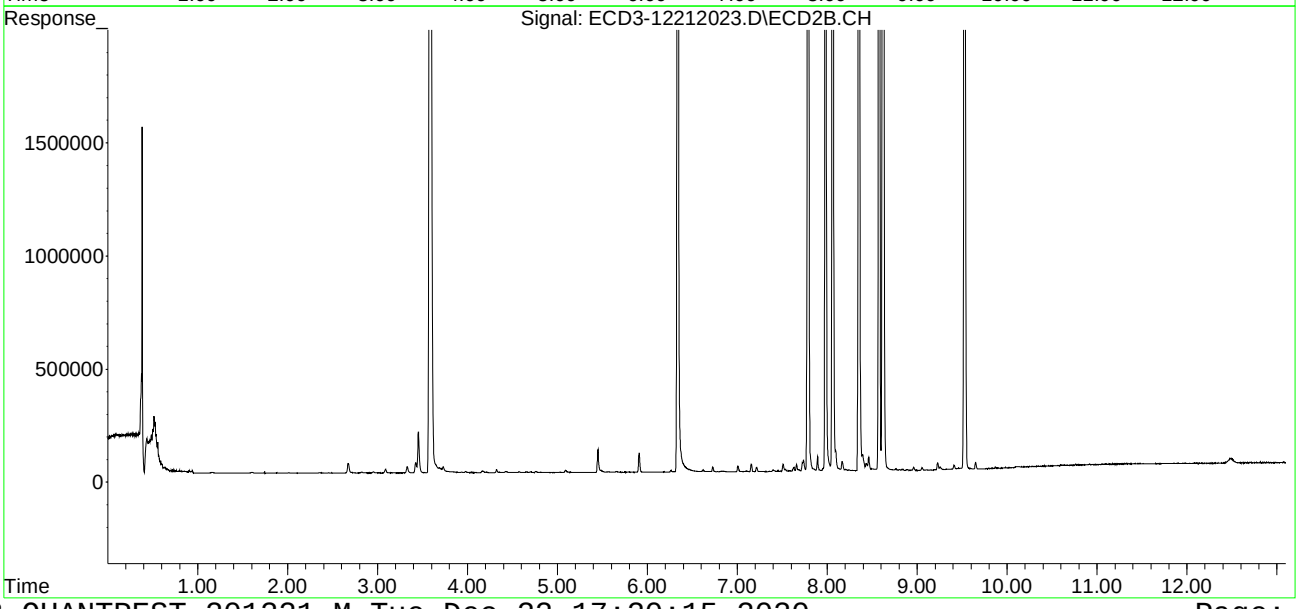
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212023.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 21:45
Operator : MJB
Sample : 0L21060-CALH
Misc : A20I186, 9-42 100 ppb
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:24:36 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212024.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 22:02
Operator : MJB
Sample : 0L21060-CALI
Misc : A20I179, 9-42 200 ppb
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 12/22/20

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:24:45 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.513f	5.910f	239779	152627	1.293	1.237	
22)	S DCBP (S)	9.767	0.000	7871	0	4157.995	N.D.	#
	Target Compounds							
2)	a-BHC	6.092	6.466	12624	13310	0.053	0.090	#
3)	g-BHC	0.000	6.818f	0	5862	N.D.	0.045	#
4)	b-BHC	6.459	6.847	9967	6166	9544.981	2944.364	#
5)	Heptachlor	6.776	7.156	92481	59001	0.473	0.485	
6)	d-BHC	6.610	7.096	12085	8988	0.062	0.076	
7)	Aldrin	7.020	7.448f	5530	7958	0.027	0.064	#
8)	Heptachlo...	7.476	7.892f	21891952	113471	128.505	0.915	#
9)	trans-Chl...	7.579	7.982	53224	13762366	0.285	127.906	#
10)	cis-Chlor...	7.663	8.093	32840229	154903	189.263	1.323	#
11)	Endosulfa...	7.805f	8.167	16384	63642	0.099	0.626	#
12)	4,4'-DDE	7.727	8.205	26552	11375	0.144	0.101	
13)	Dieldrin	7.967	8.354	51672	12147339	0.281	108.424	#
14)	Endrin	8.142	8.576	36263272	12286570	264.050	150.866	#
15)	4,4'-DDD	8.142	8.621	36263272	21220158	252.836	241.570	
16)	Endosulfa...	8.291	8.759f	16198	4477	0.115	0.051	#
17)	4,4'-DDT	8.354	8.841	18694	10474	0.147	0.145	
18)	Endrin Al...	8.576	8.963	67939	23718	BelowCal	BelowCal	
19)	Endosulfa...	8.915f	0.000	93124	0	0.714	N.D.	#
20)	Methoxychlor	8.674	0.000	4367	0	BelowCal	N.D.	
21)	Endrin Ke...	0.000	9.526	0	12343707	N.D.	150.455	#
23)	Hexachlor...	3.338	3.585	31594203	20439210	195.439	197.056	
24)	Hexachlor...	5.929	6.337	34082473	19769914	198.141	197.549	
25)	Oxychlordane	7.410	7.786	29256203	17657674	198.143	196.802	
26)	2,4'-DDE	7.476	7.982	21891952	13762366	201.053	196.424	
27)	trans-Non...	7.663	8.061	32840229	19695456	198.001	195.972	
28)	2,4'-DDD	7.854	8.354	20329070	12147339	199.830	197.950	
29)	2,4'-DDT	8.036	8.576	20500931	12286570	193.068	192.623	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212024.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 22:02
Operator : MJB
Sample : 0L21060-CALI
Misc : A20I179, 9-42 200 ppb
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:24:45 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

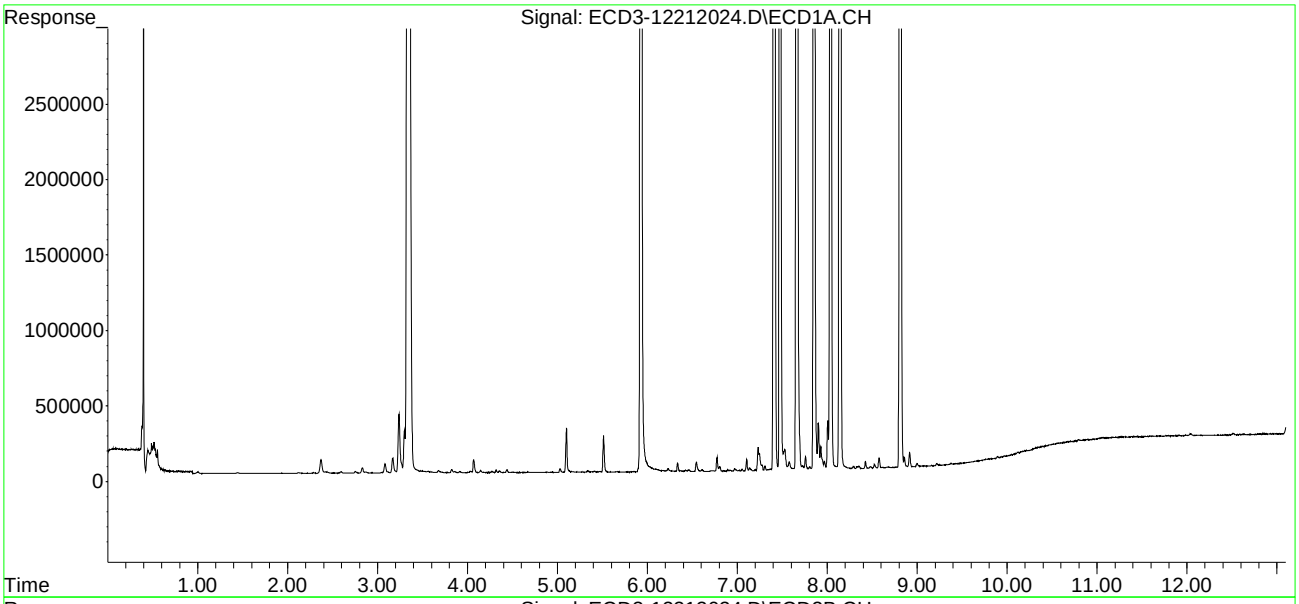
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.142	8.621	36263272	21220158	196.836	196.047	
31)	Mirex	8.812	9.526	21361844	12343707	201.451	200.306	
32)	Chlordane...	7.579	7.982	53224	13762366	2.614	1029.108	#
33)	Chlordane...	7.663	8.093	32840229	154903	1692.915	13.732	#
34)	Chlordane...	0.000	8.759	0	4477	N.D.	1.255	#
35)	Chlordane...	3.826	0.000	21259	0	NoCal	N.D.	
36)	Toxaphene...	7.663	8.354f	32840229	12147339	40661.293	9823.415	#
37)	Toxaphene...	7.967	0.000	51672	0	27.677	N.D.	#
38)	Toxaphene...	8.291	0.000	16198	0	4.776	N.D.	#
39)	Toxaphene...	8.525	8.759	27783	4477	7.892	1.345	#
40)	Toxaphene...	0.000	8.963	0	23718	N.D.	9.431	#
41)	Toxaphene...	8.812	0.000	21361844	0	6774.176	N.D.	#
42)	Toxaphene...	3.826	0.000	21259	0	NoCal	N.D.	

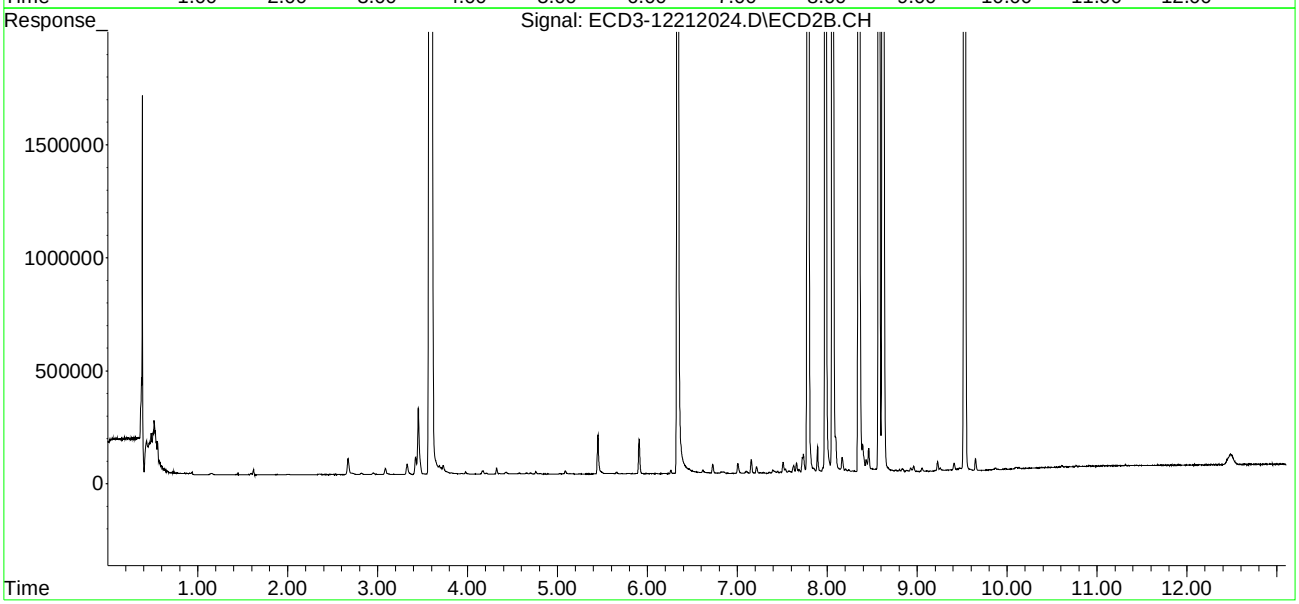
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212024.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 22:02
Operator : MJB
Sample : 0L21060-CALI
Misc : A20I179, 9-42 200 ppb
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:24:45 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212027.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 22:53
Operator : MJB
Sample : 0L21060-CALJ MJB 12/22/20
Misc : A20L365, CHLOR 10 ppb
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:25:13 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	0.000	5.911f	0	9990	N.D.	3500.016	#
22) S	DCBP (S)	9.756	0.000	5830	0	4158.013	N.D.	#
	Target Compounds							
2)	a-BHC	0.000	6.500f	0	4645	N.D.	0.031	#
3)	g-BHC	0.000	0.000	0	0	N.D.	N.D.	
4)	b-BHC	0.000	6.887f	0	6896	N.D.	2944.351	#
5)	Heptachlor	6.776	7.156	111281	70706	0.569	0.581	
6)	d-BHC	6.606	0.000	5576	0	0.029	N.D.	#
7)	Aldrin	0.000	7.458f	0	10353	N.D.	0.083	#
8)	Heptachlo...	7.492	7.824f	18471	33288	44970.961	0.176	#
9)	trans-Chl...	7.580	7.994	226428	150120	1.213	1.212	
10)	cis-Chlor...	7.676	8.101	221559	133909	1.131	1.121	
11)	Endosulfa...	7.796	0.000	5953	0	0.036	N.D.	#
12)	4,4'-DDE	0.000	8.204	0	5026	N.D.	0.045	#
13)	Dieldrin	7.966	8.352	7945	8109	0.043	0.072	#
14)	Endrin	8.141	8.573	46198	4798	0.336	0.059	#
15)	4,4'-DDD	8.141f	8.619	46198	32922	0.322	0.375	
16)	Endosulfa...	8.283	8.718	6329	4157	0.045	0.048	
17)	4,4'-DDT	0.000	0.000	0	0	N.D.	N.D.	
18)	Endrin Al...	8.582	8.955	5296	4066	BelowCal	BelowCal	
19)	Endosulfa...	8.882	0.000	7599	0	0.058	N.D.	#
20)	Methoxychlor	0.000	0.000	0	0	N.D.	N.D.	
21)	Endrin Ke...	9.089	9.536	4383	3131	0.031	0.038	
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
25)	Oxychlordane	7.440f	7.824f	51115	33288	0.124	0.103	
26)	2,4'-DDE	7.492	7.994	18471	150120	5794.709	1.880	#
27)	trans-Non...	7.665	8.061	202680	112698	1.001	0.866	
28)	2,4'-DDD	7.857	8.352	5898	8109	BelowCal	BelowCal	
29)	2,4'-DDT	8.011f	8.573	14068	4798	BelowCal	BelowCal	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212027.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 22:53
Operator : MJB
Sample : 0L21060-CALJ
Misc : A20L365, CHLOR 10 ppb
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:25:13 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

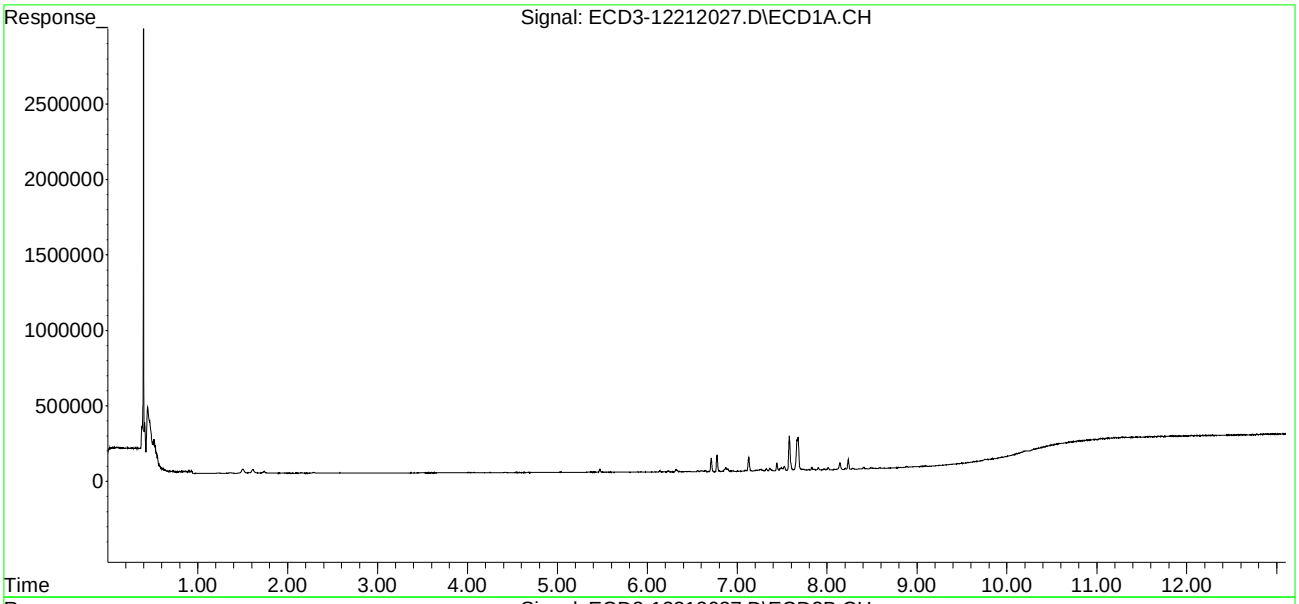
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.141	8.619	46198	32922	0.060	0.058	
31)	Mirex	0.000	9.536	0	3131	N.D.	14372.036	#
32)	Chlordane...	7.580	7.994	226428	150120	11.119	11.226	
33)	Chlordane...	7.676	8.101	221559	133909	11.421	11.871	
34)	Chlordane...	8.233	8.755	66217	40731	11.002	11.415	
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.665	8.334	202680	3584	250.949	2.899	#
37)	Toxaphene...	7.966	8.674	7945	4216	2.369	3.003	
38)	Toxaphene...	8.283	8.718	6329	4157	1.866	2.072	
39)	Toxaphene...	8.503	8.755	3639	40731	1.034	12.237	#
40)	Toxaphene...	0.000	8.955	0	4066	N.D.	BelowCal	
41)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

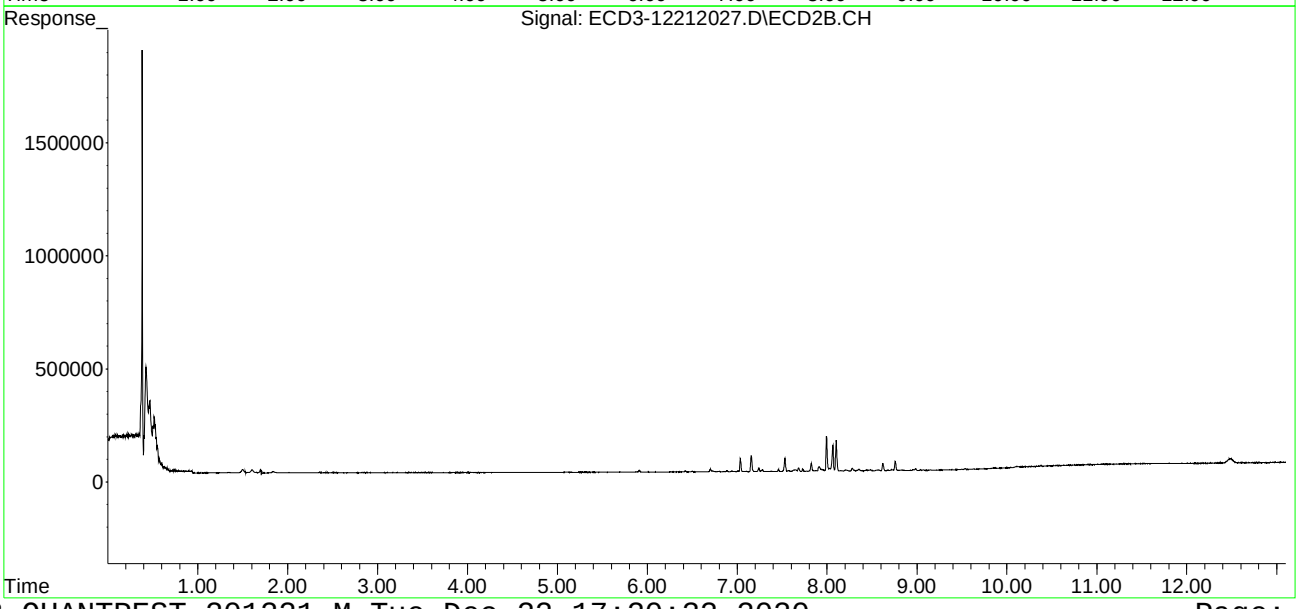
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212027.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 22:53
Operator : MJB
Sample : 0L21060-CALJ
Misc : A20L365, CHLOR 10 ppb
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:25:13 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212028.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 23:10
Operator : MJB
Sample : 0L21060-CALK
Misc : A20L139, CHLOR 50 ppb
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 12/22/20

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:25:20 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	0.000	5.910f	0	44384	N.D.	0.244	#
22) S	DCBP (S)	0.000	10.354f	0	1457	N.D.	2751.282	#
	Target Compounds							
2)	a-BHC	0.000	6.498f	0	19693	N.D.	0.133	#
3)	g-BHC	0.000	6.796	0	8227	N.D.	0.063	#
4)	b-BHC	6.469	6.886f	13798	28503	9544.938	0.289	#
5)	Heptachlor	6.776	7.155	484368	307260	2.477	2.525	
6)	d-BHC	6.623	0.000	15413	0	0.079	N.D.	#
7)	Aldrin	7.030	7.457f	4968	49412	0.025	0.395	#
8)	Heptachlo...	7.492	7.872	81457	20019	0.326	0.053	#
9)	trans-Chl...	7.579	7.994	1020369	681639	5.467	6.070	
10)	cis-Chlor...	7.676	8.101	997730	573304	5.722	5.344	
11)	Endosulfa...	7.795	8.166	30018	12273	0.182	0.121	
12)	4,4'-DDE	7.738	8.219	30674	19767	0.166	0.175	
13)	Dieldrin	7.966	8.353	38319	37827	0.208	0.338	#
14)	Endrin	8.140	8.570	189953	15820	1.383	0.194	#
15)	4,4'-DDD	8.140f	8.620	189953	127640	1.324	1.453	
16)	Endosulfa...	8.280	8.734	20351	15072	0.144	0.173	
17)	4,4'-DDT	0.000	8.833	0	11838	N.D.	0.164	#
18)	Endrin Al...	8.594	8.983f	5498	37498	BelowCal	BelowCal	
19)	Endosulfa...	8.881	9.172	12855	3040	0.099	0.041	#
20)	Methoxychlor	8.661f	0.000	3877	0	BelowCal	N.D.	
21)	Endrin Ke...	0.000	9.539	0	5397	N.D.	0.066	#
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
25)	Oxychlordane	7.439f	7.765f	221908	10104	1.307	24475.404	#
26)	2,4'-DDE	7.492	7.994	81457	681639	0.510	9.350	#
27)	trans-Non...	7.664	8.061	905164	495930	5.217	4.675	
28)	2,4'-DDD	7.857	8.353	30836	37827	0.115	0.357	#
29)	2,4'-DDT	8.011f	8.570	75364	15820	0.622	0.044	#

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212028.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 23:10
Operator : MJB
Sample : 0L21060-CALK
Misc : A20L139, CHLOR 50 ppb
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:25:20 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

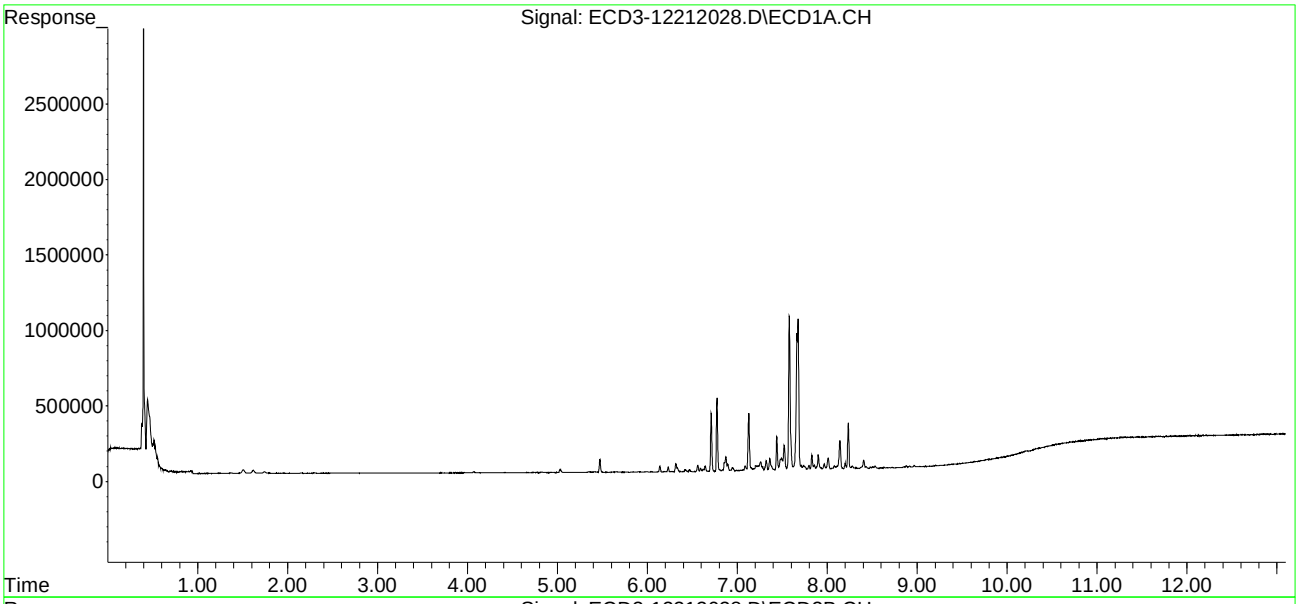
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.140	8.620	189953	127640	0.881	0.956	
31)	Mirex	0.000	9.539	0	5397	N.D.	14372.000	#
32)	Chlordane...	7.579	7.994	1020369	681639	50.108	50.971	
33)	Chlordane...	7.676	8.101	997730	573304	51.433	50.824	
34)	Chlordane...	8.233	8.755	305467	181167	50.754	50.772	
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.664	8.333	905164	18747	1120.733	15.160	#
37)	Toxaphene...	7.966	8.673	38319	22450	19.943	15.988	
38)	Toxaphene...	8.280	8.710	20351	14890	6.000	7.421	
39)	Toxaphene...	8.506	8.755	13734	181167	3.902	54.427	#
40)	Toxaphene...	8.720f	8.983f	4554	37498	1.680	16.581	#
41)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

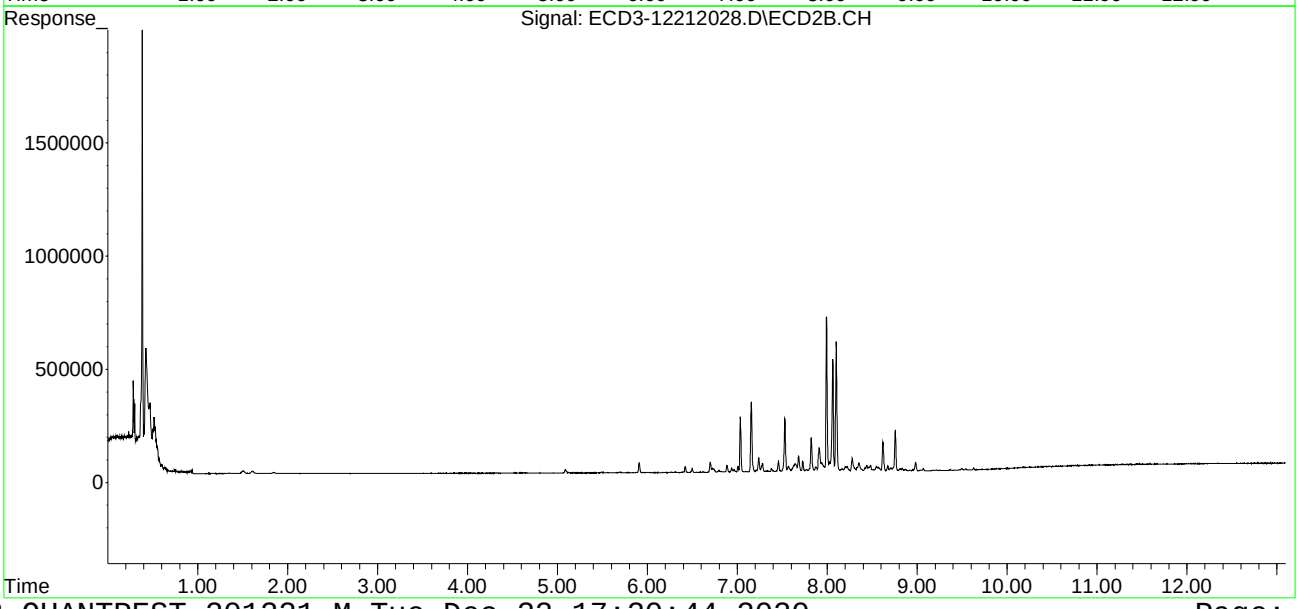
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212028.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 23:10
Operator : MJB
Sample : 0L21060-CALK
Misc : A20L139, CHLOR 50 ppb
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:25:20 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212029.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 23:27
Operator : MJB
Sample : 0L21060-CALL MJB 12/22/20
Misc : A20L140, CHLOR 100 ppb
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:25:28 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	0.000	5.910f	0	82364	N.D.	0.593	#
22) S	DCBP (S)	9.770	10.383	3108	5066	4158.038	2751.223	
	Target Compounds							
2)	a-BHC	0.000	6.498f	0	35568	N.D.	0.240	#
3)	g-BHC	6.422f	6.794	29814	15050	0.143	0.116	
4)	b-BHC	6.468	6.885f	27873	50880	0.124	0.682	#
5)	Heptachlor	6.775	7.154	933328	571908	4.772	4.701	
6)	d-BHC	6.622	0.000	29731	0	0.152	N.D.	#
7)	Aldrin	7.031	7.456f	13346	87229	0.066	0.698	#
8)	Heptachlo...	7.492	7.872	152448	37201	0.742	0.212	#
9)	trans-Chl...	7.578	7.993	1948102	1319101	10.438	11.905	
10)	cis-Chlor...	7.675	8.100	1860231	1091683	10.816	10.336	
11)	Endosulfa...	7.794	8.164	59177	23807	0.359	0.234	
12)	4,4'-DDE	7.737	8.219	60088	35695	0.326	0.317	
13)	Dieldrin	7.965	8.352	75255	82847	0.409	0.739	#
14)	Endrin	8.140	8.570	354457	29856	2.581	0.367	#
15)	4,4'-DDD	8.140f	8.619	354457	229685	2.471	2.615	
16)	Endosulfa...	8.279	8.709	41295	27952	0.292	0.321	
17)	4,4'-DDT	8.322f	8.857	18121	11282	0.143	0.156	
18)	Endrin Al...	8.592	8.982f	10496	67565	BelowCal	0.242	
19)	Endosulfa...	8.880	9.170	22910	6261	0.176	0.084	#
20)	Methoxychlor	8.692	0.000	7180	0	BelowCal	N.D.	
21)	Endrin Ke...	9.067f	9.539	2349	9908	0.017	0.121	#
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)	Hexachlor...	5.900f	6.305f	4236	5116	BelowCal	3052.576	
25)	Oxychlordane	7.404	7.767	17581	18497	BelowCal	24475.312	
26)	2,4'-DDE	7.492	7.993	152448	1319101	1.140	18.322	#
27)	trans-Non...	7.663	8.059	1715757	953602	10.083	9.223	
28)	2,4'-DDD	7.856	8.352	60291	82847	0.412	1.094	#
29)	2,4'-DDT	8.010f	8.570	146404	29856	1.389	0.305	#

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212029.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 23:27
Operator : MJB
Sample : 0L21060-CALL
Misc : A20L140, CHLOR 100 ppb
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:25:28 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

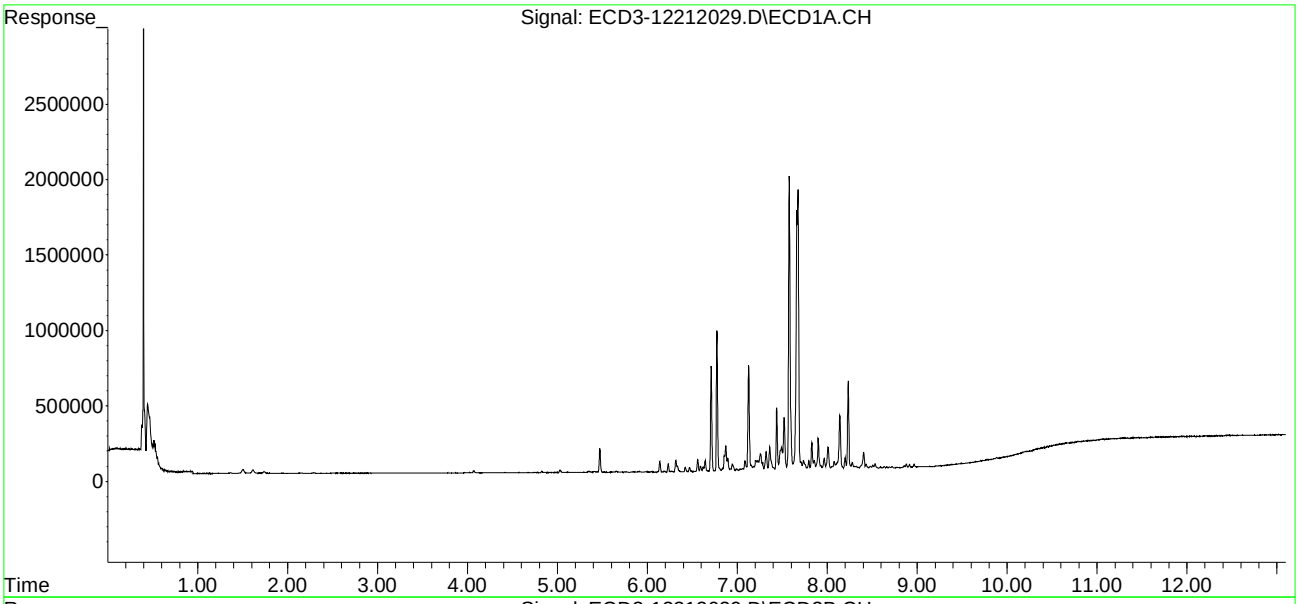
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.140	8.619	354457	229685	1.820	1.922	
31)	Mirex	0.000	9.539	0	9908	N.D.	14371.927	#
32)	Chlordane...	7.578	7.993	1948102	1319101	95.668	98.638	
33)	Chlordane...	7.675	8.100	1860231	1091683	95.895	96.779	
34)	Chlordane...	8.232	8.754	581747	348174	96.658	97.576	
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.663	8.332	1715757	35386	2124.373	28.616	#
37)	Toxaphene...	7.965	8.673	75255	41066	41.350	29.245	
38)	Toxaphene...	8.279	8.709	41295	27952	12.175	13.930	
39)	Toxaphene...	8.506	8.754	24272	348174	6.895	104.600	#
40)	Toxaphene...	8.720f	8.982f	10088	67565	3.720	32.180	#
41)	Toxaphene...	0.000	9.363f	0	6180	N.D.	3.043	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

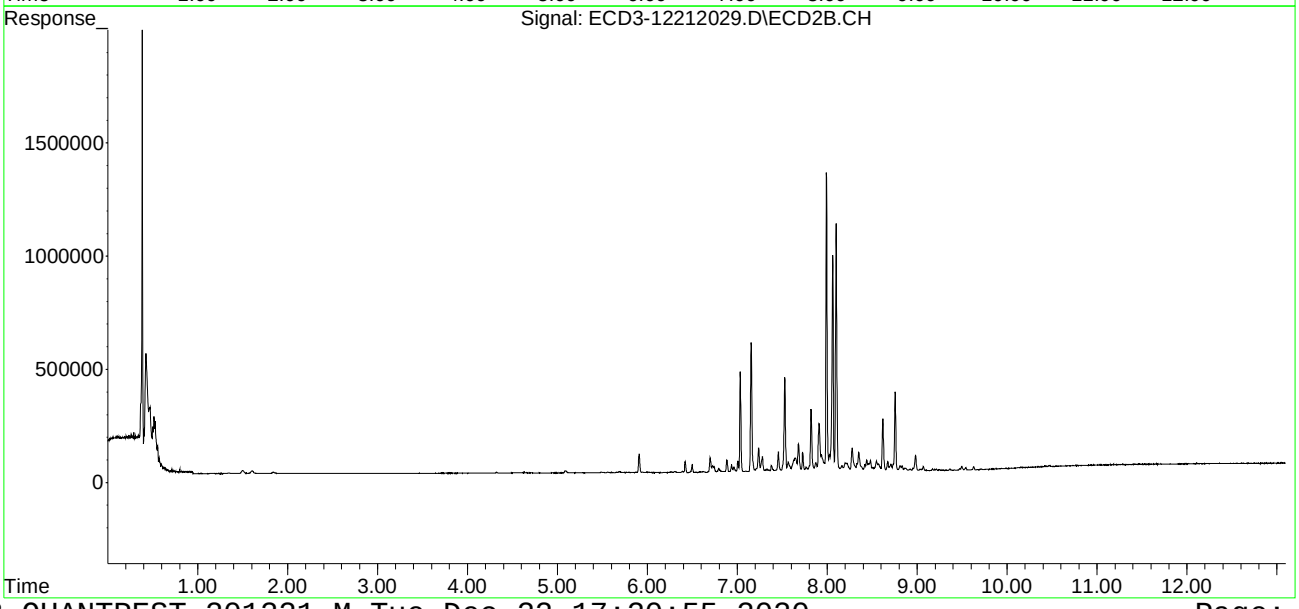
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212029.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 23:27
Operator : MJB
Sample : 0L21060-CALL
Misc : A20L140, CHLOR 100 ppb
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:25:28 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212030.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 23:44
Operator : MJB
Sample : 0L21060-CALM MJB 12/22/20
Misc : A20L141, CHLOR 200 ppb
ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:25:36 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	0.000	5.910f	0	133647	N.D.	1.063	#
22)	S	DCBP (S)	9.770	0.000	7583	0	4157.997	N.D.	#
		Target Compounds							
2)		a-BHC	6.114	6.498f	5371	58047	0.023	0.392	#
3)		g-BHC	0.000	6.795	0	31608	N.D.	0.243	#
4)		b-BHC	6.468	6.885f	46417	89819	0.332	1.368	#
5)		Heptachlor	6.775	7.154	1639319	1002630	8.382	8.241	
6)		d-BHC	6.622	7.094	53271	10295	0.273	0.087	#
7)		Aldrin	7.030	7.427	23558	14901	0.116	0.119	
8)		Heptachlo...	7.491	7.871	260877	65841	1.378	0.476	#
9)		trans-Chl...	7.578	7.993	3672468	2371758	19.677	21.564	
10)		cis-Chlor...	7.674	8.100	3368971	2006346	19.711	19.173	
11)		Endosulfa...	7.794	8.164	102542	41734	0.622	0.410	
12)		4,4'-DDE	7.738	8.219	105450	62920	0.572	0.559	
13)		Dieldrin	7.965	8.351	131463	143844	0.715	1.284	#
14)		Endrin	8.139	8.571	621379	52785	4.525	0.648	#
15)		4,4'-DDD	8.139f	8.619	621379	403518	4.332	4.594	
16)		Endosulfa...	8.279	8.733	74158	50836	0.525	0.584	
17)		4,4'-DDT	8.322f	8.857	33864	20838	0.267	0.288	
18)		Endrin Al...	8.593	8.982f	18522	117639	BelowCal	0.985	
19)		Endosulfa...	8.880	9.170	43028	11019	0.330	0.149	#
20)		Methoxychlor	8.691	0.000	15549	0	0.119	N.D.	#
21)		Endrin Ke...	9.064f	9.539	3467	17211	0.025	0.210	#
23)		Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)		Hexachlor...	5.901f	6.307f	7344	8663	BelowCal	3052.543	
25)		Oxychlordane	7.438f	7.767	717761	32943	4.738	0.099	#
26)		2,4'-DDE	7.491	7.993	260877	2371758	2.103	33.170	#
27)		trans-Non...	7.663	8.060	3156964	1699480	18.739	16.637	
28)		2,4'-DDD	7.856	8.351	107866	143844	0.891	2.092	#
29)		2,4'-DDT	8.050	8.571	33250	52785	0.167	0.730	#

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212030.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 23:44
Operator : MJB
Sample : 0L21060-CALM
Misc : A20L141, CHLOR 200 ppb
ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:25:36 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

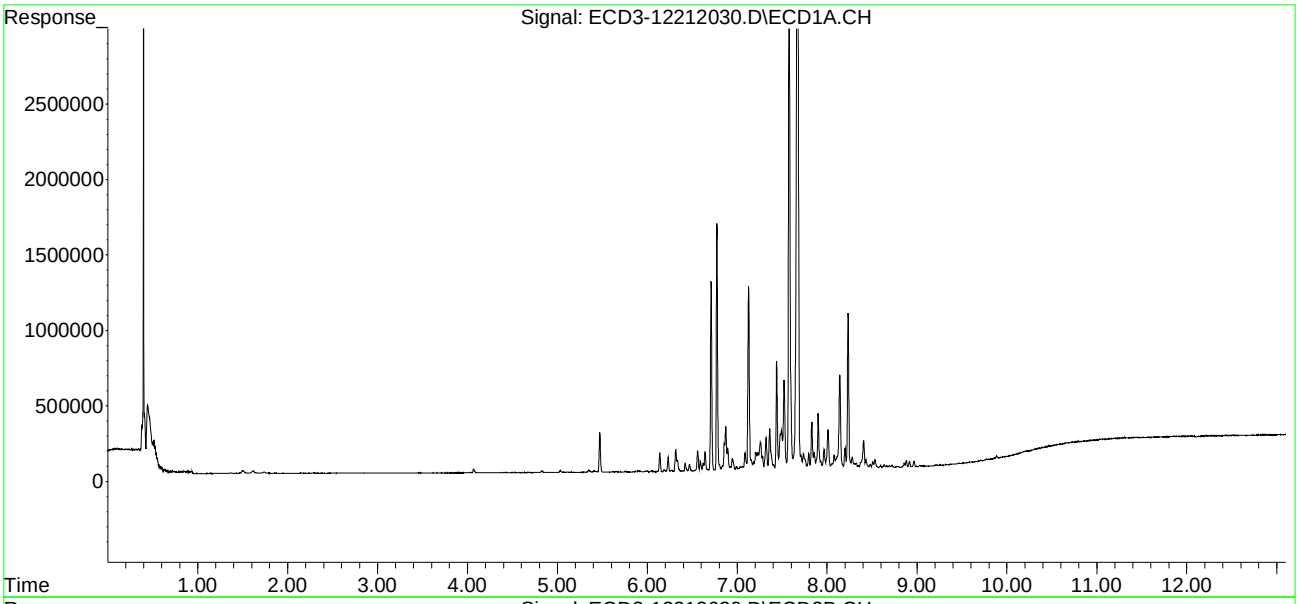
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.139	8.619	621379	403518	3.344	3.568	
31)	Mirex	8.779f	9.539	7381	17211	BelowCal	14371.810	
32)	Chlordane...	7.578	7.993	3672468	2371758	180.348	177.353	
33)	Chlordane...	7.674	8.100	3368971	2006346	173.671	177.866	
34)	Chlordane...	8.232	8.755	1028142	598465	170.827	167.721	
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.663	8.332	3156964	62596	3908.811	50.621	#
37)	Toxaphene...	7.965	8.672	131463	72509	74.002	51.638	
38)	Toxaphene...	8.279	8.708	74158	49332	21.864	24.586	
39)	Toxaphene...	8.506	8.755	42056	598465	11.947	179.794	#
40)	Toxaphene...	8.719f	8.982f	18631	117639	6.871	58.144	#
41)	Toxaphene...	8.779f	9.363f	7381	10630	2.341	5.235	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

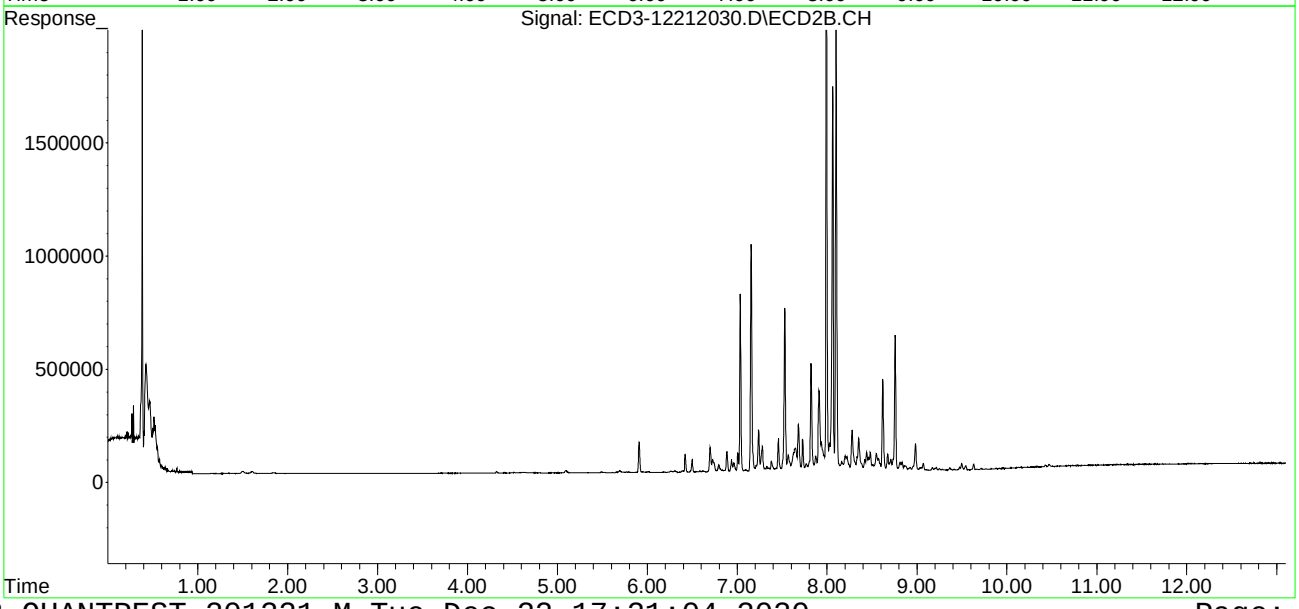
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212030.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 23:44
Operator : MJB
Sample : 0L21060-CALM
Misc : A20L141, CHLOR 200 ppb
ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:25:36 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212031.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Dec 2020 0:01
Operator : MJB
Sample : 0L21060-CALN MJB 12/22/20
Misc : A20L142, CHLOR 500 ppb
ALS Vial : 28 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:26:02 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	0.000	5.910f	0	370388	N.D.	3.237	#
22) S	DCBP (S)	9.768	0.000	16212	0	4157.919	N.D.	#
	Target Compounds							
2)	a-BHC	6.114	6.498f	14212	143154	0.060	0.967	#
3)	g-BHC	6.390	6.795	12661	80316	0.061	0.618	#
4)	b-BHC	6.468	6.838	126407	21455	1.229	0.165	#
5)	Heptachlor	6.775	7.155	4604018	2869370	23.540	23.584	
6)	d-BHC	6.622	7.095	143131	25349	0.733	0.215	#
7)	Aldrin	7.030	7.429	68459	36163	0.338	0.289	
8)	Heptachlo...	7.491	7.871	694117	171657	3.917	1.453	#
9)	trans-Chl...	7.579	7.993	10194639	6750792	54.623	62.044	
10)	cis-Chlor...	7.675	8.100	9343189	5611703	54.717	54.357	
11)	Endosulfa...	7.794	8.164	280290	115124	1.700	1.132	
12)	4,4'-DDE	7.738	8.219	282410	161434	1.532	1.433	
13)	Dieldrin	7.965	8.351	351339	468997	1.910	4.186	#
14)	Endrin	8.140	8.571	1739220	144146	12.664	1.770	#
15)	4,4'-DDD	8.140f	8.619	1739220	1125353	12.126	12.811	
16)	Endosulfa...	8.279	8.708	214371	137486	1.518	1.579	
17)	4,4'-DDT	8.322f	8.858	103742	54840	0.818	0.758	
18)	Endrin Al...	8.592	8.982f	53992	319432	BelowCal	3.973	
19)	Endosulfa...	8.880	9.170	117031	29018	0.898	0.391	#
20)	Methoxychlor	8.691	9.279f	47992	7862	0.676	0.073	#
21)	Endrin Ke...	9.090	9.539	6890	50387	0.049	0.614	#
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)	Hexachlor...	5.900f	6.305f	25053	20650	BelowCal	3052.431	
25)	Oxychlordane	7.403	7.767	97467	84507	0.445	0.670	#
26)	2,4'-DDE	7.491	7.993	694117	6750792	5.954	95.362	#
27)	trans-Non...	7.664	8.060	8686769	4879886	51.992	48.268	
28)	2,4'-DDD	7.856	8.351	306927	468997	2.895	7.411	#
29)	2,4'-DDT	8.051	8.571	103626	144146	0.928	2.423	#

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212031.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Dec 2020 0:01
Operator : MJB
Sample : 0L21060-CALN
Misc : A20L142, CHLOR 500 ppb
ALS Vial : 28 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:26:02 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

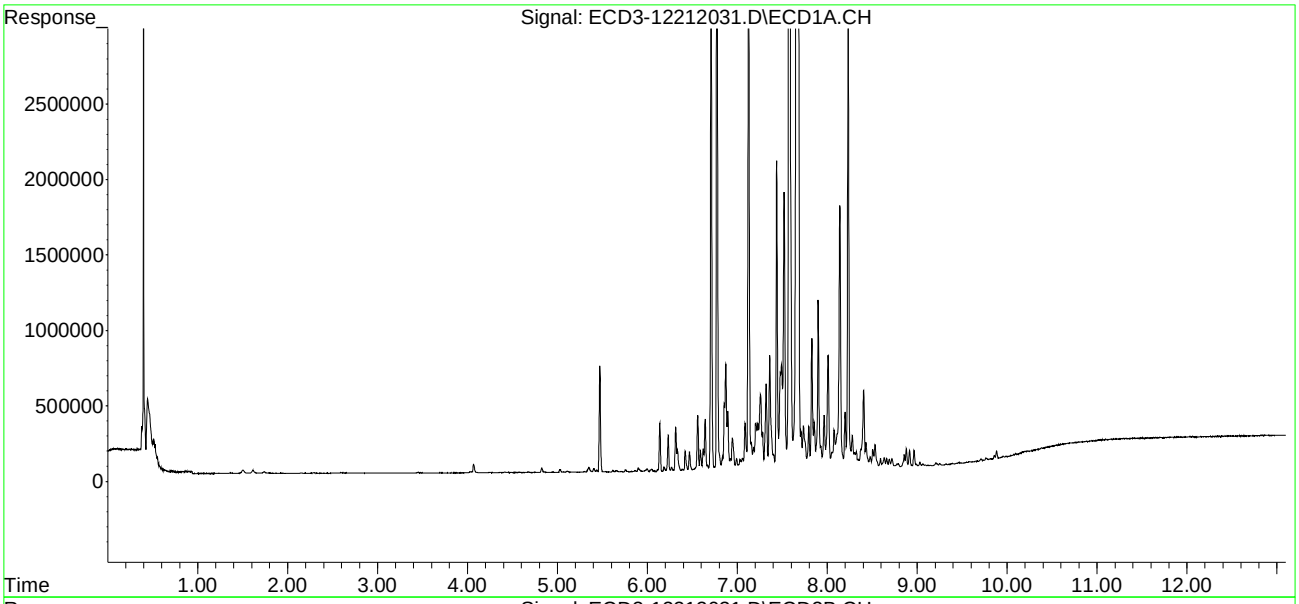
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.140	8.619	1739220	1125353	9.709	10.396	
31)	Mirex	8.793	9.539	15406	50387	BelowCal	0.442	
32)	Chlordane...	7.579	7.993	10194639	6750792	500.639	504.804	
33)	Chlordane...	7.675	8.100	9343189	5611703	481.642	497.486	
34)	Chlordane...	8.232	8.755	2989480	1765462	496.705	494.774	
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.664	8.351f	8686769	468997	10755.567	379.272	#
37)	Toxaphene...	7.965	8.673	351339	190320	202.628	135.538	
38)	Toxaphene...	8.279	8.708	214371	137486	63.203	68.520	
39)	Toxaphene...	8.506	8.755	117244	1765462	33.306	530.389	#
40)	Toxaphene...	8.720f	8.982f	52944	319432	19.525	162.604	#
41)	Toxaphene...	8.793f	9.362f	15406	27177	4.885	13.383	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

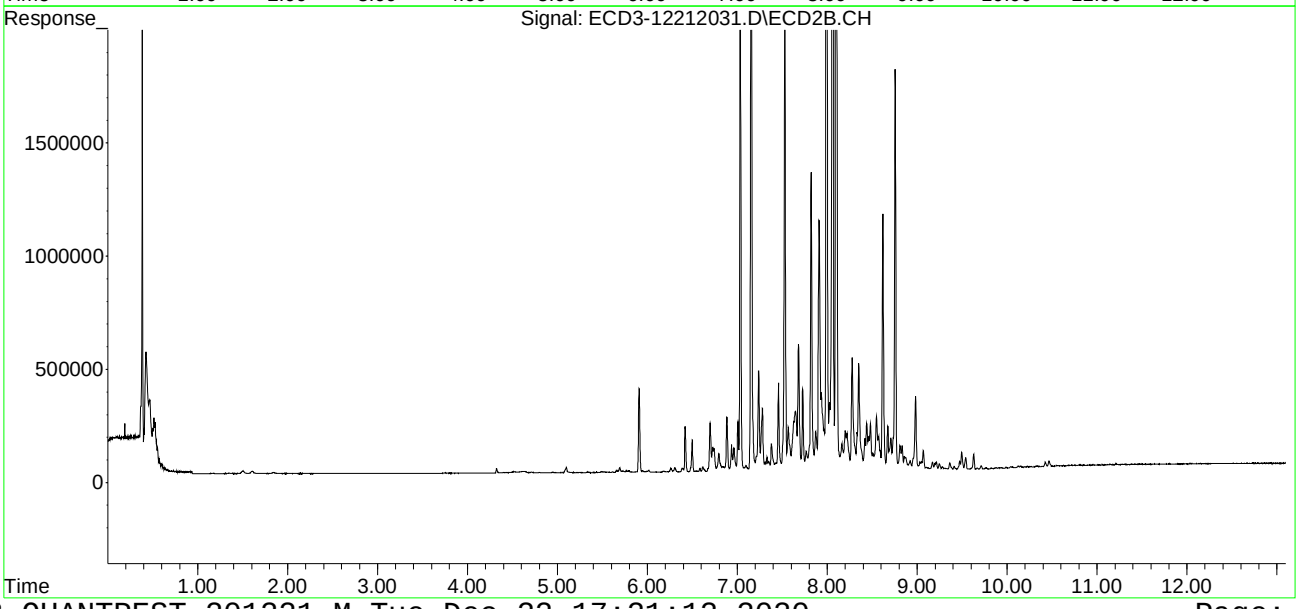
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212031.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Dec 2020 0:01
Operator : MJB
Sample : 0L21060-CALN
Misc : A20L142, CHLOR 500 ppb
ALS Vial : 28 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:26:02 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212032.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Dec 2020 0:18
Operator : MJB
Sample : 0L21060-CALO MJB 12/22/20
Misc : A20L143, CHLOR 1000 ppb
ALS Vial : 29 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:26:11 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	5.541	5.910f	8407	831126	0.045	7.476	#
22) S	DCBP (S)	9.769	0.000	29271	0	0.081	N.D.	#
	Target Compounds							
2)	a-BHC	6.081	6.498f	9271	270315	0.039	1.826	#
3)	g-BHC	6.389	6.794	24439	163585	0.117	1.258	#
4)	b-BHC	6.468	6.839	264551	40753	2.779	0.504	#
5)	Heptachlor	6.775	7.155	9730041	6105860	49.749	50.186	
6)	d-BHC	6.622	7.095	295164	51425	1.511	0.435	#
7)	Aldrin	7.030	7.428	139868	72530	0.690	0.580	
8)	Heptachlo...	7.492	7.870	1458502	343731	8.397	3.042	#
9)	trans-Chl...	7.578	7.992	21287919	14043489	114.061	130.575	
10)	cis-Chlor...	7.674	8.100	20525304	11546079	119.354	113.553	
11)	Endosulfa...	7.793	8.165	572041	259729	3.469	2.553	
12)	4,4'-DDE	7.737	8.218	597742	325958	3.242	2.894	
13)	Dieldrin	7.964	8.351	706386	1173919	3.839	10.478	#
14)	Endrin	8.140	8.570	3650529	301731	26.581	3.705	#
15)	4,4'-DDD	8.140f	8.619	3650529	2358855	25.452	26.853	
16)	Endosulfa...	8.279	8.708	457683	299253	3.241	3.438	
17)	4,4'-DDT	8.348	8.857	116672	124713	0.920	1.724	#
18)	Endrin Al...	8.592	8.982f	125343	673409	0.380	9.204	#
19)	Endosulfa...	8.879	9.170	248541	72015	1.906	0.971	#
20)	Methoxychlor	8.690	9.305	110828	17563	1.754	0.360	#
21)	Endrin Ke...	9.089	9.539	16311	113798	0.116	1.387	#
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)	Hexachlor...	5.951f	6.305f	7856	35421	BelowCal	0.070	
25)	Oxychlordane	7.403	7.766f	199284	169297	1.150	1.608	
26)	2,4'-DDE	7.492	7.992	1458502	14043489	12.760	200.515	#
27)	trans-Non...	7.674	8.059	20525304	9949527	123.400	98.744	
28)	2,4'-DDD	7.855	8.351	618208	1173919	6.027	18.941	#
29)	2,4'-DDT	8.051	8.570	222477	301731	2.209	5.329	#

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212032.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Dec 2020 0:18
Operator : MJB
Sample : 0L21060-CALO
Misc : A20L143, CHLOR 1000 ppb
ALS Vial : 29 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:26:11 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

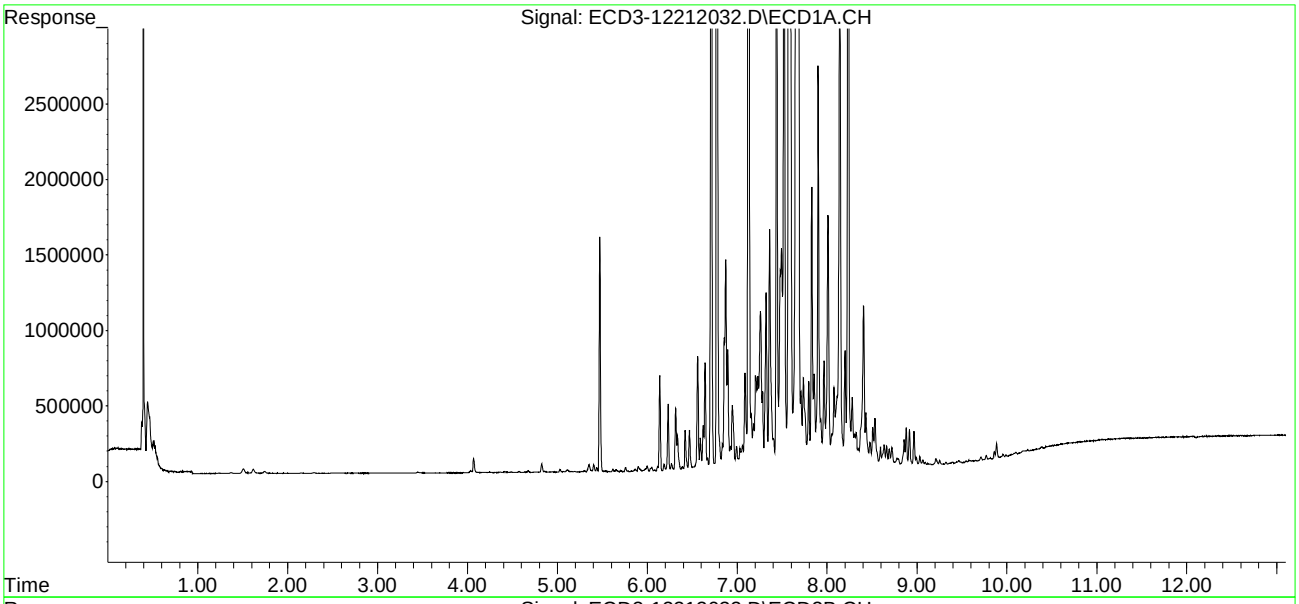
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.140	8.619	3650529	2358855	20.543	22.037	
31)	Mirex	8.792	9.539	44111	113798	0.061	1.459	#
32)	Chlordane...	7.578	7.992	21287919	14043489	1045.409	1050.130	
33)	Chlordane...	7.674	8.100	20525304	11546079	1058.080	1023.578	
34)	Chlordane...	8.232	8.754	6501835	3778798	1080.285	1059.016	
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.674	8.351f	20525304	1173919	25413.507	949.335	#
37)	Toxaphene...	7.964	8.672	706386	402136	413.444	286.385	
38)	Toxaphene...	8.279	8.708	457683	299253	134.938	149.140	
39)	Toxaphene...	8.506	8.754	255780	3778798	72.661	1135.245	#
40)	Toxaphene...	8.720f	8.982f	120352	673409	44.385	345.187	#
41)	Toxaphene...	8.792f	9.305	44111	17563	13.988	8.649	
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

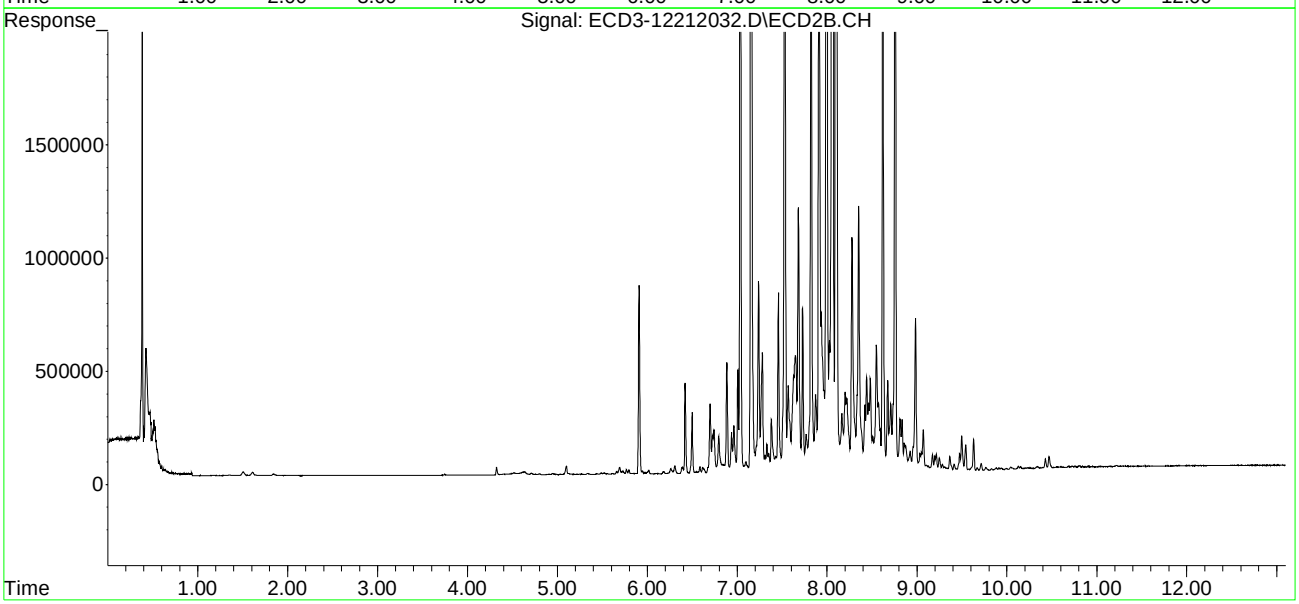
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212032.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Dec 2020 0:18
Operator : MJB
Sample : 0L21060-CALO
Misc : A20L143, CHLOR 1000 ppb
ALS Vial : 29 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:26:11 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212033.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Dec 2020 0:35
Operator : MJB
Sample : 0L21060-CALP MJB 12/22/20
Misc : A20L138, CHLOR 2000 ppb
ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:26:19 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1)	S TCMX (S)	5.539	5.909f	16578	1521629	0.089	13.849	#
22)	S DCBP (S)	9.768	10.394	55883	8554	0.322	2751.166	#
	Target Compounds							
2)	a-BHC	6.112	6.497f	51209	475466	0.215	3.213	#
3)	g-BHC	6.389	6.794	45905	274861	0.220	2.114	#
4)	b-BHC	6.467	6.838	467362	66720	5.055	0.961	#
5)	Heptachlor	6.774	7.154	17715501	11024180	90.578	90.611	
6)	d-BHC	6.621	7.095	517666	83580	2.650	0.708	#
7)	Aldrin	7.029	7.426	247248	121552	1.220	0.973	
8)	Heptachlo...	7.491	7.870	2651256	614415	15.391	5.545	#
9)	trans-Chl...	7.578	7.992	39943825	24744140	214.019	233.824	
10)	cis-Chlor...	7.674	8.099	38042014	20771475	218.408	209.047	
11)	Endosulfa...	7.793	8.163	1052822	468910	6.385	4.609	
12)	4,4'-DDE	7.737	8.218	1091492	577742	5.921	5.129	
13)	Dieldrin	7.963	8.350	1301683	2290896	7.075	20.448	#
14)	Endrin	8.139	8.569	6745307	549801	49.116	6.751	#
15)	4,4'-DDD	8.139f	8.618	6745307	4345466	47.030	49.469	
16)	Endosulfa...	8.278	8.706	837358	540070	5.930	6.204	
17)	4,4'-DDT	8.347	8.856	210132	226604	1.657	3.133	#
18)	Endrin Al...	8.591	8.981f	219707	1248372	1.207	17.667	#
19)	Endosulfa...	8.879	9.169	435903	129972	3.344	1.752	#
20)	Methoxychlor	8.690	9.304	209292	34065	3.442	0.847	#
21)	Endrin Ke...	9.087	9.538	29684	200622	0.212	2.445	#
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)	Hexachlor...	5.949f	6.303f	15309	58928	BelowCal	0.290	
25)	Oxychlordane	7.403	7.766f	353964	295258	2.221	3.003	
26)	2,4'-DDE	7.491	7.992	2651256	24744140	23.412	358.599	#
27)	trans-Non...	7.663	8.059	35327839	18289995	213.111	181.935	
28)	2,4'-DDD	7.854	8.350	1140689	2290896	11.279	37.202	#
29)	2,4'-DDT	8.050	8.569	406730	549801	4.192	9.873	#

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212033.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Dec 2020 0:35
Operator : MJB
Sample : 0L21060-CALP
Misc : A20L138, CHLOR 2000 ppb
ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:26:19 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

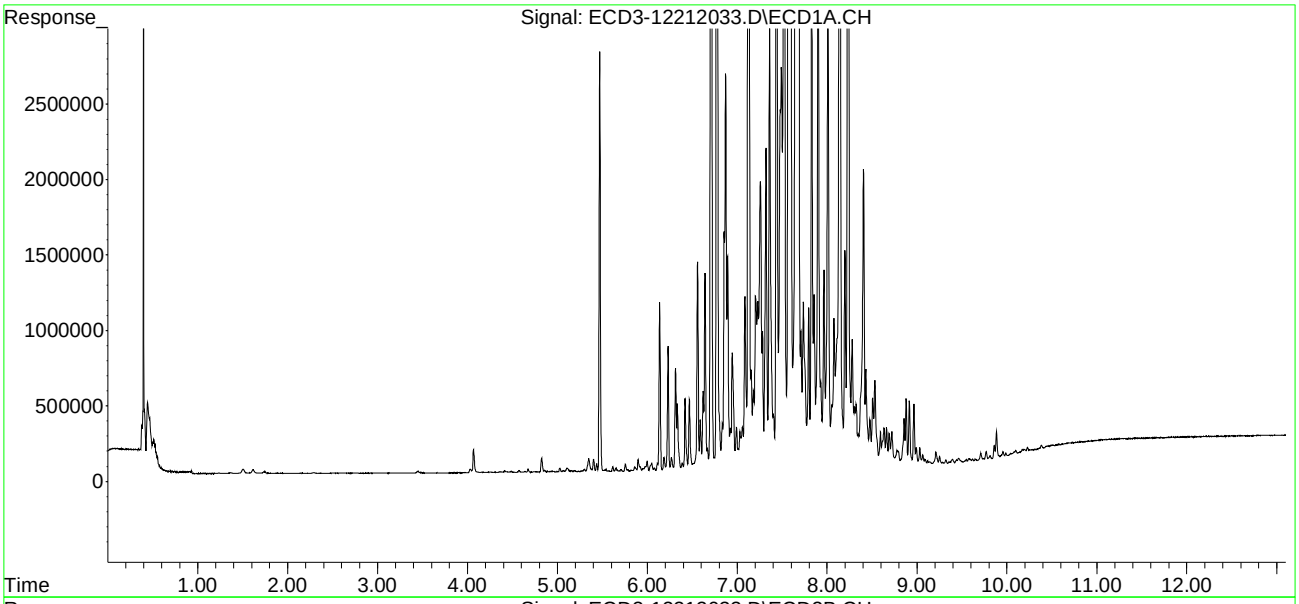
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.139	8.618	6745307	4345466	37.959	40.715	
31)	Mirex	8.792	9.538	86602	200622	0.467	2.851	#
32)	Chlordane...	7.578	7.992	39943825	24744140	1961.565	1850.292	
33)	Chlordane...	7.674	8.099	38042014	20771475	1961.067	1841.424	
34)	Chlordane...	8.231	8.754	11920862	6994562	1980.661	1960.239	
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.663	8.350f	35327839	2290896	43741.340	1852.621	#
37)	Toxaphene...	7.963	8.671	1301683	733139	776.102	522.112	
38)	Toxaphene...	8.278	8.706	837358	540070	246.876	269.156	
39)	Toxaphene...	8.505	8.754f	446419	6994562	126.818	2101.340	#
40)	Toxaphene...	8.719f	8.981f	219811	1248372	81.065	639.998	#
41)	Toxaphene...	8.792f	9.333	86602	26116	27.463	12.861	#
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

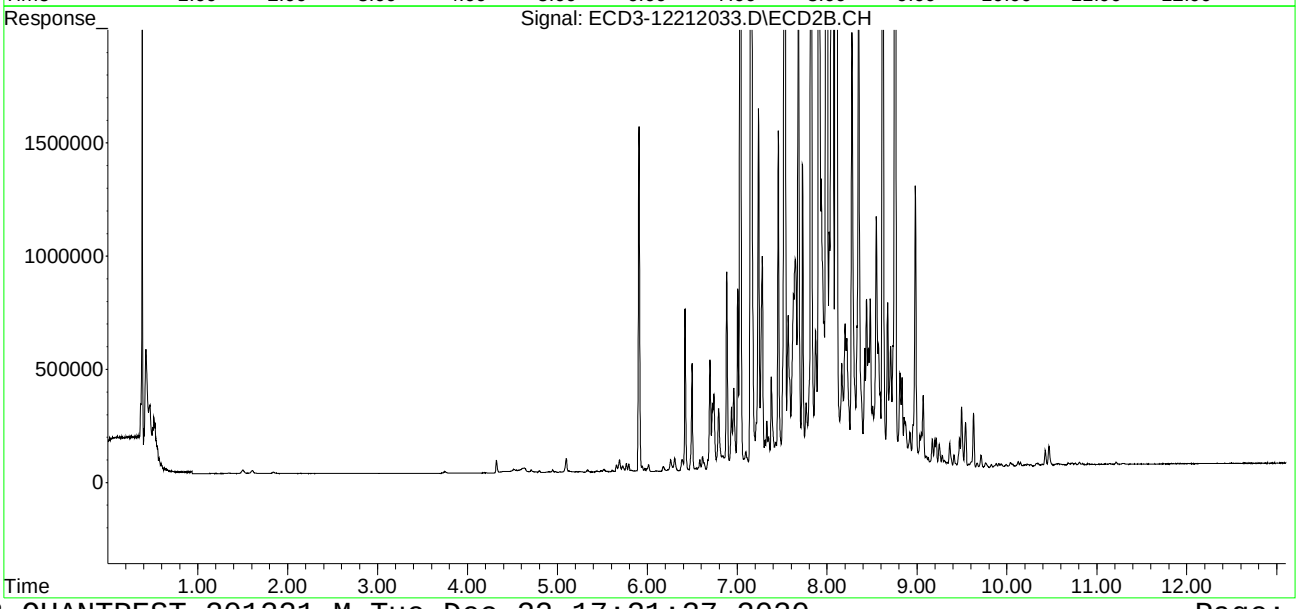
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212033.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Dec 2020 0:35
Operator : MJB
Sample : 0L21060-CALP
Misc : A20L138, CHLOR 2000 ppb
ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:26:19 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212036.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Dec 2020 1:27
Operator : MJB
Sample : 0L21060-CALQ MJB 12/22/20
Misc : A20L366, TOX 10 ppb
ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 17:55:21 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	0.000	0.000	0	0	N.D.	N.D.	
22) S	DCBP (S)	9.751	10.376	5611	2264	4158.015	2751.269	
	Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)	g-BHC	0.000	0.000	0	0	N.D.	N.D.	
4)	b-BHC	0.000	0.000	0	0	N.D.	N.D.	
5)	Heptachlor	0.000	0.000	0	0	N.D.	N.D.	
6)	d-BHC	6.609	0.000	5359	0	0.027	N.D.	#
7)	Aldrin	0.000	0.000	0	0	N.D.	N.D.	
8)	Heptachlo...	0.000	7.852	0	4891	N.D.	3530.571	#
9)	trans-Chl...	7.574	7.993	7354	2871	0.039	6778.230	#
10)	cis-Chlor...	7.675	8.127f	6312	3087	BelowCal	4425.619	
11)	Endosulfa...	7.785	8.160	9405	4022	0.057	0.040	
12)	4,4'-DDE	7.701f	8.220	5945	4963	0.032	0.044	
13)	Dieldrin	7.956	8.367	21187	5453	0.115	0.049	#
14)	Endrin	8.135	8.566	24438	11448	0.178	0.141	
15)	4,4'-DDD	8.153	8.619	21763	7799	0.152	0.089	#
16)	Endosulfa...	8.274	8.709	38432	23010	0.272	0.264	
17)	4,4'-DDT	8.359	8.835	33205	7686	0.262	0.106	#
18)	Endrin Al...	8.598	8.954	21555	24628	BelowCal	BelowCal	
19)	Endosulfa...	8.879	9.147	16314	7908	0.125	0.107	
20)	Methoxychlor	8.671	9.325	18264	23921	0.166	0.548	#
21)	Endrin Ke...	9.083	0.000	6734	0	0.048	N.D.	#
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
25)	Oxychlordane	7.412	7.801	3323	4480	BelowCal	24475.467	
26)	2,4'-DDE	0.000	7.993	0	2871	N.D.	11271.867	#
27)	trans-Non...	7.659	8.038f	7894	4794	34192.569	74602.265	#
28)	2,4'-DDD	7.876f	8.367	10656	5453	BelowCal	BelowCal	
29)	2,4'-DDT	8.018	8.566	18349	11448	0.006	BelowCal	#

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212036.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Dec 2020 1:27
Operator : MJB
Sample : 0L21060-CALQ
Misc : A20L366, TOX 10 ppb
ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 17:55:21 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

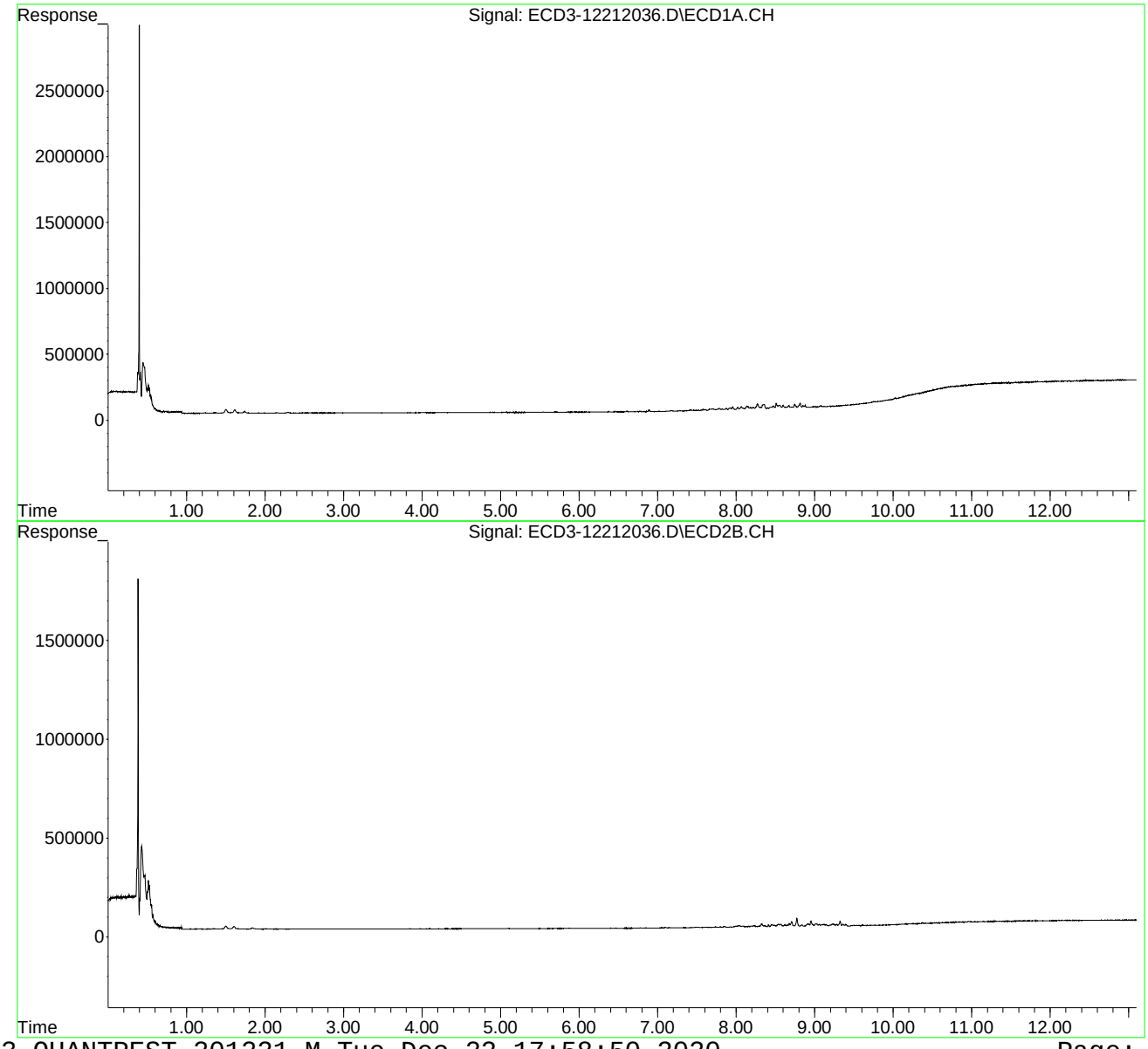
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.135	8.619	24438	7799	BelowCal	BelowCal	
31)	Mirex	8.814	0.000	35391	0	BelowCal	N.D.	
32)	Chlordane...	7.574	7.993	7354	2871	0.361	0.215	#
33)	Chlordane...	7.675	8.127f	6312	3087	0.325	0.274	
34)	Chlordane...	8.219	8.775f	12062	39642	2.004	11.110	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.659	8.327	7894	13303	9.774	10.758	
37)	Toxaphene...	7.956	8.674	21187	14637	9.910	10.424	
38)	Toxaphene...	8.274	8.709	38432	23010	11.331	11.468	
39)	Toxaphene...	8.511	8.775	38941	39642	11.062	11.910	
40)	Toxaphene...	8.745	8.954	27799	24628	10.252	9.903	
41)	Toxaphene...	8.814	9.325	35391	23921	11.223	11.780	
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212036.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Dec 2020 1:27
Operator : MJB
Sample : 0L21060-CALQ
Misc : A20L366, TOX 10 ppb
ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 17:55:21 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212037.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Dec 2020 1:44
Operator : MJB
Sample : 0L21060-CALR MJB 12/22/20
Misc : A20K260, TOX 50 ppb
ALS Vial : 33 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 17:55:29 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	0.000	0.000	0	0	N.D.	N.D.	
22) S	DCBP (S)	9.754	0.000	3573	0	4158.033	N.D.	#
	Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)	g-BHC	0.000	0.000	0	0	N.D.	N.D.	
4)	b-BHC	0.000	0.000	0	0	N.D.	N.D.	
5)	Heptachlor	0.000	0.000	0	0	N.D.	N.D.	
6)	d-BHC	0.000	0.000	0	0	N.D.	N.D.	
7)	Aldrin	0.000	7.447f	0	11047	N.D.	0.088	#
8)	Heptachlo...	7.492	7.852	11092	20682	44971.004	0.059	#
9)	trans-Chl...	7.563	8.005	27836	18323	0.149	0.008	#
10)	cis-Chlor...	7.659f	8.128f	40420	25673	0.059	0.082	
11)	Endosulfa...	7.786	8.161	58399	30217	0.354	0.297	
12)	4,4'-DDE	7.739	8.220	23537	36463	0.128	0.324	#
13)	Dieldrin	7.955	8.367	95568	37302	0.519	0.333	
14)	Endrin	8.137	8.568	121309	59087	0.883	0.726	
15)	4,4'-DDD	8.150	8.622	105802	38129	0.738	0.434	#
16)	Endosulfa...	8.274	8.708	176411	109266	1.249	1.255	
17)	4,4'-DDT	8.359	8.835	157962	43234	1.245	0.598	#
18)	Endrin Al...	8.598	8.954	108595	108984	0.233	0.856	#
19)	Endosulfa...	8.879	9.147	61474	40195	0.472	0.542	
20)	Methoxychlor	8.700	9.326	44355	105670	0.614	2.957	#
21)	Endrin Ke...	9.111f	9.548	13239	8386	0.095	0.102	
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
25)	Oxychlordane	7.414	7.800	31614	22725	BelowCal	24475.265	
26)	2,4'-DDE	7.492	7.976	11092	23239	5794.775	0.098	#
27)	trans-Non...	7.659	8.084f	40420	27674	0.027	0.021	
28)	2,4'-DDD	7.859	8.367	35809	37302	0.165	0.349	#
29)	2,4'-DDT	8.019	8.568	94964	59087	0.834	0.847	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212037.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Dec 2020 1:44
Operator : MJB
Sample : 0L21060-CALR
Misc : A20K260, TOX 50 ppb
ALS Vial : 33 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 17:55:29 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

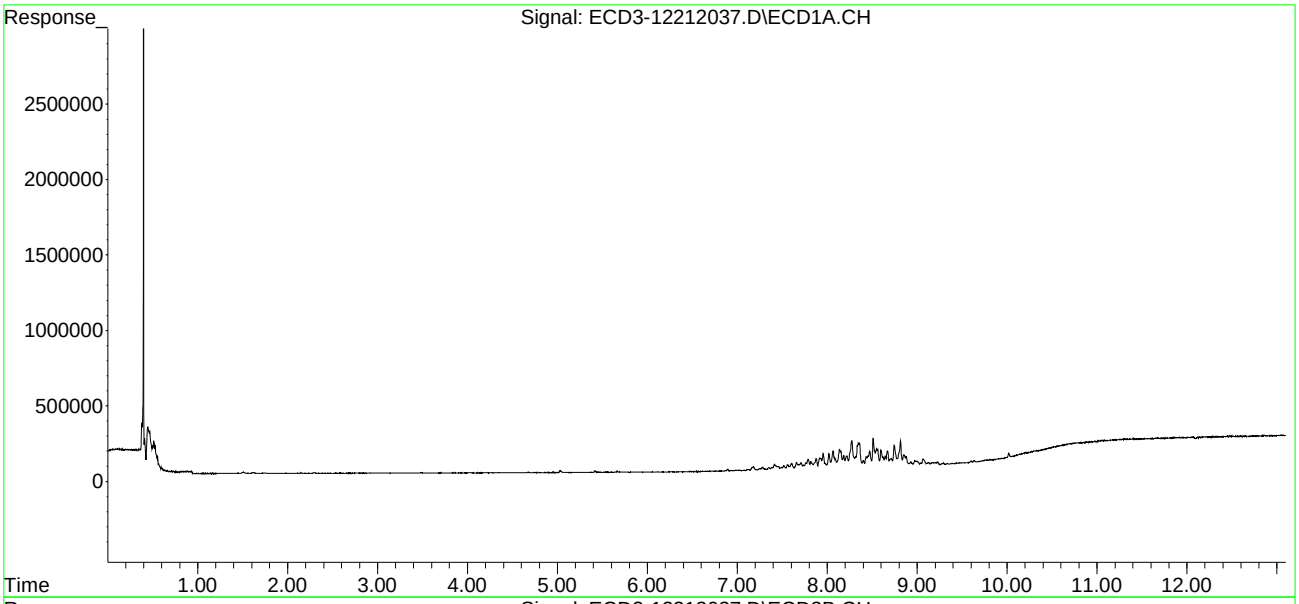
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.137	8.622	121309	38129	0.489	0.108 #
31)	Mirex	8.815	9.548f	165782	8386	1.223	14371.952 #
32)	Chlordane...	7.563	8.005	27836	18323	1.367	1.370
33)	Chlordane...	7.659	8.084	40420	27674	2.084	2.453
34)	Chlordane...	8.216	8.775f	73861	174819	12.272	48.993 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.659	8.326	40420	69277	50.046	56.024
37)	Toxaphene...	7.955	8.675	95568	77592	53.248	55.258
38)	Toxaphene...	8.274	8.708	176411	109266	52.011	54.455
39)	Toxaphene...	8.512	8.775	185856	174819	52.797	52.520
40)	Toxaphene...	8.744	8.954	136928	108984	50.498	53.657
41)	Toxaphene...	8.815	9.326	165782	105670	52.572	52.036
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

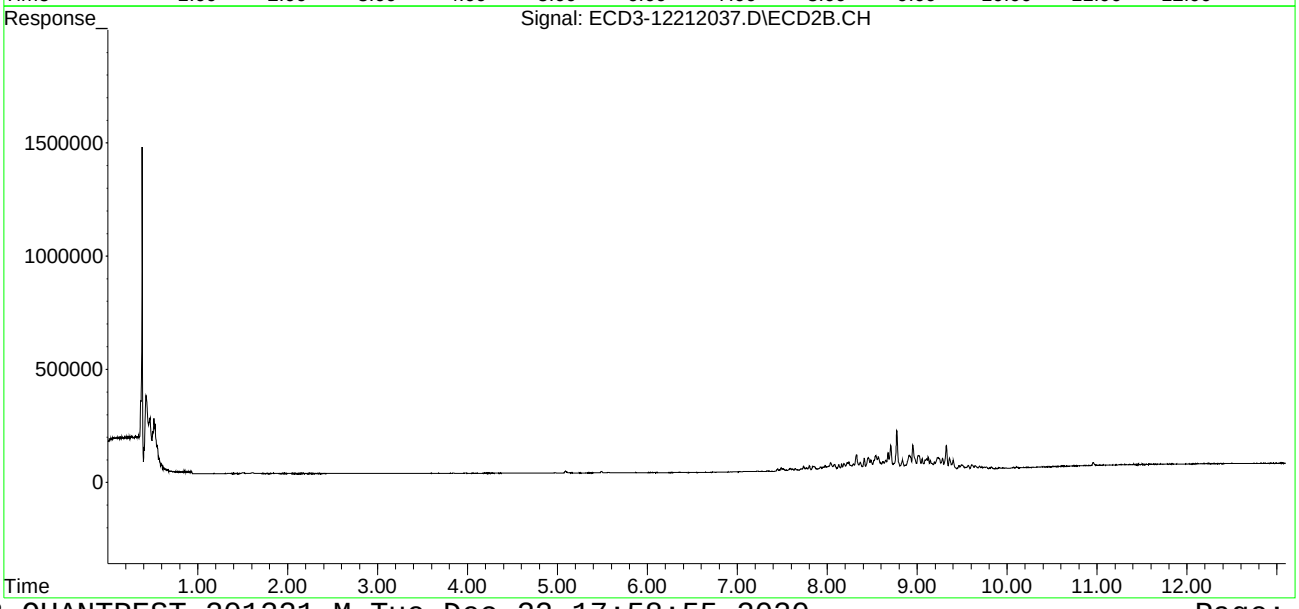
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212037.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Dec 2020 1:44
Operator : MJB
Sample : 0L21060-CALR
Misc : A20K260, TOX 50 ppb
ALS Vial : 33 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 17:55:29 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212038.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Dec 2020 2:01
Operator : MJB
Sample : 0L21060-CALS MJB 12/22/20
Misc : A20K261, TOX 100 ppb
ALS Vial : 34 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 17:55:37 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	0.000	0.000	0	0	N.D.	N.D.	
22)	S	DCBP (S)	9.775	0.000	2718	0	4158.041	N.D.	#
		Target Compounds							
2)		a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)		g-BHC	0.000	0.000	0	0	N.D.	N.D.	
4)		b-BHC	0.000	0.000	0	0	N.D.	N.D.	
5)		Heptachlor	0.000	0.000	0	0	N.D.	N.D.	
6)		d-BHC	0.000	0.000	0	0	N.D.	N.D.	
7)		Aldrin	6.997f	7.448f	2080	10552	0.010	0.084	#
8)		Heptachlo...	7.490	7.853	28114	35418	0.014	0.195	#
9)		trans-Chl...	7.603f	7.995	71118	28467	0.381	0.101	#
10)		cis-Chlor...	7.691	8.128f	50602	44730	0.119	0.265	#
11)		Endosulfa...	7.786	8.161	114239	54834	0.693	0.539	
12)		4,4'-DDE	7.738	8.220	45230	65773	0.245	0.584	#
13)		Dieldrin	7.954	8.366	174395	68114	0.948	0.608	
14)		Endrin	8.136	8.568	221366	105329	1.612	1.293	
15)		4,4'-DDD	8.150	8.619	202211	70682	1.410	0.805	#
16)		Endosulfa...	8.273	8.707	324151	196591	2.296	2.258	
17)		4,4'-DDT	8.358	8.835	299751	79197	2.363	1.095	#
18)		Endrin Al...	8.598	8.954	205723	196043	1.084	2.146	#
19)		Endosulfa...	8.878	9.147	122601	75884	0.940	1.023	
20)		Methoxychlor	8.668	9.324	188023	194278	3.077	5.560	#
21)		Endrin Ke...	9.109f	9.545	28559	16872	0.204	0.206	
23)		Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)		Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
25)		Oxychlordane	7.413	7.799	64980	38035	0.220	0.155	
26)		2,4'-DDE	7.490	7.975	28114	40669	0.037	0.343	#
27)		trans-Non...	7.659	8.081	80720	47465	0.269	0.218	
28)		2,4'-DDD	7.855	8.366	70500	68114	0.514	0.853	#
29)		2,4'-DDT	8.019	8.568	180431	105329	1.756	1.704	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212038.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Dec 2020 2:01
Operator : MJB
Sample : 0L21060-CALS
Misc : A20K261, TOX 100 ppb
ALS Vial : 34 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 17:55:37 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

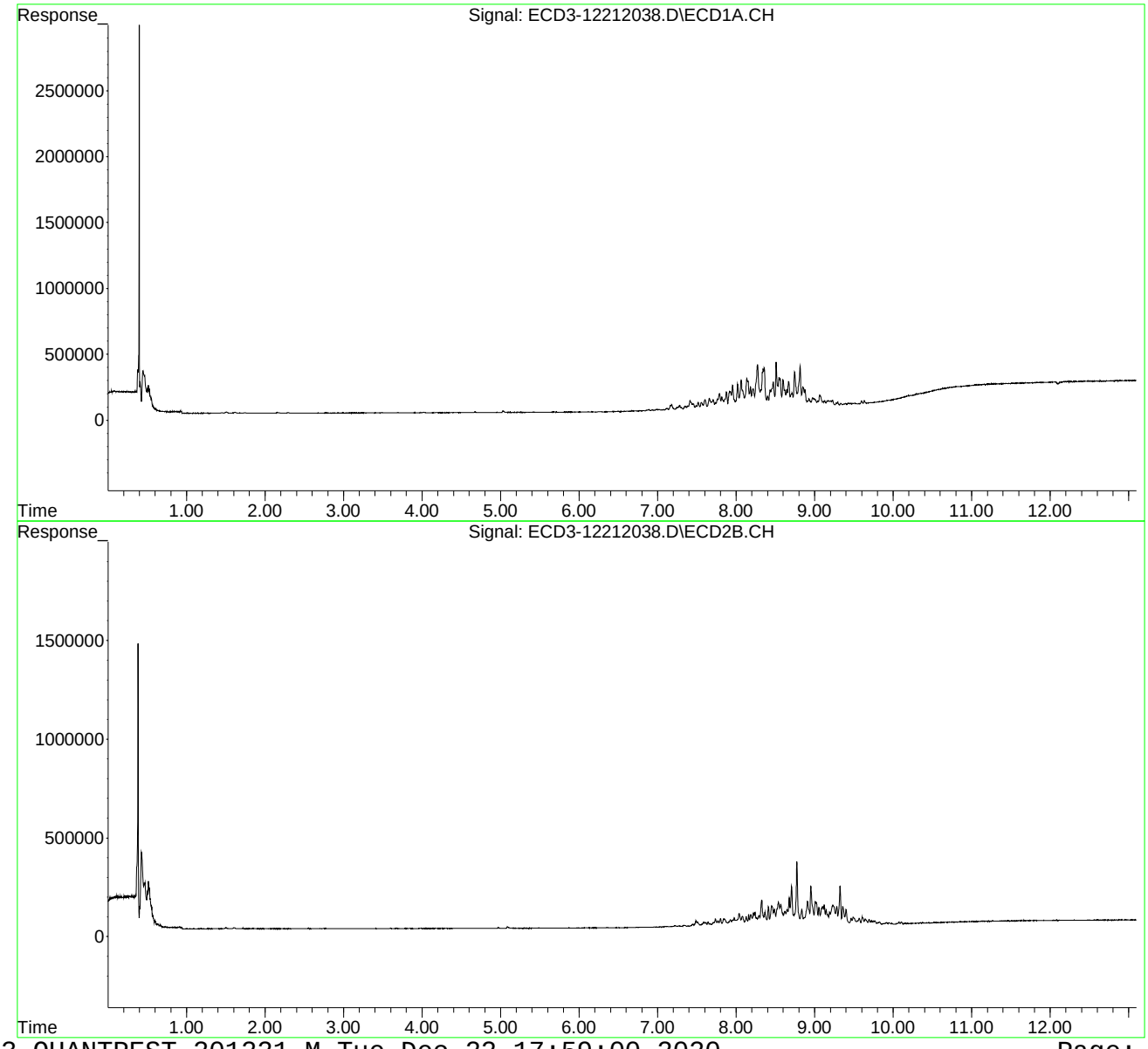
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.136	8.619	221366	70682	1.061	0.416 #
31)	Mirex	8.814	9.545	301485	16872	2.518	14371.816 #
32)	Chlordane...	7.558f	7.995	49661	28467	2.439	2.129
33)	Chlordane...	7.691	8.081	50602	47465	2.609	4.208 #
34)	Chlordane...	8.215	8.775f	141773	320309	23.556	89.767 #
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.
36)	Toxaphene...	7.659	8.324	80720	127401	99.944	103.028
37)	Toxaphene...	7.954	8.675	174395	139609	99.341	99.424
38)	Toxaphene...	8.273	8.707	324151	196591	95.569	97.976
39)	Toxaphene...	8.511	8.775	339137	320309	96.341	96.229
40)	Toxaphene...	8.744	8.954	261912	196043	96.592	98.763
41)	Toxaphene...	8.814	9.324	301485	194278	95.606	95.670
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212038.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Dec 2020 2:01
Operator : MJB
Sample : 0L21060-CALS
Misc : A20K261, TOX 100 ppb
ALS Vial : 34 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 17:55:37 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212039.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Dec 2020 2:18
Operator : MJB
Sample : 0L21060-CALT MJB 12/22/20
Misc : A20K262, TOX 200 ppb
ALS Vial : 35 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 17:55:45 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	0.000	0.000	0	0	N.D.	N.D.	
22) S	DCBP (S)	9.755	10.357f	7468	3597	4157.998	2751.247	
	Target Compounds							
2)	a-BHC	0.000	0.000	0	0	N.D.	N.D.	
3)	g-BHC	0.000	6.769	0	2868	N.D.	0.022	#
4)	b-BHC	6.444	0.000	4370	0	9545.044	N.D.	#
5)	Heptachlor	6.777	7.126f	5702	7671	0.029	0.063	#
6)	d-BHC	6.614	7.101	5995	7310	0.031	0.062	#
7)	Aldrin	7.022	7.414	19867	10352	0.098	0.083	
8)	Heptachlo...	7.491	7.851	58386	68589	0.191	0.501	#
9)	trans-Chl...	7.604f	7.998	136551	55505	0.732	0.348	#
10)	cis-Chlor...	7.658f	8.127f	158319	84348	0.757	0.645	
11)	Endosulfa...	7.786	8.160	213843	101381	1.297	0.997	
12)	4,4'-DDE	7.738	8.220	92134	122529	0.500	1.088	#
13)	Dieldrin	7.954	8.366	320550	123025	1.742	1.098	
14)	Endrin	8.134	8.567	411657	193158	2.997	2.372	
15)	4,4'-DDD	8.149	8.621	366063	128545	2.552	1.463	#
16)	Endosulfa...	8.273	8.707	596479	347952	4.224	3.997	
17)	4,4'-DDT	8.358	8.835	555514	148170	4.380	2.048	#
18)	Endrin Al...	8.597	8.953	375268	360666	2.569	4.583	#
19)	Endosulfa...	8.878	9.146	227453	138069	1.745	1.861	
20)	Methoxychlor	8.668	9.324	358663	351222	5.999	10.149	#
21)	Endrin Ke...	9.110f	9.547	58336	34926	0.417	0.426	
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
25)	Oxychlordane	7.413	7.799	123856	74075	0.628	0.554	
26)	2,4'-DDE	7.491	7.975	58386	77349	0.305	0.858	#
27)	trans-Non...	7.658	8.083f	158319	91640	0.734	0.657	
28)	2,4'-DDD	7.856	8.366	137109	123025	1.185	1.751	#
29)	2,4'-DDT	8.018	8.567	335152	193158	3.422	3.328	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212039.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Dec 2020 2:18
Operator : MJB
Sample : 0L21060-CALT
Misc : A20K262, TOX 200 ppb
ALS Vial : 35 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 17:55:45 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

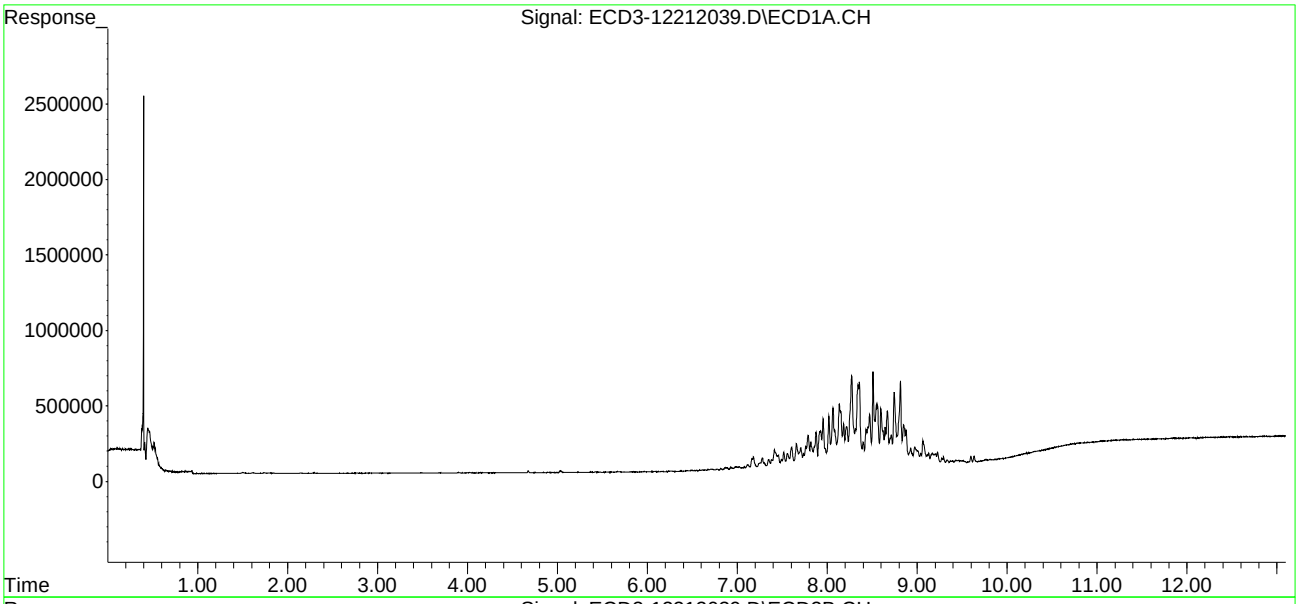
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.149	8.621	366063	128545	1.887	0.964	#
31)	Mirex	8.814	9.547	554061	34926	4.927	0.194	#
32)	Chlordane...	7.558f	7.995	96384	55716	4.733	4.166	
33)	Chlordane...	7.658	8.083	158319	91640	8.161	8.124	
34)	Chlordane...	8.215	8.775	262477	578638	43.611	162.164	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.658	8.326	158319	227615	196.023	184.070	
37)	Toxaphene...	7.954	8.675	320550	250944	185.254	178.712	
38)	Toxaphene...	8.273	8.707	596479	347952	175.859	173.410	
39)	Toxaphene...	8.510	8.775	621267	578638	176.488	173.837	
40)	Toxaphene...	8.744	8.953	480046	360666	177.038	183.916	
41)	Toxaphene...	8.814	9.324	554061	351222	175.702	172.955	
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

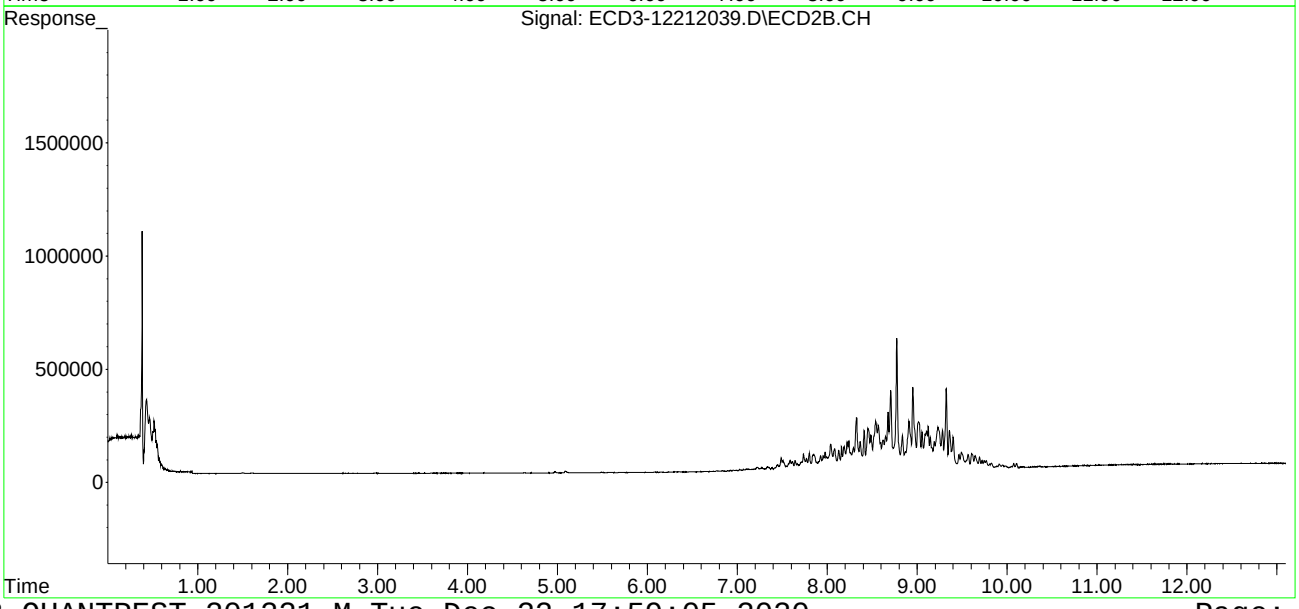
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212039.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Dec 2020 2:18
Operator : MJB
Sample : 0L21060-CALT
Misc : A20K262, TOX 200 ppb
ALS Vial : 35 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 17:55:45 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212040.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Dec 2020 2:35
Operator : MJB
Sample : 0L21060-CALU MJB 12/22/20
Misc : A20K263, TOX 500 ppb
ALS Vial : 36 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 17:55:53 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
	System Monitoring Compounds							
1) S	TCMX (S)	0.000	0.000	0	0	N.D.	N.D.	
22) S	DCBP (S)	9.755	10.374	23921	6618	0.033	2751.198	#
	Target Compounds							
2)	a-BHC	0.000	6.470	0	3776	N.D.	0.026	#
3)	g-BHC	6.378	6.793	7137	4296	0.034	0.033	
4)	b-BHC	6.468	6.837	7561	8226	9545.008	2944.328	#
5)	Heptachlor	6.778	7.168	23146	17492	0.118	0.144	
6)	d-BHC	6.615	7.102	17090	17939	0.087	0.152	#
7)	Aldrin	7.022	7.448f	55927	55300	0.276	0.443	#
8)	Heptachlo...	7.492	7.851	165069	170728	0.816	1.444	#
9)	trans-Chl...	7.603f	7.993	358523	140710	1.921	1.126	#
10)	cis-Chlor...	7.658f	8.128f	422733	218661	2.322	1.935	
11)	Endosulfa...	7.786	8.160	558906	256420	3.390	2.521	
12)	4,4'-DDE	7.738	8.220	242875	308707	1.317	2.740	#
13)	Dieldrin	7.954	8.367	856217	317184	4.654	2.831	
14)	Endrin	8.135	8.568	1143629	526646	8.327	6.467	
15)	4,4'-DDD	8.149	8.621	1023542	349307	7.136	3.977	#
16)	Endosulfa...	8.273	8.707	1681427	976400	11.908	11.217	
17)	4,4'-DDT	8.358	8.835	1536676	392859	12.116	5.431	#
18)	Endrin Al...	8.597	8.953	1041945	969221	8.394	13.563	#
19)	Endosulfa...	8.878	9.146	661521	376568	5.074	5.076	
20)	Methoxychlor	8.668	9.324	1017449	965966	17.232	27.870	#
21)	Endrin Ke...	9.110f	9.568f	195301	182445	1.394	2.224	#
23)	Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)	Hexachlor...	0.000	6.321	0	2806	N.D.	3052.598	#
25)	Oxychlordane	7.413	7.800	314449	182046	1.947	1.750	
26)	2,4'-DDE	7.492	7.975	165069	196020	1.253	2.524	#
27)	trans-Non...	7.658	8.082f	422733	223614	2.321	1.968	
28)	2,4'-DDD	7.876f	8.367	608558	317184	5.930	4.928	
29)	2,4'-DDT	8.019	8.568	897915	526646	9.448	9.450	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212040.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Dec 2020 2:35
Operator : MJB
Sample : 0L21060-CALU
Misc : A20K263, TOX 500 ppb
ALS Vial : 36 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 17:55:53 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

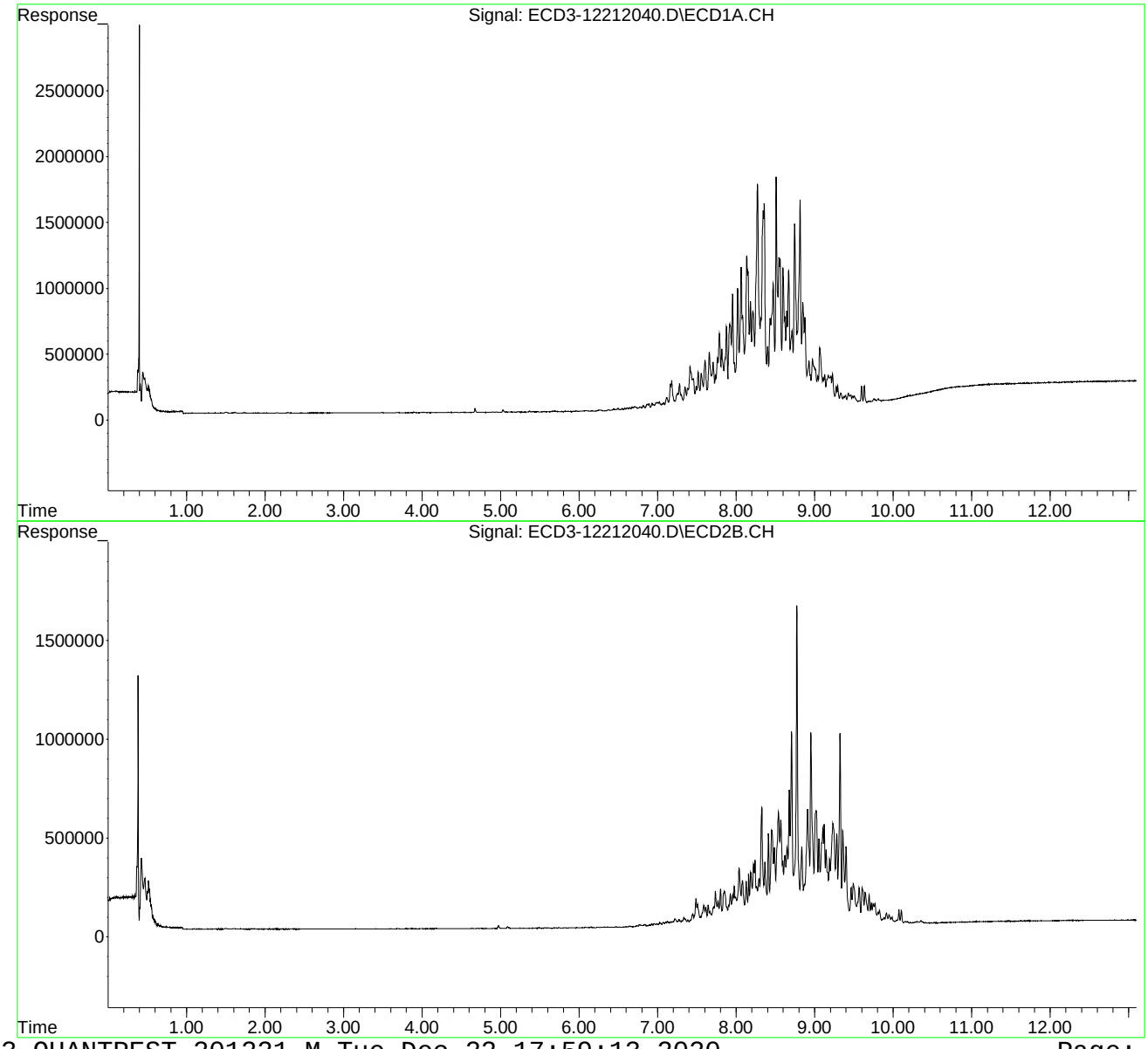
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.135	8.621	1143629	349307	6.320	3.055	#
31)	Mirex	8.814	9.493f	1554289	202591	14.464	2.883	#
32)	Chlordane...	7.557f	7.993	261431	140710	12.838	10.522	
33)	Chlordane...	7.658	8.082	422733	223614	21.792	19.824	
34)	Chlordane...	8.212f	8.774	717459	1614501	119.206	452.467	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.658	8.326	422733	593143	523.409	479.668	
37)	Toxaphene...	7.954	8.675	856217	680900	505.315	484.909	
38)	Toxaphene...	8.273	8.707	1681427	976400	495.731	486.612	
39)	Toxaphene...	8.511	8.774	1733969	1614501	492.582	485.036	
40)	Toxaphene...	8.744	8.953	1372525	969221	506.178	497.134	
41)	Toxaphene...	8.814	9.324	1554289	965966	492.889	475.678	
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212040.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Dec 2020 2:35
Operator : MJB
Sample : 0L21060-CALU
Misc : A20K263, TOX 500 ppb
ALS Vial : 36 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 17:55:53 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212041.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Dec 2020 2:52
Operator : MJB
Sample : 0L21060-CALV MJB 12/22/20
Misc : A20K264, TOX 1000 ppb
ALS Vial : 37 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 17:56:00 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	0.000	0.000	0	0	N.D.	N.D.	
22)	S	DCBP (S)	9.755	10.355f	57084	35344	0.333	0.373	
		Target Compounds							
2)		a-BHC	6.087	6.469	5405	6128	0.023	0.041	#
3)		g-BHC	6.375	6.773	11643	11214	0.056	0.086	#
4)		b-BHC	6.471	6.835	12584	14469	9544.952	0.042	#
5)		Heptachlor	6.782	7.164	41406	28982	0.212	0.238	
6)		d-BHC	6.614	7.100	30242	26265	0.155	0.222	#
7)		Aldrin	7.021	7.448f	105059	94670	0.518	0.758	#
8)		Heptachlo...	7.490	7.852	316884	320690	1.706	2.829	#
9)		trans-Chl...	7.603f	7.993	714037	272417	3.826	2.329	
10)		cis-Chlor...	7.658f	8.128f	829203	432041	4.726	3.986	
11)		Endosulfa...	7.785	8.160	1135689	493871	6.888	4.855	
12)		4,4'-DDE	7.738	8.220	455116	614079	2.469	5.451	#
13)		Dieldrin	7.954	8.366	1690461	623946	9.188	5.569	
14)		Endrin	8.135	8.568	2338026	1121070	17.024	13.766	
15)		4,4'-DDD	8.183f	8.621	1662777	725508	11.593	8.259	
16)		Endosulfa...	8.273	8.707	3465501	2000028	24.542	22.976	
17)		4,4'-DDT	8.358	8.835	3258580	834905	25.693	11.542	#
18)		Endrin Al...	8.597	8.954	2245987	2060646	18.866	29.555	#
19)		Endosulfa...	8.877	9.146	1450307	830292	11.125	11.192	
20)		Methoxychlor	8.667	9.324	2159686	2066233	36.540	58.637	#
21)		Endrin Ke...	9.111f	9.568f	449108	403640	3.207	4.920	#
23)		Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)		Hexachlor...	5.958f	6.320	6059	4678	BelowCal	3052.581	
25)		Oxychlordane	7.413	7.799	609585	326107	3.989	3.345	
26)		2,4'-DDE	7.490	7.975	316884	371729	2.601	4.993	#
27)		trans-Non...	7.658	8.082	829203	420062	4.761	3.921	
28)		2,4'-DDD	7.875	8.366	1224486	623946	12.121	9.946	
29)		2,4'-DDT	8.018	8.568	1827614	1121070	19.284	20.191	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212041.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Dec 2020 2:52
Operator : MJB
Sample : 0L21060-CALV
Misc : A20K264, TOX 1000 ppb
ALS Vial : 37 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 17:56:00 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

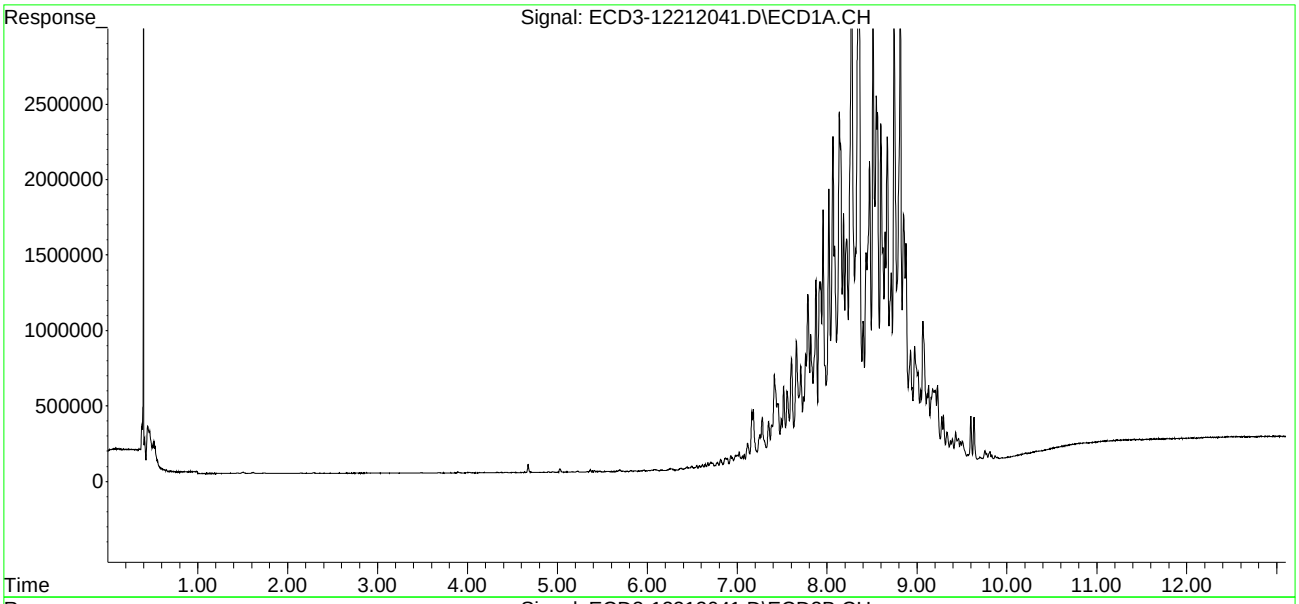
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.135	8.621	2338026	725508	13.110	6.615	#
31)	Mirex	8.814	9.494f	3228284	444693	30.404	6.767	#
32)	Chlordane...	7.556f	7.993	498391	272417	24.475	20.371	
33)	Chlordane...	7.658	8.082	829203	420062	42.745	37.239	
34)	Chlordane...	8.216	8.775f	1492235	3348014	247.936	938.287	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.658	8.326	829203	1193747	1026.682	965.370	
37)	Toxaphene...	7.954	8.675	1690461	1433723	1021.281	1021.040	
38)	Toxaphene...	8.273	8.707	3465501	2000028	1021.726	996.761	
39)	Toxaphene...	8.510	8.775	3610041	3348014	1025.532	1005.827	
40)	Toxaphene...	8.744	8.954	2923899	2060646	1078.315	1052.862	
41)	Toxaphene...	8.814	9.324	3228284	2066233	1023.739	1017.491	
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

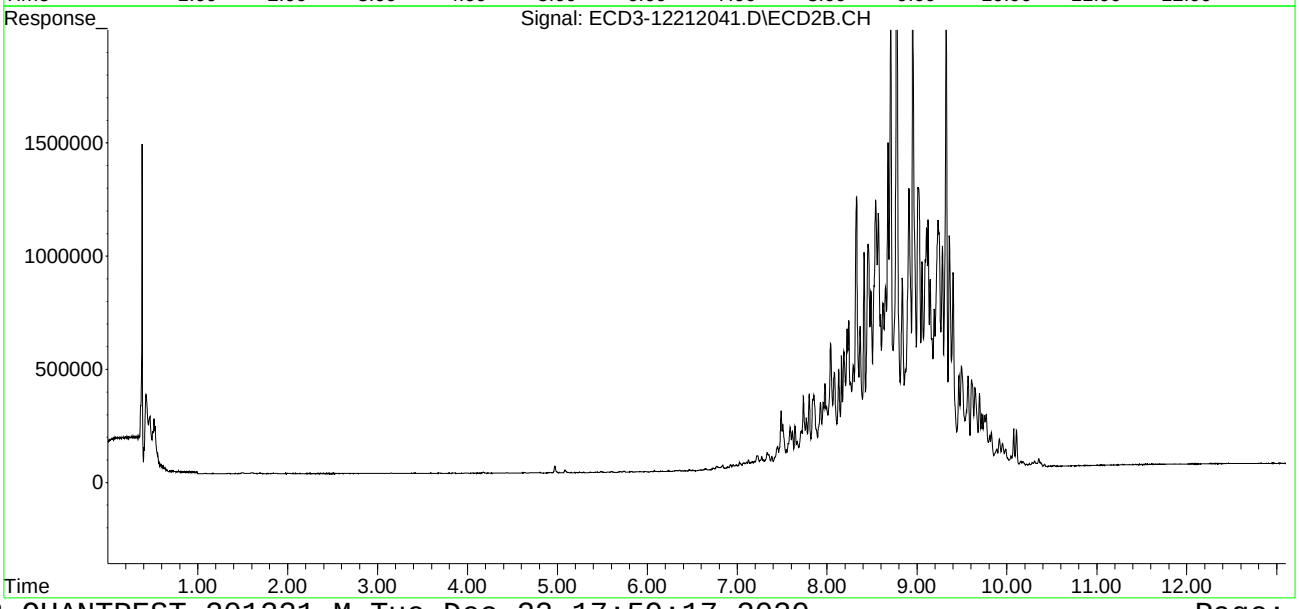
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212041.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Dec 2020 2:52
Operator : MJB
Sample : 0L21060-CALV
Misc : A20K264, TOX 1000 ppb
ALS Vial : 37 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 17:56:00 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212042.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Dec 2020 3:09
Operator : MJB
Sample : 0L21060-CALW MJB 12/22/20
Misc : A20K259, TOX 2000 ppb
ALS Vial : 38 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 17:56:09 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
		System Monitoring Compounds							
1)	S	TCMX (S)	5.549	0.000	6490	0	0.035	N.D.	#
22)	S	DCBP (S)	9.755	10.355f	122671	75169	0.925	1.025	
		Target Compounds							
2)		a-BHC	6.088	6.467	16240	10930	0.068	0.074	
3)		g-BHC	6.376	6.770	21036	26225	0.101	0.202	#
4)		b-BHC	6.468	6.861	23059	14687	0.070	0.045	
5)		Heptachlor	6.783	7.165	72906	63081	0.373	0.518	
6)		d-BHC	6.614	7.100	52892	56080	0.271	0.475	#
7)		Aldrin	7.021	7.448f	180901	170185	0.893	1.362	#
8)		Heptachlo...	7.490	7.850	573904	579852	3.212	5.225	#
9)		trans-Chl...	7.603f	7.994	1318823	495825	7.066	4.371	
10)		cis-Chlor...	7.658f	8.128f	1564558	796993	9.071	7.497	
11)		Endosulfa...	7.785	8.160	2102036	906852	12.748	8.914	
12)		4,4'-DDE	7.738	8.220	843007	1150442	4.573	10.213	#
13)		Dieldrin	7.954	8.367	3151775	1185119	17.130	10.578	
14)		Endrin	8.136	8.568	4322092	2174531	31.471	26.701	
15)		4,4'-DDD	8.149	8.622	3907680	1417219	27.245	16.134	#
16)		Endosulfa...	8.273	8.707	6637949	3801748	47.009	43.675	
17)		4,4'-DDT	8.358	8.835	6188344	1603107	48.793	22.163	#
18)		Endrin Al...	8.598	8.954	4293078	3883037	36.530	55.946	#
19)		Endosulfa...	8.878	9.146	2812913	1603045	21.576	21.608	
20)		Methoxychlor	8.668	9.324	4150174	4024928	69.688	110.743	#
21)		Endrin Ke...	9.111f	9.568f	907615	805783	6.480	9.822	#
23)		Hexachlor...	0.000	0.000	0	0	N.D.	N.D.	
24)		Hexachlor...	5.931	6.318	4905	7911	BelowCal	3052.550	
25)		Oxychlordane	7.414	7.800	1111151	594521	7.458	6.318	
26)		2,4'-DDE	7.490	7.975	573904	680957	4.885	9.340	#
27)		trans-Non...	7.658	8.082	1564558	752439	9.176	7.224	
28)		2,4'-DDD	7.875f	8.367	2315366	1185119	23.063	19.124	
29)		2,4'-DDT	8.019	8.568	3445888	2174531	36.072	38.723	

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212042.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Dec 2020 3:09
Operator : MJB
Sample : 0L21060-CALW
Misc : A20K259, TOX 2000 ppb
ALS Vial : 38 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 17:56:09 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

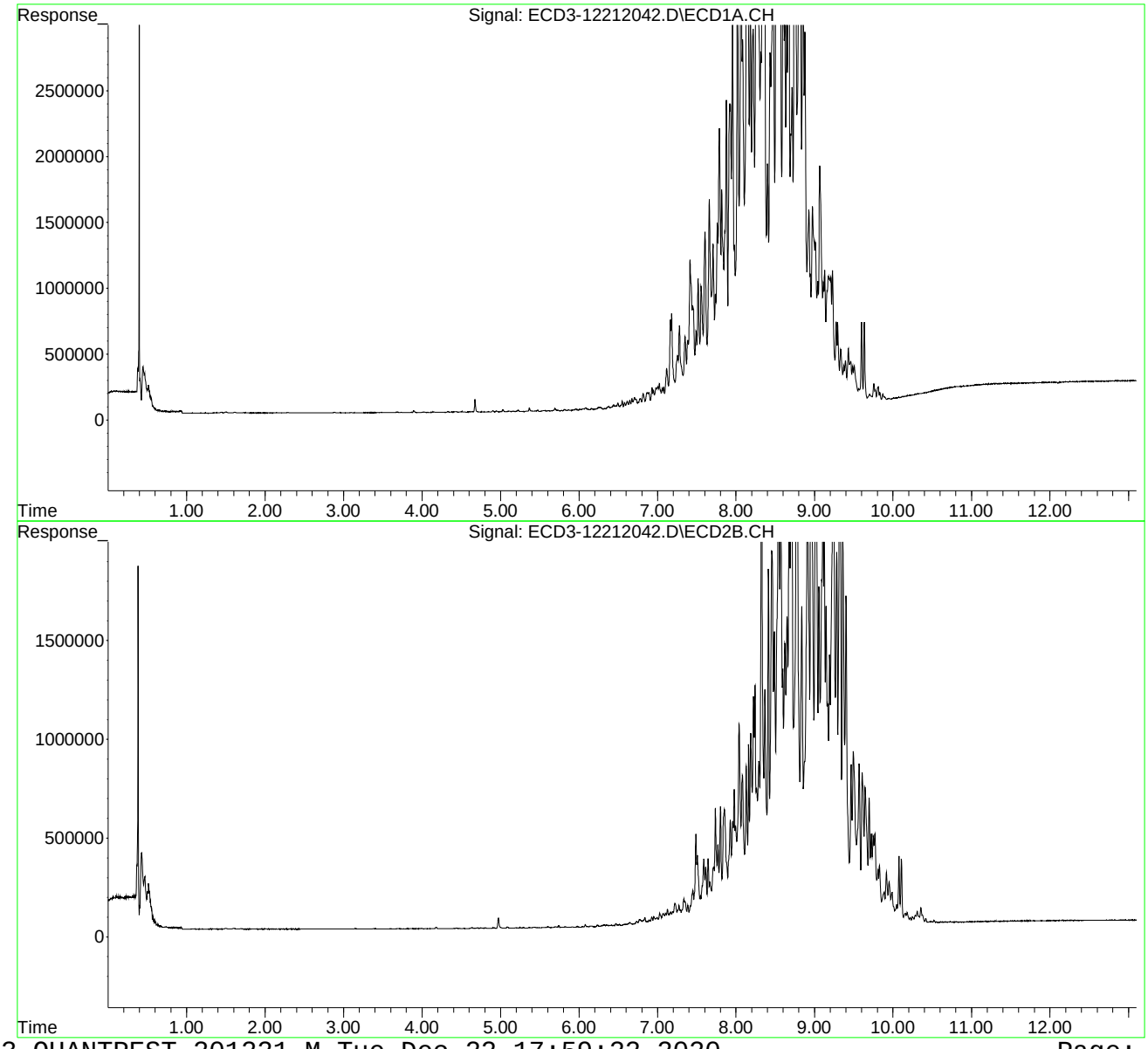
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL	
30)	cis-Nonac...	8.136	8.622	4322092	1417219	24.336	13.154	#
31)	Mirex	8.814	9.494f	6194484	866884	58.585	13.544	#
32)	Chlordane...	7.555f	7.994	909648	495825	44.671	37.076	
33)	Chlordane...	7.658	8.082	1564558	752439	80.653	66.705	
34)	Chlordane...	8.216	8.775	2847501	6332861	473.115	1774.796	#
35)	Chlordane...	0.000	0.000	0	0	N.D.	N.D.	
36)	Toxaphene...	7.658	8.327	1564558	2296036	1937.165	1856.779	
37)	Toxaphene...	7.954	8.676	3151775	2734770	1984.980	1947.594	
38)	Toxaphene...	8.273	8.707	6637949	3801748	1957.052	1894.689	
39)	Toxaphene...	8.511	8.775	6908567	6332861	1962.569	1902.549	
40)	Toxaphene...	8.744	8.954	5548170	3883037	2046.129	1964.293	
41)	Toxaphene...	8.814	9.324	6194484	4024928	1964.368	1982.027	
42)	Toxaphene...	0.000	0.000	0	0	N.D.	N.D.	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\REQUANT\
Data File : ECD3-12212042.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Dec 2020 3:09
Operator : MJB
Sample : 0L21060-CALW
Misc : A20K259, TOX 2000 ppb
ALS Vial : 38 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 17:56:09 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 16:07:25 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Sequence Name: C:\msdchem\3\sequence\0L21060.s
Comment: Pesticides
Operator: MJB
Data Path: C:\MSDCHEM\3\DATA\2020-12\0L21060\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

Sequence Barcode Options
(X) On Mismatch, Inject Anyway
( ) On Mismatch, Don't Inject
( ) Barcode Disabled

Line		Sample Name/Misc Info
1) Sample	1	Hexane
Datafile		ECD3-12212001
Method		ECD3_AQUPEST_140312
2) Sample	1	Hexane
Datafile		ECD3-12212002
Method		ECD3_AQUPEST_140312
3) Sample	2	0L21060-BKD1
Datafile		ECD3-12212003
Method		ECD3_AQUPEST_140312
4) Sample	3	0L21060-ICB1
Datafile		ECD3-12212004
Method		ECD3_AQUPEST_140312
5) Sample	4	0L21060-CAL1
Datafile		ECD3-12212005
Method		ECD3_AQUPEST_140312
6) Sample	5	0L21060-CAL2
Datafile		ECD3-12212006
Method		ECD3_AQUPEST_140312
7) Sample	6	0L21060-CAL3
Datafile		ECD3-12212007
Method		ECD3_AQUPEST_140312
8) Sample	7	0L21060-CAL4
Datafile		ECD3-12212008
Method		ECD3_AQUPEST_140312
9) Sample	8	0L21060-CAL5
Datafile		ECD3-12212009
Method		ECD3_AQUPEST_140312
10) Sample	9	0L21060-CAL6
Datafile		ECD3-12212010
Method		ECD3_AQUPEST_140312
11) Sample	10	0L21060-CAL7
Datafile		ECD3-12212011
Method		ECD3_AQUPEST_140312
12) Sample	11	0L21060-CAL8
Datafile		ECD3-12212012
Method		ECD3_AQUPEST_140312
13) Sample	12	0L21060-CAL9
Datafile		ECD3-12212013
Method		ECD3_AQUPEST_140312
14) Sample	1	0L21060-IBL1

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```
     Datafile          ECD3-12212014
     Method            ECD3_AQUPEST_140312
15) Sample        13   0L21060-ICV1
     Datafile          ECD3-12212015
     Method            ECD3_AQUPEST_140312
16) Sample        14   0L21060-CALA
     Datafile          ECD3-12212016
     Method            ECD3_AQUPEST_140312
17) Sample        15   0L21060-CALB
     Datafile          ECD3-12212017
     Method            ECD3_AQUPEST_140312
18) Sample        16   0L21060-CALC
     Datafile          ECD3-12212018
     Method            ECD3_AQUPEST_140312
19) Sample        17   0L21060-CALD
     Datafile          ECD3-12212019
     Method            ECD3_AQUPEST_140312
20) Sample        18   0L21060-CALE
     Datafile          ECD3-12212020
     Method            ECD3_AQUPEST_140312
21) Sample        19   0L21060-CALF
     Datafile          ECD3-12212021
     Method            ECD3_AQUPEST_140312
22) Sample        20   0L21060-CALG
     Datafile          ECD3-12212022
     Method            ECD3_AQUPEST_140312
23) Sample        21   0L21060-CALH
     Datafile          ECD3-12212023
     Method            ECD3_AQUPEST_140312
24) Sample        22   0L21060-CALI
     Datafile          ECD3-12212024
     Method            ECD3_AQUPEST_140312
25) Sample         1   0L21060-IBL2
     Datafile          ECD3-12212025
     Method            ECD3_AQUPEST_140312
26) Sample        23   0L21060-ICV2
     Datafile          ECD3-12212026
     Method            ECD3_AQUPEST_140312
27) Sample        24   0L21060-CALJ
     Datafile          ECD3-12212027
     Method            ECD3_AQUPEST_140312
28) Sample        25   0L21060-CALK
     Datafile          ECD3-12212028
     Method            ECD3_AQUPEST_140312
29) Sample        26   0L21060-CALL
     Datafile          ECD3-12212029
     Method            ECD3_AQUPEST_140312
30) Sample        27   0L21060-CALM
     Datafile          ECD3-12212030
     Method            ECD3_AQUPEST_140312
31) Sample        28   0L21060-CALN
     Datafile          ECD3-12212031
     Method            ECD3_AQUPEST_140312
32) Sample        29   0L21060-CALO
     Datafile          ECD3-12212032
     Method            ECD3_AQUPEST_140312
```

```
33) Sample        30  0L21060-CALP
     Datafile         ECD3-12212033
     Method           ECD3_AQUPEST_140312
34) Sample         1  0L21060-IBL3
     Datafile         ECD3-12212034
     Method           ECD3_AQUPEST_140312
35) Sample        31  0L21060-ICV3
     Datafile         ECD3-12212035
     Method           ECD3_AQUPEST_140312
36) Sample        32  0L21060-CALQ
     Datafile         ECD3-12212036
     Method           ECD3_AQUPEST_140312
37) Sample        33  0L21060-CALR
     Datafile         ECD3-12212037
     Method           ECD3_AQUPEST_140312
38) Sample        34  0L21060-CALS
     Datafile         ECD3-12212038
     Method           ECD3_AQUPEST_140312
39) Sample        35  0L21060-CALT
     Datafile         ECD3-12212039
     Method           ECD3_AQUPEST_140312
40) Sample        36  0L21060-CALU
     Datafile         ECD3-12212040
     Method           ECD3_AQUPEST_140312
41) Sample        37  0L21060-CALV
     Datafile         ECD3-12212041
     Method           ECD3_AQUPEST_140312
42) Sample        38  0L21060-CALW
     Datafile         ECD3-12212042
     Method           ECD3_AQUPEST_140312
43) Sample         1  0L21060-IBL4
     Datafile         ECD3-12212043
     Method           ECD3_AQUPEST_140312
```

Sequence Name: C:\msdchem\3\sequence\0L21060.s

	Line	Type	Vial	DataFile	Method	Sample Name
44)	Sample		39	0L21060-ICV4		
	Datafile			ECD3-12212044		
	Method				ECD3_AQUPEST_140312	

Pesticide Breakdown Check (Validated 8/8/2013)

Sequence: 0L21060 BKD1
Data File: ECD3-12212003.D

MJB 12/22/20

First Column Area Counts		Percent Breakdown	
DDE	1033262		
DDD	2899599		
DDT	122075230	**3.12**	**PASS**
Endrin	67297240	**10.12**	**PASS**
Endrin Aldehyde	3419774		
Endrin Ketone	4160953		

Second Column Area Counts		Percent Breakdown	
DDE	705708		
DDD	2891116		
DDT	72238731	**4.74**	**PASS**
Endrin	41259512	**10.48**	**PASS**
Endrin Aldehyde	2292922		
Endrin Ketone	2539364		

Breakdown must be less than 20% for Method 608. For method 8081 it must be less than 15% or within 7.5% of the breakdown prior to the most recent calibration.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212003.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 16:02
Operator : MJB
Sample : 0L21060-BKD1 MJB 12/22/20
Misc : A20K279
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:32:31 2020
Quant Method : C:\msdchem\3\METHODS\PestBreakdownCHK_201221.M
Quant Title : Pesticides
QLast Update : Fri Nov 09 13:28:51 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

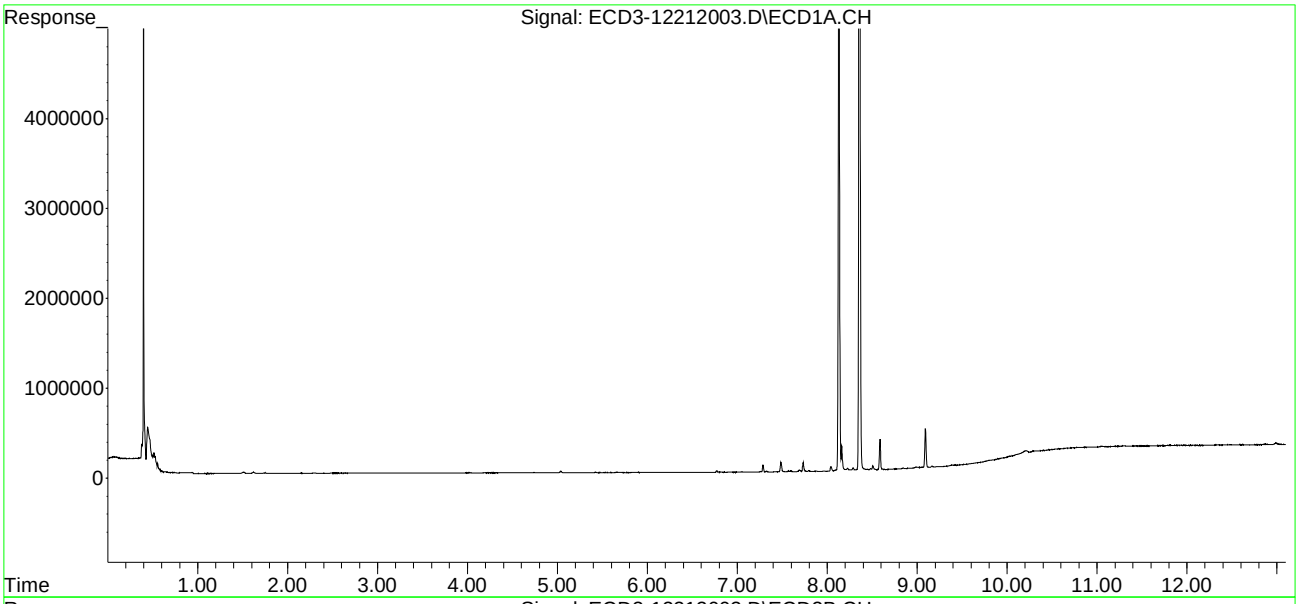
	Compound	R.T.	Response	Conc	Units
Target Compounds					
1)	4,4'-DDE	7.734	1033262	NoCal	ng/mL
2)	Endrin	8.130	67297240	NoCal	ng/mL
3)	4,4'-DDD	8.163	2899599	NoCal	ng/mL
4)	4,4'-DDT	8.360	122075230	NoCal	ng/mL
5)	Endrin Aldehyde	8.586	3419774	NoCal	ng/mL
6)	Endrin Ketone	9.091	4160953	NoCal	ng/mL
8)	4,4'-DDE [2C]	8.214	705708	NoCal	ng/mL
9)	Endrin [2C]	8.579	41259512	NoCal	ng/mL
10)	4,4'-DDD [2C]	8.626	2891116	NoCal	ng/mL
11)	Endrin Aldehyde [2C]	8.961	2292922	NoCal	ng/mL
12)	4,4'-DDT [2C]	8.851	72238731	NoCal	ng/mL
13)	Endrin Ketone [2C]	9.545	2539364	NoCal	ng/mL

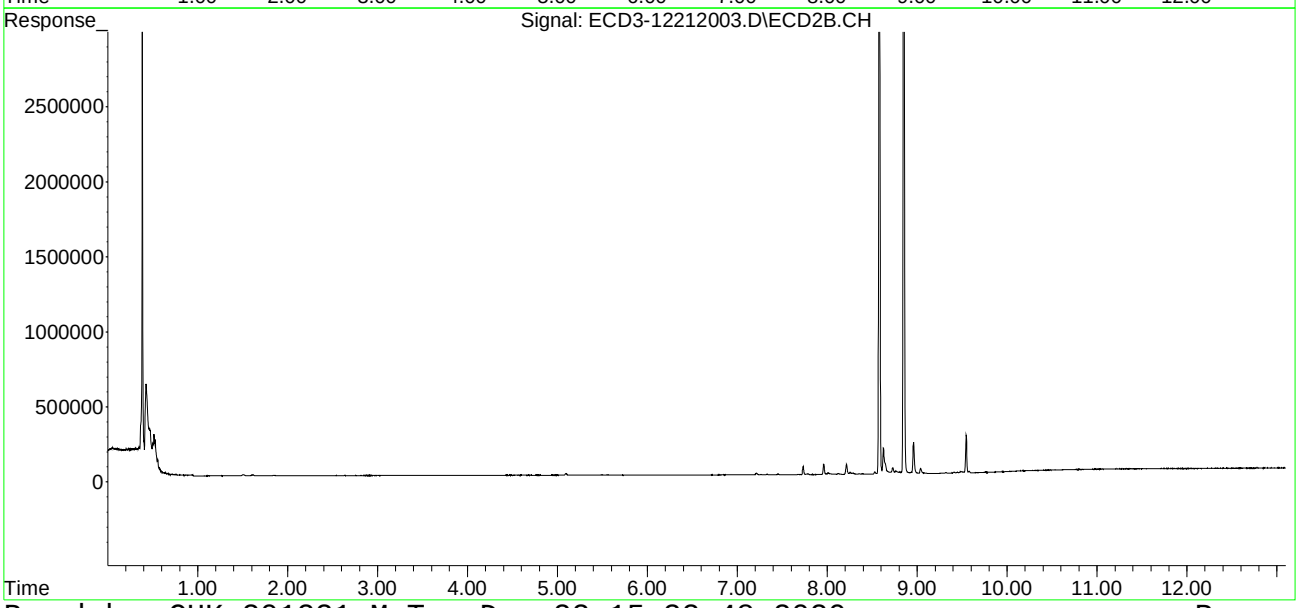
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212003.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 16:02
Operator : MJB
Sample : 0L21060-BKD1
Misc : A20K279
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:32:31 2020
Quant Method : C:\msdchem\3\METHODS\PestBreakdownCHK_201221.M
Quant Title : Pesticides
QLast Update : Fri Nov 09 13:28:51 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212005.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 16:36
Operator : MJB
Sample : 0L21060-CAL1 MJB 12/22/20
Misc : A20L362, AB 0.5 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:41:52 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:40:53 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	5.547	5.879	106804	69896	0.776	0.646
22) S	DCBP (S)	9.759	10.387	71910	40721	0.466	0.451
	Target Compounds						
2)	a-BHC	6.098	6.474	123632	81401	0.622	0.579
3)	g-BHC	6.383	6.789	110605	73725	0.628	0.588
4)	b-BHC	6.462	6.856	58698	38610	0.711	0.497
5)	Heptachlor	6.781	7.163	110990	72051	0.693	0.662
6)	d-BHC	6.614	7.104	98547	61251	0.620	0.533
7)	Aldrin	7.023	7.425	109544	70373	0.616	0.593
8)	Heptachlo...	7.494	7.861	107199	65969	0.651	0.609
9)	trans-Chl...	7.585	8.001	108457	69803	0.656	0.459
10)	cis-Chlor...	7.683	8.108	112144	66856	0.694	0.631
11)	Endosulfa...	7.787	8.157	94779	58689	0.655	0.606
12)	4,4'-DDE	7.733	8.212	99213	62502	0.602	0.645
13)	Dieldrin	7.960	8.356	100761	63396	0.613	0.584
14)	Endrin	8.129	8.578	71271	43990	0.584	0.563
15)	4,4'-DDD	8.162	8.626	73055	47491	0.514	0.495
16)	Endosulfa...	8.290	8.726	79437	50941	0.641	0.604
17)	4,4'-DDT	8.359	8.850	64551	36680	0.656	0.591
18)	Endrin Al...	8.586	8.961	91818	59099	0.294	0.245
19)	Endosulfa...	8.890	9.155	78338	41196	0.876	0.677
20)	Methoxychlor	8.689	9.317	35149	20917	0.696	0.614
21)	Endrin Ke...	9.091	9.544	78735	48832	2.105	1.970
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Not used in cal.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212005.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 16:36
Operator : MJB
Sample : 0L21060-CAL1
Misc : A20L362, AB 0.5 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:41:52 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:40:53 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

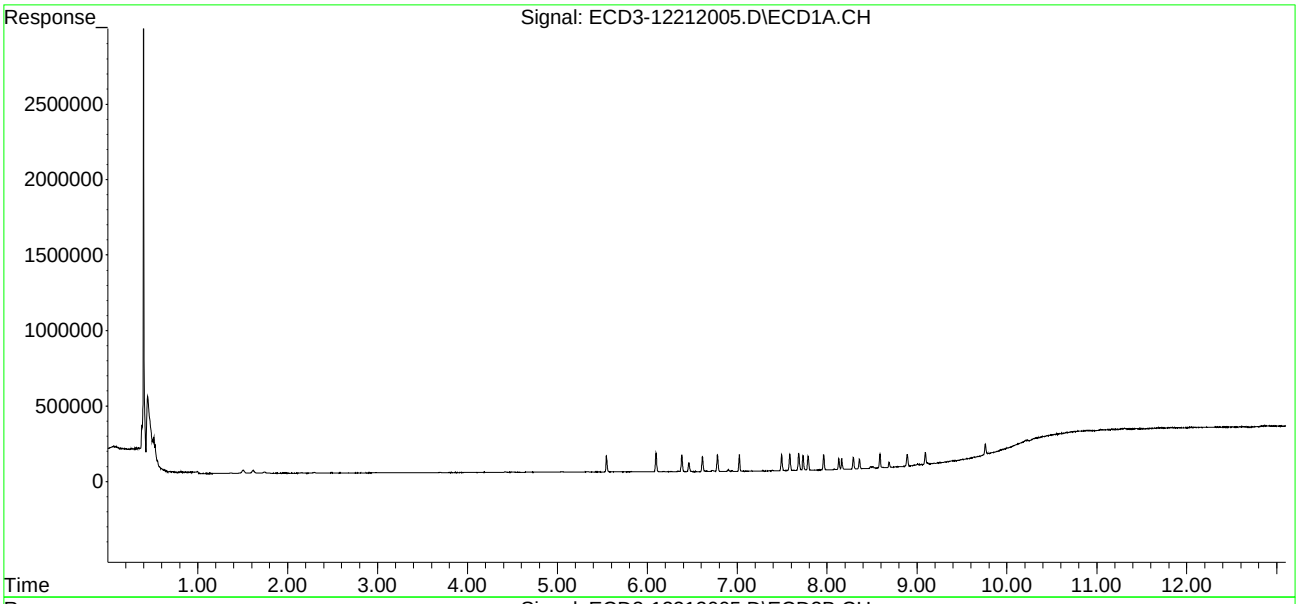
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

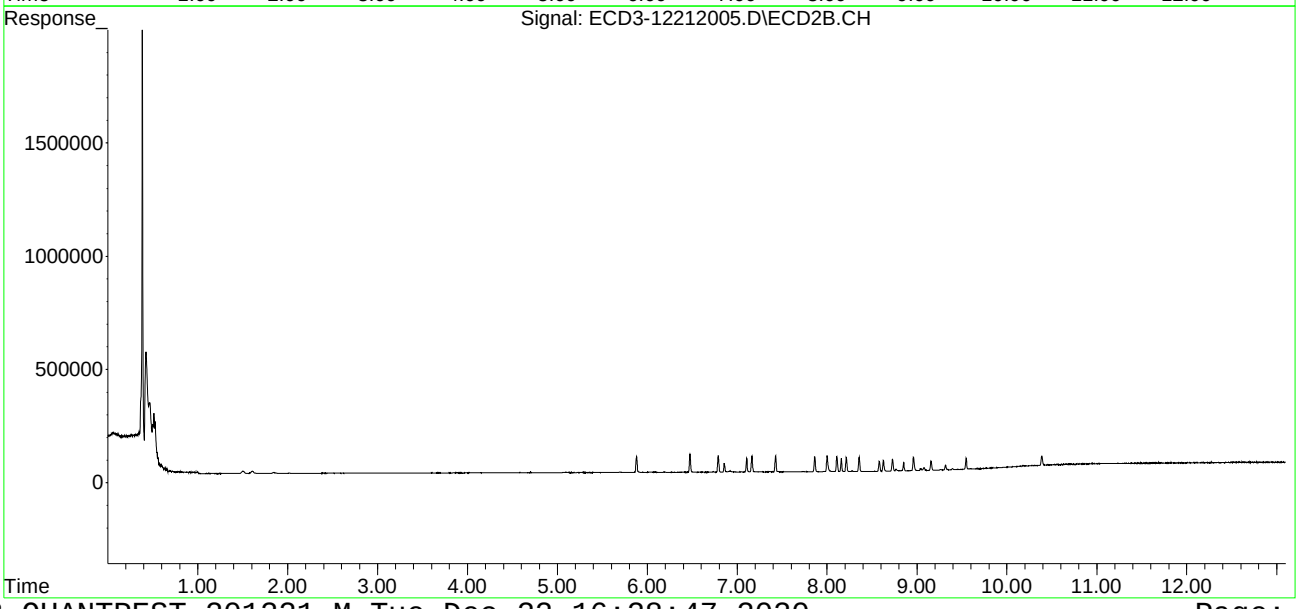
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212005.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 16:36
Operator : MJB
Sample : 0L21060-CAL1
Misc : A20L362, AB 0.5 ppb
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:41:52 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:40:53 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212006.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 16:54
Operator : MJB
Sample : 0L21060-CAL2 MJB 12/22/20
Misc : A20L363, AB 1 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:42:26 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:40:53 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	5.548	5.880	210631	136219	1.530	1.259
22) S	DCBP (S)	9.759	10.387	145333	81945	1.126	1.089
	Target Compounds						
2)	a-BHC	6.098	6.474	253305	164991	1.274	1.174
3)	g-BHC	6.384	6.789	229798	146018	1.305	1.164
4)	b-BHC	6.462	6.856	114956	75066	1.393	1.138
5)	Heptachlor	6.781	7.163	223360	139266	1.394	1.281
6)	d-BHC	6.613	7.104	204395	126818	1.286	1.104
7)	Aldrin	7.023	7.425	226687	144612	1.275	1.219
8)	Heptachlo...	7.494	7.862	211454	131870	1.283	1.217
9)	trans-Chl...	7.584	8.001	212567	136622	1.286	1.076
10)	cis-Chlor...	7.683	8.108	208537	131123	1.291	1.237
11)	Endosulfa...	7.787	8.157	188407	117365	1.302	1.211
12)	4,4'-DDE	7.733	8.212	201100	124027	1.220	1.280
13)	Dieldrin	7.960	8.356	204239	125828	1.243	1.159
14)	Endrin	8.129	8.579	145244	86522	1.189	1.107
15)	4,4'-DDD	8.163	8.625	154035	98120	1.084	1.023
16)	Endosulfa...	8.290	8.726	160966	100502	1.299	1.191
17)	4,4'-DDT	8.359	8.851	137686	79614	1.381	1.268
18)	Endrin Al...	8.586	8.961	191749	116163	1.236	1.052
19)	Endosulfa...	8.891	9.155	146643	82987	1.662	1.396
20)	Methoxychlor	8.689	9.316	77813	44928	1.541	1.375
21)	Endrin Ke...	9.091	9.544	157448	91802	4.410	3.828
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212006.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 16:54
Operator : MJB
Sample : 0L21060-CAL2
Misc : A20L363, AB 1 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:42:26 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:40:53 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

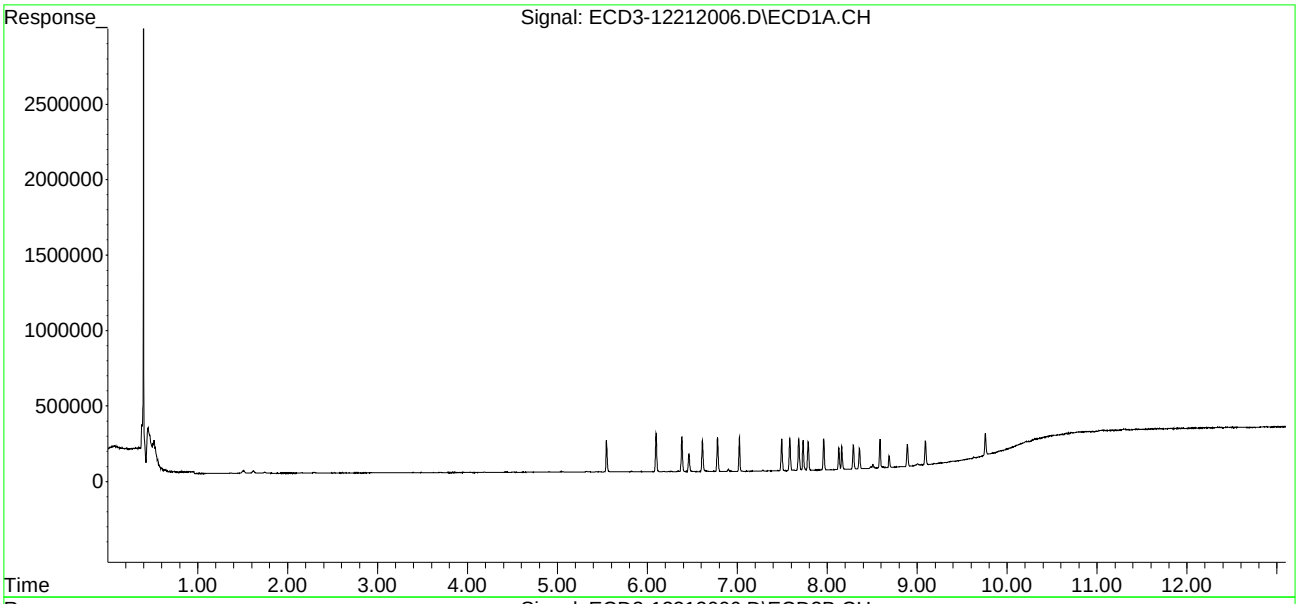
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

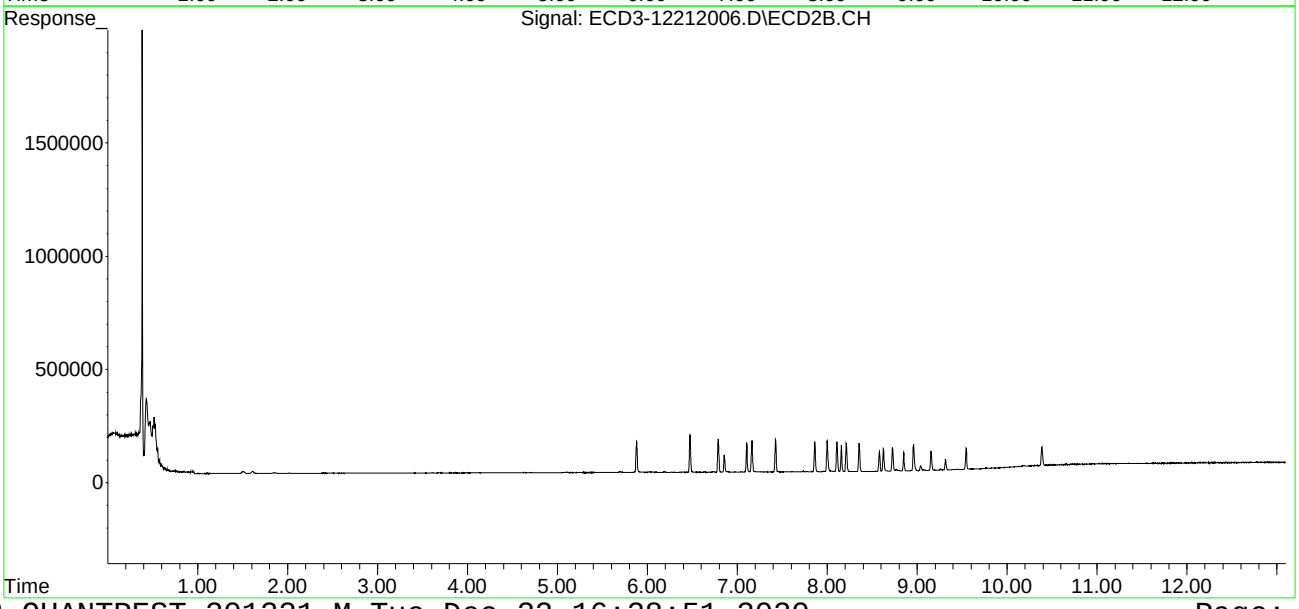
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212006.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 16:54
Operator : MJB
Sample : 0L21060-CAL2
Misc : A20L363, AB 1 ppb
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:42:26 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:40:53 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212007.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 17:11
Operator : MJB
Sample : 0L21060-CAL3 MJB 12/22/20
Misc : A20H471, AB 2 ppb
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:43:07 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:40:53 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	5.546	5.879	379340	236182	2.755	2.182
22) S	DCBP (S)	9.758	10.386	244541	141574	2.018	2.014
	Target Compounds						
2)	a-BHC	6.097	6.473	472403	300696	2.376	2.139
3)	g-BHC	6.383	6.788	416735	266778	2.366	2.126
4)	b-BHC	6.461	6.855	202120	132391	2.450	2.147
5)	Heptachlor	6.781	7.161	397591	245242	2.481	2.255
6)	d-BHC	6.612	7.103	380106	234170	2.392	2.038
7)	Aldrin	7.022	7.425	409925	254996	2.306	2.150
8)	Heptachlo...	7.493	7.860	369527	234828	2.243	2.167
9)	trans-Chl...	7.584	8.000	377617	237657	2.284	2.007
10)	cis-Chlor...	7.682	8.107	373540	225561	2.313	2.128
11)	Endosulfa...	7.786	8.156	337378	209769	2.332	2.164
12)	4,4'-DDE	7.732	8.211	362455	224194	2.199	2.313
13)	Dieldrin	7.959	8.355	368744	223773	2.245	2.062
14)	Endrin	8.128	8.577	277648	164932	2.274	2.111
15)	4,4'-DDD	8.162	8.625	284069	172469	2.000	1.799
16)	Endosulfa...	8.289	8.725	284278	176398	2.294	2.091
17)	4,4'-DDT	8.358	8.849	240650	136258	2.399	2.158
18)	Endrin Al...	8.585	8.960	329887	197635	2.538	2.204
19)	Endosulfa...	8.890	9.155	254744	145866	2.902	2.474
20)	Methoxychlor	8.688	9.315	126015	74517	2.495	2.310
21)	Endrin Ke...	9.091	9.544	272710	157023	7.733	6.617
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212007.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 17:11
Operator : MJB
Sample : 0L21060-CAL3
Misc : A20H471, AB 2 ppb
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:43:07 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:40:53 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

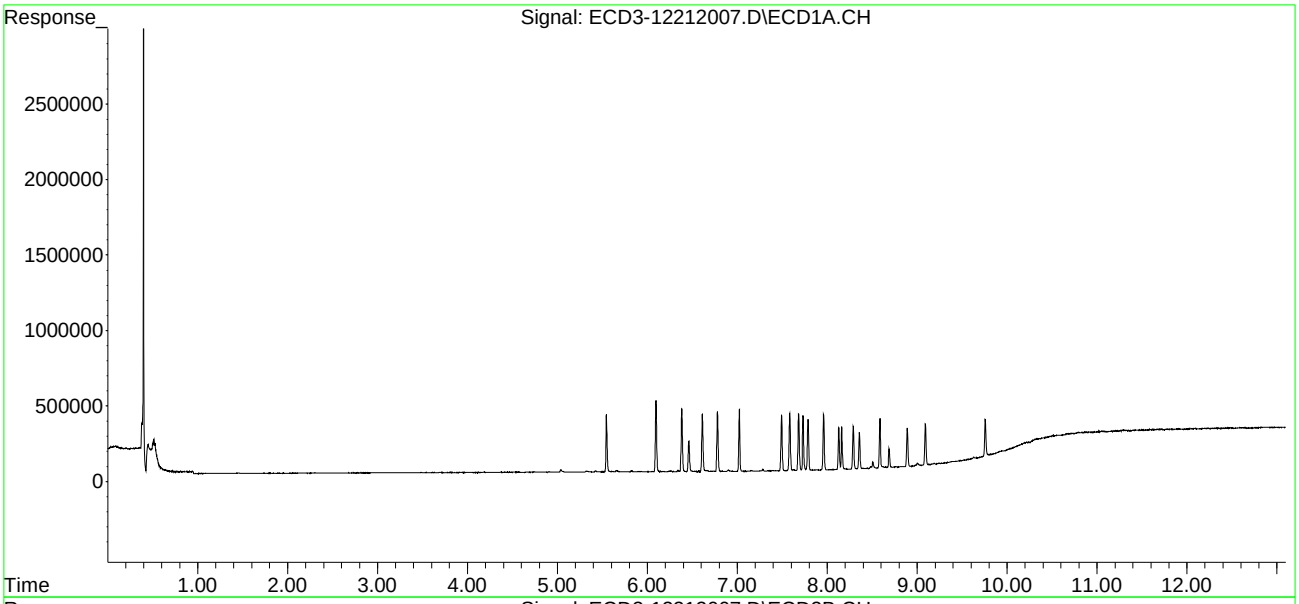
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

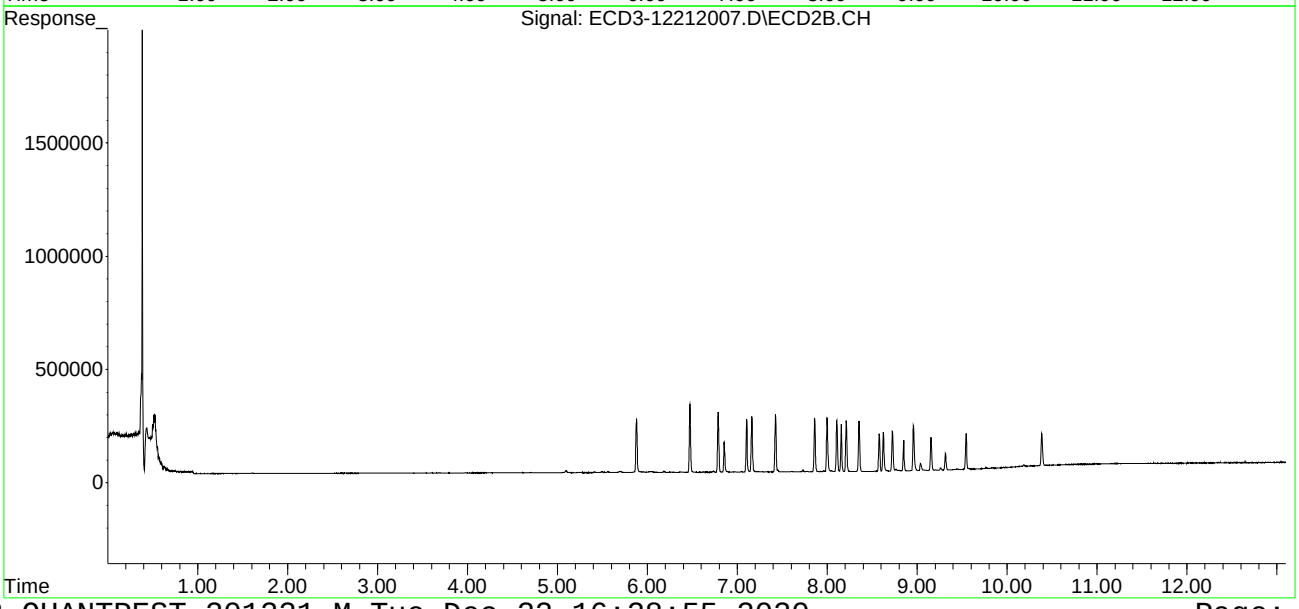
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212007.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 17:11
Operator : MJB
Sample : 0L21060-CAL3
Misc : A20H471, AB 2 ppb
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:43:07 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:40:53 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212008.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 17:28
Operator : MJB
Sample : 0L21060-CAL4 MJB 12/22/20
Misc : A20H472, AB 5 ppb
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:43:39 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:40:53 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	5.546	5.878	904595	565071	6.569	5.222
22) S	DCBP (S)	9.757	10.385	572487	313405	4.971	4.680
	Target Compounds						
2)	a-BHC	6.096	6.473	1156526	720345	5.816	5.125
3)	g-BHC	6.382	6.788	1012839	631804	5.751	5.036
4)	b-BHC	6.460	6.854	469621	297509	5.692	5.054
5)	Heptachlor	6.780	7.161	941769	580816	5.877	5.340
6)	d-BHC	6.611	7.102	934361	562100	5.879	4.893
7)	Aldrin	7.022	7.424	1008006	613274	5.671	5.170
8)	Heptachlo...	7.492	7.859	881277	551153	5.349	5.086
9)	trans-Chl...	7.583	7.999	885009	557243	5.353	4.958
10)	cis-Chlor...	7.681	8.107	890255	525455	5.512	4.956
11)	Endosulfa...	7.785	8.155	823358	488714	5.691	5.042
12)	4,4'-DDE	7.731	8.210	895827	530738	5.435	5.476
13)	Dieldrin	7.958	8.354	899662	537969	5.477	4.957
14)	Endrin	8.127	8.577	668190	393436	5.472	5.036
15)	4,4'-DDD	8.161	8.624	684789	418915	4.821	4.369
16)	Endosulfa...	8.288	8.724	678457	411225	5.476	4.875
17)	4,4'-DDT	8.357	8.848	583993	329138	5.767	5.172
18)	Endrin Al...	8.584	8.959	636014	382029	5.416	4.810
19)	Endosulfa...	8.889	9.153	606997	342781	6.898	5.824
20)	Methoxychlor	8.687	9.314	285264	167014	5.649	5.215
21)	Endrin Ke...	9.089	9.542	647516	376214	18.155	15.751
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212008.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 17:28
Operator : MJB
Sample : 0L21060-CAL4
Misc : A20H472, AB 5 ppb
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:43:39 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:40:53 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

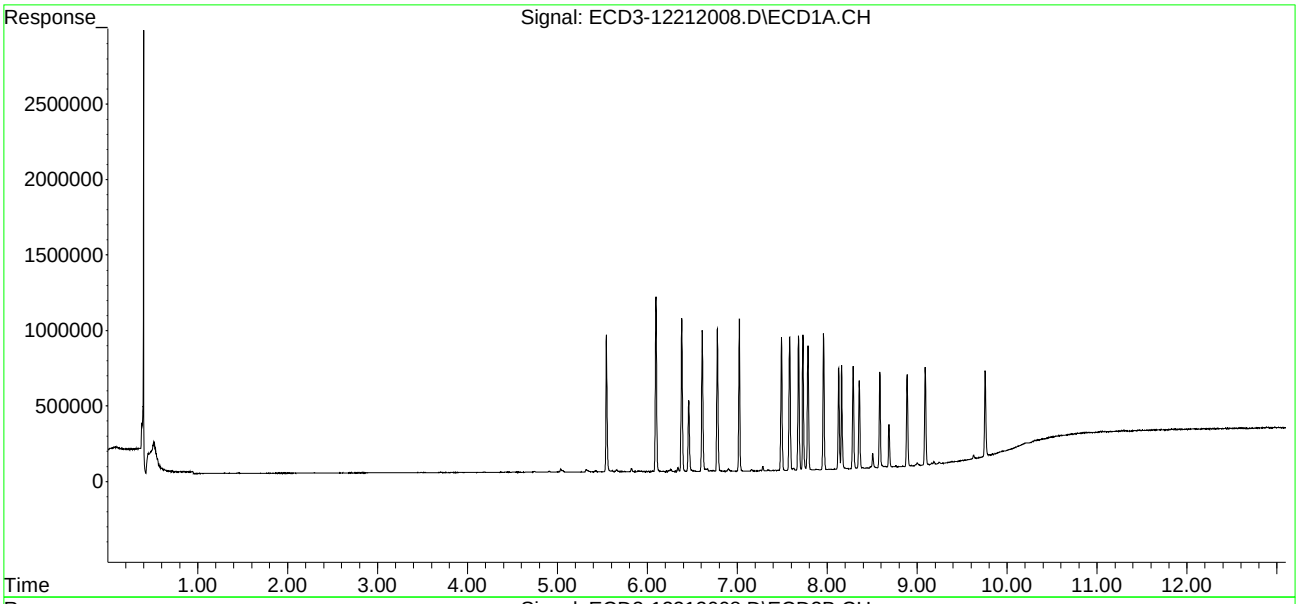
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

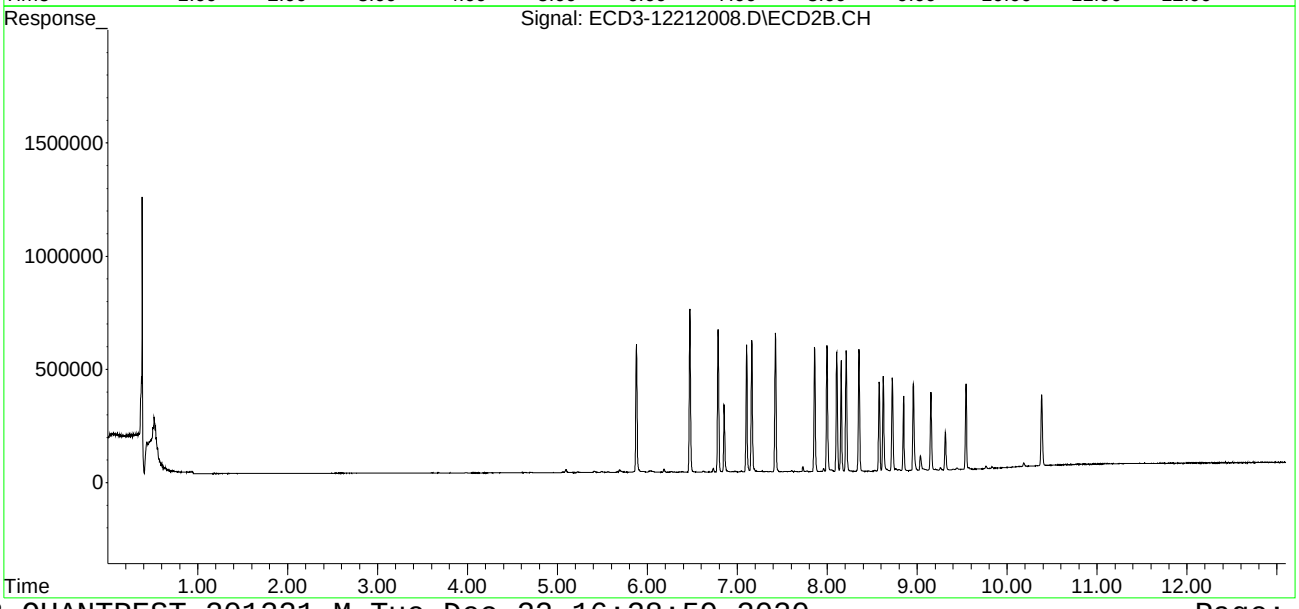
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212008.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 17:28
Operator : MJB
Sample : 0L21060-CAL4
Misc : A20H472, AB 5 ppb
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:43:39 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:40:53 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212009.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 17:45
Operator : MJB
Sample : 0L21060-CAL5 MJB 12/22/20
Misc : A20H473, AB 10 ppb
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:44:12 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:40:53 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1)	S TCMX (S)	5.547	5.879	1811285	1100034	13.154	10.165
22)	S DCBP (S)	9.758	10.386	1119603	610730	9.904	9.304
	Target Compounds						
2)	a-BHC	6.097	6.473	2345272	1472236	11.793	10.475
3)	g-BHC	6.383	6.789	2058709	1267705	11.689	10.105
4)	b-BHC	6.461	6.855	899177	570534	10.899	9.871
5)	Heptachlor	6.781	7.161	1884252	1162531	11.759	10.689
6)	d-BHC	6.612	7.103	1932007	1150262	12.157	10.013
7)	Aldrin	7.023	7.425	1977797	1226388	11.127	10.339
8)	Heptachlo...	7.492	7.860	1751300	1100756	10.630	10.158
9)	trans-Chl...	7.584	8.000	1801581	1106023	10.896	10.035
10)	cis-Chlor...	7.682	8.107	1769460	1071482	10.956	10.107
11)	Endosulfa...	7.786	8.156	1599068	964804	11.053	9.954
12)	4,4'-DDE	7.732	8.211	1796325	1109448	10.899	11.447
13)	Dieldrin	7.959	8.355	1798355	1087832	10.948	10.023
14)	Endrin	8.128	8.577	1329488	769861	10.888	9.854
15)	4,4'-DDD	8.162	8.624	1418309	836706	9.985	8.727
16)	Endosulfa...	8.288	8.724	1366711	823402	11.031	9.762
17)	4,4'-DDT	8.358	8.849	1188853	670281	11.608	10.431
18)	Endrin Al...	8.585	8.960	1249909	722132	11.166	9.608
19)	Endosulfa...	8.890	9.154	1240722	705187	13.935	11.890
20)	Methoxychlor	8.688	9.315	581055	339495	11.506	10.562
21)	Endrin Ke...	9.090	9.543	1335505	765231	35.977	31.144
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212009.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 17:45
Operator : MJB
Sample : 0L21060-CAL5
Misc : A20H473, AB 10 ppb
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:44:12 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:40:53 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

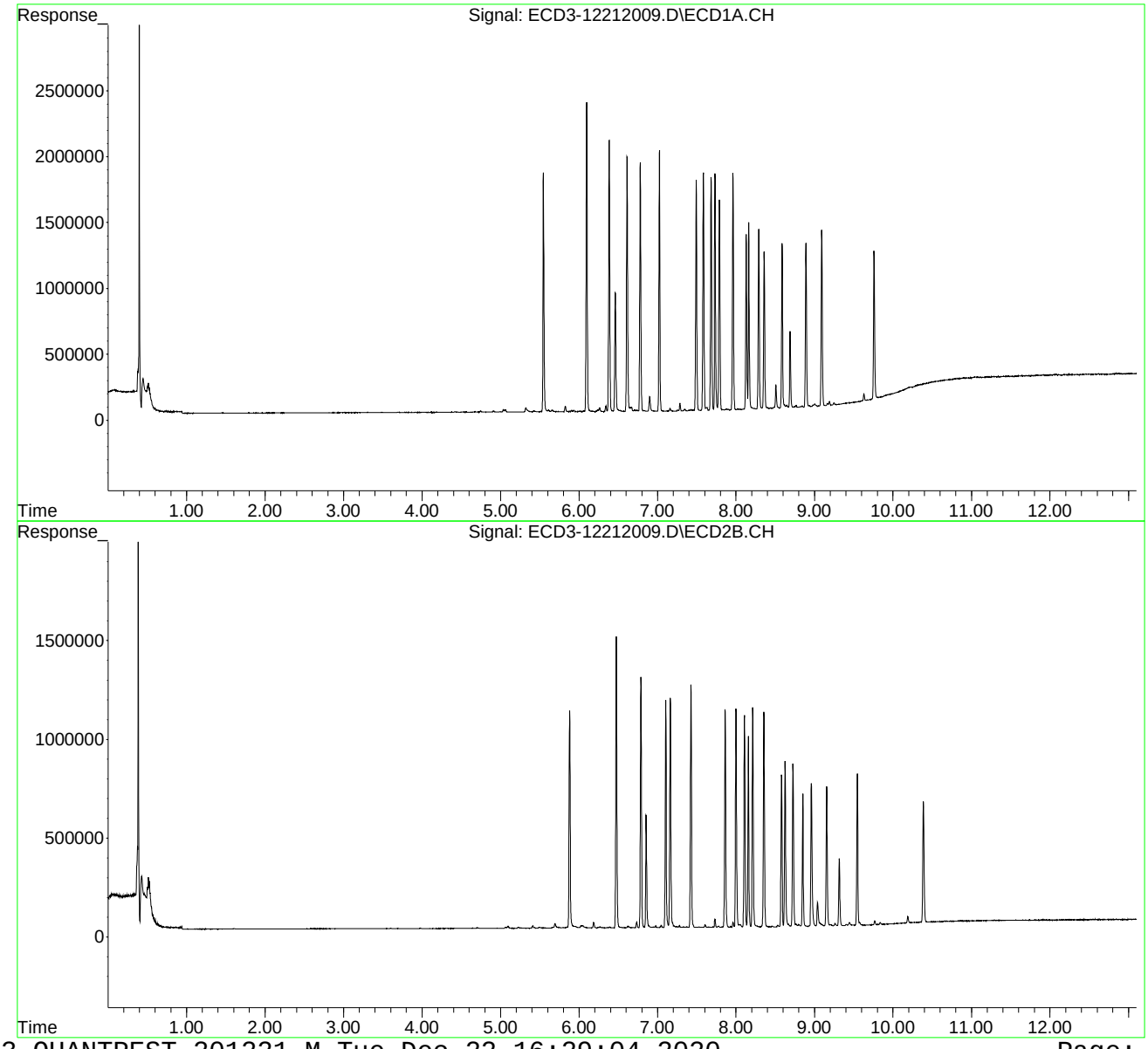
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212009.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 17:45
Operator : MJB
Sample : 0L21060-CAL5
Misc : A20H473, AB 10 ppb
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:44:12 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:40:53 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212010.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 18:02
Operator : MJB
Sample : 0L21060-CAL6 MJB 12/22/20
Misc : A20H474, AB 25 ppb
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:44:45 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:40:53 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	5.546	5.878	4292327	2659552	31.172	24.576
22) S	DCBP (S)	9.757	10.385	2702227	1484236	24.238	22.966
	Target Compounds						
2)	a-BHC	6.096	6.472	5791909	3584105	29.125	25.500
3)	g-BHC	6.382	6.788	4982912	3138001	28.293	25.012
4)	b-BHC	6.460	6.854	2162195	1356700	26.208	23.805
5)	Heptachlor	6.780	7.161	4569863	2896895	28.518	26.636
6)	d-BHC	6.611	7.101	4741415	2898456	29.835	25.230
7)	Aldrin	7.022	7.424	4788242	2950091	26.938	24.870
8)	Heptachlo...	7.491	7.859	4116354	2635629	24.985	24.321
9)	trans-Chl...	7.582	7.999	4394514	2681959	26.578	24.691
10)	cis-Chlor...	7.681	8.107	4136984	2543108	25.614	23.988
11)	Endosulfa...	7.785	8.155	3810530	2388953	26.338	24.648
12)	4,4'-DDE	7.731	8.210	4407331	2693066	26.740	27.786
13)	Dieldrin	7.958	8.354	4302986	2644007	26.196	24.361
14)	Endrin	8.128	8.577	3302742	2002879	27.048	25.636
15)	4,4'-DDD	8.161	8.623	3443204	2105719	24.241	21.963
16)	Endosulfa...	8.288	8.724	3295995	2043625	26.602	24.227
17)	4,4'-DDT	8.358	8.849	3129501	1778326	29.612	26.923
18)	Endrin Al...	8.584	8.959	2950793	1756193	26.947	24.132
19)	Endosulfa...	8.890	9.154	3111187	1762729	33.683	28.918
20)	Methoxychlor	8.687	9.315	1467297	855313	29.056	26.050
21)	Endrin Ke...	9.089	9.543	3284163	1949329	79.899	73.059
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212010.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 18:02
Operator : MJB
Sample : 0L21060-CAL6
Misc : A20H474, AB 25 ppb
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:44:45 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:40:53 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

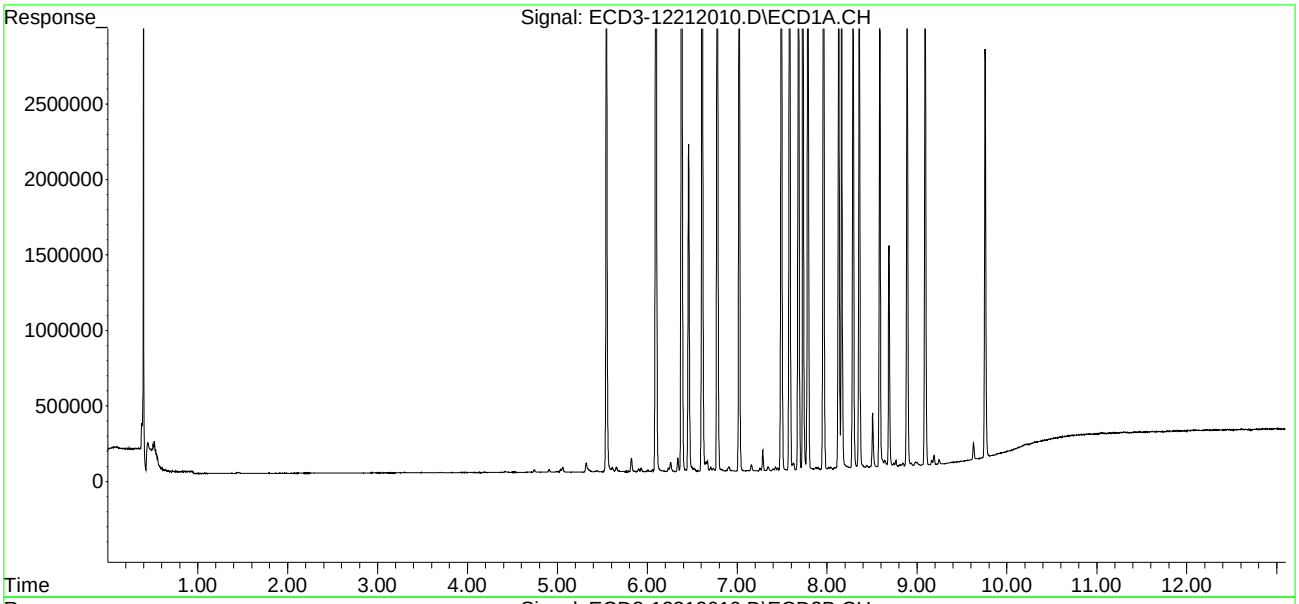
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

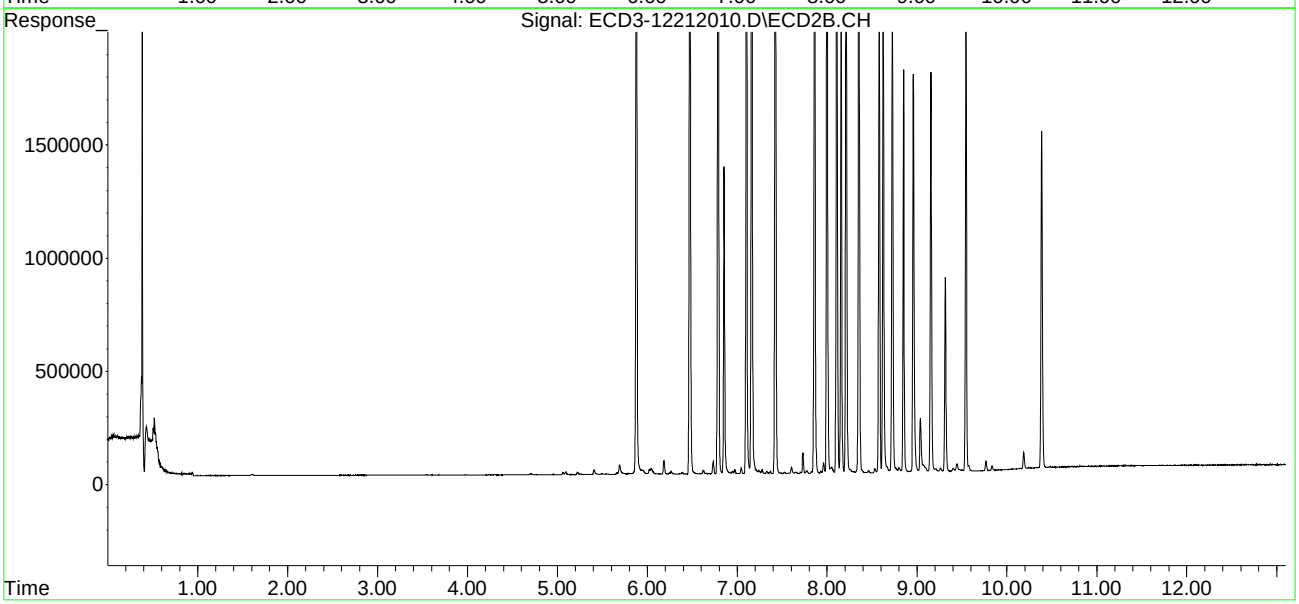
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212010.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 18:02
Operator : MJB
Sample : 0L21060-CAL6
Misc : A20H474, AB 25 ppb
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:44:45 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:40:53 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212011.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 18:19
Operator : MJB
Sample : 0L21060-CAL7
Misc : A20L216, AB 50 ppb
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 12/22/20

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:40:28 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Oct 22 15:41:30 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	5.546	5.878	8449727	5182990	61.363	47.894
22) S	DCBP (S)	9.757	10.385	5300663	2850133	47.974	44.561
	Target Compounds						
2)	a-BHC	6.097	6.473	11089195	6967464	55.763	49.572
3)	g-BHC	6.382	6.787	9727393	5996365	55.232	47.795
4)	b-BHC	6.460	6.854	4154336	2649214	50.355	46.927
5)	Heptachlor	6.780	7.161	9077987	5656967	56.650	52.014
6)	d-BHC	6.612	7.102	9465517	5804524	59.561	50.527
7)	Aldrin	7.022	7.424	9523514	5881869	53.578	49.586
8)	Heptachlo...	7.492	7.859	8293354	5168278	50.338	47.692
9)	trans-Chl...	7.582	7.999	8349258	5382417	50.496	50.067
10)	cis-Chlor...	7.681	8.106	8010309	5019443	49.595	47.346
11)	Endosulfa...	7.785	8.155	7616651	4699799	52.646	48.491
12)	4,4'-DDE	7.732	8.210	8868642	5433116	53.807	56.057
13)	Dieldrin	7.958	8.354	8600411	5309375	52.359	48.918
14)	Endrin	8.128	8.577	6516946	3797575	53.371	48.608
15)	4,4'-DDD	8.161	8.624	6908209	4171215	48.636	43.507
16)	Endosulfa...	8.288	8.724	6559635	4037473	52.943	47.865
17)	4,4'-DDT	8.357	8.849	6211273	3597171	56.250	52.314
18)	Endrin Al...	8.584	8.959	5698586	3349512	51.989	46.327
19)	Endosulfa...	8.890	9.154	5890675	3530147	60.705	55.473
20)	Methoxychlor	8.687	9.314	2836894	1653474	56.178	48.710
21)	Endrin Ke...	9.089	9.542	6463726	3847274	138.813	129.912
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212011.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 18:19
Operator : MJB
Sample : 0L21060-CAL7
Misc : A20L216, AB 50 ppb
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:40:28 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Oct 22 15:41:30 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

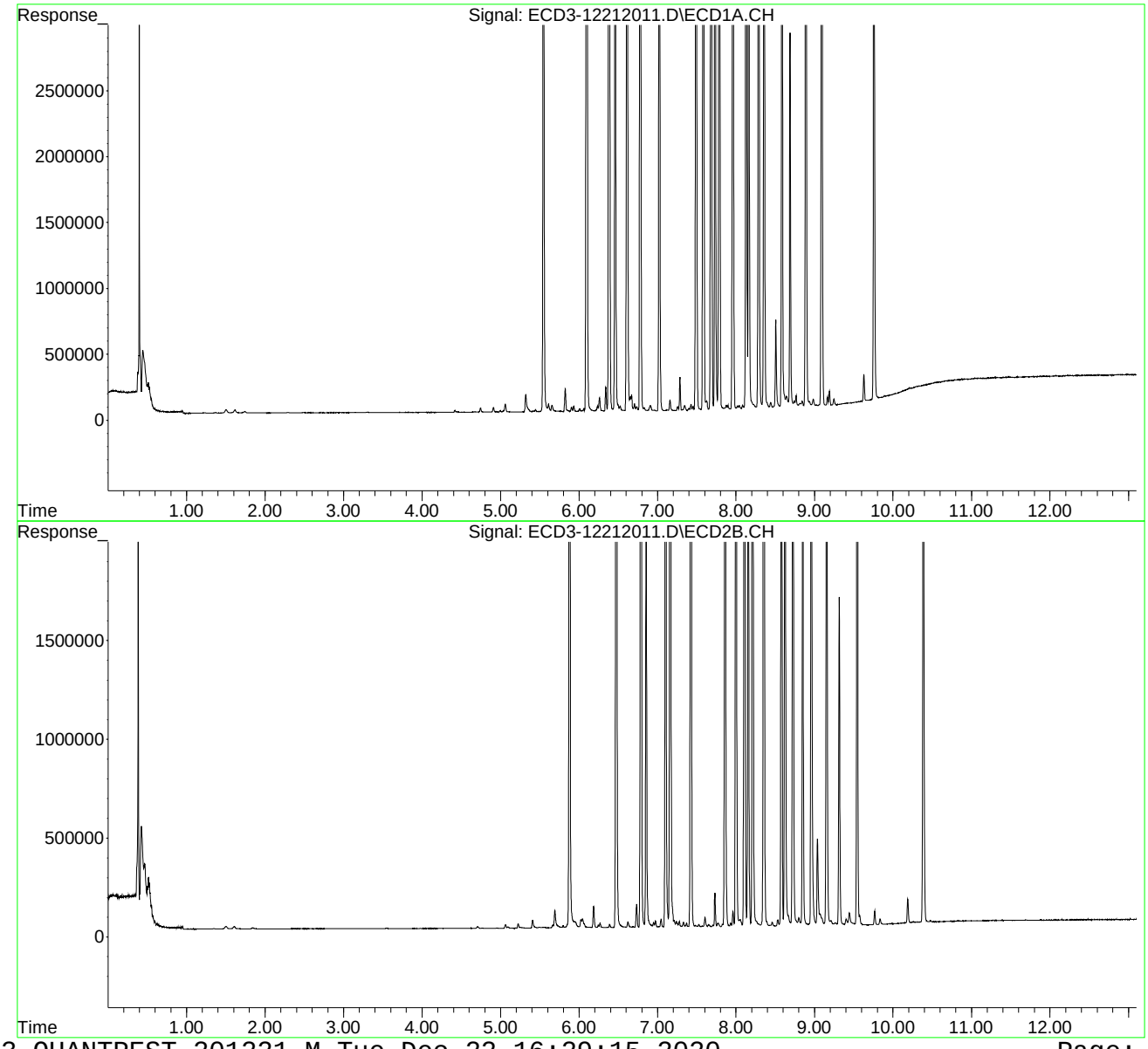
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212011.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 18:19
Operator : MJB
Sample : 0L21060-CAL7
Misc : A20L216, AB 50 ppb
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:40:28 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Thu Oct 22 15:41:30 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212012.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 18:36
Operator : MJB
Sample : 0L21060-CAL8 MJB 12/22/20
Misc : A20L217, AB 100 ppb
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:45:19 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:40:53 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	5.546	5.877	17488515	10672130	127.005	98.618
22) S	DCBP (S)	9.756	10.383	10347959	5715944	94.829	90.843
	Target Compounds						
2)	a-BHC	6.096	6.472	23716686	14036765	119.262	99.869
3)	g-BHC	6.382	6.787	20651504	12180265	117.259	97.086
4)	b-BHC	6.459	6.853	8743523	5389312	105.981	96.865
5)	Heptachlor	6.780	7.160	18657959	11315813	116.433	104.046
6)	d-BHC	6.611	7.101	19719050	11755212	124.080	102.326
7)	Aldrin	7.022	7.423	19301740	11559819	108.589	97.453
8)	Heptachlo...	7.491	7.859	16882522	10438810	102.472	96.328
9)	trans-Chl...	7.582	7.998	17637351	10750693	106.671	101.549
10)	cis-Chlor...	7.680	8.105	16946533	10255498	104.924	96.736
11)	Endosulfa...	7.784	8.154	15091731	9528464	104.314	98.311
12)	4,4'-DDE	7.731	8.209	17918280	10820932	108.713	111.646
13)	Dieldrin	7.958	8.353	17597181	10778444	107.131	99.307
14)	Endrin	8.127	8.576	13729476	8147438	112.438	104.284
15)	4,4'-DDD	8.160	8.623	14249281	8646172	100.319	90.183
16)	Endosulfa...	8.287	8.722	13295508	8100389	107.309	96.031
17)	4,4'-DDT	8.356	8.847	13355733	7543458	111.155	101.891
18)	Endrin Al...	8.583	8.958	11495865	7024087	103.134	96.694
19)	Endosulfa...	8.888	9.152	12381150	7292544	116.085	106.022
20)	Methoxychlor	8.687	9.313	6024815	3718887	119.307	101.633
21)	Endrin Ke...	9.088	9.541	13879064	8059157	245.599	231.162
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212012.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 18:36
Operator : MJB
Sample : 0L21060-CAL8
Misc : A20L217, AB 100 ppb
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:45:19 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:40:53 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

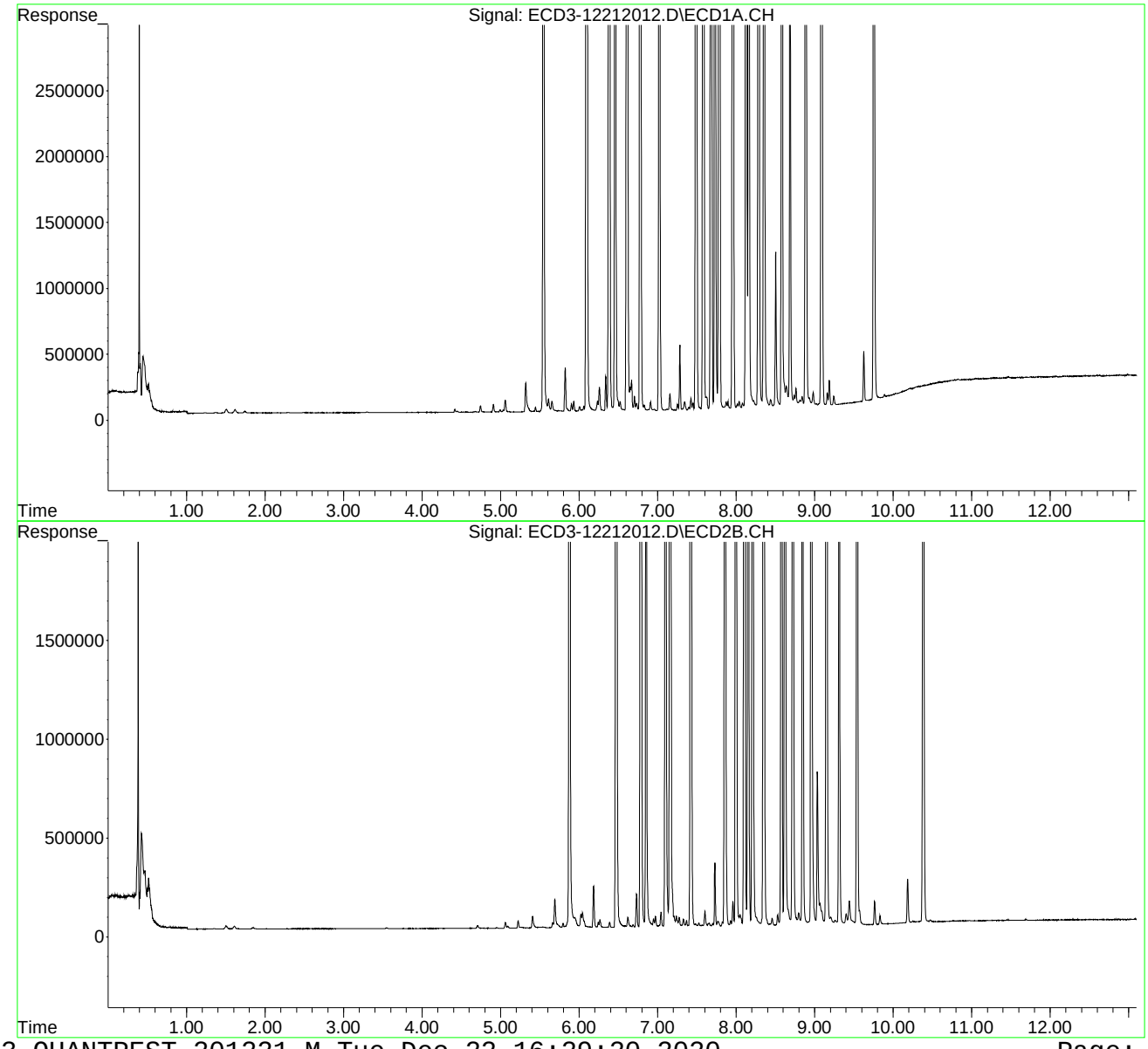
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212012.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 18:36
Operator : MJB
Sample : 0L21060-CAL8
Misc : A20L217, AB 100 ppb
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:45:19 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:40:53 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212013.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 18:54
Operator : MJB
Sample : 0L21060-CAL9 MJB 12/22/20
Misc : A20H470, AB 200 ppb
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:45:52 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:40:53 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	5.547	5.877	35384010	20779275	256.965	192.015
22) S	DCBP (S)	9.757	10.384	21835680	11755364	205.484	193.183
	Target Compounds						
2)	a-BHC	6.097	6.472	49669481	27892627	249.769	198.451
3)	g-BHC	6.383	6.788	42534037	24628055	241.507	196.304
4)	b-BHC	6.460	6.854	17938884	10938909	217.440	202.201
5)	Heptachlor	6.781	7.161	37679952	22881432	235.138	210.389
6)	d-BHC	6.611	7.102	42014130	23869964	264.369	207.781
7)	Aldrin	7.023	7.424	39773064	23060791	223.758	194.410
8)	Heptachlo...	7.492	7.859	34566053	20826321	209.807	192.182
9)	trans-Chl...	7.583	7.999	37028644	21473004	223.950	208.941
10)	cis-Chlor...	7.681	8.106	35543836	20065484	220.068	189.270
11)	Endosulfa...	7.785	8.155	31419175	19382935	217.168	199.985
12)	4,4'-DDE	7.732	8.210	37354751	22201858	226.637	229.070
13)	Dieldrin	7.959	8.354	37180239	21540625	226.352	198.465
14)	Endrin	8.128	8.577	28614683	16556473	234.340	211.917
15)	4,4'-DDD	8.161	8.624	30296126	17935858	213.292	187.078
16)	Endosulfa...	8.287	8.723	28106345	16950954	226.849	200.956
17)	4,4'-DDT	8.358	8.849	27140349	15706430	199.782	188.655
18)	Endrin Al...	8.584	8.959	24671834	14373784	212.054	194.257
19)	Endosulfa...	8.889	9.153	26218822	15250393	212.443	195.687
20)	Methoxychlor	8.687	9.314	12466042	7670080	246.860	187.507
21)	Endrin Ke...	9.089	9.542	29347553	16625613	408.996	387.029
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212013.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 18:54
Operator : MJB
Sample : 0L21060-CAL9
Misc : A20H470, AB 200 ppb
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:45:52 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:40:53 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

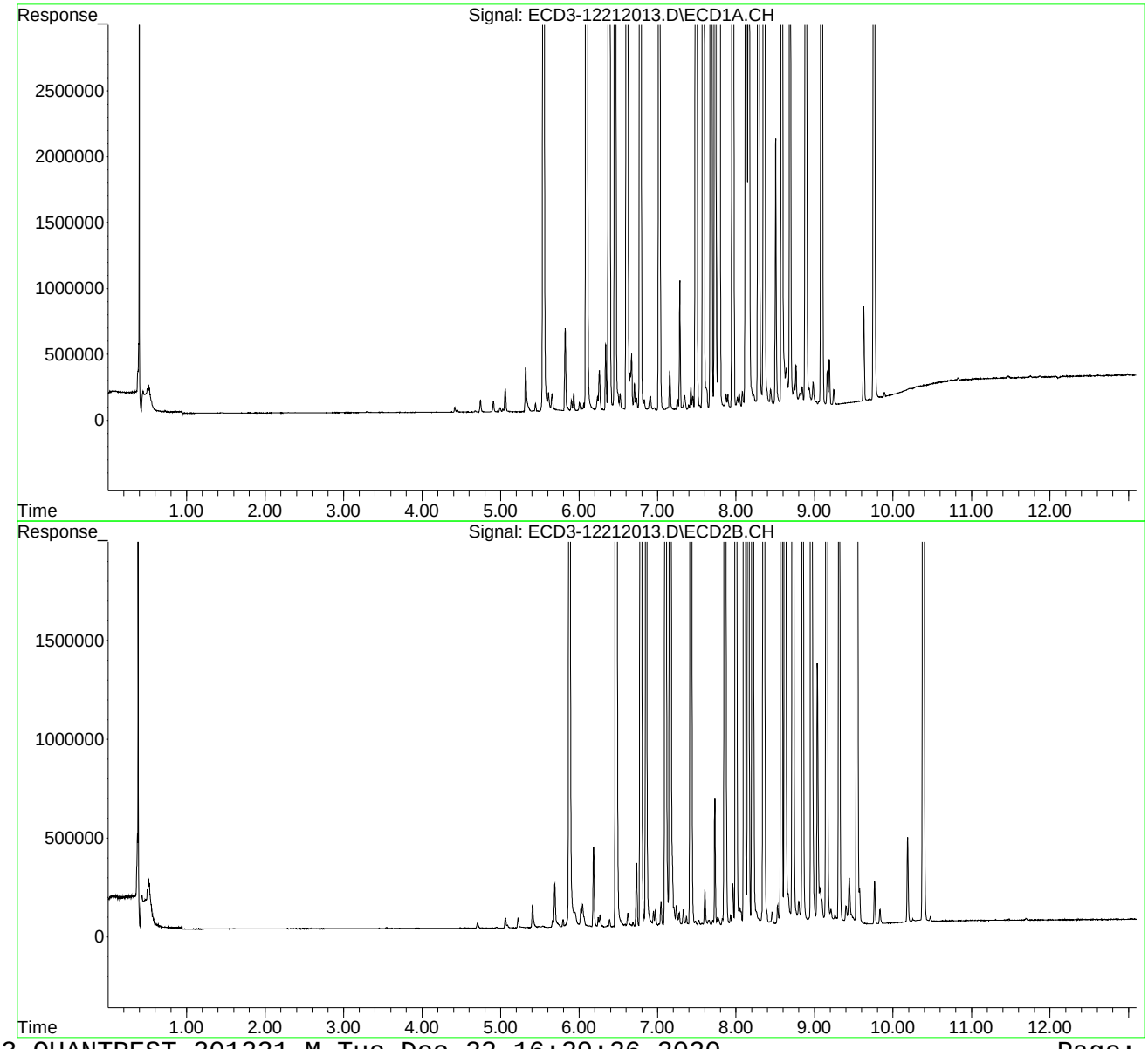
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212013.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 18:54
Operator : MJB
Sample : 0L21060-CAL9
Misc : A20H470, AB 200 ppb
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:45:52 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:40:53 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212016.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 19:45
Operator : MJB
Sample : 0L21060-CALA MJB 12/22/20
Misc : A20L364, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:48:18 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:47:34 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	3.341	3.588	116077	85637	0.615	0.461
24)	Hexachlor...	5.932	6.341	121276	77749	0.660	0.513
25)	Oxychlordane	7.414	7.790	102641	66283	0.585	0.696
26)	2,4'-DDE	7.480	7.986	76692	49930	0.585	0.686
27)	trans-Non...	7.667	8.065	115657	73522	0.588	0.557
28)	2,4'-DDD	7.859	8.357	65841	44616	0.459	0.429
29)	2,4'-DDT	8.040	8.578	62703	39652	0.715	0.676

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212016.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 19:45
Operator : MJB
Sample : 0L21060-CALA
Misc : A20L364, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:48:18 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:47:34 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

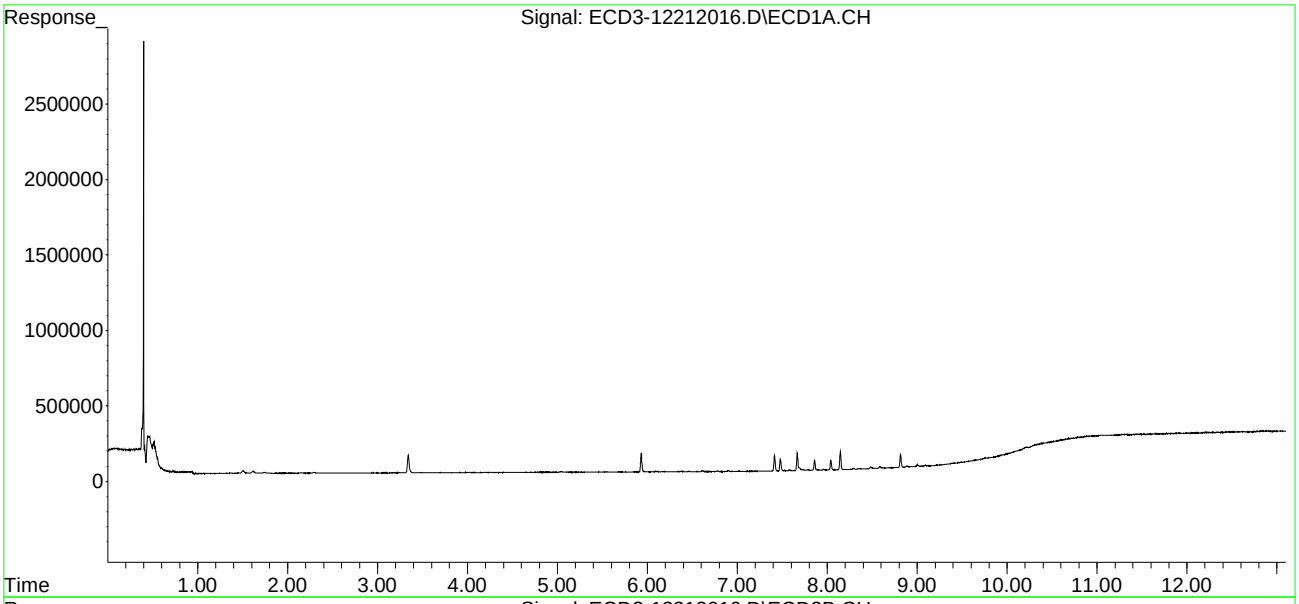
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.144	8.624	119694	76941	0.546	0.469
31)	Mirex	8.815	9.530	86454	51606	0.536	0.464
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

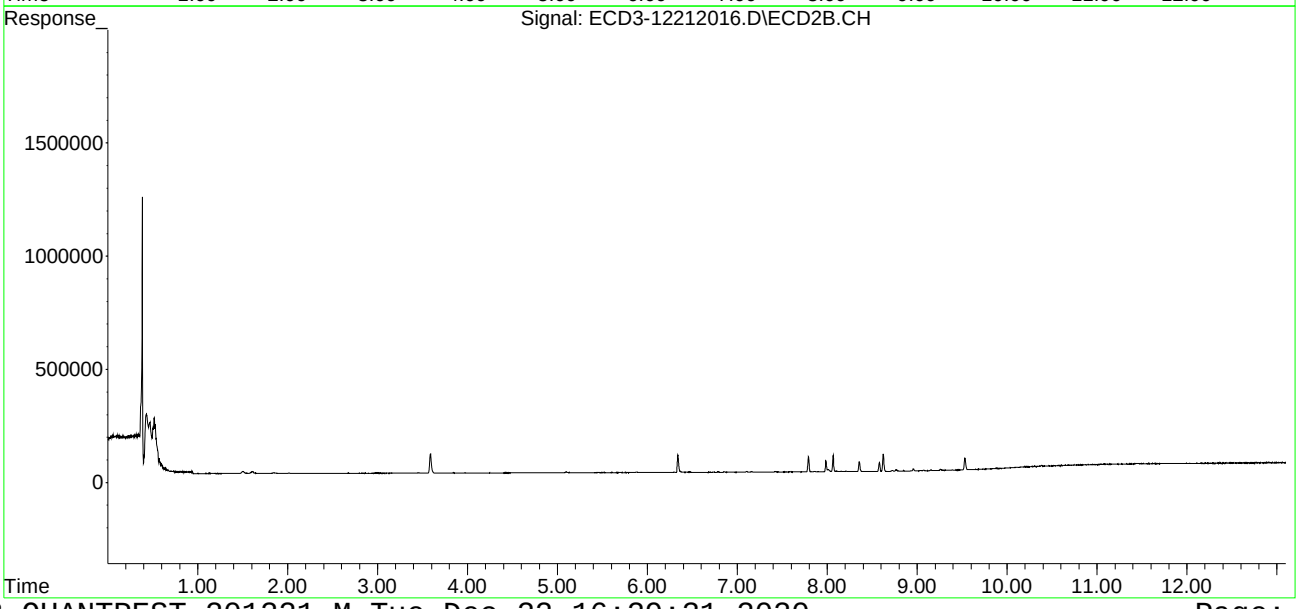
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212016.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 19:45
Operator : MJB
Sample : 0L21060-CALA
Misc : A20L364, 9-42 0.5 ppb
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:48:18 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:47:34 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212017.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 20:02
Operator : MJB
Sample : 0L21060-CALB MJB 12/22/20
Misc : A20I180, 9-42 1 ppb
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:48:50 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:47:34 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	3.339	3.588	224341	161954	1.188	1.028
24)	Hexachlor...	5.931	6.340	225998	147483	1.419	1.170
25)	Oxychlordane	7.413	7.789	185955	124208	1.213	1.304
26)	2,4'-DDE	7.478	7.985	147522	93570	1.295	1.286
27)	trans-Non...	7.666	8.064	213054	133632	1.243	1.147
28)	2,4'-DDD	7.857	8.356	128736	83683	1.138	1.032
29)	2,4'-DDT	8.038	8.578	115830	69970	1.433	1.292

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212017.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 20:02
Operator : MJB
Sample : 0L21060-CALB
Misc : A20I180, 9-42 1 ppb
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:48:50 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:47:34 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

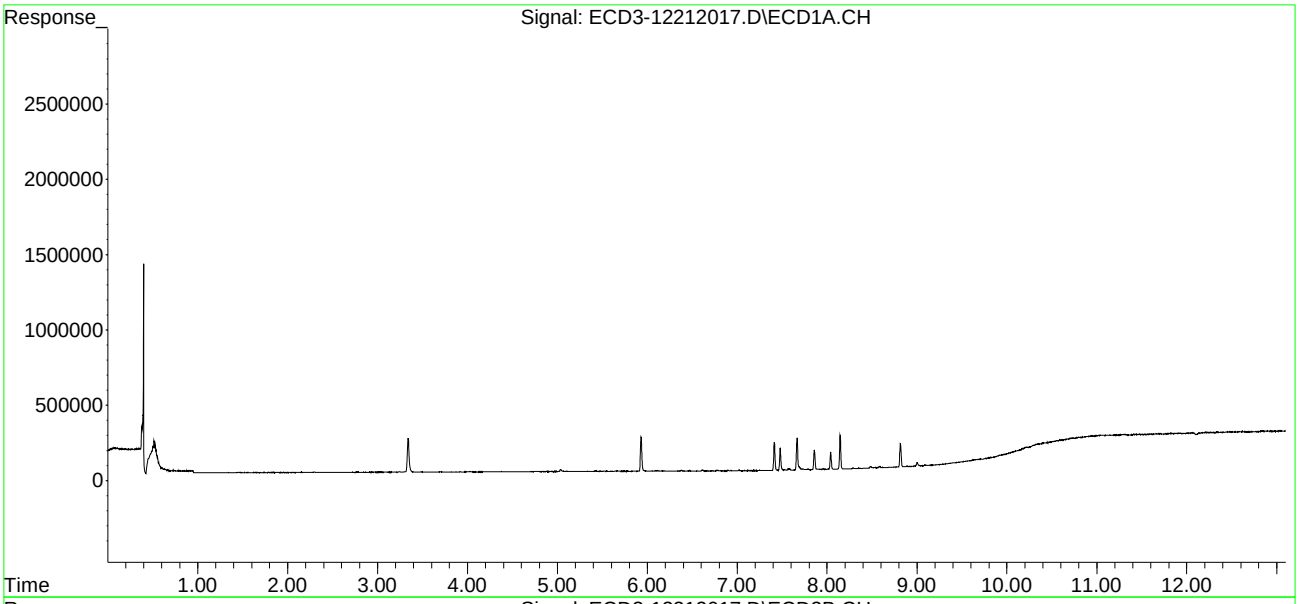
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.143	8.622	223624	141902	1.200	1.083
31)	Mirex	8.814	9.529	153713	92344	1.219	1.089
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

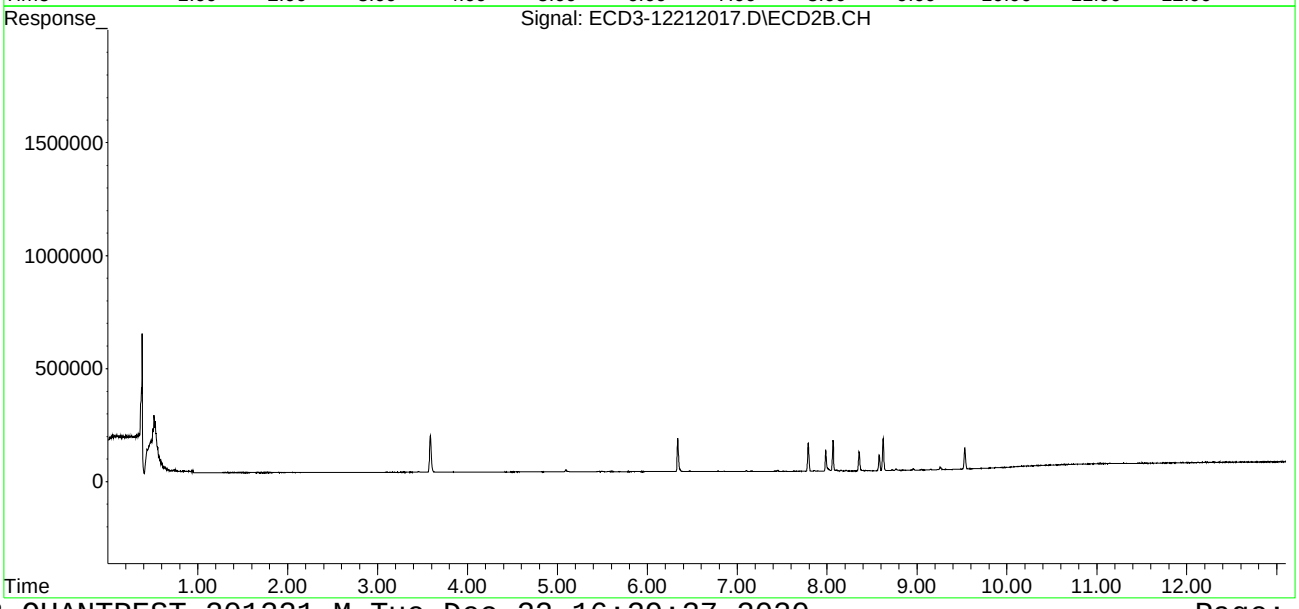
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212017.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 20:02
Operator : MJB
Sample : 0L21060-CALB
Misc : A20I180, 9-42 1 ppb
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:48:50 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:47:34 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 20:19
Operator : MJB
Sample : 0L21060-CALC MJB 12/22/20
Misc : A20I181, 9-42 2 ppb
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:49:22 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:47:34 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	3.341	3.588	420677	309224	2.228	2.124
24)	Hexachlor...	5.932	6.341	401929	256997	2.693	2.201
25)	Oxychlordane	7.414	7.790	339179	218305	2.366	2.292
26)	2,4'-DDE	7.480	7.985	268568	170582	2.508	2.344
27)	trans-Non...	7.667	8.065	393050	241013	2.454	2.202
28)	2,4'-DDD	7.859	8.357	235482	146610	2.290	2.003
29)	2,4'-DDT	8.039	8.579	208983	126235	2.688	2.431

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 20:19
Operator : MJB
Sample : 0L21060-CALC
Misc : A20I181, 9-42 2 ppb
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:49:22 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:47:34 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

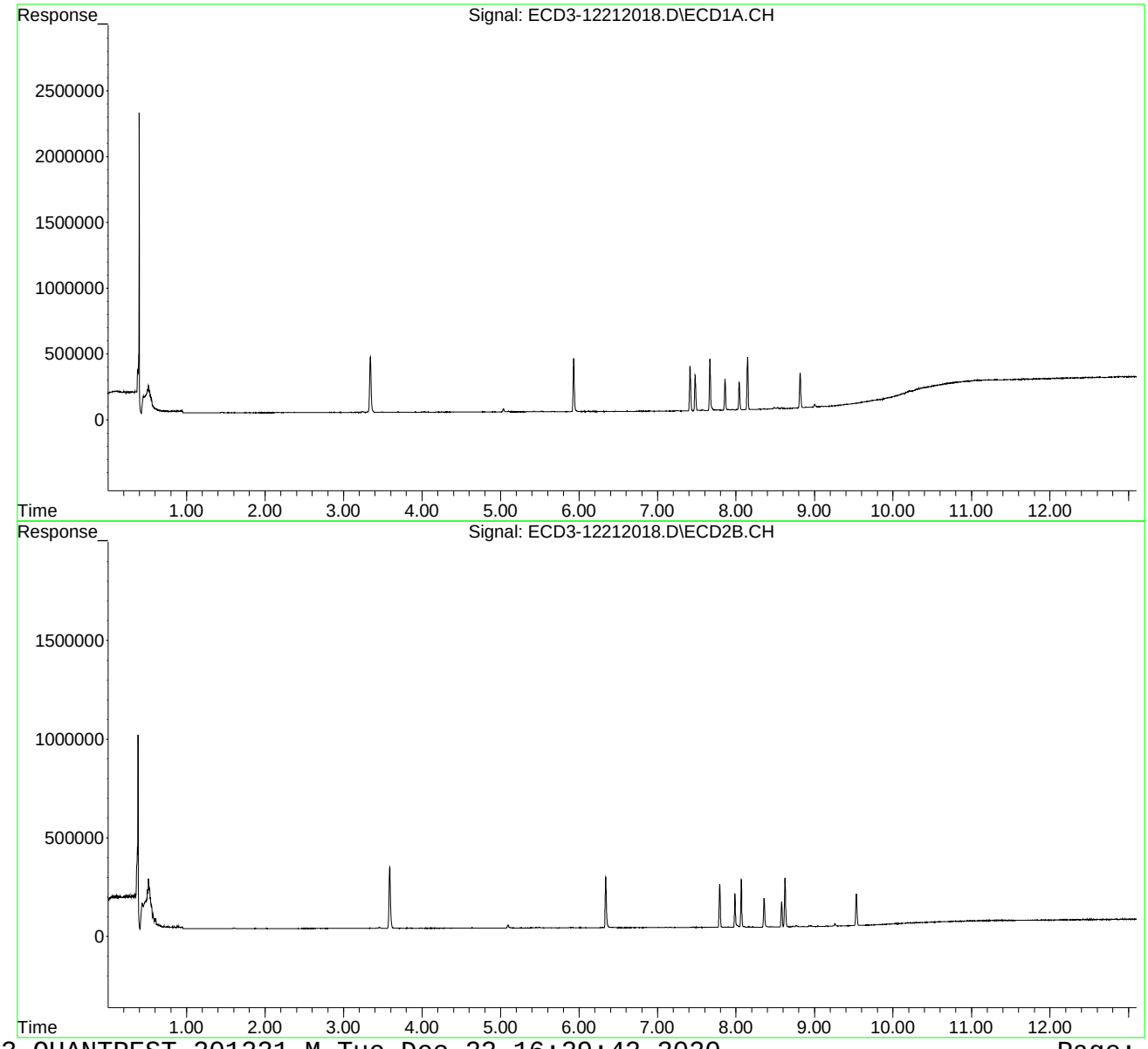
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.145	8.624	397849	247638	2.294	2.083
31)	Mirex	8.815	9.530	265040	160062	2.349	2.128
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 20:19
Operator : MJB
Sample : 0L21060-CALC
Misc : A20I181, 9-42 2 ppb
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:49:22 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:47:34 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212019.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 20:36
Operator : MJB
Sample : 0L21060-CALD MJB 12/22/20
Misc : A20I182, 9-42 5 ppb
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:49:55 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:47:34 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	3.340	3.587	876870	612404	4.644	4.385
24)	Hexachlor...	5.930	6.338	841692	524266	5.874	4.721
25)	Oxychlordane	7.411	7.787	726873	444537	5.284	4.667
26)	2,4'-DDE	7.477	7.983	568229	350613	5.509	4.819
27)	trans-Non...	7.664	8.062	829270	493676	5.385	4.686
28)	2,4'-DDD	7.856	8.355	494636	307629	5.089	4.491
29)	2,4'-DDT	8.037	8.577	448991	265611	5.895	5.235

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212019.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 20:36
Operator : MJB
Sample : 0L21060-CALD
Misc : A20I182, 9-42 5 ppb
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:49:55 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:47:34 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

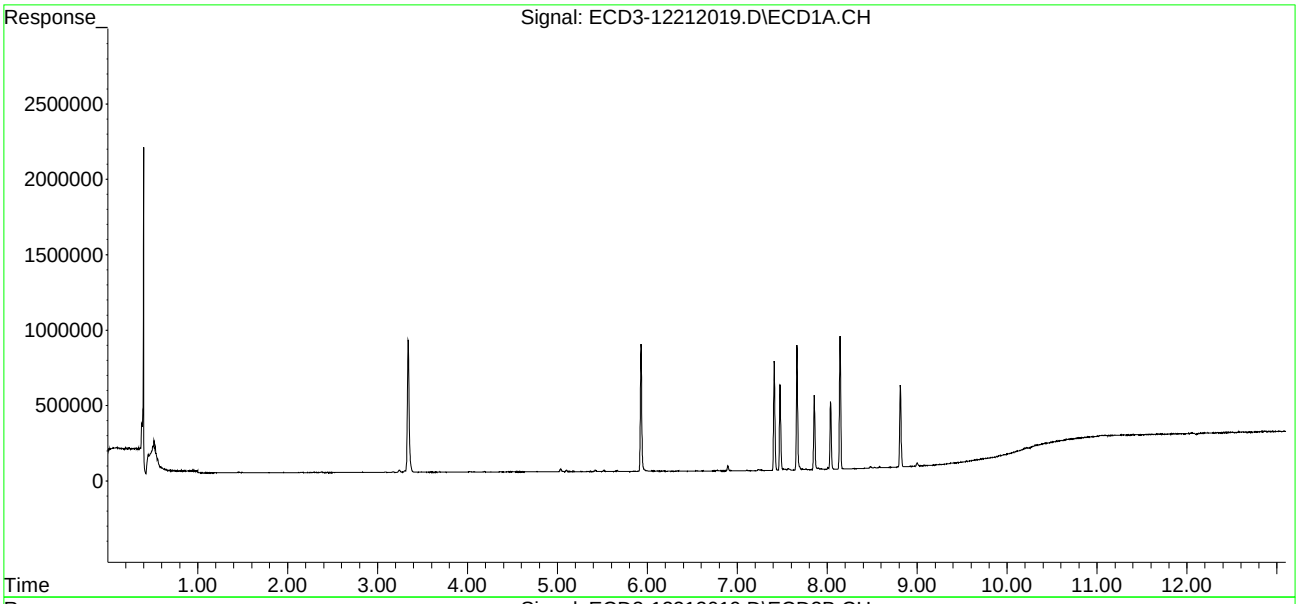
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.142	8.622	882081	522720	5.332	4.685
31)	Mirex	8.813	9.528	544551	327616	5.188	4.700
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

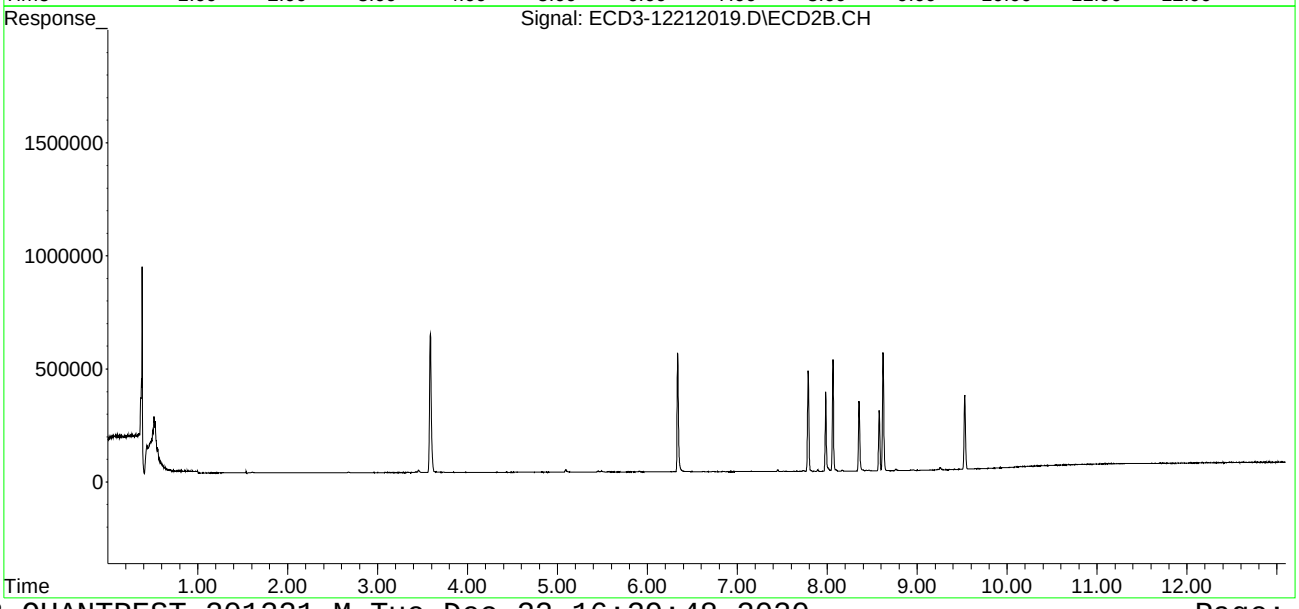
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212019.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 20:36
Operator : MJB
Sample : 0L21060-CALD
Misc : A20I182, 9-42 5 ppb
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:49:55 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:47:34 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212020.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 20:54
Operator : MJB
Sample : 0L21060-CALE MJB 12/22/20
Misc : A20I183, 9-42 10 ppb
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:50:28 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:47:34 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	3.340	3.587	1746550	1205956	9.250	8.834
24)	Hexachlor...	5.930	6.339	1712514	1066777	12.157	9.847
25)	Oxychlordane	7.412	7.787	1456706	901175	10.767	9.460
26)	2,4'-DDE	7.477	7.983	1120955	696129	11.041	9.567
27)	trans-Non...	7.665	8.063	1681190	1015990	11.094	9.833
28)	2,4'-DDD	7.856	8.355	971587	601785	10.244	9.047
29)	2,4'-DDT	8.037	8.577	913433	530524	11.995	10.493

ECD3_QUANTPEST_201221.M Tue Dec 22 16:29:53 2020 Page: 1

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212020.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 20:54
Operator : MJB
Sample : 0L21060-CALE
Misc : A20I183, 9-42 10 ppb
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:50:28 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:47:34 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

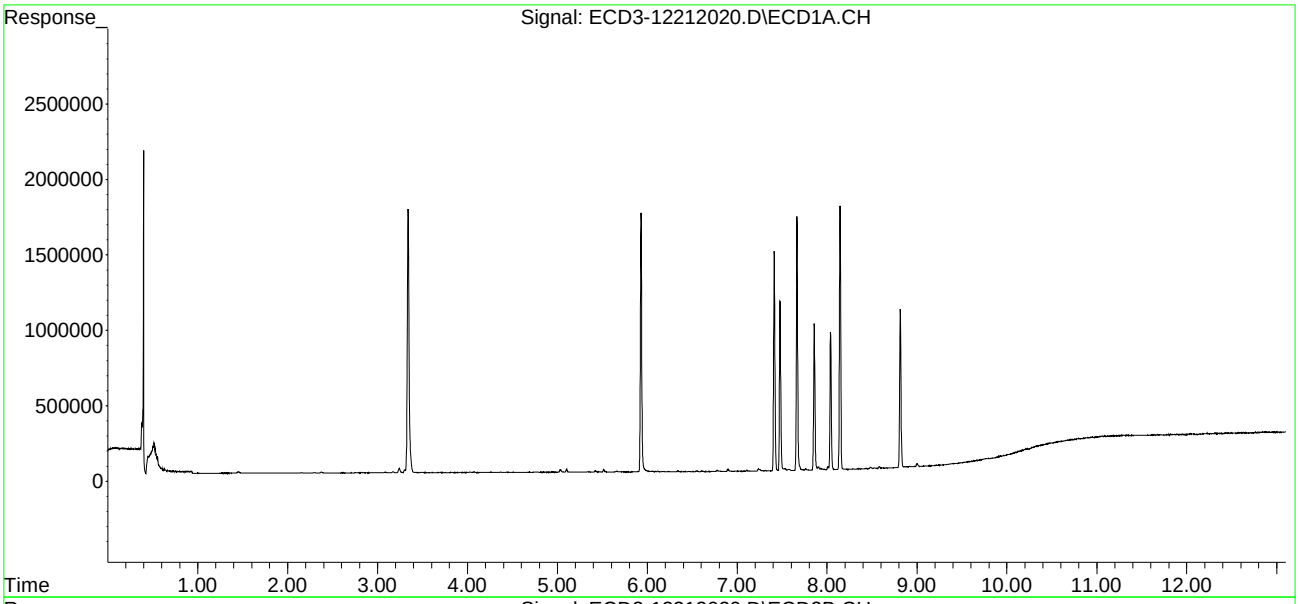
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.142	8.621	1748707	1043418	10.752	9.608
31)	Mirex	8.813	9.528	1048167	611173	10.302	9.061
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

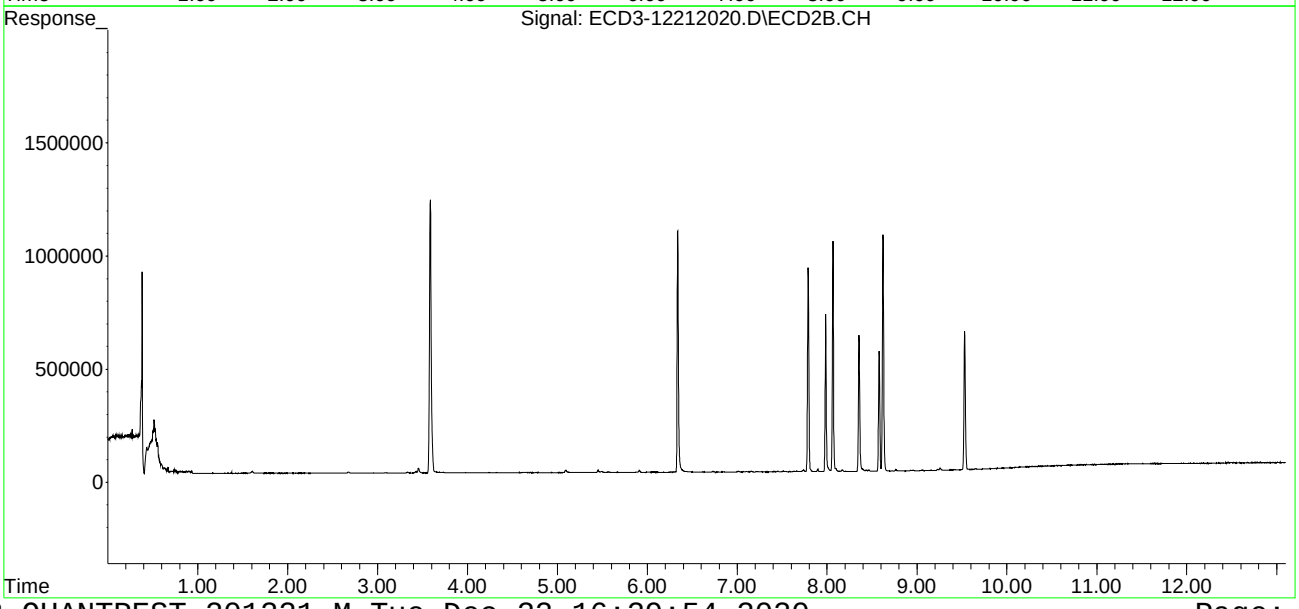
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212020.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 20:54
Operator : MJB
Sample : 0L21060-CALE
Misc : A20I183, 9-42 10 ppb
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:50:28 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:47:34 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212021.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 21:11
Operator : MJB
Sample : 0L21060-CALF
Misc : A20I184, 9-42 25 ppb
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 12/22/20

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:50:58 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:47:34 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	3.338	3.585	3798124	2711999	20.115	20.252
24)	Hexachlor...	5.930	6.339	4107406	2552005	29.333	23.949
25)	Oxychlordane	7.411	7.787	3571607	2179006	26.602	22.875
26)	2,4'-DDE	7.477	7.983	2699150	1737593	26.808	23.881
27)	trans-Non...	7.665	8.063	4062958	2446752	26.949	24.012
28)	2,4'-DDD	7.856	8.355	2435351	1491641	26.106	22.910
29)	2,4'-DDT	8.037	8.577	2368688	1382934	30.296	26.820

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212021.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 21:11
Operator : MJB
Sample : 0L21060-CALF
Misc : A20I184, 9-42 25 ppb
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:50:58 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:47:34 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

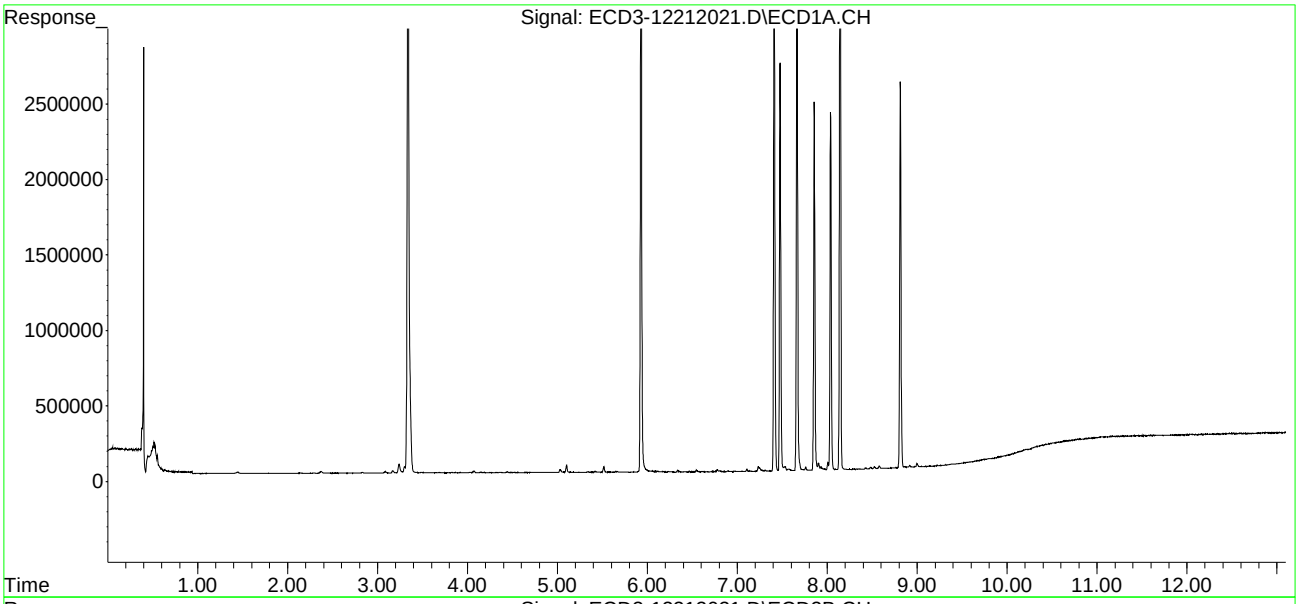
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.142	8.622	4335974	2622623	26.809	24.533
31)	Mirex	8.813	9.528	2560068	1490973	25.651	22.651
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

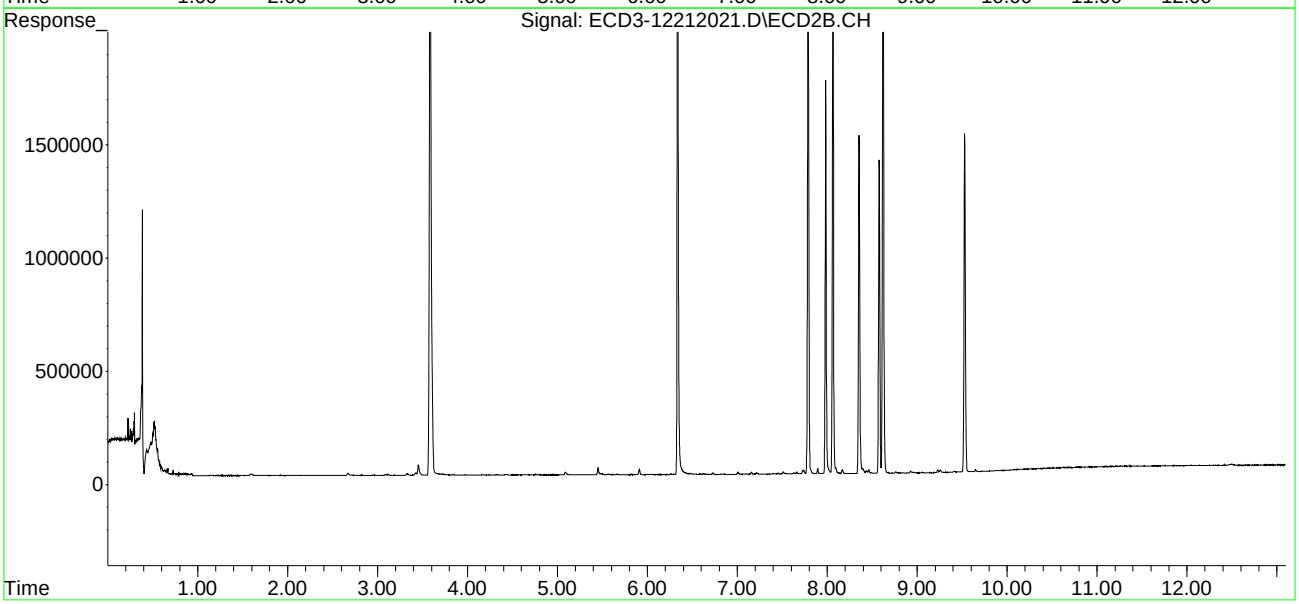
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212021.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 21:11
Operator : MJB
Sample : 0L21060-CALF
Misc : A20I184, 9-42 25 ppb
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:50:58 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:47:34 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212022.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 21:28
Operator : MJB
Sample : 0L21060-CALG
Misc : A20I185, 9-42 50 ppb
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 12/22/20

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:47:27 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:40:53 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	3.339	3.586	8119079	5563181	43.000	42.413
24)	Hexachlor...	5.930	6.338	8242553	5199519	58.635	49.350
25)	Oxychlordane	7.411	7.787	7035956	4446714	52.363	46.681
26)	2,4'-DDE	7.477	7.983	5349587	3503748	53.191	48.154
27)	trans-Non...	7.664	8.062	8049459	4969548	53.150	49.312
28)	2,4'-DDD	7.856	8.355	4805659	2989830	51.919	46.540
29)	2,4'-DDT	8.037	8.576	4804132	2808239	58.623	52.392

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212022.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 21:28
Operator : MJB
Sample : 0L21060-CALG
Misc : A20I185, 9-42 50 ppb
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:47:27 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:40:53 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

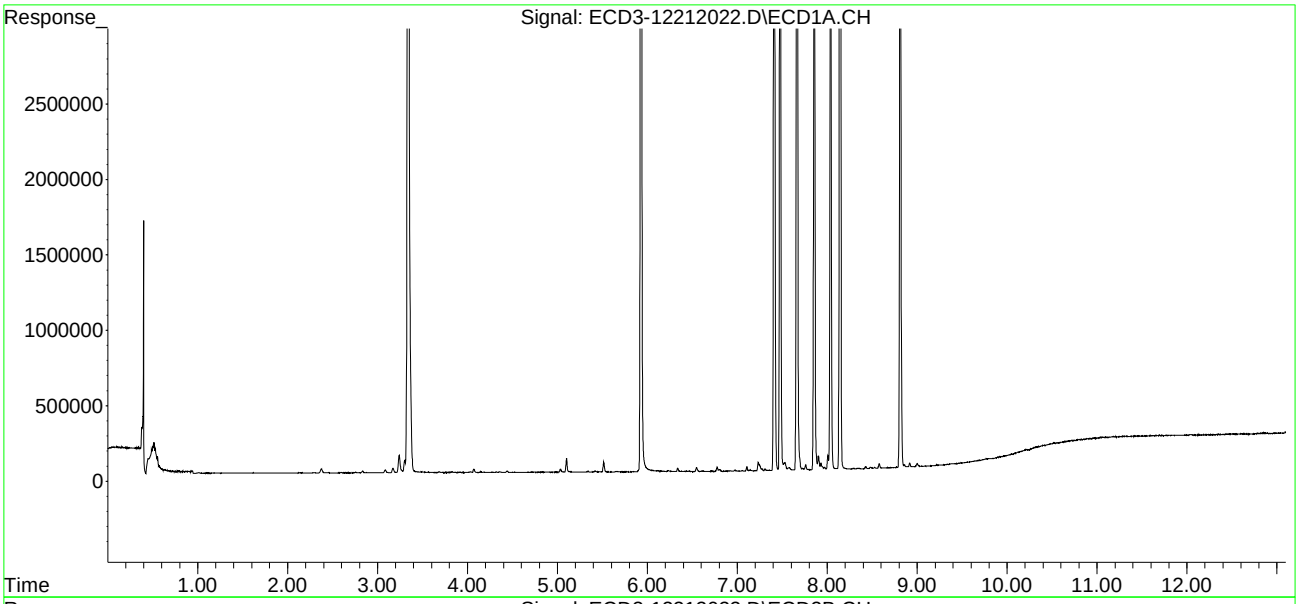
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.142	8.621	8691259	5323514	53.436	50.037
31)	Mirex	8.813	9.528	5065560	3002280	51.073	46.206
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

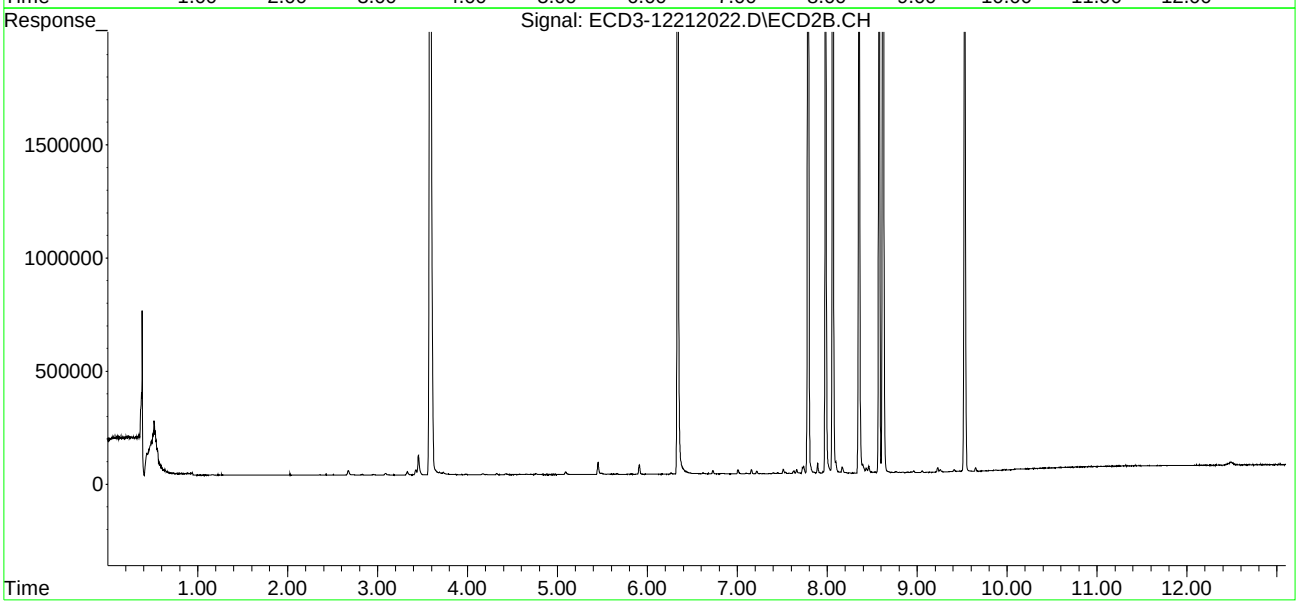
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212022.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 21:28
Operator : MJB
Sample : 0L21060-CALG
Misc : A20I185, 9-42 50 ppb
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:47:27 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:40:53 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212023.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 21:45
Operator : MJB
Sample : 0L21060-CALH MJB 12/22/20
Misc : A20I186, 9-42 100 ppb
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:51:35 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:47:34 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	3.339	3.586	18404646	12222229	97.473	97.349
24)	Hexachlor...	5.929	6.337	17904460	10838170	125.453	104.629
25)	Oxychlordane	7.410	7.786	15277430	9525593	112.787	99.999
26)	2,4'-DDE	7.476	7.982	11395840	7471565	112.939	102.686
27)	trans-Non...	7.663	8.061	17452746	10688430	113.380	108.154
28)	2,4'-DDD	7.855	8.353	10402439	6425794	113.509	102.187
29)	2,4'-DDT	8.036	8.576	10883750	6525277	120.373	111.513

ECD3_QUANTPEST_201221.M Tue Dec 22 16:30:08 2020 Page: 1

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212023.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 21:45
Operator : MJB
Sample : 0L21060-CALH
Misc : A20I186, 9-42 100 ppb
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:51:35 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:47:34 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

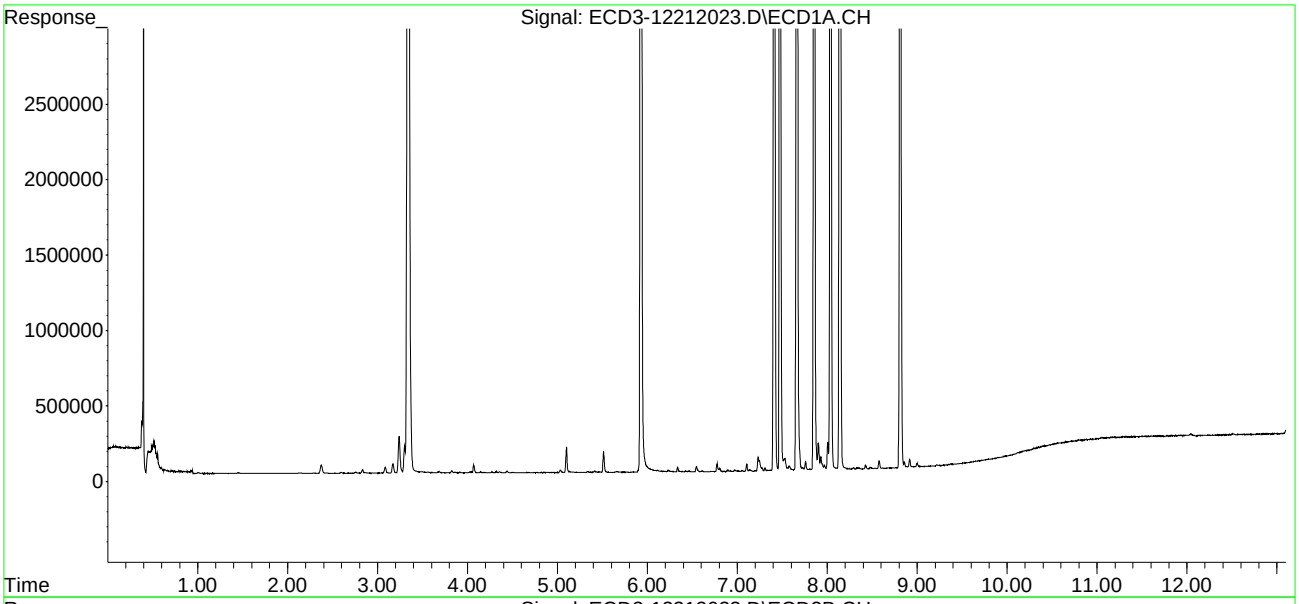
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.141	8.621	18971752	11267994	114.419	106.067
31)	Mirex	8.812	9.527	10768110	6440723	108.869	100.839
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

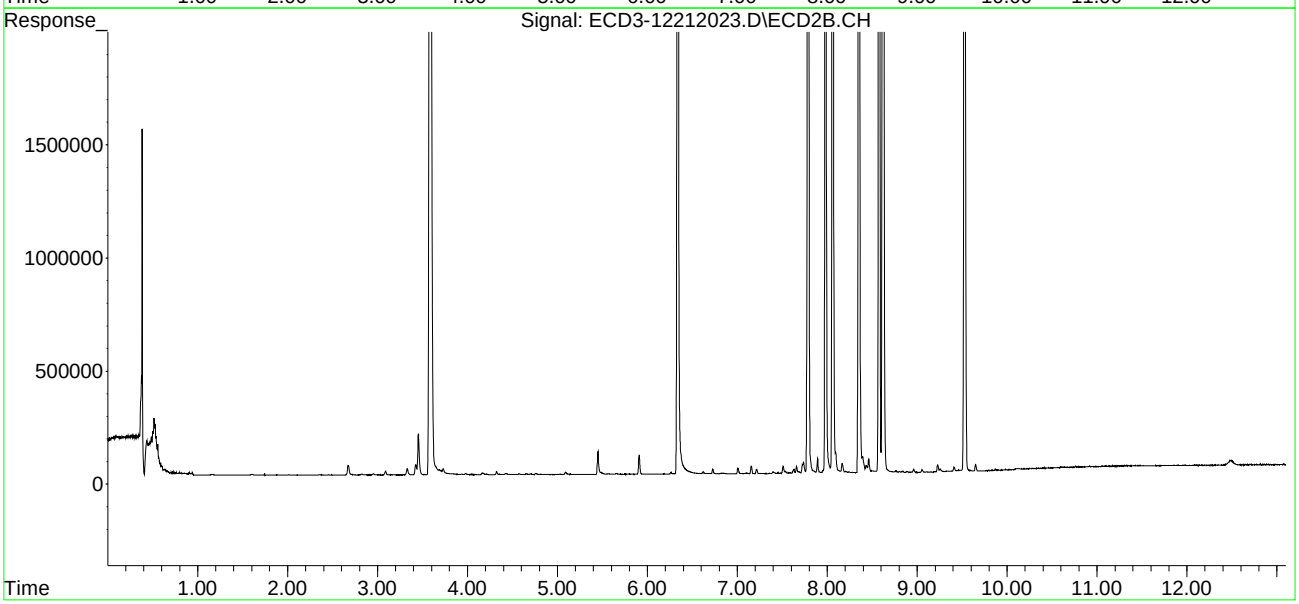
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212023.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 21:45
Operator : MJB
Sample : 0L21060-CALH
Misc : A20I186, 9-42 100 ppb
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:51:35 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:47:34 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212024.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 22:02
Operator : MJB
Sample : 0L21060-CALI
Misc : A20I179, 9-42 200 ppb
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 12/22/20

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:52:08 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:47:34 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	3.338	3.585	31594203	20439210	167.326	173.001
24)	Hexachlor...	5.929	6.337	34082473	19769914	232.666	195.800
25)	Oxychlordane	7.410	7.786	29256203	17657674	212.670	185.369
26)	2,4'-DDE	7.476	7.982	21891952	13762366	215.260	189.144
27)	trans-Non...	7.663	8.061	32840229	19695456	207.653	205.526
28)	2,4'-DDD	7.854	8.354	20329070	12147339	225.073	199.929
29)	2,4'-DDT	8.036	8.576	20500931	12286570	201.686	188.973

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212024.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 22:02
Operator : MJB
Sample : 0L21060-CALI
Misc : A20I179, 9-42 200 ppb
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:52:08 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:47:34 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

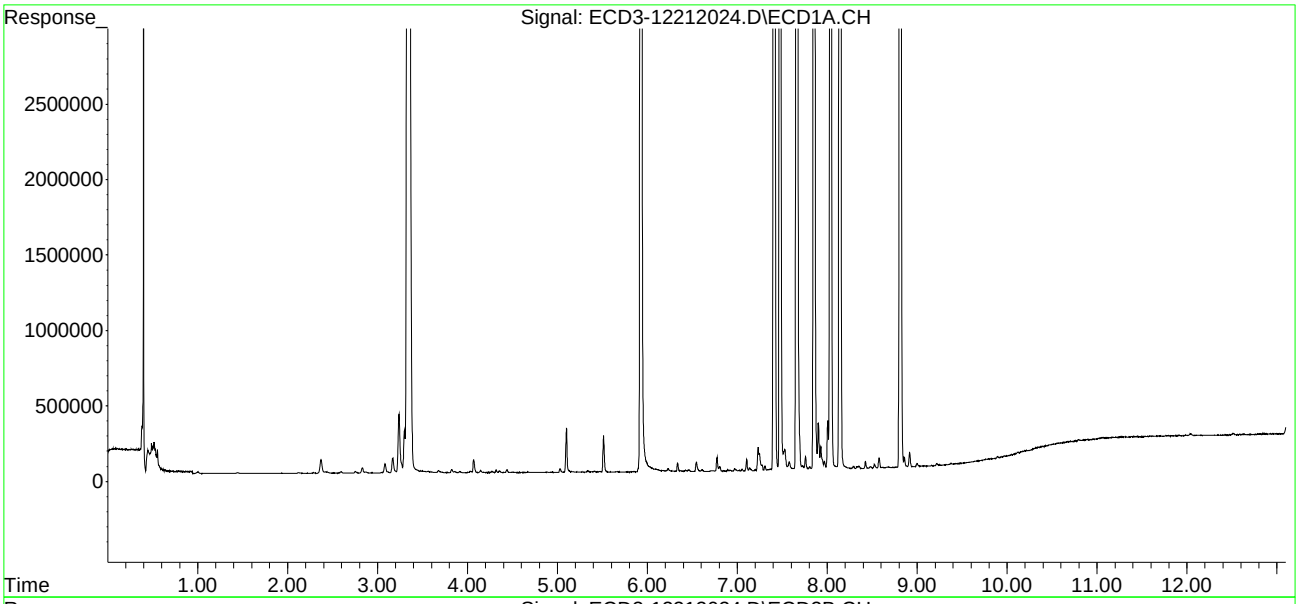
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	8.142	8.621	36263272	21220158	211.760	199.559
31)	Mirex	8.812	9.526	21361844	12343707	216.000	198.316
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

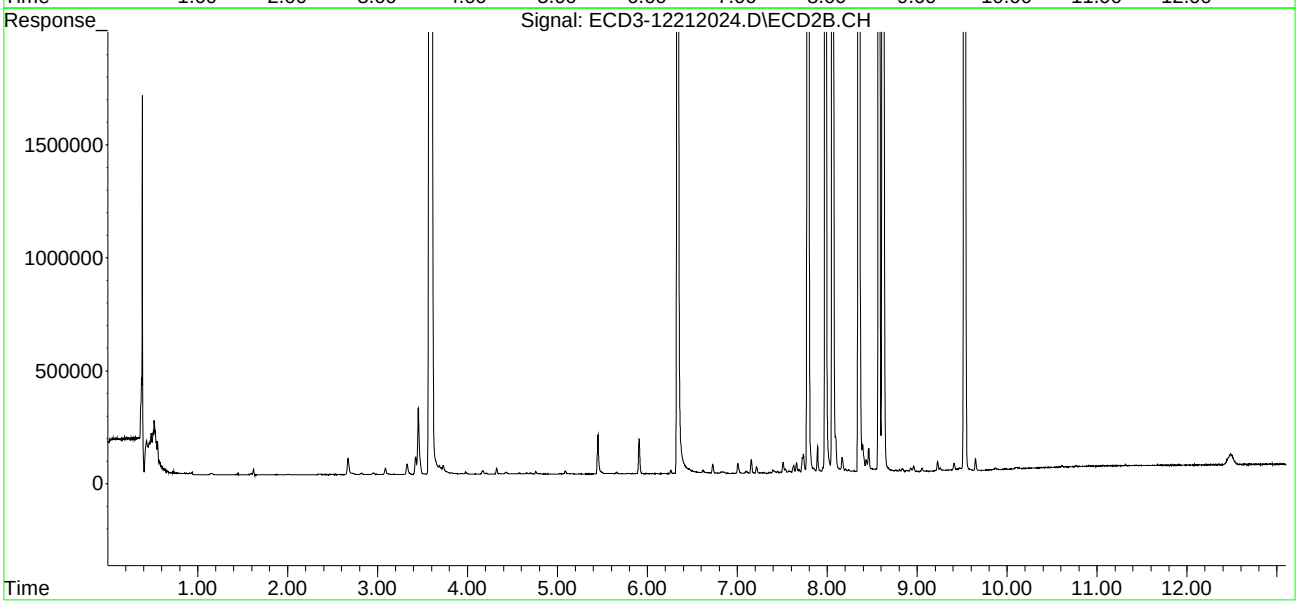
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212024.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 22:02
Operator : MJB
Sample : 0L21060-CALI
Misc : A20I179, 9-42 200 ppb
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:52:08 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:47:34 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212027.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 22:53
Operator : MJB
Sample : 0L21060-CALJ
Misc : A20L365, CHLOR 10 ppb
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 12/22/20

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:54:08 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:53:24 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212027.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 22:53
Operator : MJB
Sample : 0L21060-CALJ
Misc : A20L365, CHLOR 10 ppb
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:54:08 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:53:24 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

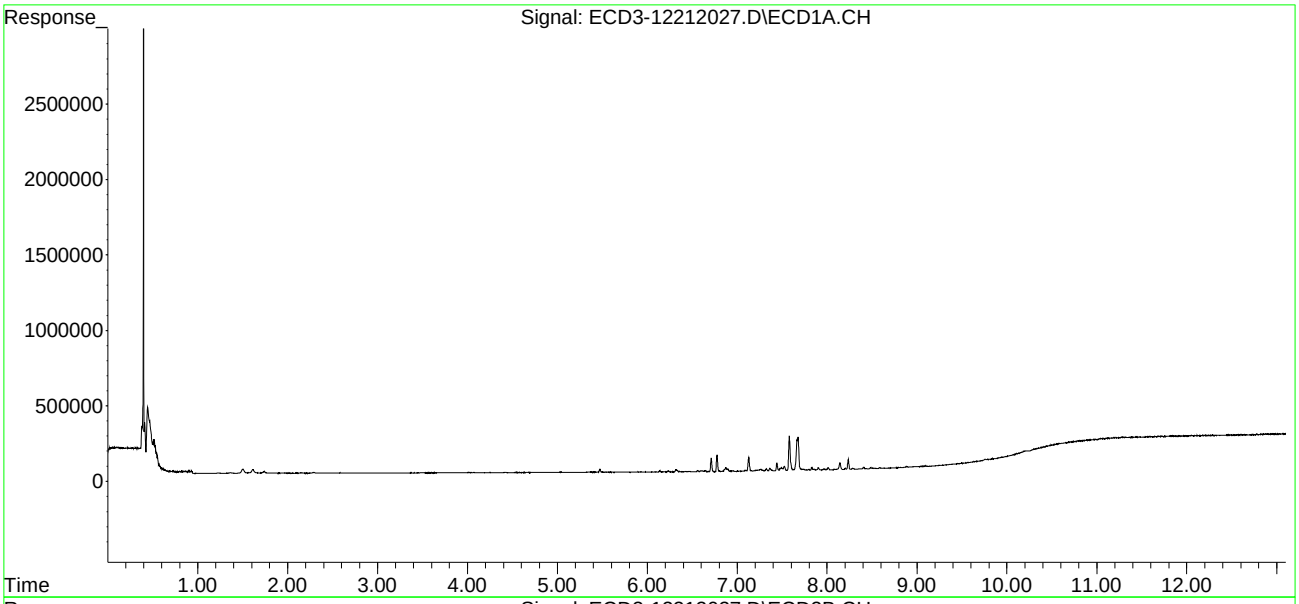
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	7.580	7.994	226428	150120	11.810	4.275 #
33)	Chlordane...	7.676	8.101	221559	133909	10.024	11.822
34)	Chlordane...	8.233	8.755	66217	40731	11.319	11.045
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

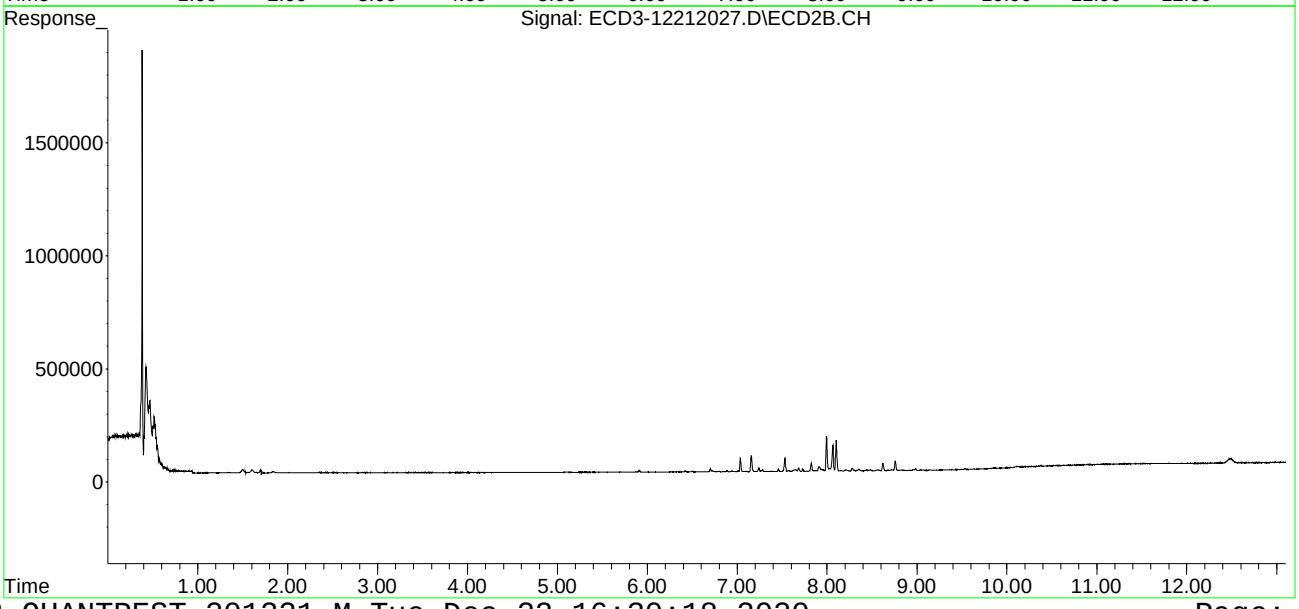
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212027.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 22:53
Operator : MJB
Sample : 0L21060-CALJ
Misc : A20L365, CHLOR 10 ppb
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:54:08 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:53:24 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212028.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 23:10
Operator : MJB
Sample : 0L21060-CALK MJB 12/22/20
Misc : A20L139, CHLOR 50 ppb
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:55:08 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:53:24 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212028.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 23:10
Operator : MJB
Sample : 0L21060-CALK
Misc : A20L139, CHLOR 50 ppb
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:55:08 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:53:24 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

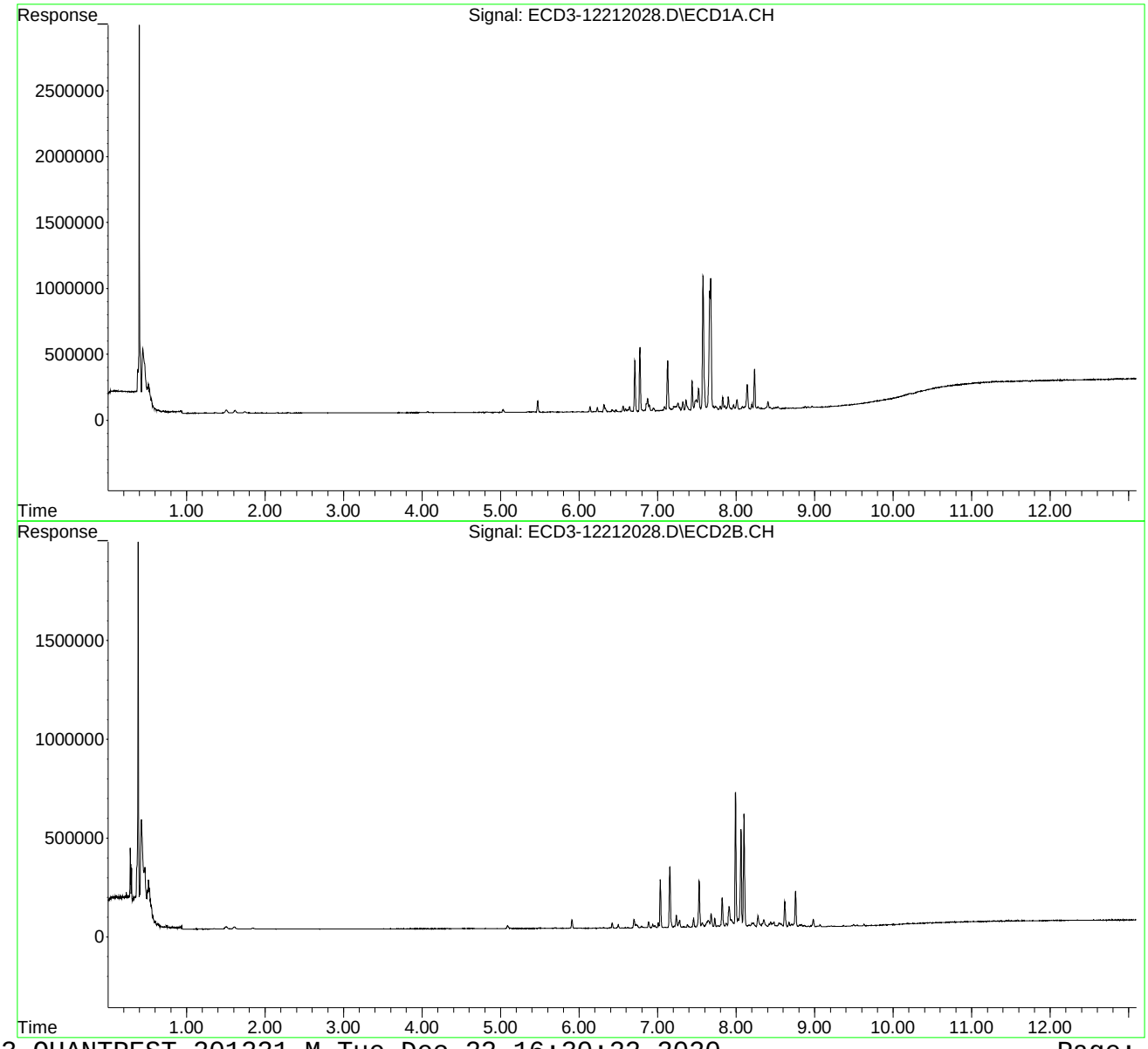
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	7.579	7.994	1020369	681639	53.220	46.058
33)	Chlordane...	7.676	8.101	997730	573304	45.139	50.611
34)	Chlordane...	8.233	8.755	305467	181167	52.216	49.125
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212028.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 23:10
Operator : MJB
Sample : 0L21060-CALK
Misc : A20L139, CHLOR 50 ppb
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:55:08 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:53:24 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212029.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 23:27
Operator : MJB
Sample : 0L21060-CALL MJB 12/22/20
Misc : A20L140, CHLOR 100 ppb
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:55:37 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:53:24 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212029.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 23:27
Operator : MJB
Sample : 0L21060-CALL
Misc : A20L140, CHLOR 100 ppb
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:55:37 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:53:24 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

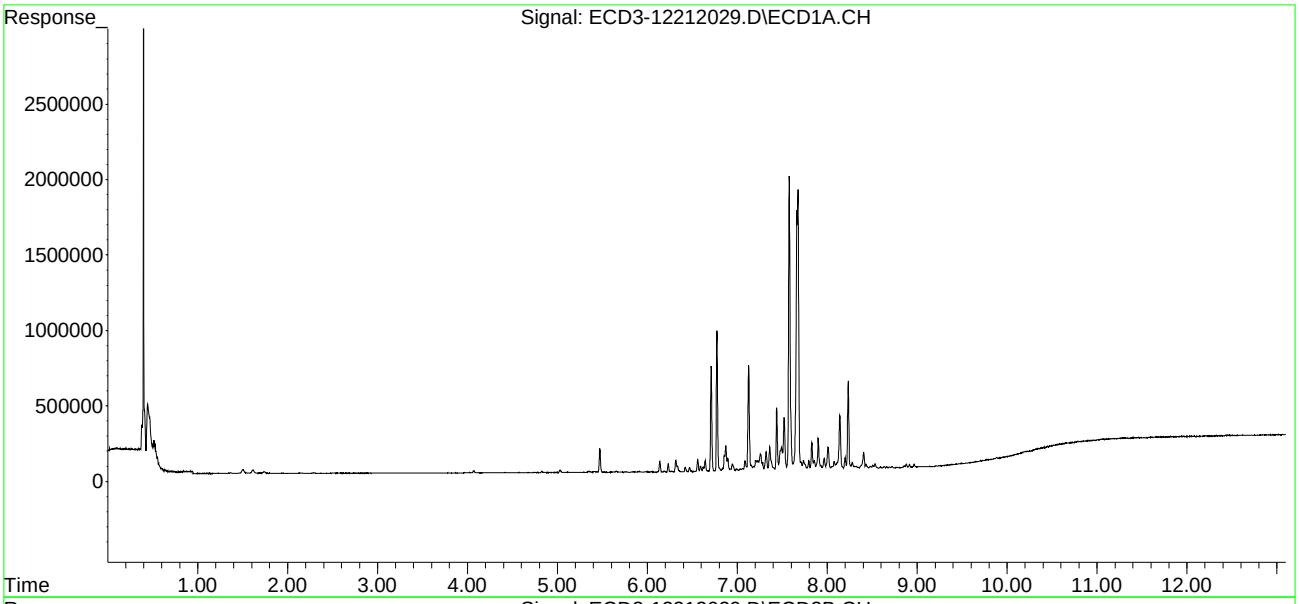
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	7.578	7.993	1948102	1319101	101.608	96.202
33)	Chlordane...	7.675	8.100	1860231	1091683	84.160	96.374
34)	Chlordane...	8.232	8.754	581747	348174	99.443	94.410
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

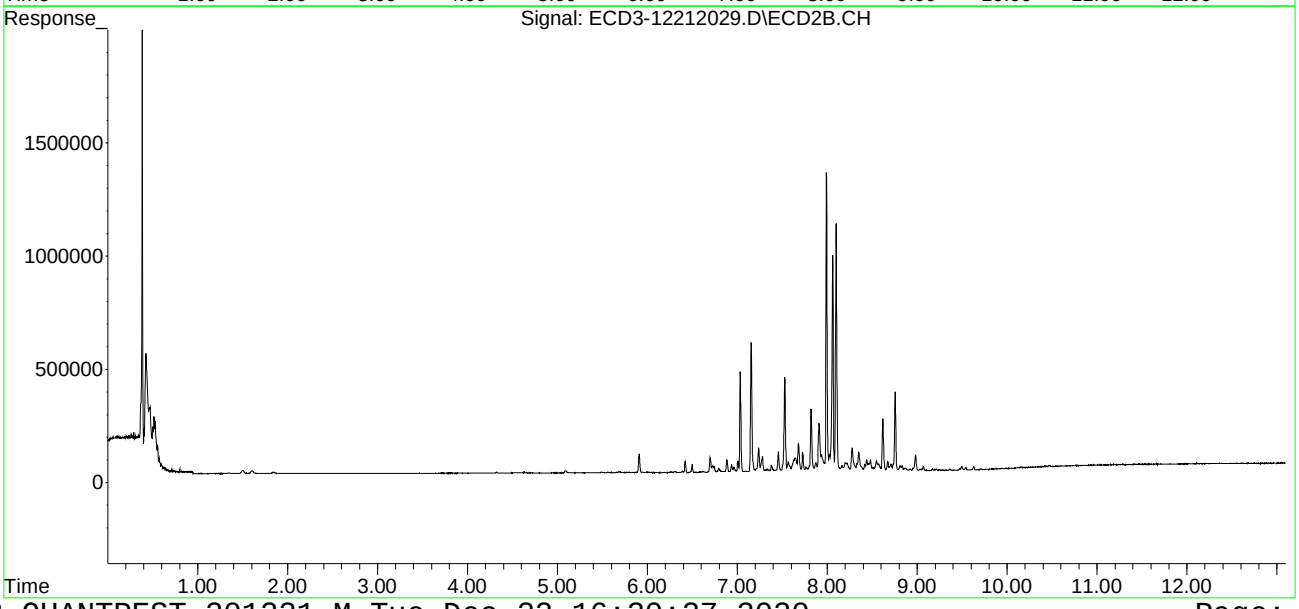
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212029.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 23:27
Operator : MJB
Sample : 0L21060-CALL
Misc : A20L140, CHLOR 100 ppb
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:55:37 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:53:24 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212030.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 23:44
Operator : MJB
Sample : 0L21060-CALM MJB 12/22/20
Misc : A20L141, CHLOR 200 ppb
ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:56:10 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:53:24 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212030.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 23:44
Operator : MJB
Sample : 0L21060-CALM
Misc : A20L141, CHLOR 200 ppb
ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:56:10 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:53:24 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

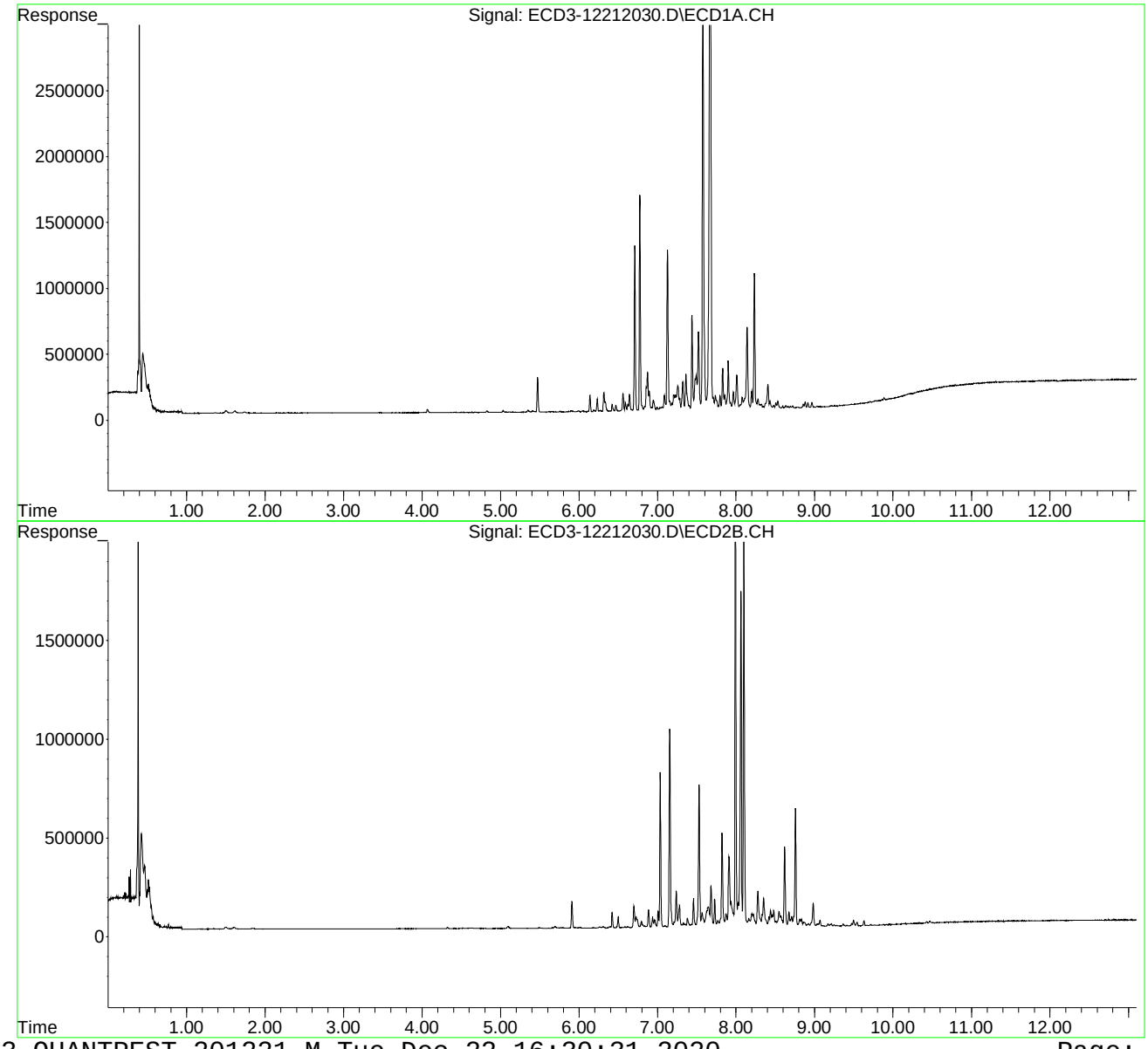
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	7.578	7.993	3672468	2371758	191.547	179.088
33)	Chlordane...	7.674	8.100	3368971	2006346	152.419	177.121
34)	Chlordane...	8.232	8.755	1028142	598465	175.750	162.279
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212030.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 21 Dec 2020 23:44
Operator : MJB
Sample : 0L21060-CALM
Misc : A20L141, CHLOR 200 ppb
ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:56:10 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:53:24 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212031.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Dec 2020 0:01
Operator : MJB
Sample : 0L21060-CALN MJB 12/22/20
Misc : A20L142, CHLOR 500 ppb
ALS Vial : 28 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:53:15 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:47:34 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212031.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Dec 2020 0:01
Operator : MJB
Sample : 0L21060-CALN
Misc : A20L142, CHLOR 500 ppb
ALS Vial : 28 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:53:15 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:47:34 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

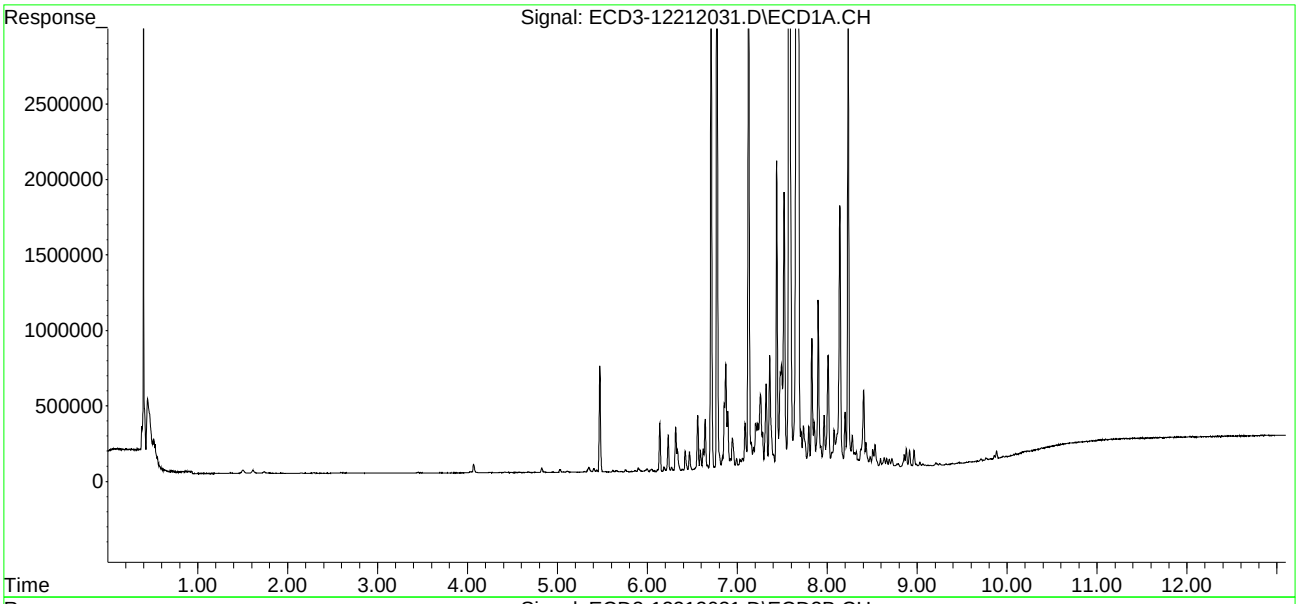
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	7.579	7.993	10194639	6750792	531.727	524.968
33)	Chlordane...	7.675	8.100	9343189	5611703	422.704	495.403
34)	Chlordane...	8.232	8.755	2989480	1765462	511.020	478.720
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

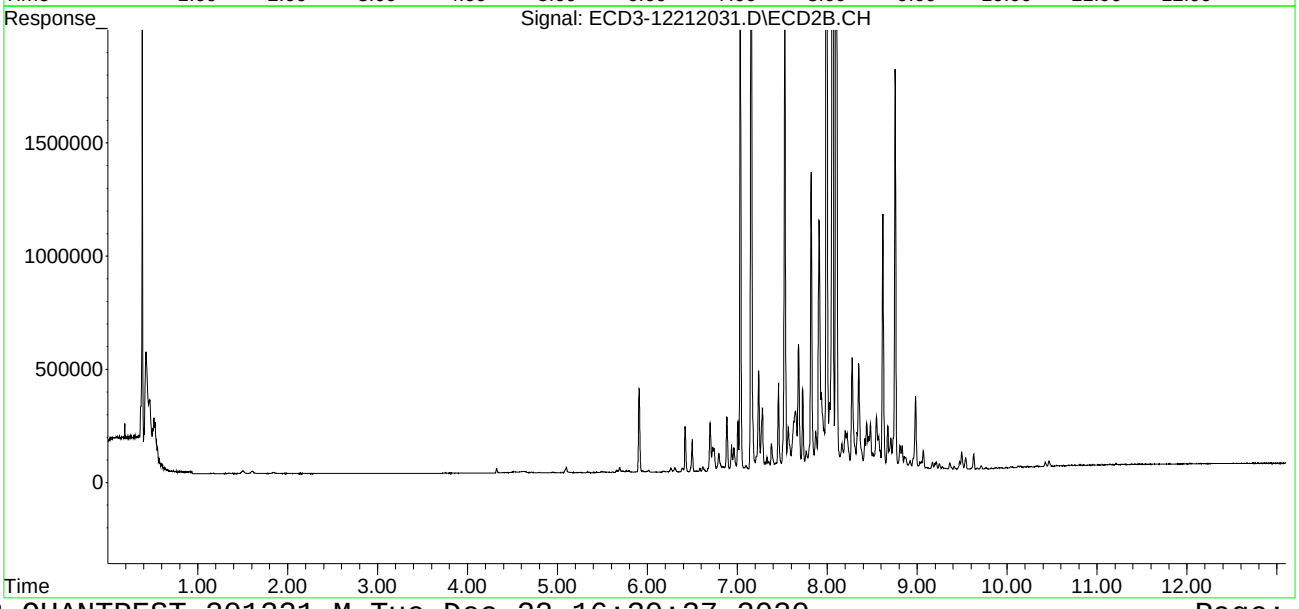
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212031.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Dec 2020 0:01
Operator : MJB
Sample : 0L21060-CALN
Misc : A20L142, CHLOR 500 ppb
ALS Vial : 28 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:53:15 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:47:34 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212032.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Dec 2020 0:18
Operator : MJB
Sample : 0L21060-CALO MJB 12/22/20
Misc : A20L143, CHLOR 1000 ppb
ALS Vial : 29 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:56:43 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:53:24 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212032.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Dec 2020 0:18
Operator : MJB
Sample : 0L21060-CALO
Misc : A20L143, CHLOR 1000 ppb
ALS Vial : 29 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:56:43 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:53:24 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

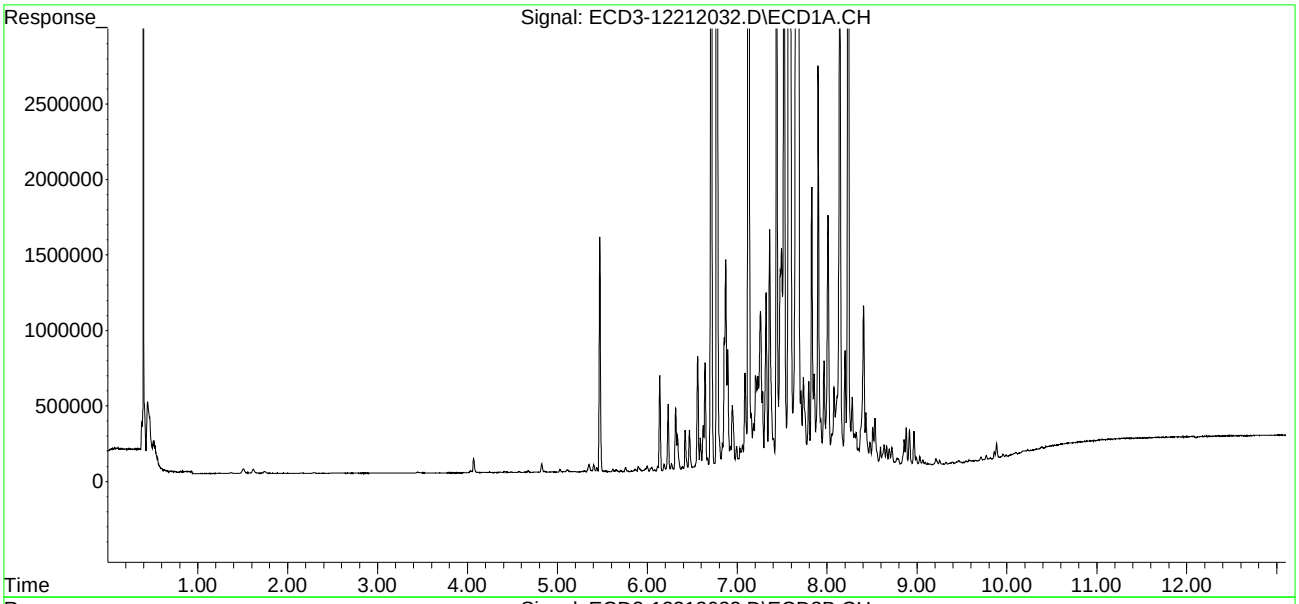
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	7.578	7.992	21287919	14043489	1110.324	1104.905
33)	Chlordane...	7.674	8.100	20525304	11546079	928.605	1019.291
34)	Chlordane...	8.232	8.754	6501835	3778798	1111.420	1024.653
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

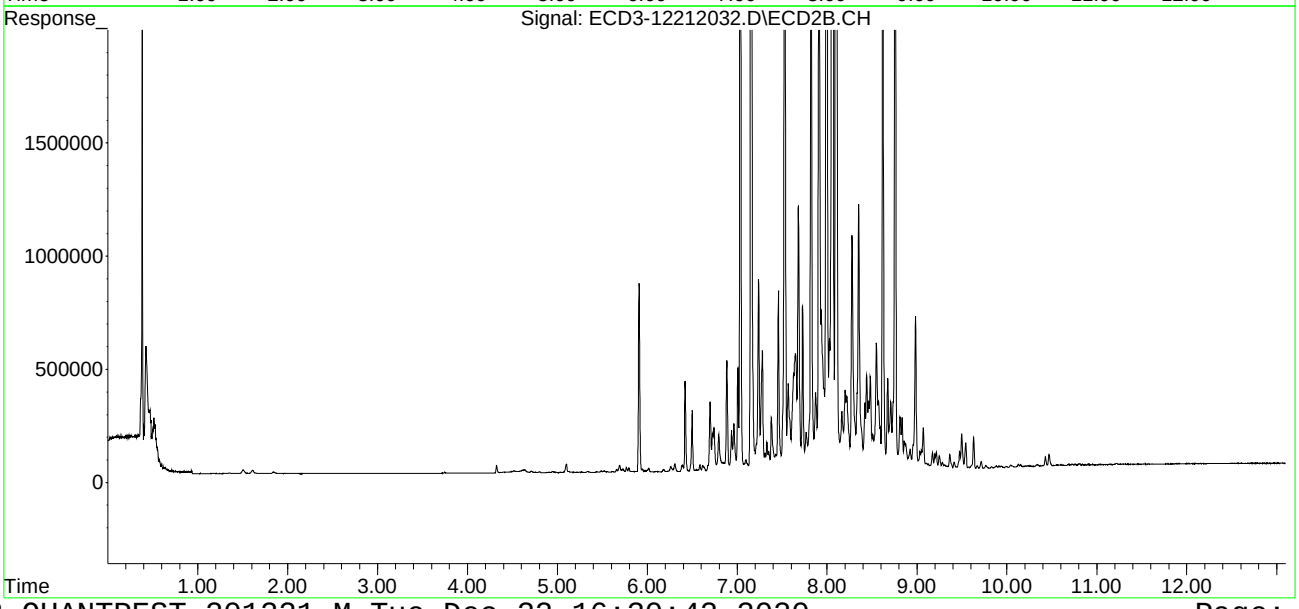
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212032.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Dec 2020 0:18
Operator : MJB
Sample : 0L21060-CALO
Misc : A20L143, CHLOR 1000 ppb
ALS Vial : 29 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:56:43 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:53:24 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212033.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Dec 2020 0:35
Operator : MJB
Sample : 0L21060-CALP MJB 12/22/20
Misc : A20L138, CHLOR 2000 ppb
ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:57:15 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:53:24 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212033.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Dec 2020 0:35
Operator : MJB
Sample : 0L21060-CALP
Misc : A20L138, CHLOR 2000 ppb
ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:57:15 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:53:24 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

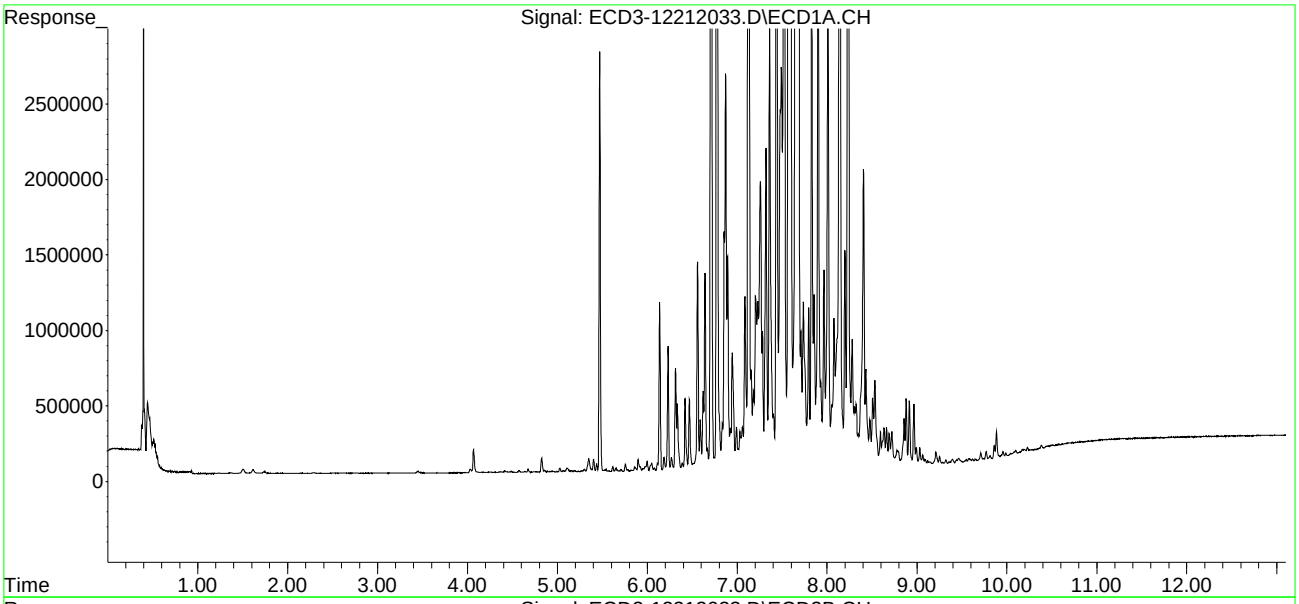
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	7.578	7.992	39943825	24744140	2083.369	1964.956
33)	Chlordane...	7.674	8.099	38042014	20771475	1721.095	1833.712
34)	Chlordane...	8.231	8.754	11920862	6994562	2037.744	1896.634
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
37)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
38)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
39)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
40)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
41)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

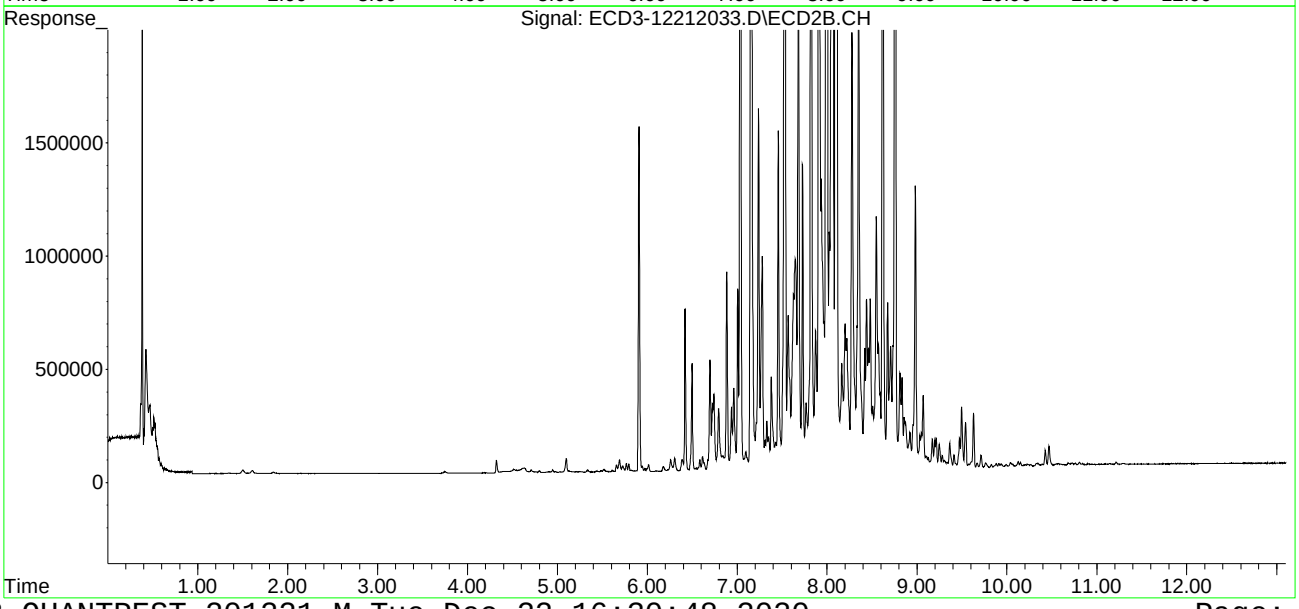
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212033.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Dec 2020 0:35
Operator : MJB
Sample : 0L21060-CALP
Misc : A20L138, CHLOR 2000 ppb
ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:57:15 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:53:24 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212036.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Dec 2020 1:27
Operator : MJB
Sample : 0L21060-CALQ MJB 12/22/20
Misc : A20L366, TOX 10 ppb
ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:59:46 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:59:04 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212036.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Dec 2020 1:27
Operator : MJB
Sample : 0L21060-CALQ
Misc : A20L366, TOX 10 ppb
ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:59:46 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:59:04 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

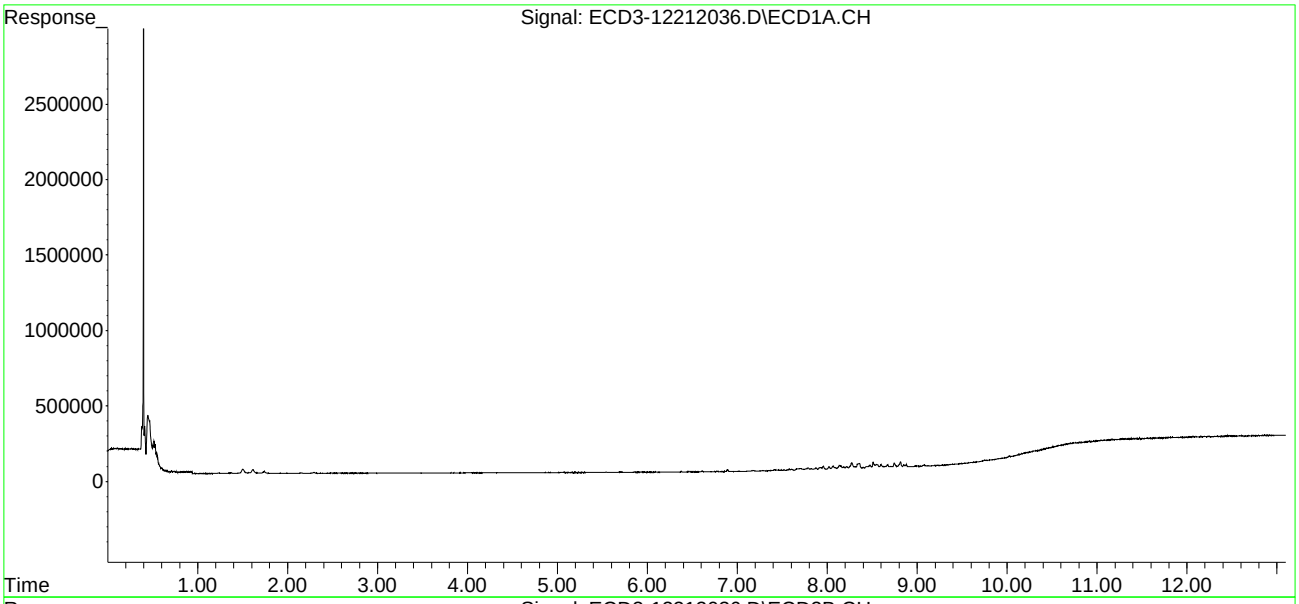
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	7.659	8.327	7894	13303	10.332	10.926
37)	Toxaphene...	7.956	8.674	21187	14637	13.007	10.574
38)	Toxaphene...	8.274	8.709	38432	23010	12.064	11.440
39)	Toxaphene...	8.511	8.775	38941	39642	9.144	8.113
40)	Toxaphene...	8.745	8.954	27799	24628	11.478	12.214
41)	Toxaphene...	8.814	9.325	35391	23921	12.068	11.725
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

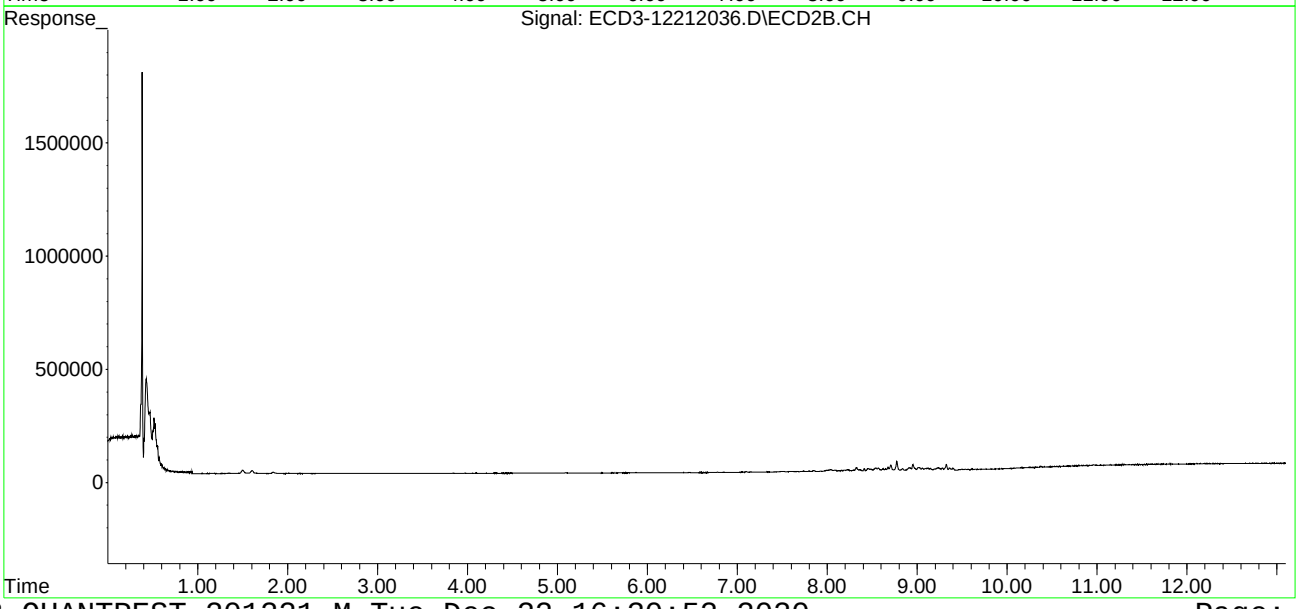
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212036.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Dec 2020 1:27
Operator : MJB
Sample : 0L21060-CALQ
Misc : A20L366, TOX 10 ppb
ALS Vial : 32 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:59:46 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:59:04 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212037.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Dec 2020 1:44
Operator : MJB
Sample : 0L21060-CALR MJB 12/22/20
Misc : A20K260, TOX 50 ppb
ALS Vial : 33 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:00:19 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:59:04 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212037.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Dec 2020 1:44
Operator : MJB
Sample : 0L21060-CALR
Misc : A20K260, TOX 50 ppb
ALS Vial : 33 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:00:19 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:59:04 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

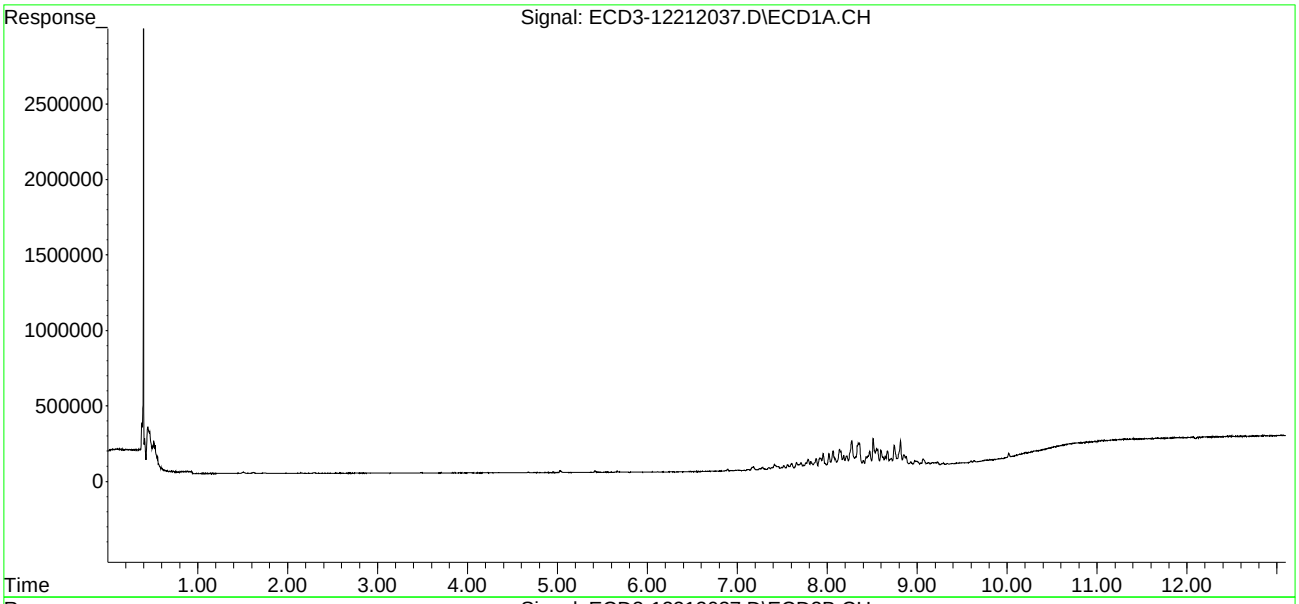
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	7.659	8.326	40420	69277	52.902	56.899
37)	Toxaphene...	7.955	8.675	95568	77592	58.668	56.055
38)	Toxaphene...	8.274	8.708	176411	109266	55.375	54.323
39)	Toxaphene...	8.512	8.775	185856	174819	57.627	51.585
40)	Toxaphene...	8.744	8.954	136928	108984	56.537	54.048
41)	Toxaphene...	8.815	9.326	165782	105670	56.531	51.795
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

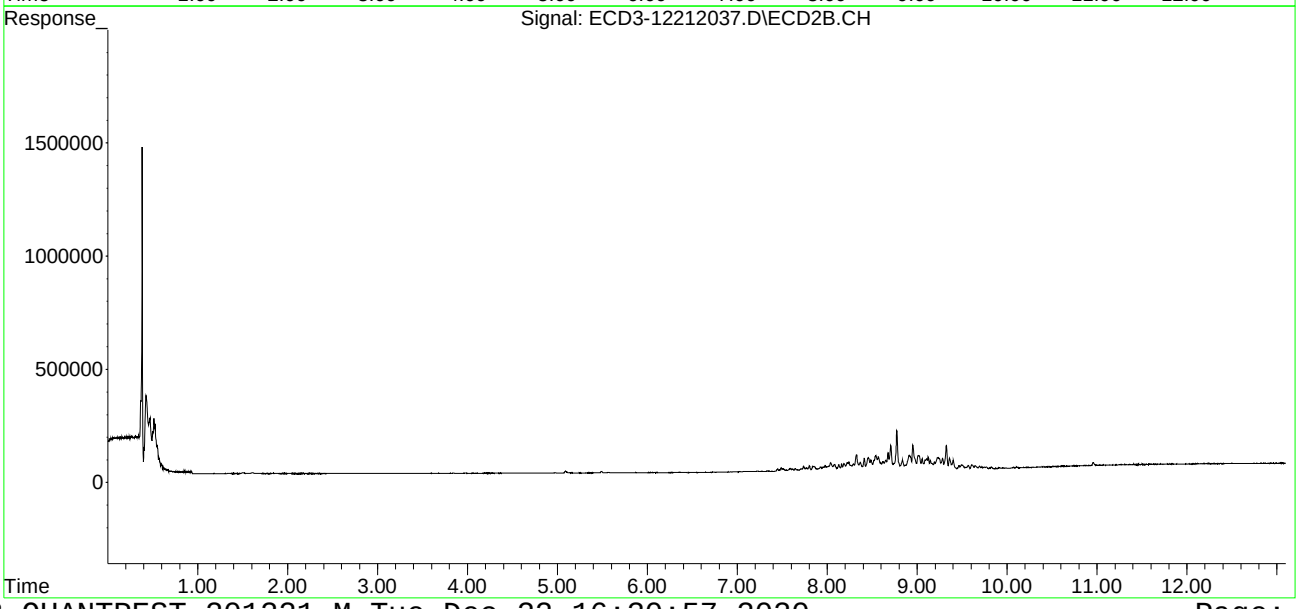
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212037.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Dec 2020 1:44
Operator : MJB
Sample : 0L21060-CALR
Misc : A20K260, TOX 50 ppb
ALS Vial : 33 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:00:19 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:59:04 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212038.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Dec 2020 2:01
Operator : MJB
Sample : 0L21060-CALS
Misc : A20K261, TOX 100 ppb
ALS Vial : 34 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 12/22/20

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:00:48 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:59:04 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212038.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Dec 2020 2:01
Operator : MJB
Sample : 0L21060-CALS
Misc : A20K261, TOX 100 ppb
ALS Vial : 34 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:00:48 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:59:04 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

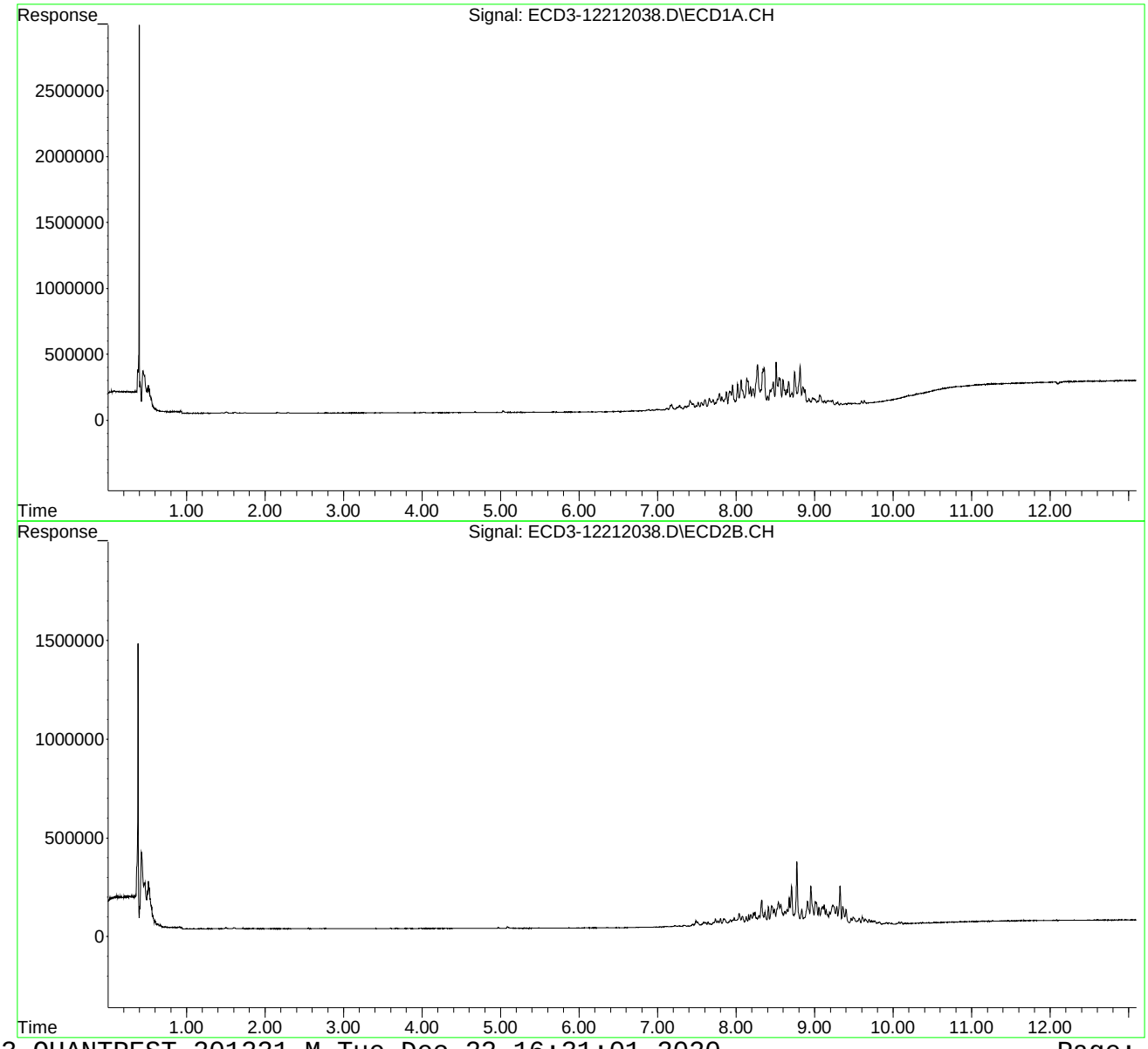
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	7.659	8.324	80720	127401	105.647	104.638
37)	Toxaphene...	7.954	8.675	174395	139609	107.059	100.858
38)	Toxaphene...	8.273	8.707	324151	196591	101.750	97.738
39)	Toxaphene...	8.511	8.775	339137	320309	107.796	98.186
40)	Toxaphene...	8.744	8.954	261912	196043	108.143	97.223
41)	Toxaphene...	8.814	9.324	301485	194278	102.806	95.227
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212038.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Dec 2020 2:01
Operator : MJB
Sample : 0L21060-CALS
Misc : A20K261, TOX 100 ppb
ALS Vial : 34 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:00:48 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:59:04 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212039.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Dec 2020 2:18
Operator : MJB
Sample : 0L21060-CALT MJB 12/22/20
Misc : A20K262, TOX 200 ppb
ALS Vial : 35 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:01:21 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:59:04 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212039.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Dec 2020 2:18
Operator : MJB
Sample : 0L21060-CALT
Misc : A20K262, TOX 200 ppb
ALS Vial : 35 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:01:21 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:59:04 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

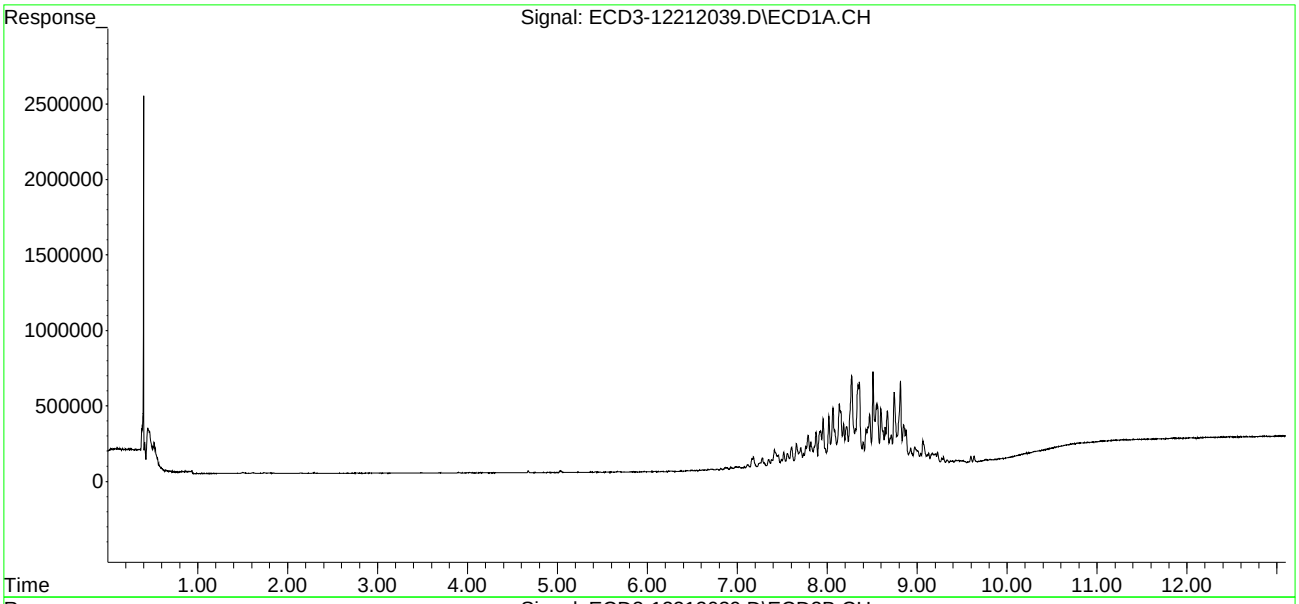
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	7.658	8.326	158319	227615	207.209	186.947
37)	Toxaphene...	7.954	8.675	320550	250944	196.783	181.290
38)	Toxaphene...	8.273	8.707	596479	347952	187.232	172.989
39)	Toxaphene...	8.510	8.775	621267	578638	199.059	180.454
40)	Toxaphene...	8.744	8.953	480046	360666	198.210	178.864
41)	Toxaphene...	8.814	9.324	554061	351222	188.934	172.155
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

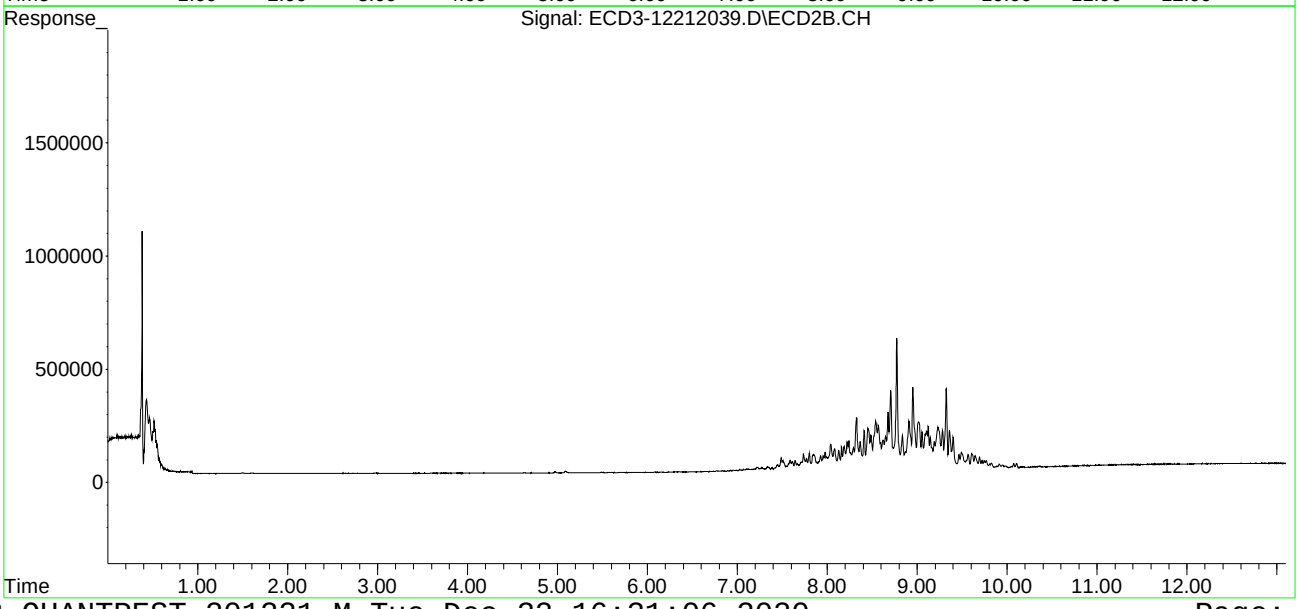
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212039.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Dec 2020 2:18
Operator : MJB
Sample : 0L21060-CALT
Misc : A20K262, TOX 200 ppb
ALS Vial : 35 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:01:21 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:59:04 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped





Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212040.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Dec 2020 2:35
Operator : MJB
Sample : 0L21060-CALU MJB 12/22/20
Misc : A20K263, TOX 500 ppb
ALS Vial : 36 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:58:53 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:53:24 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212040.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Dec 2020 2:35
Operator : MJB
Sample : 0L21060-CALU
Misc : A20K263, TOX 500 ppb
ALS Vial : 36 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:58:53 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:53:24 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

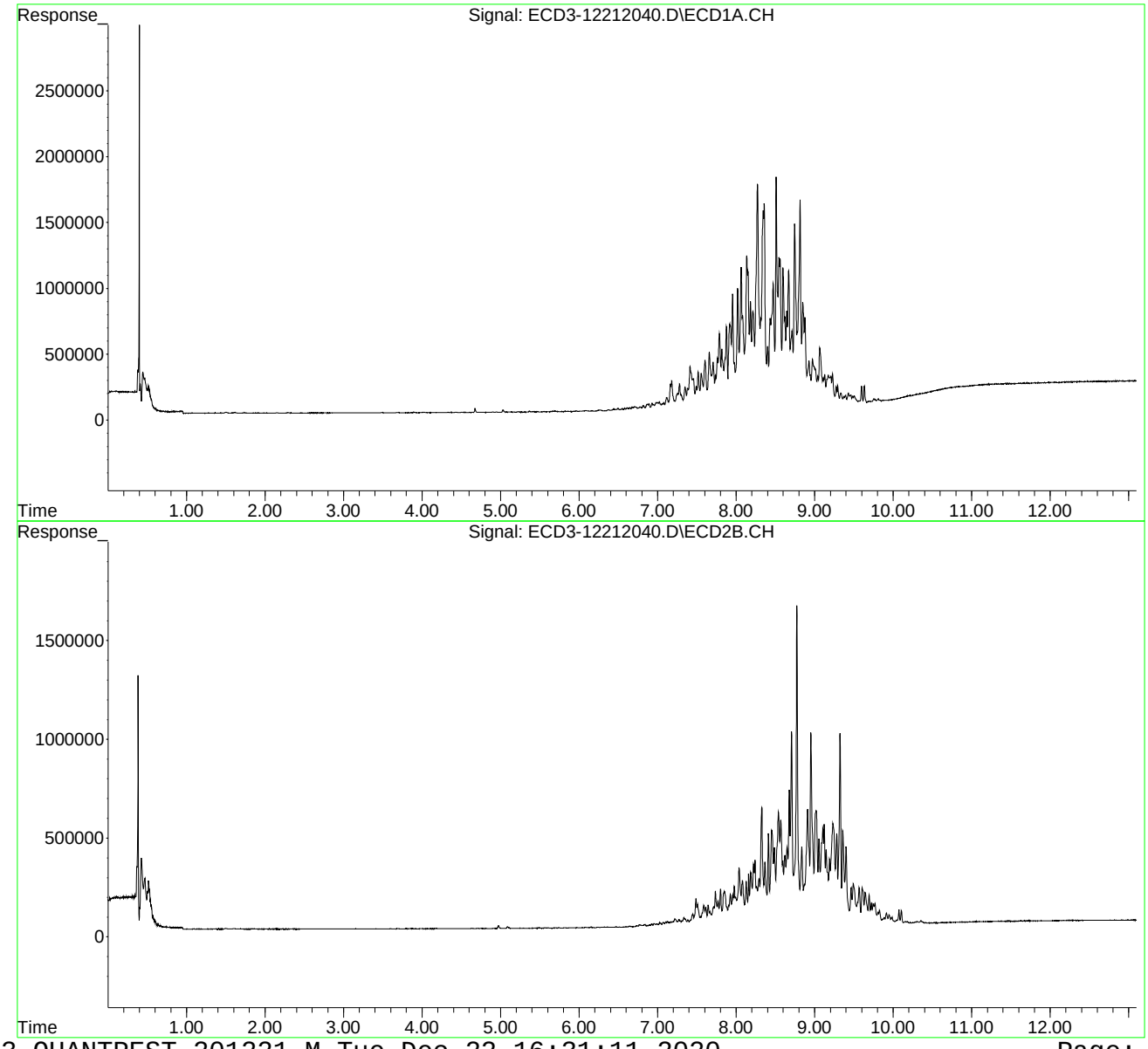
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	7.658	8.326	422733	593143	553.277	487.166
37)	Toxaphene...	7.954	8.675	856217	680900	525.625	491.903
38)	Toxaphene...	8.273	8.707	1681427	976400	527.793	485.429
39)	Toxaphene...	8.511	8.774	1733969	1614501	546.436	504.479
40)	Toxaphene...	8.744	8.953	1372525	969221	566.713	480.664
41)	Toxaphene...	8.814	9.324	1554289	965966	530.010	473.478
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212040.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Dec 2020 2:35
Operator : MJB
Sample : 0L21060-CALU
Misc : A20K263, TOX 500 ppb
ALS Vial : 36 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 15:58:53 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:53:24 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212041.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Dec 2020 2:52
Operator : MJB
Sample : 0L21060-CALV
Misc : A20K264, TOX 1000 ppb
ALS Vial : 37 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

MJB 12/22/20

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:02:01 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:59:04 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212041.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Dec 2020 2:52
Operator : MJB
Sample : 0L21060-CALV
Misc : A20K264, TOX 1000 ppb
ALS Vial : 37 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:02:01 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:59:04 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

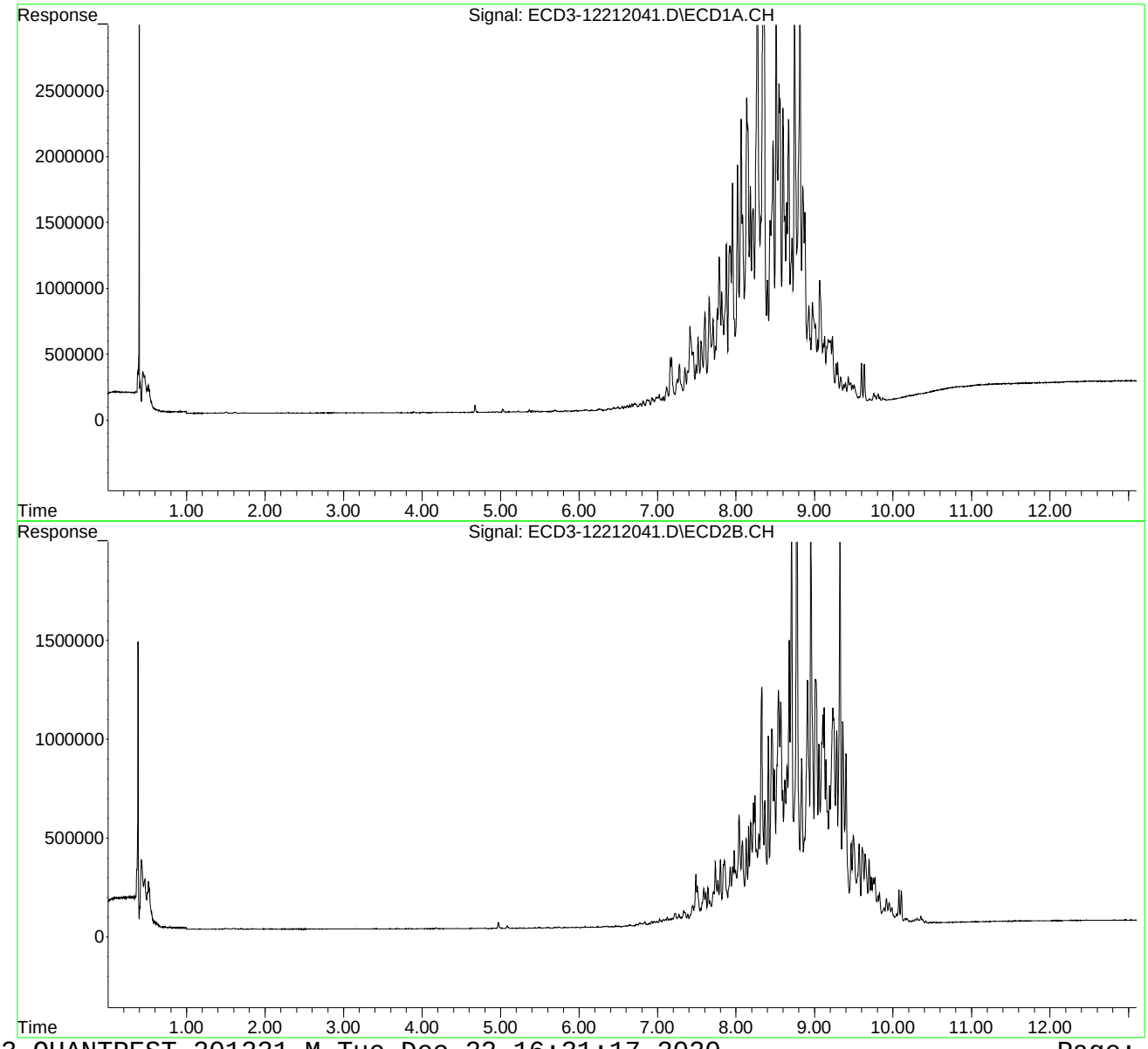
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	7.658	8.326	829203	1193747	1085.270	980.460
37)	Toxaphene...	7.954	8.675	1690461	1433723	1037.760	1035.766
38)	Toxaphene...	8.273	8.707	3465501	2000028	1087.807	994.338
39)	Toxaphene...	8.510	8.775	3610041	3348014	1093.238	1027.375
40)	Toxaphene...	8.744	8.954	2923899	2060646	1207.272	1021.931
41)	Toxaphene...	8.814	9.324	3228284	2066233	1100.841	1012.784
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212041.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Dec 2020 2:52
Operator : MJB
Sample : 0L21060-CALV
Misc : A20K264, TOX 1000 ppb
ALS Vial : 37 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:02:01 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:59:04 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212042.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Dec 2020 3:09
Operator : MJB
Sample : 0L21060-CALW MJB 12/22/20
Misc : A20K259, TOX 2000 ppb
ALS Vial : 38 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:02:39 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:59:04 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
	System Monitoring Compounds						
1) S	TCMX (S)	0.000	0.000	0	0	N.D. d	N.D. d
22) S	DCBP (S)	0.000	0.000	0	0	N.D. d	N.D. d
	Target Compounds						
2)	a-BHC	0.000	0.000	0	0	N.D. d	N.D. d
3)	g-BHC	0.000	0.000	0	0	N.D. d	N.D. d
4)	b-BHC	0.000	0.000	0	0	N.D. d	N.D. d
5)	Heptachlor	0.000	0.000	0	0	N.D. d	N.D. d
6)	d-BHC	0.000	0.000	0	0	N.D. d	N.D. d
7)	Aldrin	0.000	0.000	0	0	N.D. d	N.D. d
8)	Heptachlo...	0.000	0.000	0	0	N.D. d	N.D. d
9)	trans-Chl...	0.000	0.000	0	0	N.D. d	N.D. d
10)	cis-Chlor...	0.000	0.000	0	0	N.D. d	N.D. d
11)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
12)	4,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
13)	Dieldrin	0.000	0.000	0	0	N.D. d	N.D. d
14)	Endrin	0.000	0.000	0	0	N.D. d	N.D. d
15)	4,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
16)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
17)	4,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d
18)	Endrin Al...	0.000	0.000	0	0	N.D. d	N.D. d
19)	Endosulfa...	0.000	0.000	0	0	N.D. d	N.D. d
20)	Methoxychlor	0.000	0.000	0	0	N.D. d	N.D. d
21)	Endrin Ke...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
24)	Hexachlor...	0.000	0.000	0	0	N.D. d	N.D. d
25)	Oxychlordane	0.000	0.000	0	0	N.D. d	N.D. d
26)	2,4'-DDE	0.000	0.000	0	0	N.D. d	N.D. d
27)	trans-Non...	0.000	0.000	0	0	N.D. d	N.D. d
28)	2,4'-DDD	0.000	0.000	0	0	N.D. d	N.D. d
29)	2,4'-DDT	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212042.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Dec 2020 3:09
Operator : MJB
Sample : 0L21060-CALW
Misc : A20K259, TOX 2000 ppb
ALS Vial : 38 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:02:39 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:59:04 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

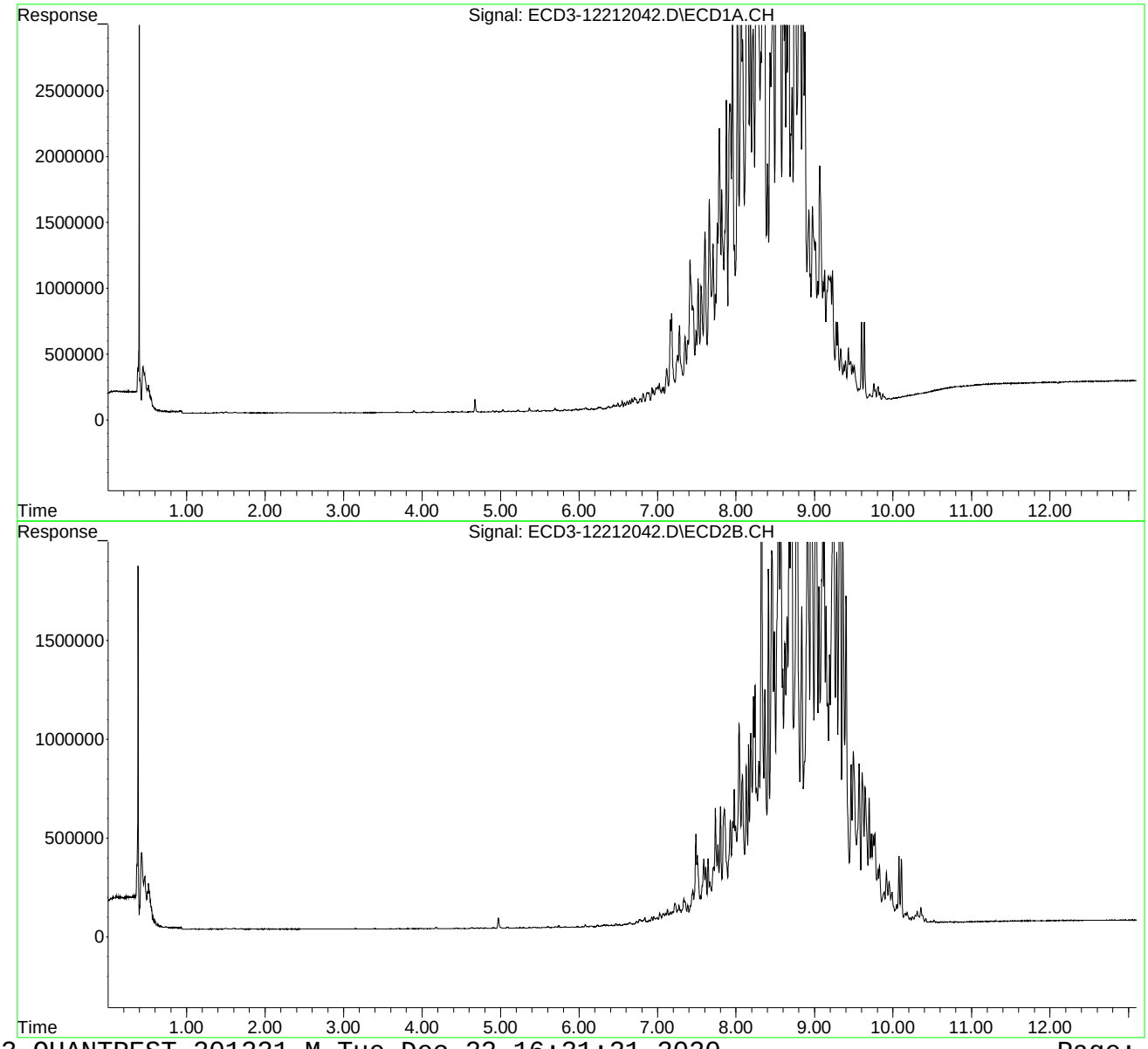
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/mL	ng/mL
30)	cis-Nonac...	0.000	0.000	0	0	N.D. d	N.D. d
31)	Mirex	0.000	0.000	0	0	N.D. d	N.D. d
32)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
33)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
34)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
35)	Chlordane...	0.000	0.000	0	0	N.D. d	N.D. d
36)	Toxaphene...	7.658	8.327	1564558	2296036	2047.710	1885.802
37)	Toxaphene...	7.954	8.676	3151775	2734770	1934.850	1975.684
38)	Toxaphene...	8.273	8.707	6637949	3801748	2083.627	1890.084
39)	Toxaphene...	8.511	8.775	6908567	6332861	1963.112	1878.428
40)	Toxaphene...	8.744	8.954	5548170	3883037	2290.829	1925.706
41)	Toxaphene...	8.814	9.324	6194484	4024928	2112.311	1972.857
42)	Toxaphene...	0.000	0.000	0	0	N.D. d	N.D. d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\3\data\2020-12\0L21060\
Data File : ECD3-12212042.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Dec 2020 3:09
Operator : MJB
Sample : 0L21060-CALW
Misc : A20K259, TOX 2000 ppb
ALS Vial : 38 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: PEST1.e
Integration File signal 2: PEST2.e
Quant Time: Dec 22 16:02:39 2020
Quant Method : C:\msdchem\3\METHODS\ECD3_QUANTPEST_201221.M
Quant Title : Instrument: DualECD3
QLast Update : Tue Dec 22 15:59:04 2020
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped



Semivolatile Organic Compounds by EPA 8270E
Benchsheet & Analysis Sequence Data

Batch 1012490
Batch 1012493
Sequence 1A05060 (A0K0482-01,03,07,08,09,10,20,21,22)

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 1012490 (Sediment)

Prep Method: EPA 3546

#	Lab Number		Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH <2	pH Other	pH >11
	1012490-BLK1		QC	01/05/21 07:42	11	5				100					
	1012490-BS1		QC	01/05/21 07:42	10	5	A20L278		100	100					
	A0K0482-01	A	8270E LL PAH/PCP Only (Scan)	01/05/21 07:42	10.61	5				100	USMPDI-003SC-A-01-02-201110	PAH only			
	1012490-DUP1		QC	01/05/21 07:42	10.5	5		A0K0482-01		100					
	A0K0482-02	A	8270E LL PAH/PCP Only (Scan)	01/05/21 07:42	10.11	5				100	USMPDI-003SC-A-02-03-201110	PAH only			
	A0K0482-03	A	8270E LL PAH/PCP Only (Scan)	01/05/21 07:42	10.28	5				100	USMPDI-003SC-A-03-04-201110	MS/MSD. PAH only			
	1012490-MS1		QC	01/05/21 07:42	10.33	5	A20L278	A0K0482-03	100	100					
	1012490-MSD1		QC	01/05/21 07:43	10.27	5	A20L278	A0K0482-03	100	100					
	A0K0482-04	A	8270E LL PAH/PCP Only (Scan)	01/05/21 07:42	10.43	5				100	USMPDI-003SC-A-04-05-201110	PAH only			
	A0K0482-05	A	8270E LL PAH/PCP Only (Scan)	01/05/21 07:42	10.08	5				100	USMPDI-1003SC-A-01-02-201110	PAH only			
	A0K0482-07	A	8270E LL PAH/PCP Only (Scan)	01/05/21 07:42	10.45	5				100	USMPDI-003SC-B-00-02-201110	PCP only			
	A0K0482-08	A	8270E LL PAH/PCP Only (Scan)	01/05/21 07:42	10.35	5				100	USMPDI-003SC-B-02-04-201110	PCP only			
	A0K0482-09	A	8270E LL PAH/PCP Only (Scan)	01/05/21 07:42	10.47	5				100	USMPDI-003SC-B-04-06-201110	PCP only			
	A0K0482-10	A	8270E LL PAH/PCP Only (Scan)	01/05/21 07:42	10.06	5				100	USMPDI-003SC-B-06-08-201110				
	A0K0482-11	A	8270E LL PAH/PCP Only (Scan)	01/05/21 07:42	10.49	5				100	USMPDI-006SC-A-01-02-201110	PAH only			
	A0K0482-12	A	8270E LL PAH/PCP Only (Scan)	01/05/21 07:42	10.16	5				100	USMPDI-006SC-A-02-03-201110	PAH only			
	A0K0482-13	A	8270E LL PAH/PCP Only (Scan)	01/05/21 07:42	10.51	5				100	USMPDI-006SC-A-03-04-201110	PAH only			
	A0K0482-14	A	8270E LL PAH/PCP Only (Scan)	01/05/21 07:42	10.5	5				100	USMPDI-006SC-A-04-05-201110	PAH only			
	A0K0482-14RE1	A	8270E LL PAH/PCP Only (Scan)	01/05/21 07:42	10.5	5				100	USMPDI-006SC-A-04-05-201110	Added 1/7/2021 by ams			
	A0K0482-15	A	8270E LL PAH/PCP Only (Scan)	01/05/21 07:42	10.63	5				100	USMPDI-006SC-D-00-02-201110	PCP only			

Prepared By: Date

AMS 1/7/21 Reviewed By: Date 1/7/21 AMS 1/7/21

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 1012490 (Sediment)

Prep Method: EPA 3546

#	Lab Number		Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH <2	pH other	pH >11
	A0K0482-16	A	8270E LL PAH/PCP Only (Scan)	01/05/21 07:42	10.52	5				100	USMPDI-006SC-D-02-04-201110	PCP only			
	A0K0482-17	A	8270E LL PAH/PCP Only (Scan)	01/05/21 07:42	10.24	5				100	USMPDI-006SC-D-04-06-201110	PCP only			
	A0K0482-18	A	8270E LL PAH/PCP Only (Scan)	01/05/21 07:42	10.43	5				100	USMPDI-006SC-D-06-08-201110				
	A0K0482-19	A	8270E LL PAH/PCP Only (Scan)	01/05/21 07:42	10.25	5				100	USMPDI-006SC-D-08-10-201110				
	A0K0482-20	A	8270E LL PAH/PCP Only (Scan)	01/05/21 07:42	10.26	5				100	USMPDI-006SC-D-10-12-201110				
	A0K0482-21	A	8270E LL PAH/PCP Only (Scan)	01/05/21 07:42	10.01	5				100	USMPDI-006SC-D-12-14-201110	MS/MSD			
	1012490-MS2		QC	01/05/21 07:43	10.07	5	A20L278	A0K0482-21	100	100					
	1012490-MSD2		QC	01/05/21 07:43	10.02	5	A20L278	A0K0482-21	100	100					

Standards/Reagents

Reagent(s)

Std ID	Exp. Date	Description
A13L219	11/30/23	Extractions Balance
A20F023	11/29/22	Sodium Sulfate Lot # 196476
A20I319	03/21/21	DCM lot # 201490
A20J185	04/10/26	Glass Wool

Analyte Spike(s)

Std ID	Exp. Date	Description
A20L278	05/02/21	LVI PAH/PCP Spike @2000/5000ng/ml

Surrogate(s)

Std ID	Exp. Date	Description
A20L268	05/30/21	8270E LL PAH/PCP Only Surr. (5ppm)

Method 3546 digestion time and temperture achieved.
Initial:

Witness:_____

Prepared By: Date

Reviewed By: Date

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 1012490 (Sediment)

Prep Method: EPA 3546

#	Lab Number		Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH <2	pH Other	pH >11
1	1012490-BLK1		QC	01/05/21 07:42	~~10~~ 11	5 ✓				100					
2	1012490-BS1		QC	01/05/21 07:42	10	5 ✓	A20L278		100	100					
3	A0K0482-01	A	8270E LL PAH/PCP Only (Scan)	01/05/21 07:42	~~10~~ 10.61	5 ✓				100	USMPDI-003SC-A-01-02-201110	PAH only Sed.			
4	1012490-DUP1		QC	01/05/21 07:42	~~10~~ 10.50	5 ✓		A0K0482-01		100		Sed.			
5	A0K0482-02	A	8270E LL PAH/PCP Only (Scan)	01/05/21 07:42	~~10~~ 10.11	5 ✓				100	USMPDI-003SC-A-02-03-201110	PAH only Sed.			
6	A0K0482-03	A	8270E LL PAH/PCP Only (Scan)	01/05/21 07:42	~~10~~ 10.28	5 ✓				100	USMPDI-003SC-A-03-04-201110	MS/MSD. PAH only Sed.			
7	1012490-MS1		QC	01/05/21 07:42	~~10~~ 10.33	5 ✓	A20L278	A0K0482-03	100	100		Sed.			
8	1012490-MSD1		QC	01/05/21 07:43	~~10~~ 10.27	5 ✓	A20L278	A0K0482-03	100	100		Sed.			
9	A0K0482-04	A	8270E LL PAH/PCP Only (Scan)	01/05/21 07:42	~~10~~ 10.43	5 ✓				100	USMPDI-003SC-A-04-05-201110	PAH only Sed.			
10	A0K0482-05	A	8270E LL PAH/PCP Only (Scan)	01/05/21 07:42	~~10~~ 10.08	5 ✓				100	USMPDI-1003SC-A-01-02-201110	PAH only Sed			
11	A0K0482-07	A	8270E LL PAH/PCP Only (Scan)	01/05/21 07:42	~~10~~ 10.45	5 ✓				100	USMPDI-003SC-B-00-02-201110	PCP only Sed.(mud), (5)			
12	A0K0482-08	A	8270E LL PAH/PCP Only (Scan)	01/05/21 07:42	~~10~~ 10.35	5 ✓				100	USMPDI-003SC-B-02-04-201110	PCP only Sed.			
13	A0K0482-09	A	8270E LL PAH/PCP Only (Scan)	01/05/21 07:42	~~10~~ 10.47	5 ✓				100	USMPDI-003SC-B-04-06-201110	PCP only Sed.			
14	A0K0482-10	A	8270E LL PAH/PCP Only (Scan)	01/05/21 07:42	~~10~~ 10.06	5 ✓				100	USMPDI-003SC-B-06-08-201110	Sed.			
15	A0K0482-11	A	8270E LL PAH/PCP Only (Scan)	01/05/21 07:42	~~10~~ 10.49	5 ✓				100	USMPDI-006SC-A-01-02-201110	PAH only Sed.(mud), (5)			
16	A0K0482-12	A	8270E LL PAH/PCP Only (Scan)	01/05/21 07:42	~~10~~ 10.16	5 ✓				100	USMPDI-006SC-A-02-03-201110	PAH only Sed.			
17	A0K0482-13	A	8270E LL PAH/PCP Only (Scan)	01/05/21 07:42	~~10~~ 10.51	5 ✓				100	USMPDI-006SC-A-03-04-201110	PAH only Sed.			
18	A0K0482-14	A	8270E LL PAH/PCP Only (Scan)	01/05/21 07:42	~~10~~ 10.50	5 ✓				100	USMPDI-006SC-A-04-05-201110	PAH only Sed			
19	A0K0482-15	A	8270E LL PAH/PCP Only (Scan)	01/05/21 07:42	~~10~~ 10.63	5 ✓				100	USMPDI-006SC-D-00-02-201110	PCP only Sed., (5)			
20	A0K0482-16	A	8270E LL PAH/PCP Only (Scan)	01/05/21 07:42	~~10~~ 10.52	5 ✓				100	USMPDI-006SC-D-02-04-201110	PCP only Sed.			

SCC 01/05/2020
Prepared By: Date

CAS 01/05/21
Reviewed By: Date

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 1012490 (Sediment)

Prep Method: EPA 3546

#	Lab Number		Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH <2	pH Other	pH >11
21	A0K0482-17	A	8270E LL PAH/PCP Only (Scan)	01/05/21 07:42	~~10~~ 10.24	5 ✓				100	USMPDI-006SC-D-04-06-201110	PCP only Sed.			
22	A0K0482-18	A	8270E LL PAH/PCP Only (Scan)	01/05/21 07:42	~~10~~ 10.43	5 ✓				100	USMPDI-006SC-D-06-08-201110	Sed.			
23	A0K0482-19	A	8270E LL PAH/PCP Only (Scan)	01/05/21 07:42	~~10~~ 10.25	5 ✓				100	USMPDI-006SC-D-08-10-201110	Sed.			
24	A0K0482-20	A	8270E LL PAH/PCP Only (Scan)	01/05/21 07:42	~~10~~ 10.26	5 ✓				100	USMPDI-006SC-D-10-12-201110	Sed.			
25	A0K0482-21	A	8270E LL PAH/PCP Only (Scan)	01/05/21 07:42	~~10~~ 10.01	5 ✓				100	USMPDI-006SC-D-12-14-201110	MS/MSD Sed.			
26	1012490-MS2		QC	01/05/21 07:43	~~10~~ 10.07	5 ✓	A20L278	A0K0482-21	100	100		Sed.			
27	1012490-MSD2		QC	01/05/21 07:43	~~10~~ 10.02	5 ✓	A20L278	A0K0482-21	100	100		Sed.			

Standards/Reagents

Reagent(s)

Std ID	Exp. Date	Description
A13L219	11/30/23	Extractions Balance
A20F023	11/29/22	Sodium Sulfate Lot # 196476
A20I319	03/21/21	DCM lot # 201490
A20J185	04/10/26	Glass Wool

Analyte Spike(s)

Std ID	Exp. Date	Description
A20L278	05/02/21	LVI PAH/PCP Spike @2000/5000ng/ml

SCG

Surrogate(s)

Std ID	Exp. Date	Description
A20L268	05/30/21	8270E LL PAH/PCP Only Surr. (5ppm)

SCG

Method 3546 digestion time and temperture achieved.
Initial: SCG

Witness: MEB 1/5/21

(5) = Staining on turbovap tube

Prepared By: Date

Reviewed By: Date

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 1012493 (Sediment)

Prep Method: EPA 3546

#	Lab Number		Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH <2	pH Other	pH >11
	1012493-BLK1		QC	01/05/21 07:44	11	5				100					
	1012493-BS1		QC	01/05/21 07:44	10	5	A20L278		100	100					
	A0K0482-22	A	8270E LL PAH/PCP Only (Scan)	01/05/21 07:44	10.36	5				100	USMPDI-1006SC-D-10-12-201110				
	1012493-DUP1		QC	01/05/21 07:44	10.25	5		A0K0482-22		100					
	1012493-MS1		QC	01/05/21 07:44	10.2	5	A20L278	A0K0482-22	100	100					

Standards/Reagents

Reagent(s)

Std ID	Exp. Date	Description
A13L219	11/30/23	Extractions Balance
A20F023	11/29/22	Sodium Sulfate Lot # 196476
A20I319	03/21/21	DCM lot # 201490
A20J185	04/10/26	Glass Wool

Analyte Spike(s)

Std ID	Exp. Date	Description
A20L278	05/02/21	LVI PAH/PCP Spike @2000/5000ng/ml

Surrogate(s)

Std ID	Exp. Date	Description
A20L268	05/30/21	8270E LL PAH/PCP Only Surr. (5ppm)

Method 3546 digestion time and temperture achieved.
Initial:

Witness:_____

Prepared By: Date

AMS 1/6/21
Reviewed By: Date

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 1012493 (Sediment)

Prep Method: EPA 3546

#	Lab Number		Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH <2	pH Other	pH >11
~~28~~	1012493-BLK1		QC	01/05/21 07:44	~~10~~ 11	5 ✓				100					
29	1012493-BS1		QC	01/05/21 07:44	10	5 ✓	A20L278		100	100					
30	A0K0482-22	A	8270E LL PAH/PCP Only (Scan)	01/05/21 07:44	~~10~~ 10.36	5 ✓				100	USMPDI-1006SC-D-10-12-201110	Sed.			
31	1012493-DUP1		QC	01/05/21 07:44	~~10~~ 10.25	5 ✓		A0K0482-22		100		Sed.			
32	1012493-MS1		QC	01/05/21 07:44	~~10~~ 10.20	5 ✓	A20L278	A0K0482-22	100	100		Sed.			

Standards/Reagents

Reagent(s)

Std ID	Exp. Date	Description
A13L219	11/30/23	Extractions Balance
A20F023	11/29/22	Sodium Sulfate Lot # 196476
A20I319	03/21/21	DCM lot # 201490
A20J185	04/10/26	Glass Wool

Analyte Spike(s)

Std ID	Exp. Date	Description
A20L278	05/02/21	LVI PAH/PCP Spike @2000/5000ng/ml

SCC

Surrogate(s)

Std ID	Exp. Date	Description
A20L268	05/30/21	8270E LL PAH/PCP Only Surr. (5ppm)

SCC

Method 3546 digestion time and temperture achieved.
Initial: SCC

Witness: MEB 1/5/21

SCC, 01/05/2020
Prepared By: Date

CAS 01/05/21
Reviewed By: Date

ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence:	1A05060	Instrument:	SV-GCMS14
Date:	**01/05/21 17:22**	Calibration:	**A0H1005**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	1A05060-TUN1	Sediment	QC	QC			A20J202	A20L286
2	1A05060-IBL1	Sediment	QC	QC			A20J202	
3	1A05060-CCV1	Sediment	QC	QC			A20J202	A20J299
4	1A05060-TUN2	Sediment	QC	QC			A20J202	A20L286
5	1A05060-IBL2	Sediment	QC	QC			A20J202	
6	1A05060-CCV2	Sediment	QC	QC			A20J202	A20J299
7	1A05060-CCB1	Sediment	QC	QC			A20J202	
8	1012490-BLK1	Sediment	QC	QC		1012490	A20J202	
9	1012490-BS1	Sediment	QC	QC		1012490	A20J202	
10	A0K0482-01	Sediment	8270E LL PAH/PCP Only (Scan)	Anchor QEA, LLC	01/14/21	1012490	A20J202	
11	1012490-DUP1	Sediment	QC	QC		1012490	A20J202	
12	1012493-BLK1	Sediment	QC	QC		1012493	A20J202	
13	1012493-BS1	Sediment	QC	QC		1012493	A20J202	
14	A0K0482-22	Sediment	8270E LL PAH/PCP Only (Scan)	Anchor QEA, LLC	01/14/21	1012493	A20J202	
15	1012493-DUP1	Sediment	QC	QC		1012493	A20J202	
16	1012493-MS1	Sediment	QC	QC		1012493	A20J202	
17	A0K0482-03	Sediment	8270E LL PAH/PCP Only (Scan)	Anchor QEA, LLC	01/14/21	1012490	A20J202	
18	1012490-MS1	Sediment	QC	QC		1012490	A20J202	
19	1012490-MSD1	Sediment	QC	QC		1012490	A20J202	
20	A0K0482-21	Sediment	8270E LL PAH/PCP Only (Scan)	Anchor QEA, LLC	01/14/21	1012490	A20J202	
21	1012490-MS2	Sediment	QC	QC		1012490	A20J202	
22	1012490-MSD2	Sediment	QC	QC		1012490	A20J202	
23	A0K0482-20	Sediment	8270E LL PAH/PCP Only (Scan)	Anchor QEA, LLC	01/14/21	1012490	A20J202	
24	A0K0482-08	Sediment	8270E LL PAH/PCP Only (Scan)	Anchor QEA, LLC	01/14/21	1012490	A20J202	
25	A0K0482-09	Sediment	8270E LL PAH/PCP Only (Scan)	Anchor QEA, LLC	01/14/21	1012490	A20J202	
26	A0K0482-10	Sediment	8270E LL PAH/PCP Only (Scan)	Anchor QEA, LLC	01/14/21	1012490	A20J202	
27	A0K0482-07	Sediment	8270E LL PAH/PCP Only (Scan)	Anchor QEA, LLC	01/14/21	1012490	A20J202	

Comments:

Data Entered By/Date: AMS 1/6/21

Data Reviewed By/Date: JK 1/6/21

1/6/2021 1:29:16PM

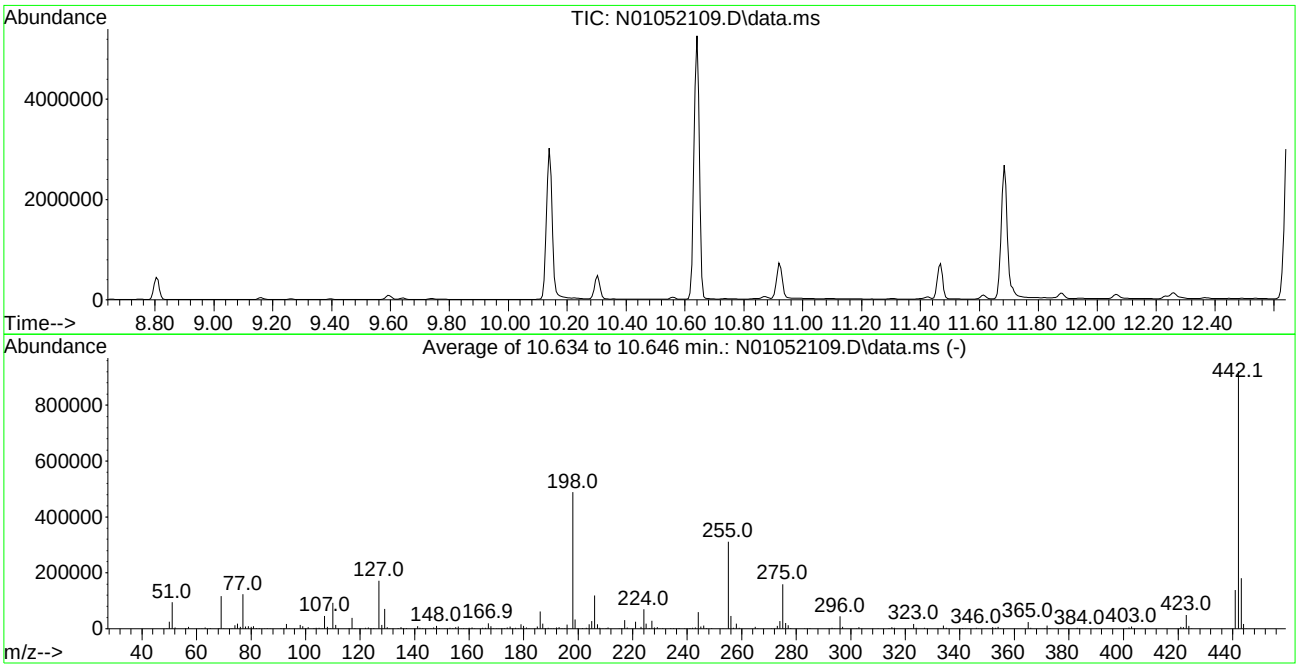
AMS 1/6/21

Q14

Data Path : U:\data\2021-01\1A05060\
Data File : N01052109.D
Acq On : 05 Jan 2021 05:27 pm
Operator : JK/ AMS/ DTH
Sample : 1A05060-TUN1
Misc : 1x, A20L286 DFTPP@22.5
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : U:\methods\DFTPP.M
Title : 8270 DFTPP Tune Method
Last Update : Mon Dec 21 15:42:43 2020



AutoFind: Scans 1088, 1089, 1090; Background Corrected with Scan 1082

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.9	2213	PASS
69	69	100	100	100.0	116314	PASS
70	69	0.00	2	0.5	614	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	488469	PASS
199	198	5	9	6.7	32627	PASS
365	198	1	100	5.0	24283	PASS
441	443	0.01	150	77.1	139211	PASS
442	198	0.10	200	188.8	922432	PASS
443	442	15	24	19.6	180565	PASS

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052109.D
Acq On : 05 Jan 2021 05:27 pm
Operator : JK/ AMS/ DTH
Sample : 1A05060-TUN1
Misc : 1x, A20L286 DFTPP@22.5
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 05 17:48:54 2021
Quant Method : M:\methods\DFTPP.M
Quant Title : 8270 DFTPP Tune Method
QLast Update : Mon Dec 21 15:42:43 2020
Response via : Initial Calibration

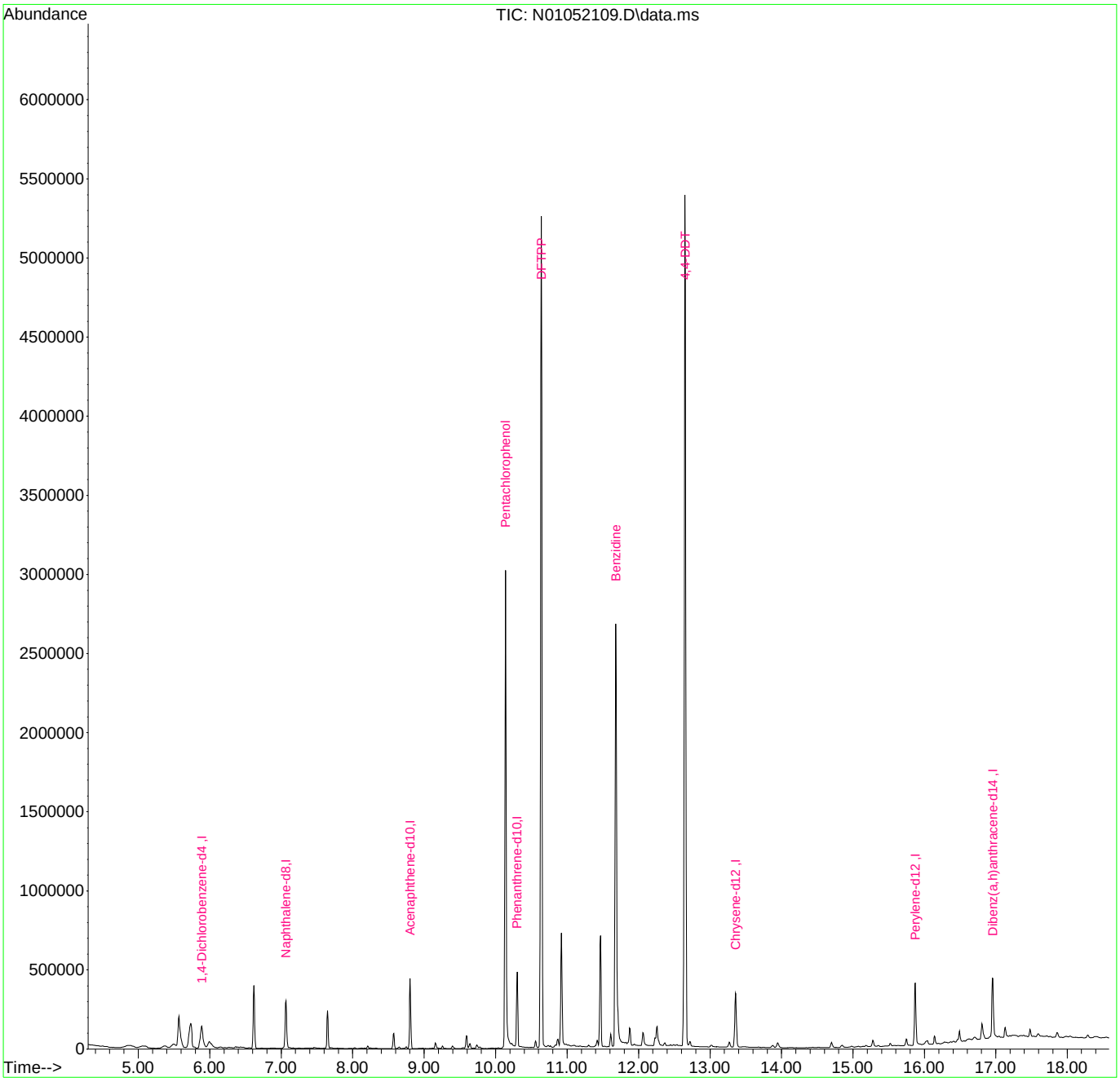
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.890	150	83487	2.00	ug/mL	-0.02
2) Naphthalene-d8	7.067	136	217689	2.00	ug/mL	-0.02
3) Acenaphthene-d10	8.804	162	128713	2.00	ug/mL	-0.03
5) Phenanthrene-d10	10.302	188	247082	2.00	ug/mL	-0.03
11) Chrysene-d12	13.356	240	233389	2.00	ug/mL	-0.05
12) Perylene-d12	15.874	264	249107	2.00	ug/mL	-0.03
13) Dibenz(a,h)anthracene-...	16.958	292	256170	2.00	ug/mL	#-0.03
Target Compounds						Qvalue
4) Pentachlorophenol	10.139	266	666178	54.81	ug/mL	75
6) DFTPP	10.640	442	1348358	67.60	ug/mL#	59
7) Benzidine	11.683	184	1711993	19.48	ug/mL	95
8) 4,4-DDE	11.876	TIC	160903	No Calib		
9) 4,4-DDD	12.260	TIC	280361	No Calib		
10) 4,4-DDT	12.651	TIC	8361438	33.00	ug/mL	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052109.D
Acq On : 05 Jan 2021 05:27 pm
Operator : JK/ AMS/ DTH
Sample : 1A05060-TUN1
Misc : 1x, A20L286 DFTPP@22.5
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 05 17:48:54 2021
Quant Method : M:\methods\DFTPP.M
Quant Title : 8270 DFTPP Tune Method
QLast Update : Mon Dec 21 15:42:43 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

AMS 1/6/21

Q14

Data Path : U:\data\2021-01\1A05060\
Data File : N01052111.D
Acq On : 05 Jan 2021 06:27 pm
Operator : JK/ AMS/ DTH
Sample : 1A05060-CCV1
Misc : 1x, A20J299@100
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 06 11:58:53 2021
Quant Method : U:\methods\SV14_080720RC.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Mon Dec 21 12:56:19 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.114	136	173058	100.00	ng/ml	-0.02
9) Acenaphthene-d10 (ISTD)	8.845	162	122053	100.00	ng/ml	-0.03
16) Phenanthrene-d10 (ISTD)	10.337	188	212297	100.00	ng/ml	-0.03
25) Chrysene-d12 (ISTD)	13.409	240	164662	100.00	ng/ml	-0.05
30) Perylene-d12 (ISTD)	16.638	264	159021	100.00	ng/ml	-0.07
37) Dibenz(a,h)Anthrcene-d...	19.016	292	143841	100.00	ng/ml	-0.07
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	6.432	82	46864	96.67	ng/ml	-0.02
10) 2-Fluorobiphenyl (Surr)	8.180	172	174448	99.96	ng/ml	-0.02
17) 2,4,6-Tribromophenol (...	9.643	330	26986	100.81	ng/ml	-0.03
27) Terphenyl-d14 (Surr)	11.963	244	174071	109.95	ng/ml	-0.03
Target Compounds						Qvalue
3) Decalin	6.583	138	11227	109.28	ng/ml	83
4) Naphthalene	7.131	128	169771	95.13	ng/ml	99
5) 2-Methylnaphthalene	7.813	142	137104	106.25	ng/ml	96
6) 1-Methylnaphthalene	7.907	142	136164	105.45	ng/ml	96
7) 1,1'-Biphenyl	8.274	154	175641	106.95	ng/ml	95
8) 2,6-Dimethylnaphthalene	8.431	156	131978	109.66	ng/ml	97
11) Acenaphthylene	8.705	152	214327	104.77	ng/ml	99
12) Acenaphthene	8.880	153	146489	97.99	ng/ml	100
13) Dibenzofuran	9.055	168	190099	101.14	ng/ml	93
14) 1,6,7-Trimethylnaphtha...	9.270	170	133575	98.55	ng/ml	99
15) Fluorene	9.399	166	149143	98.00	ng/ml	100
18) Pentachlorophenol (PCP)	10.174	266	6731	66.87	ng/ml	93
19) Dibenzothiopene	10.232	184	208641	101.20	ng/ml	92
20) Phenanthrene	10.360	178	219928	95.72	ng/ml	99
21) Anthracene	10.413	178	196175	104.24	ng/ml	99
22) Carbazole	10.588	167	143851	102.83	ng/ml	98
23) 1-Methylphenanthrene	10.984	192	165575	100.22	ng/ml	96
24) Fluoranthene	11.561	202	236695	99.31	ng/ml	94
26) Pyrene	11.788	202	244449	110.87	ng/ml	99
28) Benz(a)anthracene	13.391	228	167330	101.65	ng/ml	100
29) Chrysene	13.455	228	173119	101.78	ng/ml	100
31) Benzo(b)fluoranthene	15.758	252	166037	102.97	ng/ml	90
32) Benzo(k)fluoranthene	15.822	252	156830	103.10	ng/ml	90

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052111.D
Acq On : 05 Jan 2021 06:27 pm
Operator : JK/ AMS/ DTH
Sample : 1A05060-CCV1
Misc : 1x, A20J299@100
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 06 11:58:53 2021
Quant Method : U:\methods\SV14_080720RC.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Mon Dec 21 12:56:19 2020
Response via : Initial Calibration

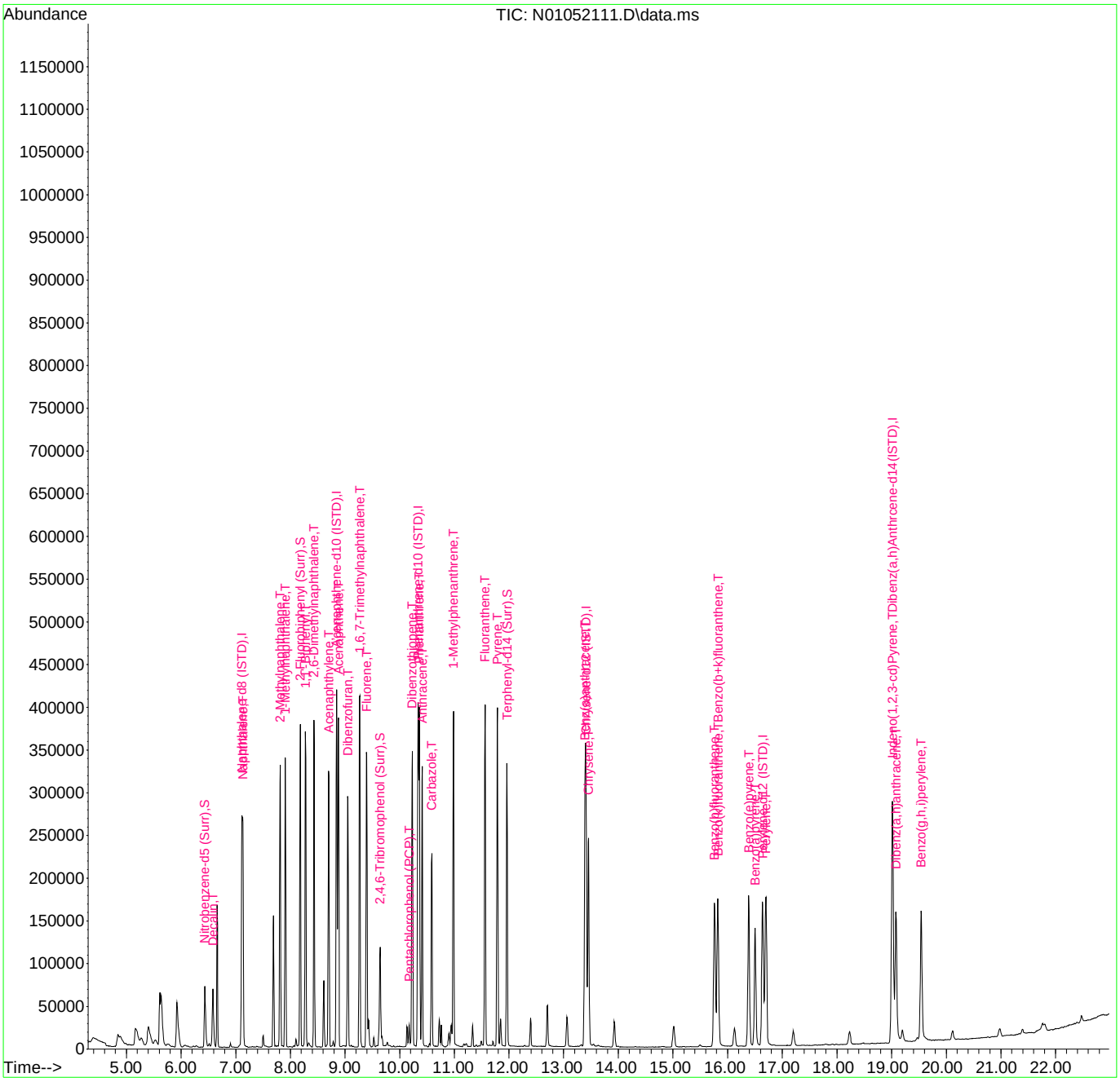
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	15.822	252	330021	201.11	ng/ml	90
34) Benzo(e)pyrene	16.387	252	163593	102.02	ng/ml	97
35) Benzo(a)pyrene	16.504	252	127327	108.91	ng/ml	94
36) Perylene	16.702	252	165304	95.23	ng/ml	100
38) Indeno(1,2,3-cd)Pyrene	19.016	276	143588	92.75	ng/ml	74
39) Dibenz(a,h)anthracene	19.080	278	137941	90.62	ng/ml	77
40) Benzo(g,h,i)perylene	19.540	276	149987	95.29	ng/ml	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052111.D
Acq On : 05 Jan 2021 06:27 pm
Operator : JK/ AMS/ DTH
Sample : 1A05060-CCV1
Misc : 1x, A20J299@100
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 06 11:58:53 2021
Quant Method : U:\methods\SV14_080720RC.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Mon Dec 21 12:56:19 2020
Response via : Initial Calibration

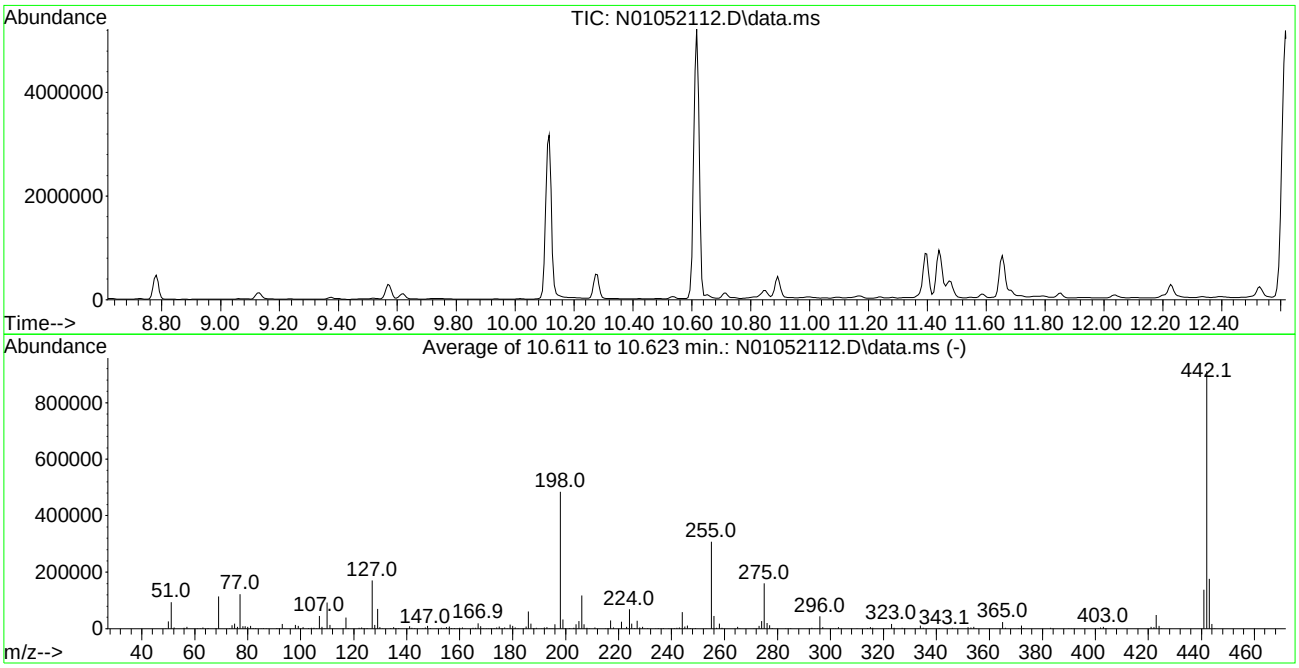


AMS 1/6/21

Data Path : U:\data\2021-01\1A05060\
Data File : N01052112.D
Acq On : 05 Jan 2021 07:47 pm
Operator : JK/ AMS/ DTH
Sample : 1A05060-TUN2
Misc : 1x, A20L286 DFTPP@22.5 GRAPHPACK+ COLUMN CUT
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : U:\methods\DFTPP.M
Title : 8270 DFTPP Tune Method
Last Update : Mon Dec 21 15:42:43 2020



AutoFind: Scans 1084, 1085, 1086; Background Corrected with Scan 1078

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.9	2169	PASS
69	69	100	100	100.0	114360	PASS
70	69	0.00	2	0.5	559	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	484437	PASS
199	198	5	9	6.7	32456	PASS
365	198	1	100	4.9	23528	PASS
441	443	0.01	150	78.8	138603	PASS
442	198	0.10	200	188.2	911893	PASS
443	442	15	24	19.3	175915	PASS

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052112.D
Acq On : 05 Jan 2021 07:47 pm
Operator : JK/ AMS/ DTH
Sample : 1A05060-TUN2
Misc : 1x, A20L286 DFTPP@22.5 GRAPHPACK+ COLUMN CUT
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 06 12:01:17 2021
Quant Method : U:\methods\DFTPP.M
Quant Title : 8270 DFTPP Tune Method
QLast Update : Wed Jan 06 12:01:11 2021
Response via : Initial Calibration

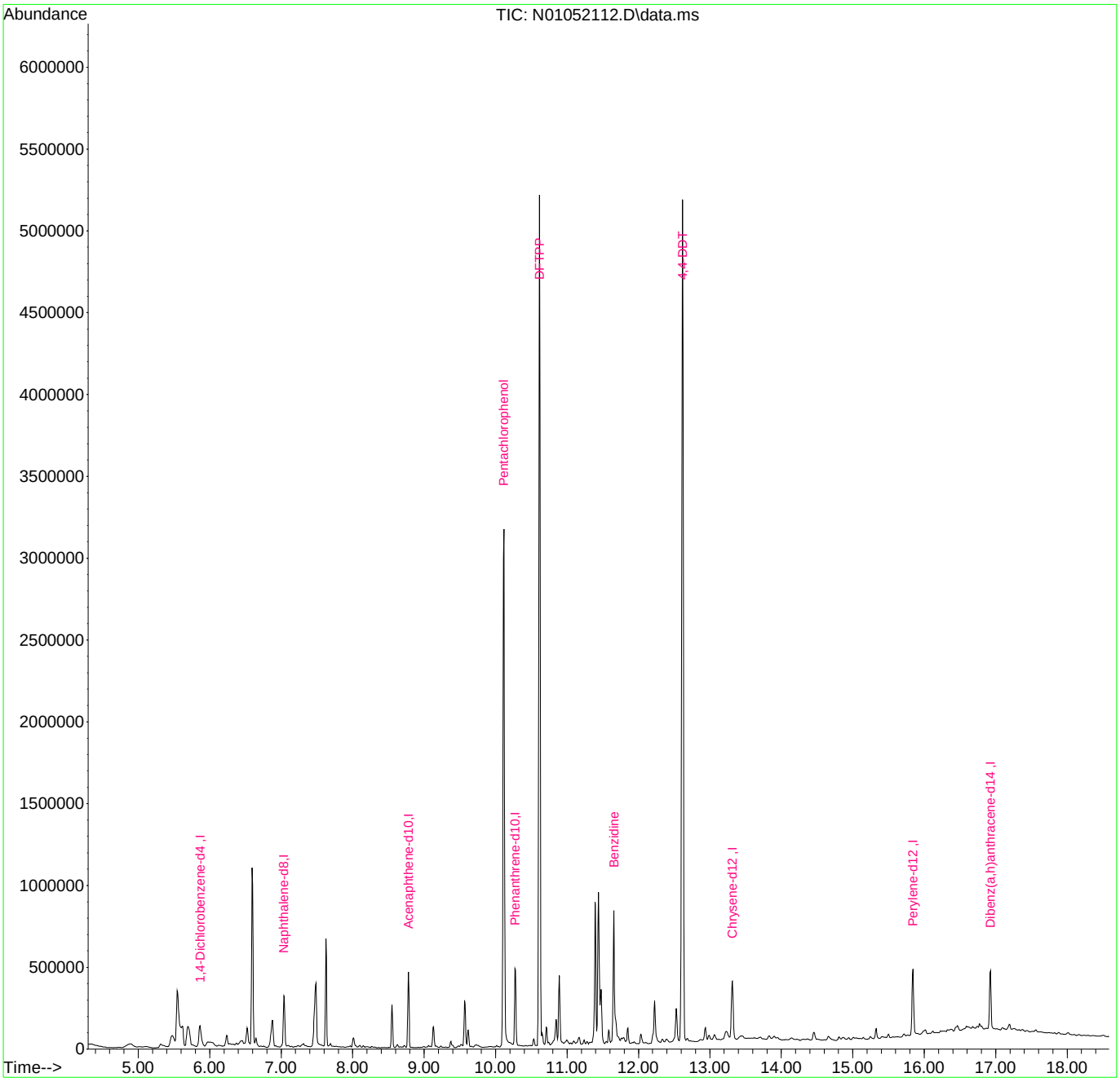
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.867	150	86047	2.00	ug/mL	0.00
2) Naphthalene-d8	7.038	136	224667	2.00	ug/mL	0.00
3) Acenaphthene-d10	8.781	162	132944	2.00	ug/mL	0.00
5) Phenanthrene-d10	10.273	188	256561	2.00	ug/mL	0.00
11) Chrysene-d12	13.316	240	243655	2.00	ug/mL	0.00
12) Perylene-d12	15.839	264	251106	2.00	ug/mL	0.00
13) Dibenz(a,h)anthracene-...	16.924	292	244736	2.00	ug/mL	# 0.00
Target Compounds						Qvalue
4) Pentachlorophenol	10.116	266	701214	55.86	ug/mL	74
6) DFTPP	10.617	442	1328435	64.14	ug/mL#	59
7) Benzidine	11.654	184	576630	6.32	ug/mL	95
8) 4,4-DDE	11.853	TIC	134709	No Calib		
9) 4,4-DDD	12.226	TIC	493445	No Calib		
10) 4,4-DDT	12.616	TIC	7828089	29.75	ug/mL	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052112.D
Acq On : 05 Jan 2021 07:47 pm
Operator : JK/ AMS/ DTH
Sample : 1A05060-TUN2
Misc : 1x, A20L286 DFTPP@22.5 GRAPHPACK+ COLUMN CUT
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 06 12:01:17 2021
Quant Method : U:\methods\DFTPP.M
Quant Title : 8270 DFTPP Tune Method
QLast Update : Wed Jan 06 12:01:11 2021
Response via : Initial Calibration



DDT Breakdown Check (Validated 5/1/2013)

From:
1A05060-TUN2
SV-GCMS 14

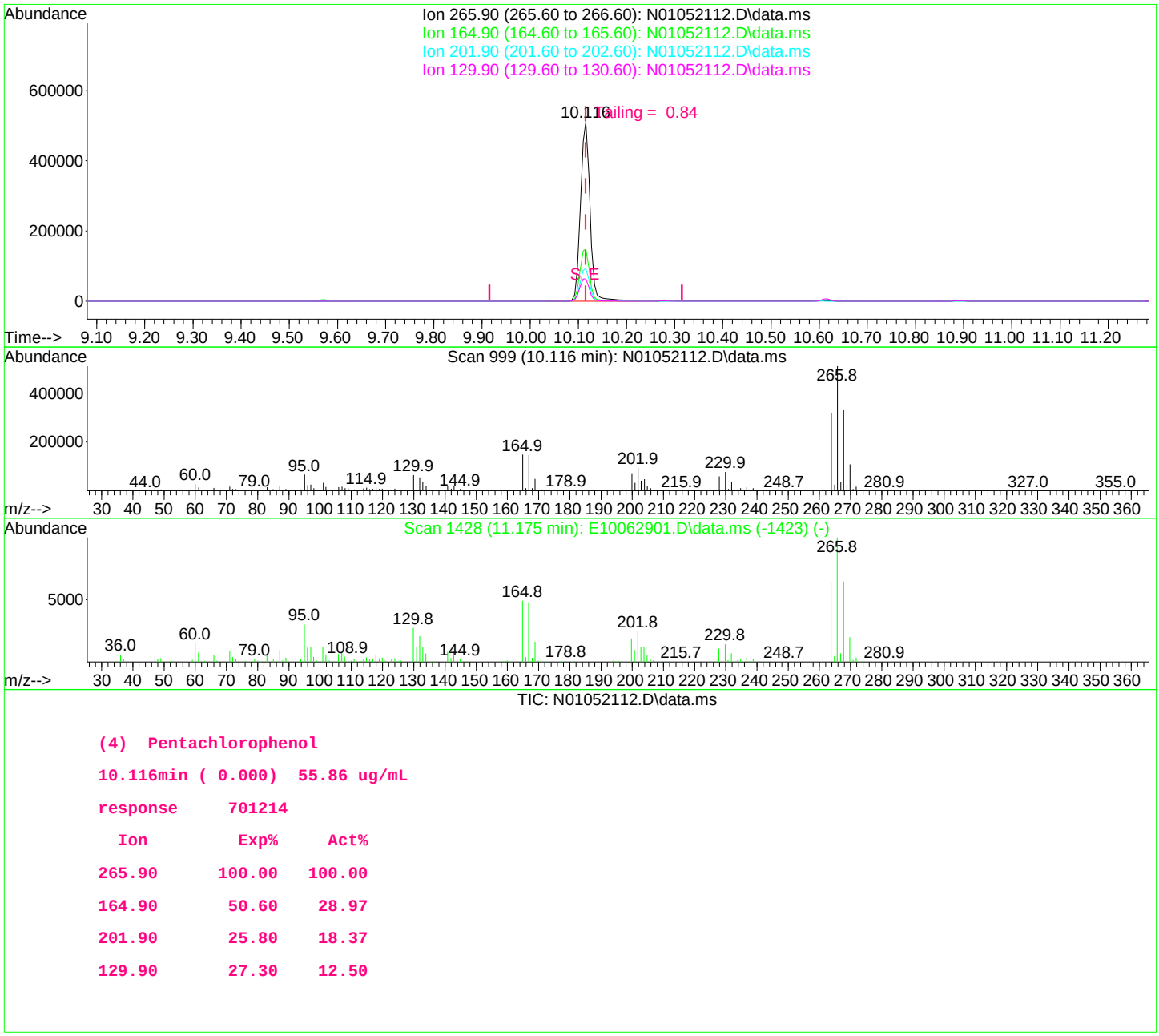
First Column	Area Counts	Percent Breakdown	
DDE	134709		
DDD	493445		
DDT	7828089	**7.43**	**PASS**

Breakdown must be less than 20% to accept sample data.

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052112.D
Acq On : 05 Jan 2021 07:47 pm
Operator : JK/ AMS/ DTH
Sample : 1A05060-TUN2
Misc : 1x, A20L286 DFTPP@22.5 GRAPHPACK+ COLUMN CUT
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 06 12:01:17 2021
Quant Method : U:\methods\DFTPP.M
Quant Title : 8270 DFTPP Tune Method
QLast Update : Wed Jan 06 12:01:11 2021
Response via : Initial Calibration



TIC: N01052112.D\data.ms

(4) Pentachlorophenol

10.116min (0.000) 55.86 ug/mL

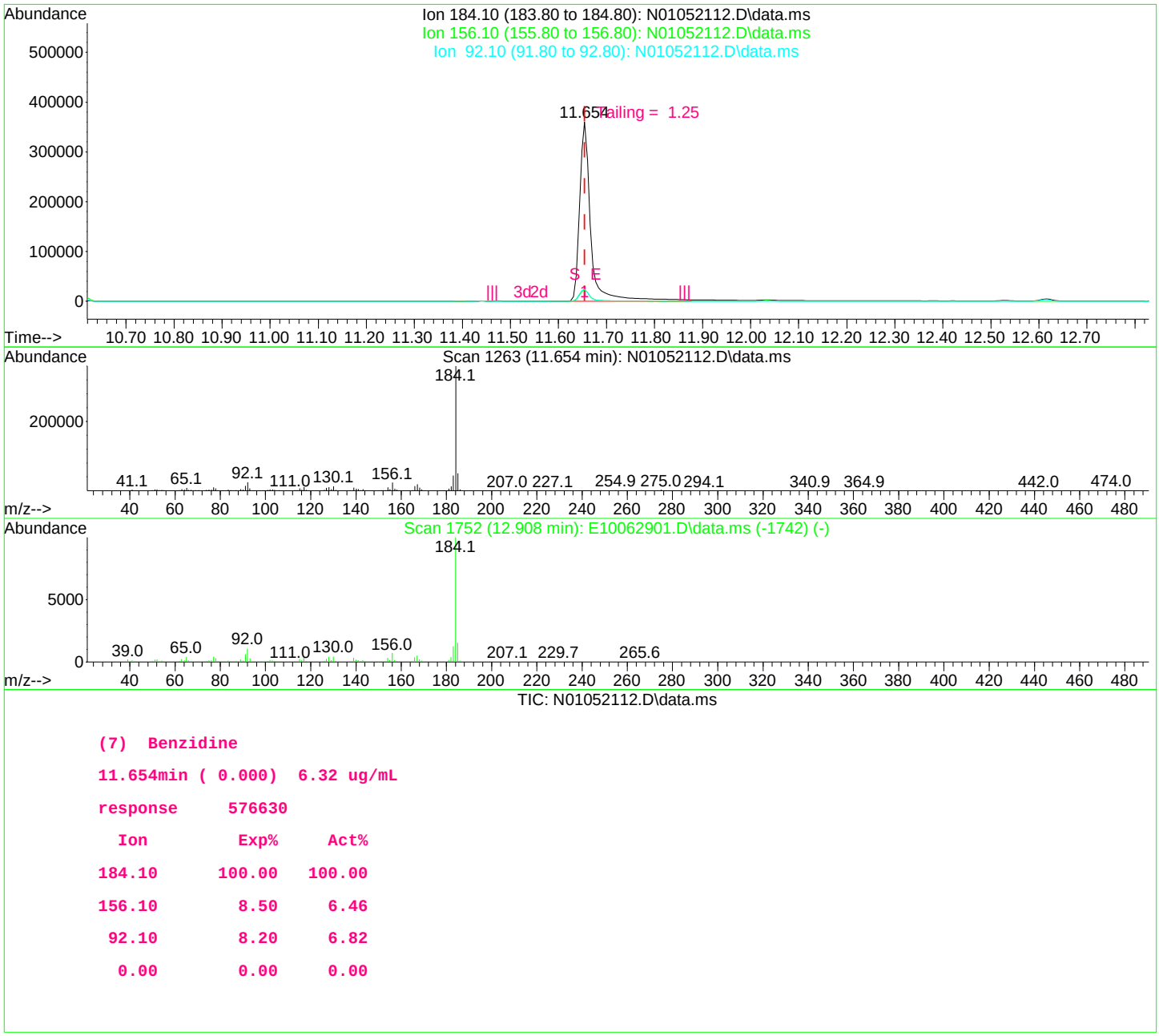
response 701214

Ion	Exp%	Act%
265.90	100.00	100.00
164.90	50.60	28.97
201.90	25.80	18.37
129.90	27.30	12.50

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052112.D
Acq On : 05 Jan 2021 07:47 pm
Operator : JK/ AMS/ DTH
Sample : 1A05060-TUN2
Misc : 1x, A20L286 DFTPP@22.5 GRAPHPACK+ COLUMN CUT
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 06 12:01:17 2021
Quant Method : U:\methods\DFTPP.M
Quant Title : 8270 DFTPP Tune Method
QLast Update : Wed Jan 06 12:01:11 2021
Response via : Initial Calibration



TIC: N01052112.D\data.ms

(7) Benzidine

11.654min (0.000) 6.32 ug/mL

response 576630

Ion	Exp%	Act%
184.10	100.00	100.00
156.10	8.50	6.46
92.10	8.20	6.82
0.00	0.00	0.00

Evaluate Continuing Calibration Report

AMS 1/6/21

Data Path : U:\data\2021-01\1A05060\
Data File : N01052114.D
Acq On : 05 Jan 2021 08:45 pm
Operator : JK/ AMS/ DTH
Sample : 1A05060-CCV2
Misc : 1x, A20J299@100
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 06 12:03:10 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Naphthalene-d8 (ISTD)	100.000	100.000	0.0	77	0.00
2	S	Nitrobenzene-d5 (Surr)	100.000	94.922	5.1	72	0.00
3	T	Decalin	100.000	87.460	12.5	65	0.00
4	T	Naphthalene	100.000	94.263	5.7	74	0.00
5	T	2-Methylnaphthalene	100.000	109.924	-9.9	80	0.00
6	T	1-Methylnaphthalene	100.000	108.016	-8.0	80	0.00
7	T	1,1'-Biphenyl	100.000	111.909	-11.9	82	0.00
8	T	2,6-Dimethylnaphthalene	100.000	113.746	-13.7	82	0.00
9	I	Acenaphthene-d10 (ISTD)	100.000	100.000	0.0	82	0.00
10	S	2-Fluorobiphenyl (Surr)	100.000	102.322	-2.3	82	0.00
11	T	Acenaphthylene	100.000	106.614	-6.6	82	0.00
12	T	Acenaphthene	100.000	98.791	1.2	81	0.00
13	T	Dibenzofuran	100.000	105.550	-5.5	82	0.00
14	T	1,6,7-Trimethylnaphthalene	100.000	98.000	2.0	78	0.00
15	T	Fluorene	100.000	103.016	-3.0	78	0.00
16	I	Phenanthrene-d10 (ISTD)	100.000	100.000	0.0	80	0.00
17	S	2,4,6-Tribromophenol (Surr)	100.000	108.933	-8.9	86	0.00
18	T	Pentachlorophenol (PCP)	100.000	100.756	-0.8	81	0.00
19	T	Dibenzothiopene	100.000	100.624	-0.6	79	0.00
20	T	Phenanthrene	100.000	95.552	4.4	77	0.00
21	T	Anthracene	100.000	106.526	-6.5	80	0.00
22	T	Carbazole	100.000	109.279	-9.3	80	0.00
23	T	1-Methylphenanthrene	100.000	100.188	-0.2	77	0.00
24	T	Fluoranthene	100.000	103.933	-3.9	77	0.00
25	I	Chrysene-d12 (ISTD)	100.000	100.000	0.0	84	0.00
26	T	Pyrene	100.000	96.275	3.7	77	0.00
27	S	Terphenyl-d14 (Surr)	100.000	103.944	-3.9	84	0.00
28	T	Benz(a)anthracene	100.000	102.099	-2.1	89	0.00
29	T	Chrysene	100.000	101.524	-1.5	84	0.00
30	I	Perylene-d12 (ISTD)	100.000	100.000	0.0	95	0.00

Data Path : U:\data\2021-01\1A05060\
Data File : N01052114.D
Acq On : 05 Jan 2021 08:45 pm
Operator : JK/ AMS/ DTH
Sample : 1A05060-CCV2
Misc : 1x, A20J299@100
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 06 12:03:10 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
31	T	Benzo(b)fluoranthene	100.000	100.323	-0.3	92	0.00
32	T	Benzo(k)fluoranthene	100.000	103.056	-3.1	94	0.00
33	T	Benzo(b+k)fluoranthene	200.000	198.291	0.9	91	0.00
34	T	Benzo(e)pyrene	100.000	101.400	-1.4	92	0.00
35	T	Benzo(a)pyrene	100.000	106.130	-6.1	95	0.00
36	T	Perylene	100.000	96.033	4.0	91	0.00
37	I	Dibenz(a,h)Anthrcene-d14(IS	100.000	100.000	0.0	111	0.00
38	T	Indeno(1,2,3-cd)Pyrene	100.000	93.362	6.6	102	0.00
39	T	Dibenz(a,h)anthracene	100.000	90.477	9.5	96	0.00
40	T	Benzo(g,h,i)perylene	100.000	96.312	3.7	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052114.D
Acq On : 05 Jan 2021 08:45 pm
Operator : JK/ AMS/ DTH
Sample : 1A05060-CCV2
Misc : 1x, A20J299@100
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 06 12:03:10 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.085	136	183926	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	8.821	162	131687	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.314	188	247141	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	13.368	240	229140	100.00	ng/ml	0.00
30) Perylene-d12 (ISTD)	16.585	264	232873	100.00	ng/ml	0.00
37) Dibenz(a,h)Anthrcene-d...	18.957	292	208540	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	6.408	82	48907	94.92	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.157	172	192659	102.32	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	9.620	330	34057	108.93	ng/ml	0.00
27) Terphenyl-d14 (Surr)	11.934	244	229000	103.94	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	6.560	138	9550	87.46	ng/ml	84
4) Naphthalene	7.108	128	178787	94.26	ng/ml	98
5) 2-Methylnaphthalene	7.784	142	150756	109.92	ng/ml	96
6) 1-Methylnaphthalene	7.883	142	148240	108.02	ng/ml	96
7) 1,1'-Biphenyl	8.250	154	195320	111.91	ng/ml	95
8) 2,6-Dimethylnaphthalene	8.408	156	145492	113.75	ng/ml	96
11) Acenaphthylene	8.676	152	235316	106.61	ng/ml	99
12) Acenaphthene	8.851	153	159338	98.79	ng/ml	99
13) Dibenzofuran	9.025	168	214038	105.55	ng/ml	94
14) 1,6,7-Trimethylnaphtha...	9.241	170	143313	98.00	ng/ml	100
15) Fluorene	9.369	166	169148	103.02	ng/ml	99
18) Pentachlorophenol (PCP)	10.145	266	13167	100.76	ng/ml	99
19) Dibenzothiopene	10.203	184	241493	100.62	ng/ml	93
20) Phenanthrene	10.337	178	255583	95.55	ng/ml	99
21) Anthracene	10.384	178	233385	106.53	ng/ml	99
22) Carbazole	10.558	167	177971	109.28	ng/ml	98
23) 1-Methylphenanthrene	10.955	192	192683	100.19	ng/ml	97
24) Fluoranthene	11.538	202	288380	103.93	ng/ml	94
26) Pyrene	11.759	202	295390	96.28	ng/ml	99
28) Benz(a)anthracene	13.350	228	233882	102.10	ng/ml	100
29) Chrysene	13.409	228	240305	101.52	ng/ml	99
31) Benzo(b)fluoranthene	15.705	252	236893	100.32	ng/ml	90
32) Benzo(k)fluoranthene	15.763	252	229577	103.06	ng/ml	90

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052114.D
Acq On : 05 Jan 2021 08:45 pm
Operator : JK/ AMS/ DTH
Sample : 1A05060-CCV2
Misc : 1x, A20J299@100
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 06 12:03:10 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

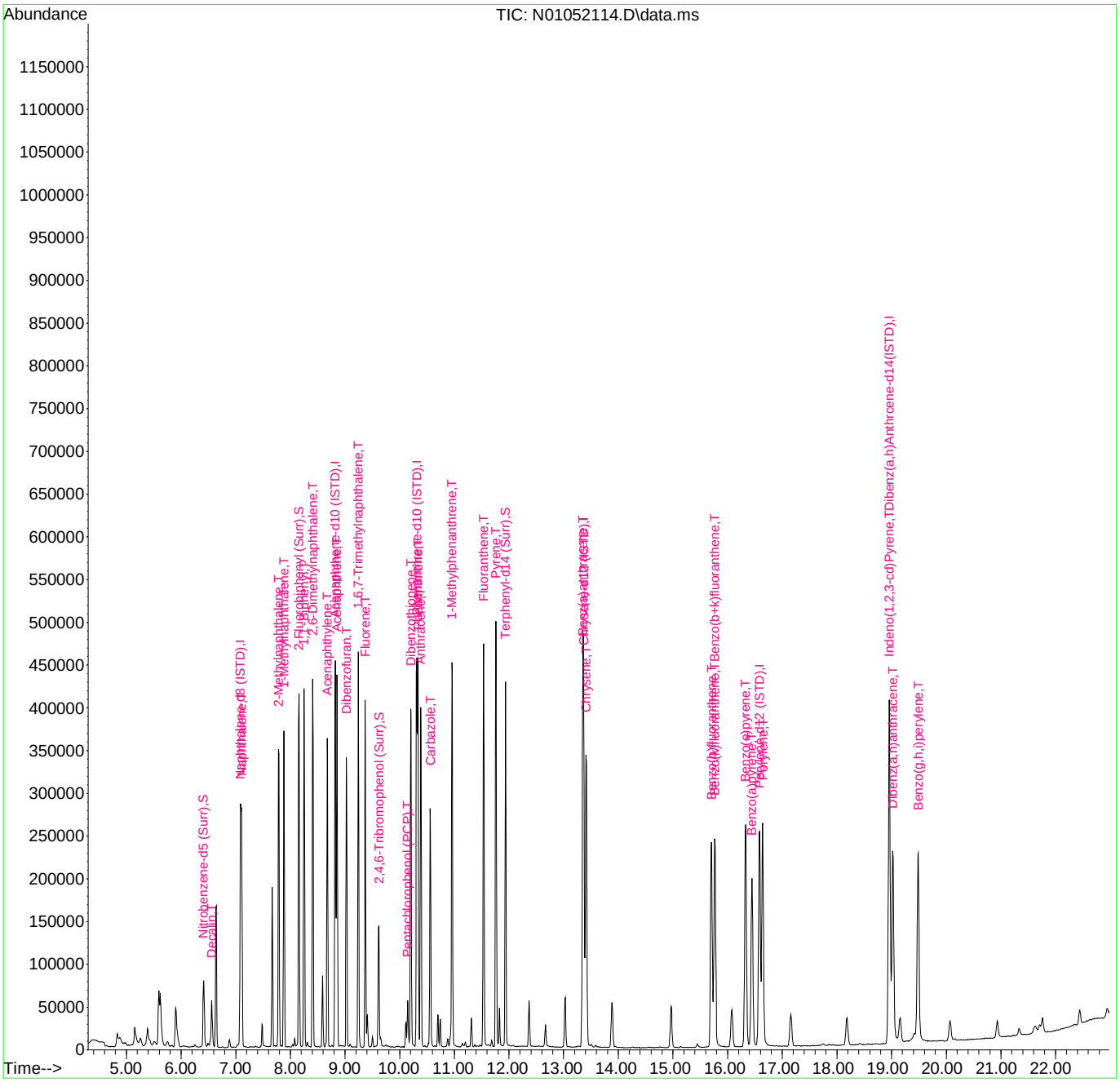
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	15.763	252	476525	198.29	ng/ml	90
34) Benzo(e)pyrene	16.329	252	238121	101.40	ng/ml	97
35) Benzo(a)pyrene	16.445	252	181694	106.13	ng/ml	95
36) Perylene	16.643	252	244110	96.03	ng/ml	99
38) Indeno(1,2,3-cd)Pyrene	18.957	276	209542	93.36	ng/ml	74
39) Dibenz(a,h)anthracene	19.022	278	199662	90.48	ng/ml	77
40) Benzo(g,h,i)perylene	19.488	276	219781	96.31	ng/ml	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052114.D
Acq On : 05 Jan 2021 08:45 pm
Operator : JK/ AMS/ DTH
Sample : 1A05060-CCV2
Misc : 1x, A20J299@100
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 06 12:03:10 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

AMS 1/6/21

Data Path : U:\data\2021-01\1A05060\
Data File : N01052115.D
Acq On : 05 Jan 2021 09:18 pm
Operator : JK/ AMS/ DTH
Sample : 1A05060-CCB1
Misc : 1x, DCM + ISTD
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 06 12:03:46 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.085	136	187402	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	8.822	162	118122	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.308	188	209864	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	13.362	240	177131	100.00	ng/ml	0.00
30) Perylene-d12 (ISTD)	16.580	264	174603	100.00	ng/ml	0.00
37) Dibenz(a,h)Anthrcene-d...	18.952	292	158385	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	6.350	82	62	0.12	ng/ml	-0.06
10) 2-Fluorobiphenyl (Surr)	8.157	172	72	0.04	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	0.000	330	0	0.00	ng/ml	
27) Terphenyl-d14 (Surr)	11.934	244	56	0.03	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	0.000		0	N.D.		
4) Naphthalene	7.114	128	505	N.D.		
5) 2-Methylnaphthalene	7.790	142	98	N.D.		
6) 1-Methylnaphthalene	7.889	142	59	N.D.		
7) 1,1'-Biphenyl	8.251	154	243	N.D.		
8) 2,6-Dimethylnaphthalene	0.000		0	N.D.		
11) Acenaphthylene	8.676	152	92	N.D.		
12) Acenaphthene	0.000		0	N.D.		
13) Dibenzofuran	9.026	168	58	N.D.		
14) 1,6,7-Trimethylnaphtha...	0.000		0	N.D.		
15) Fluorene	0.000		0	N.D.		
18) Pentachlorophenol (PCP)	10.151	266	330	12.11	ng/ml	93
19) Dibenzothiopene	10.203	184	65	N.D.		
20) Phenanthrene	10.331	178	339	N.D.		
21) Anthracene	10.384	178	68	N.D.		
22) Carbazole	10.564	167	235	N.D.		
23) 1-Methylphenanthrene	10.955	192	83	N.D.		
24) Fluoranthene	11.532	202	130	N.D.		
26) Pyrene	11.759	202	92	N.D.		
28) Benz(a)anthracene	13.362	228	443	N.D.		
29) Chrysene	13.409	228	118	N.D.		
31) Benzo(b)fluoranthene	15.694	252	159	N.D.		
32) Benzo(k)fluoranthene	15.758	252	159	N.D.		

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052115.D
Acq On : 05 Jan 2021 09:18 pm
Operator : JK/ AMS/ DTH
Sample : 1A05060-CCB1
Misc : 1x, DCM + ISTD
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 06 12:03:46 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

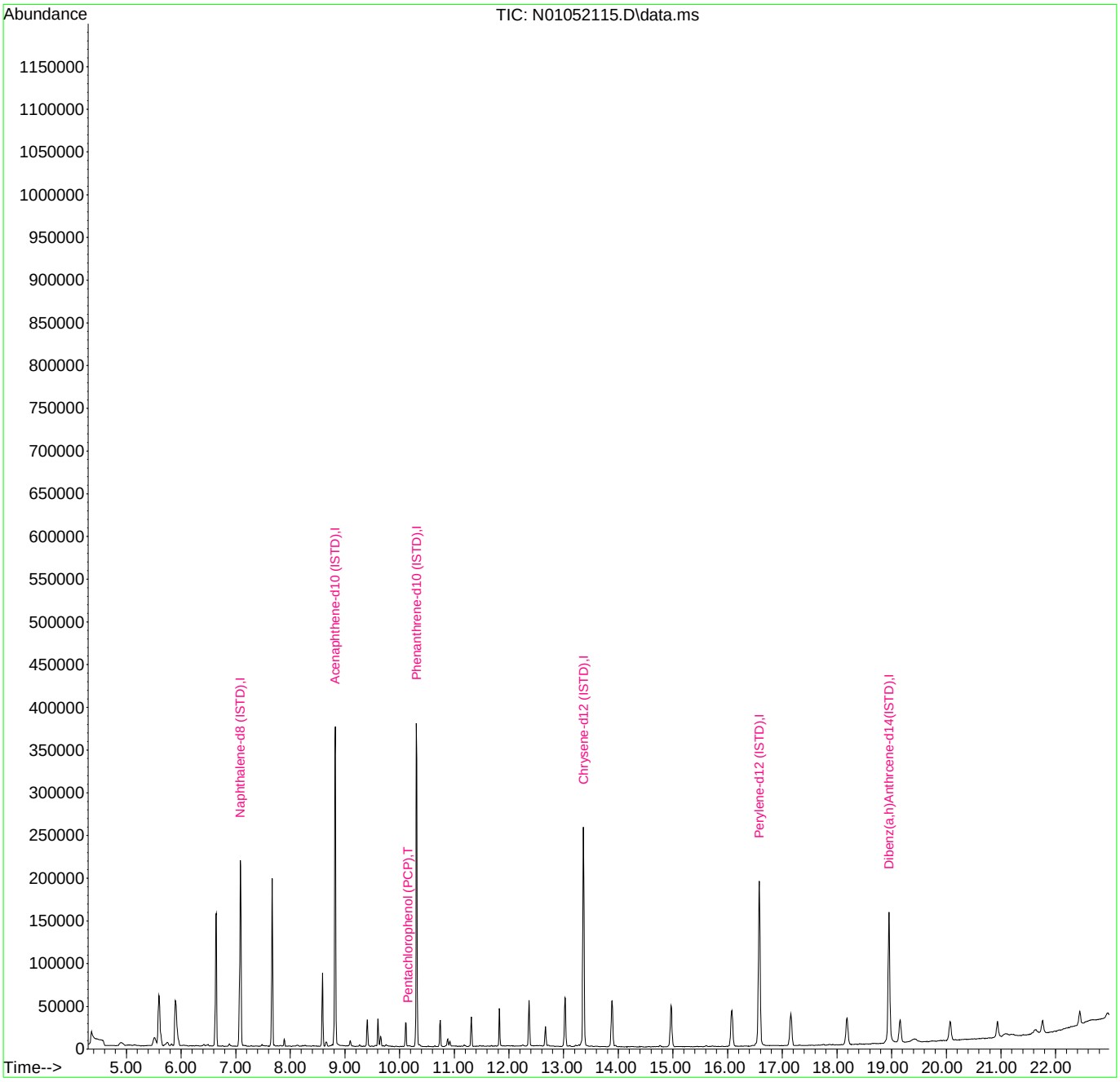
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	15.758	252	159	N.D.		
34) Benzo(e)pyrene	16.317	252	202	N.D.		
35) Benzo(a)pyrene	16.434	252	125	N.D.		
36) Perylene	16.632	252	257	N.D.		
38) Indeno(1,2,3-cd)Pyrene	18.952	276	270	N.D.		
39) Dibenz(a,h)anthracene	19.016	278	226	N.D.		
40) Benzo(g,h,i)perylene	19.482	276	207	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052115.D
Acq On : 05 Jan 2021 09:18 pm
Operator : JK/ AMS/ DTH
Sample : 1A05060-CCB1
Misc : 1x, DCM + ISTD
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 06 12:03:46 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

AMS 1/6/21

Data Path : U:\data\2021-01\1A05060\
Data File : N01052116.D
Acq On : 05 Jan 2021 09:55 pm
Operator : JK/ AMS/ DTH
Sample : 1012490-BLK1
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 06 12:48:14 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.090	136	192952	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	8.822	162	121197	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.314	188	216971	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	13.368	240	201010	100.00	ng/ml	0.00
30) Perylene-d12 (ISTD)	16.585	264	204652	100.00	ng/ml	0.00
37) Dibenz(a,h)Anthrcene-d...	18.958	292	193596	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	6.414	82	40969	75.80	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.157	172	148804	85.87	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	9.620	330	27736	101.36	ng/ml	0.00
27) Terphenyl-d14 (Surr)	11.940	244	182110	94.23	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	0.000		0	N.D.		
4) Naphthalene	7.114	128	850	0.43	ng/ml	81
5) 2-Methylnaphthalene	7.790	142	441	N.D.		
6) 1-Methylnaphthalene	7.883	142	245	N.D.		
7) 1,1'-Biphenyl	8.256	154	802	0.44	ng/ml	82
8) 2,6-Dimethylnaphthalene	8.414	156	302	N.D.		
11) Acenaphthylene	8.676	152	95	N.D.		
12) Acenaphthene	8.816	153	148	N.D.		
13) Dibenzofuran	9.031	168	149	N.D.		
14) 1,6,7-Trimethylnaphtha...	9.241	170	118	N.D.		
15) Fluorene	9.375	166	108	N.D.		
18) Pentachlorophenol (PCP)	10.151	266	479	13.39	ng/ml	94
19) Dibenzothiopene	10.209	184	85	N.D.		
20) Phenanthrene	10.337	178	772	N.D.		
21) Anthracene	10.390	178	117	N.D.		
22) Carbazole	10.564	167	191	N.D.		
23) 1-Methylphenanthrene	10.955	192	230	N.D.		
24) Fluoranthene	11.538	202	440	N.D.		
26) Pyrene	11.765	202	418	N.D.		
28) Benz(a)anthracene	13.368	228	665	N.D.		
29) Chrysene	13.409	228	233	N.D.		
31) Benzo(b)fluoranthene	15.705	252	260	N.D.		
32) Benzo(k)fluoranthene	15.764	252	157	N.D.		

Data Path : U:\data\2021-01\1A05060\
Data File : N01052116.D
Acq On : 05 Jan 2021 09:55 pm
Operator : JK/ AMS/ DTH
Sample : 1012490-BLK1
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 06 12:48:14 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

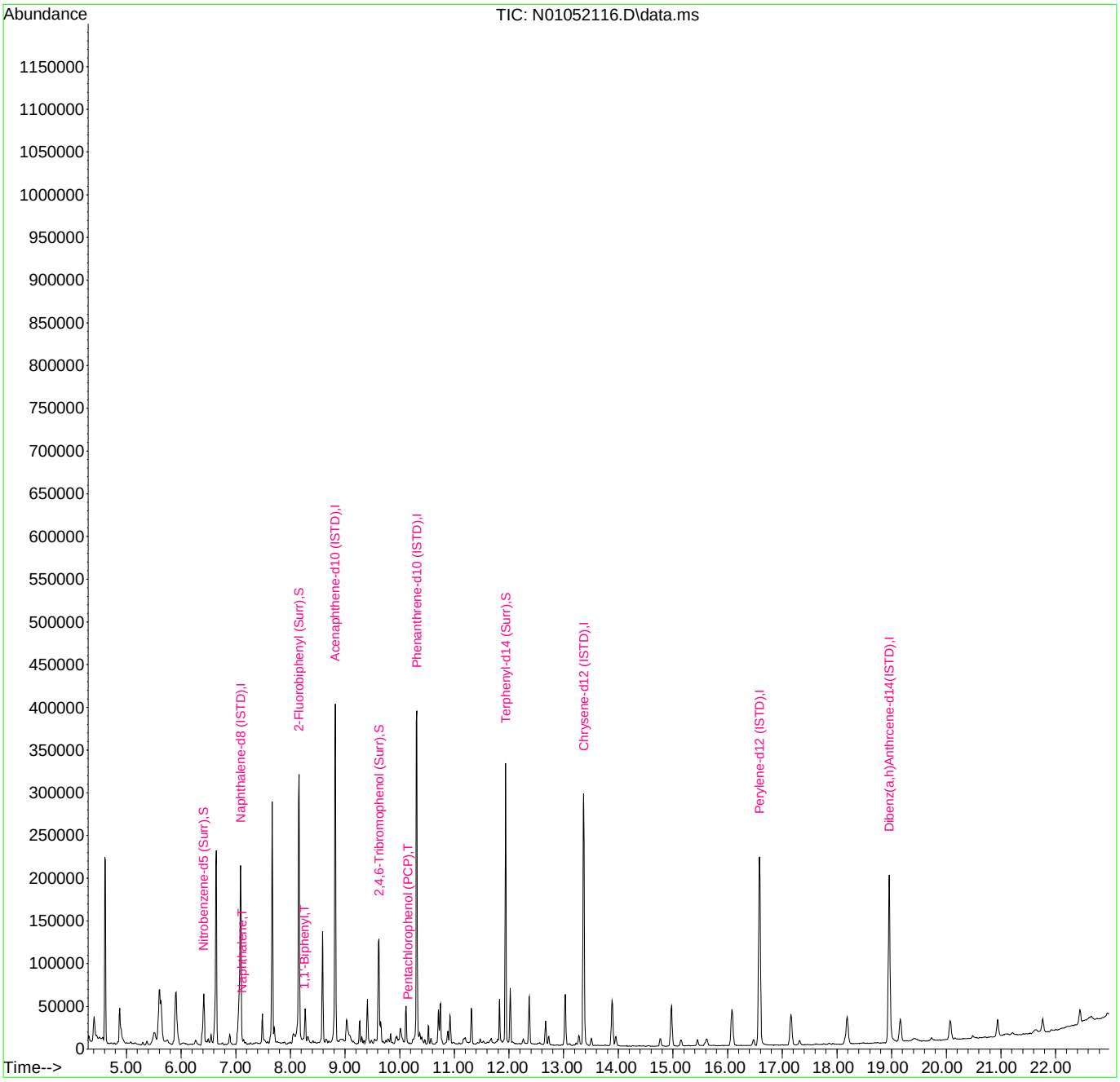
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	15.705	252	431	N.D.		
34) Benzo(e)pyrene	16.329	252	174	N.D.		
35) Benzo(a)pyrene	16.451	252	157	N.D.		
36) Perylene	16.585	252	738	N.D.		
38) Indeno(1,2,3-cd)Pyrene	18.952	276	240	N.D.		
39) Dibenz(a,h)anthracene	19.028	278	57	N.D.		
40) Benzo(g,h,i)perylene	19.488	276	227	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052116.D
Acq On : 05 Jan 2021 09:55 pm
Operator : JK/ AMS/ DTH
Sample : 1012490-BLK1
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 06 12:48:14 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052116.D
Acq On : 05 Jan 2021 09:55 pm
Operator : JK/ AMS/ DTH
Sample : 1012490-BLK1
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 06 12:48:14 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.090	136	192952	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	8.822	162	121197	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.314	188	216971	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	13.368	240	201010	100.00	ng/ml	0.00
30) Perylene-d12 (ISTD)	16.585	264	204652	100.00	ng/ml	0.00
37) Dibenz(a,h)Anthrcene-d...	18.958	292	193596	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	6.414	82	40969	75.80	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.157	172	148804	85.87	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	9.620	330	27736	101.36	ng/ml	0.00
27) Terphenyl-d14 (Surr)	11.940	244	182110	94.23	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	0.000		0	N.D.		
4) Naphthalene	7.114	128	850	0.43	ng/ml	81
5) 2-Methylnaphthalene	7.790	142	441	N.D.		
6) 1-Methylnaphthalene	7.883	142	245	N.D.		
7) 1,1'-Biphenyl	8.256	154	802	0.44	ng/ml	82
8) 2,6-Dimethylnaphthalene	8.414	156	302	N.D.		
11) Acenaphthylene	8.676	152	95	N.D.		
12) Acenaphthene	8.816	153	148	N.D.		
13) Dibenzofuran	9.031	168	149	N.D.		
14) 1,6,7-Trimethylnaphtha...	9.241	170	118	N.D.		
15) Fluorene	9.375	166	108	N.D.		
18) Pentachlorophenol (PCP)	10.151	266	479	13.39	ng/ml	94
19) Dibenzothiopene	10.209	184	85	N.D.		
20) Phenanthrene	10.337	178	772	N.D.		
21) Anthracene	10.390	178	117	N.D.		
22) Carbazole	10.564	167	191	N.D.		
23) 1-Methylphenanthrene	10.955	192	230	N.D.		
24) Fluoranthene	11.538	202	440	N.D.		
26) Pyrene	11.765	202	418	N.D.		
28) Benz(a)anthracene	13.368	228	665	N.D.		
29) Chrysene	13.409	228	233	N.D.		
31) Benzo(b)fluoranthene	15.705	252	260	N.D.		
32) Benzo(k)fluoranthene	15.764	252	157	N.D.		

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052116.D
Acq On : 05 Jan 2021 09:55 pm
Operator : JK/ AMS/ DTH
Sample : 1012490-BLK1
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 06 12:48:14 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

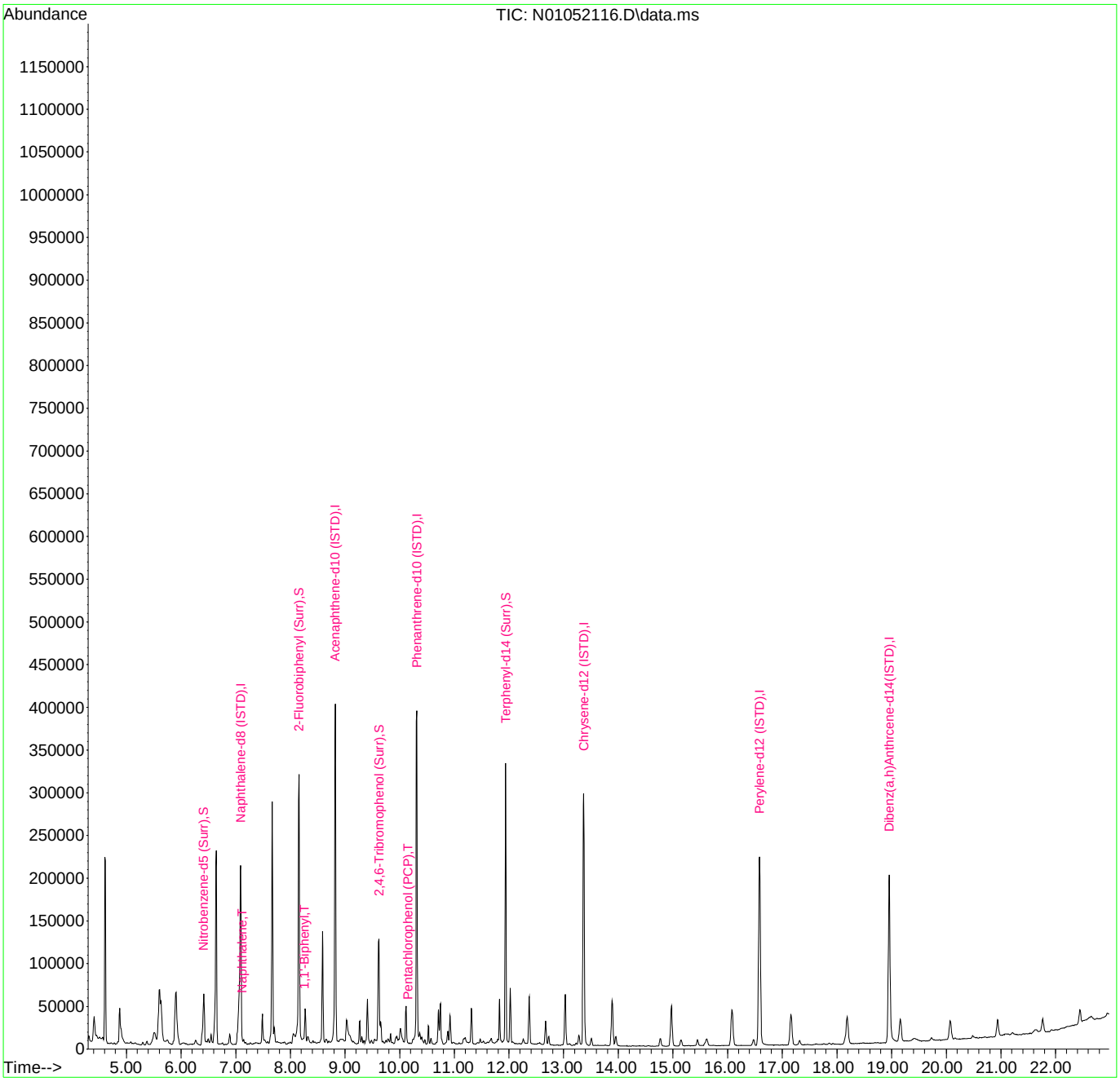
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	15.705	252	431	N.D.		
34) Benzo(e)pyrene	16.329	252	174	N.D.		
35) Benzo(a)pyrene	16.451	252	157	N.D.		
36) Perylene	16.585	252	738	N.D.		
38) Indeno(1,2,3-cd)Pyrene	18.952	276	240	N.D.		
39) Dibenz(a,h)anthracene	19.028	278	57	N.D.		
40) Benzo(g,h,i)perylene	19.488	276	227	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052116.D
Acq On : 05 Jan 2021 09:55 pm
Operator : JK/ AMS/ DTH
Sample : 1012490-BLK1
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 06 12:48:14 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

AMS 1/6/21

Data Path : U:\data\2021-01\1A05060\
Data File : N01052117.D
Acq On : 05 Jan 2021 10:25 pm
Operator : JK/ AMS/ DTH
Sample : 1012490-BS1
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 06 12:49:24 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.091	136	188263	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	8.822	162	126494	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.314	188	250259	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	13.368	240	258804	100.00	ng/ml	0.00
30) Perylene-d12 (ISTD)	16.585	264	272504	100.00	ng/ml	0.00
37) Dibenz(a,h)Anthrcene-d...	18.958	292	263808	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	6.414	82	33154	62.86	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.157	172	127328	70.40	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	9.620	330	32382	102.55	ng/ml	0.00
27) Terphenyl-d14 (Surr)	11.940	244	219942	88.39	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	6.560	138	3611	32.31	ng/ml	88
4) Naphthalene	7.108	128	53307	27.46	ng/ml	99
5) 2-Methylnaphthalene	7.790	142	42175	30.04	ng/ml	97
6) 1-Methylnaphthalene	7.883	142	40453	28.80	ng/ml	97
7) 1,1'-Biphenyl	8.250	154	55352	30.98	ng/ml	95
8) 2,6-Dimethylnaphthalene	8.408	156	40374	30.84	ng/ml	97
11) Acenaphthylene	8.676	152	63454	29.93	ng/ml	99
12) Acenaphthene	8.851	153	44923	29.00	ng/ml	100
13) Dibenzofuran	9.026	168	63297	32.50	ng/ml	93
14) 1,6,7-Trimethylnaphtha...	9.241	170	40890	29.11	ng/ml	99
15) Fluorene	9.370	166	50967	32.31	ng/ml	100
18) Pentachlorophenol (PCP)	10.145	266	19293	134.66	ng/ml	98
19) Dibenzothiopene	10.203	184	74972	30.85	ng/ml	93
20) Phenanthrene	10.331	178	80862	29.85	ng/ml	99
21) Anthracene	10.384	178	75548	34.05	ng/ml	99
22) Carbazole	10.559	167	70724	42.89	ng/ml	99
23) 1-Methylphenanthrene	10.955	192	64426	33.08	ng/ml	97
24) Fluoranthene	11.538	202	101264	36.04	ng/ml	94
26) Pyrene	11.759	202	104228	30.08	ng/ml	99
28) Benz(a)anthracene	13.351	228	96668	37.36	ng/ml	100
29) Chrysene	13.409	228	97065	36.31	ng/ml	100
31) Benzo(b)fluoranthene	15.699	252	101136	36.60	ng/ml	91
32) Benzo(k)fluoranthene	15.764	252	97961	37.58	ng/ml	90

Quantitation Report (QT Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052117.D
Acq On : 05 Jan 2021 10:25 pm
Operator : JK/ AMS/ DTH
Sample : 1012490-BS1
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 06 12:49:24 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

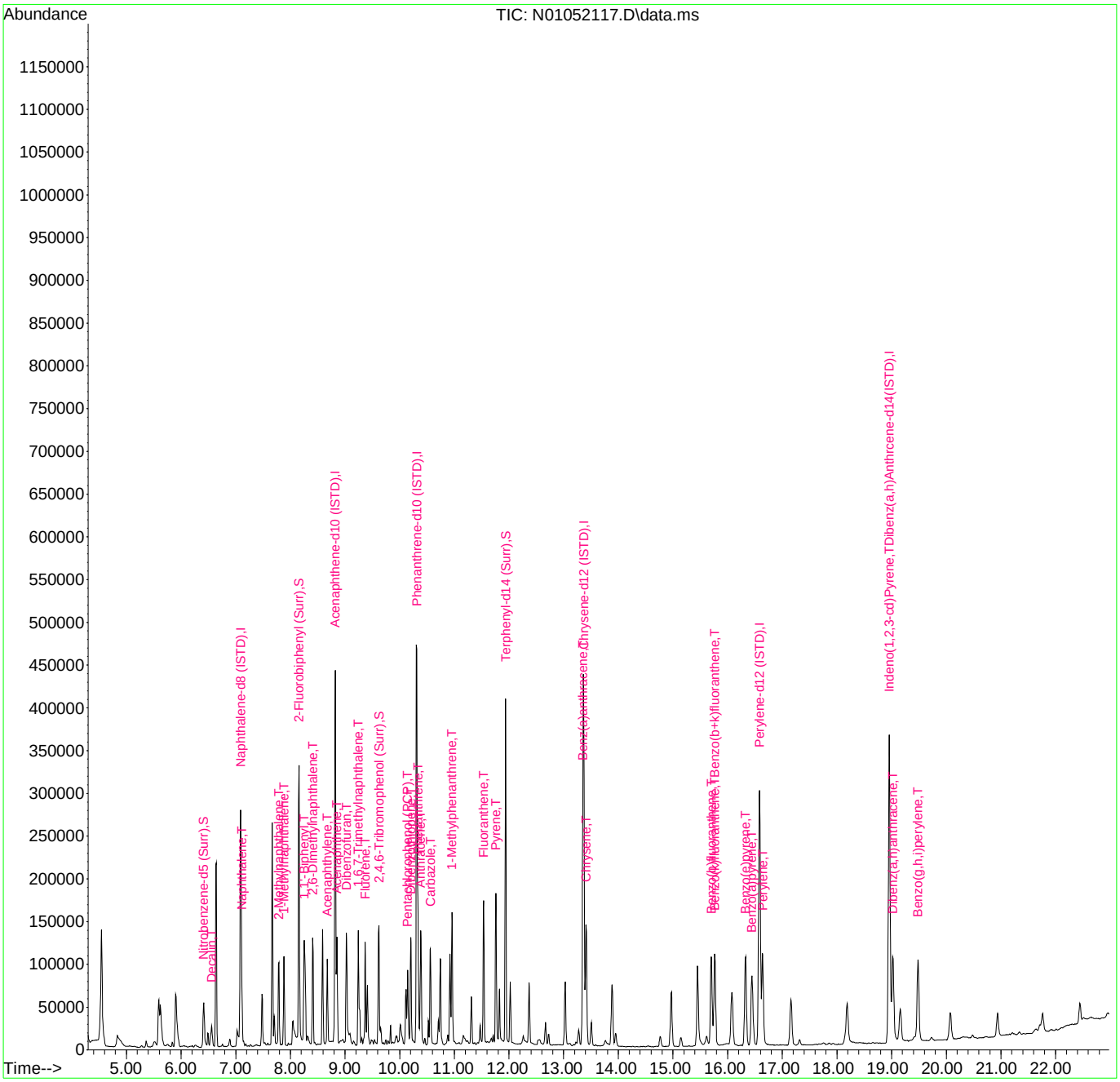
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	15.764	252	203953	72.53	ng/ml	90
34) Benzo(e)pyrene	16.329	252	96925	35.27	ng/ml	97
35) Benzo(a)pyrene	16.446	252	75468	37.67	ng/ml	95
36) Perylene	16.638	252	100233	33.70	ng/ml	99
38) Indeno(1,2,3-cd)Pyrene	18.958	276	94492	33.28	ng/ml	74
39) Dibenz(a,h)anthracene	19.022	278	89197	31.95	ng/ml	77
40) Benzo(g,h,i)perylene	19.482	276	95427	33.06	ng/ml	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052117.D
Acq On : 05 Jan 2021 10:25 pm
Operator : JK/ AMS/ DTH
Sample : 1012490-BS1
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 06 12:49:24 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052117.D
Acq On : 05 Jan 2021 10:25 pm
Operator : JK/ AMS/ DTH
Sample : 1012490-BS1
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 06 12:49:24 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.091	136	188263	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	8.822	162	126494	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.314	188	250259	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	13.368	240	258804	100.00	ng/ml	0.00
30) Perylene-d12 (ISTD)	16.585	264	272504	100.00	ng/ml	0.00
37) Dibenz(a,h)Anthrcene-d...	18.958	292	263808	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	6.414	82	33154	62.86	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.157	172	127328	70.40	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	9.620	330	32382	102.55	ng/ml	0.00
27) Terphenyl-d14 (Surr)	11.940	244	219942	88.39	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	6.560	138	3611	32.31	ng/ml	88
4) Naphthalene	7.108	128	53307	27.46	ng/ml	99
5) 2-Methylnaphthalene	7.790	142	42175	30.04	ng/ml	97
6) 1-Methylnaphthalene	7.883	142	40453	28.80	ng/ml	97
7) 1,1'-Biphenyl	8.250	154	55352	30.98	ng/ml	95
8) 2,6-Dimethylnaphthalene	8.408	156	40374	30.84	ng/ml	97
11) Acenaphthylene	8.676	152	63454	29.93	ng/ml	99
12) Acenaphthene	8.851	153	44923	29.00	ng/ml	100
13) Dibenzofuran	9.026	168	63297	32.50	ng/ml	93
14) 1,6,7-Trimethylnaphtha...	9.241	170	40890	29.11	ng/ml	99
15) Fluorene	9.370	166	50967	32.31	ng/ml	100
18) Pentachlorophenol (PCP)	10.145	266	19293	134.66	ng/ml	98
19) Dibenzothiopene	10.203	184	74972	30.85	ng/ml	93
20) Phenanthrene	10.331	178	80862	29.85	ng/ml	99
21) Anthracene	10.384	178	75548	34.05	ng/ml	99
22) Carbazole	10.559	167	70724	42.89	ng/ml	99
23) 1-Methylphenanthrene	10.955	192	64426	33.08	ng/ml	97
24) Fluoranthene	11.538	202	101264	36.04	ng/ml	94
26) Pyrene	11.759	202	104228	30.08	ng/ml	99
28) Benz(a)anthracene	13.351	228	96668	37.36	ng/ml	100
29) Chrysene	13.409	228	97065	36.31	ng/ml	100
31) Benzo(b)fluoranthene	15.699	252	101136	36.60	ng/ml	91
32) Benzo(k)fluoranthene	15.764	252	97961	37.58	ng/ml	90

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052117.D
Acq On : 05 Jan 2021 10:25 pm
Operator : JK/ AMS/ DTH
Sample : 1012490-BS1
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 06 12:49:24 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

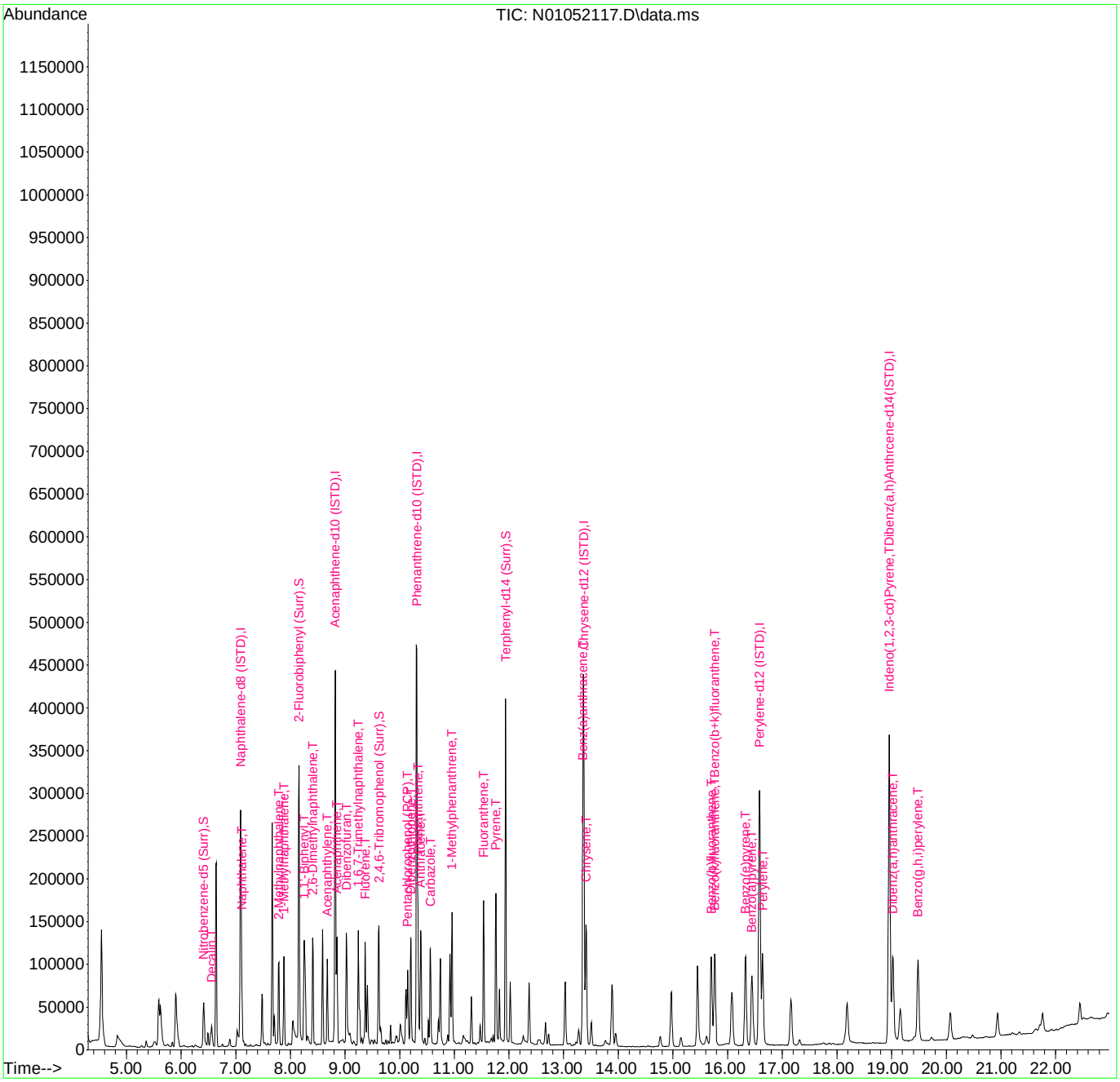
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	15.764	252	203953	72.53	ng/ml	90
34) Benzo(e)pyrene	16.329	252	96925	35.27	ng/ml	97
35) Benzo(a)pyrene	16.446	252	75468	37.67	ng/ml	95
36) Perylene	16.638	252	100233	33.70	ng/ml	99
38) Indeno(1,2,3-cd)Pyrene	18.958	276	94492	33.28	ng/ml	74
39) Dibenz(a,h)anthracene	19.022	278	89197	31.95	ng/ml	77
40) Benzo(g,h,i)perylene	19.482	276	95427	33.06	ng/ml	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052117.D
Acq On : 05 Jan 2021 10:25 pm
Operator : JK/ AMS/ DTH
Sample : 1012490-BS1
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 06 12:49:24 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

AMS 1/6/21

Data Path : U:\data\2021-01\1A05060\
Data File : N01052118.D
Acq On : 05 Jan 2021 10:57 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-01
Misc : 1x, 8270E LL PAH ONLY (QC SOURCE)
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 06 12:53:20 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.090	136	185717	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	8.822	162	122658	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.314	188	222700	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	13.368	240	220118	100.00	ng/ml	0.00
30) Perylene-d12 (ISTD)	16.591	264	235649	100.00	ng/ml	0.00
37) Dibenz(a,h)Anthrcene-d...	18.963	292	207075	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	6.414	82	40845	78.51	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.157	172	147874	84.32	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	9.620	330	36560	128.84	ng/ml	0.00
27) Terphenyl-d14 (Surr)	11.940	244	188581	89.11	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	6.560	138	591	5.36	ng/ml#	1
4) Naphthalene	7.108	128	21757	11.36	ng/ml	84
5) 2-Methylnaphthalene	7.790	142	5395	3.90	ng/ml	92
6) 1-Methylnaphthalene	7.883	142	3227	2.33	ng/ml#	83
7) 1,1'-Biphenyl	8.250	154	3357	1.90	ng/ml	79
8) 2,6-Dimethylnaphthalene	8.414	156	3359	2.60	ng/ml	99
11) Acenaphthylene	8.676	152	5461	2.66	ng/ml	75
12) Acenaphthene	8.851	153	25470	16.95	ng/ml	99
13) Dibenzofuran	9.026	168	2410	1.28	ng/ml#	1
14) 1,6,7-Trimethylnaphtha...	9.247	170	2385	1.75	ng/ml	89
15) Fluorene	9.369	166	3955	2.59	ng/ml	90
18) Pentachlorophenol (PCP)	10.151	266	1730	24.29	ng/ml	91
19) Dibenzothiopene	10.203	184	8024	3.71	ng/ml	87
20) Phenanthrene	10.337	178	74069	30.73	ng/ml	98
21) Anthracene	10.390	178	5613	2.84	ng/ml	81
22) Carbazole	10.564	167	907	0.62	ng/ml#	19
23) 1-Methylphenanthrene	10.955	192	3584	2.07	ng/ml	83
24) Fluoranthene	11.538	202	58384	23.35	ng/ml	94
26) Pyrene	11.765	202	78489	26.63	ng/ml	99
28) Benz(a)anthracene	13.350	228	17531	7.97	ng/ml	66
29) Chrysene	13.415	228	22484	9.89	ng/ml	93
31) Benzo(b)fluoranthene	15.711	252	25932	10.85	ng/ml	89
32) Benzo(k)fluoranthene	15.769	252	7779m	3.45	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052118.D
Acq On : 05 Jan 2021 10:57 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-01
Misc : 1x, 8270E LL PAH ONLY (QC SOURCE)
ALS Vial : 6 Sample Multiplier: 1

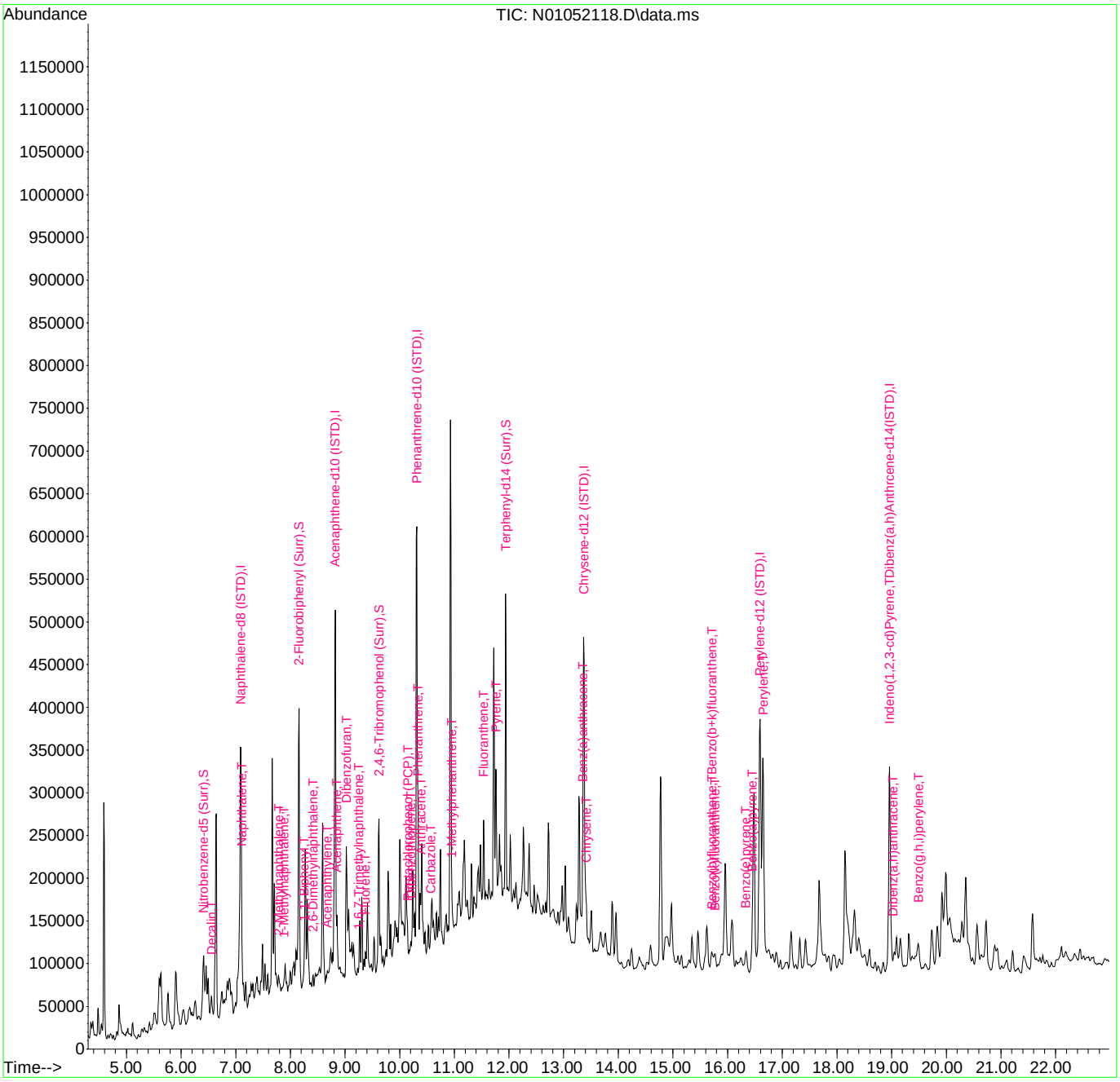
Quant Time: Jan 06 12:53:20 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	15.711	252	35370	14.54	ng/ml	88
34) Benzo(e)pyrene	16.335	252	17062	7.18	ng/ml	100
35) Benzo(a)pyrene	16.451	252	20392	11.77	ng/ml	88
36) Perylene	16.649	252	192886	74.99	ng/ml	100
38) Indeno(1,2,3-cd)Pyrene	18.963	276	17161	7.70	ng/ml	81
39) Dibenz(a,h)anthracene	19.028	278	2453	1.12	ng/ml	73
40) Benzo(g,h,i)perylene	19.494	276	22534	9.94	ng/ml	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : U:\data\2021-01\1A05060\
Data File : N01052118.D
Acq On : 05 Jan 2021 10:57 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-01
Misc : 1x, 8270E LL PAH ONLY (QC SOURCE)
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 06 12:53:20 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052118.D
Acq On : 05 Jan 2021 10:57 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-01
Misc : 1x, 8270E LL PAH ONLY (QC SOURCE)
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 06 12:50:26 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.090	136	185717	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	8.822	162	122658	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.314	188	222700	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	13.368	240	220118	100.00	ng/ml	0.00
30) Perylene-d12 (ISTD)	16.591	264	235649	100.00	ng/ml	0.00
37) Dibenz(a,h)Anthrcene-d...	18.963	292	207075	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	6.414	82	40845	78.51	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.157	172	147874	84.32	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	9.620	330	36560	128.84	ng/ml	0.00
27) Terphenyl-d14 (Surr)	11.940	244	188581	89.11	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	6.560	138	591	5.36	ng/ml#	1
4) Naphthalene	7.108	128	21757	11.36	ng/ml	84
5) 2-Methylnaphthalene	7.790	142	5395	3.90	ng/ml	92
6) 1-Methylnaphthalene	7.883	142	3227	2.33	ng/ml#	83
7) 1,1'-Biphenyl	8.250	154	3357	1.90	ng/ml	79
8) 2,6-Dimethylnaphthalene	8.414	156	3359	2.60	ng/ml	99
11) Acenaphthylene	8.676	152	5461	2.66	ng/ml	75
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13) Dibenzofuran	9.026	168	2410	1.28	ng/ml#	1
14) 1,6,7-Trimethylnaphtha...	9.247	170	2385	1.75	ng/ml	89
15) Fluorene	9.369	166	3955	2.59	ng/ml	90
18) Pentachlorophenol (PCP)	10.151	266	1730	24.29	ng/ml	91
19) Dibenzothiopene	10.203	184	8024	3.71	ng/ml	87
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22) Carbazole	10.564	167	907	0.62	ng/ml#	19
23) 1-Methylphenanthrene	10.955	192	3584	2.07	ng/ml	83
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28) Benz(a)anthracene	13.350	228	17531	7.97	ng/ml	66
29) Chrysene	13.415	228	22484	9.89	ng/ml	93
31) Benzo(b)fluoranthene	15.711	252	25932	10.85	ng/ml	89
32) Benzo(k)fluoranthene	15.711	252	32138	14.26	ng/ml	88

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052118.D
Acq On : 05 Jan 2021 10:57 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-01
Misc : 1x, 8270E LL PAH ONLY (QC SOURCE)
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 06 12:50:26 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

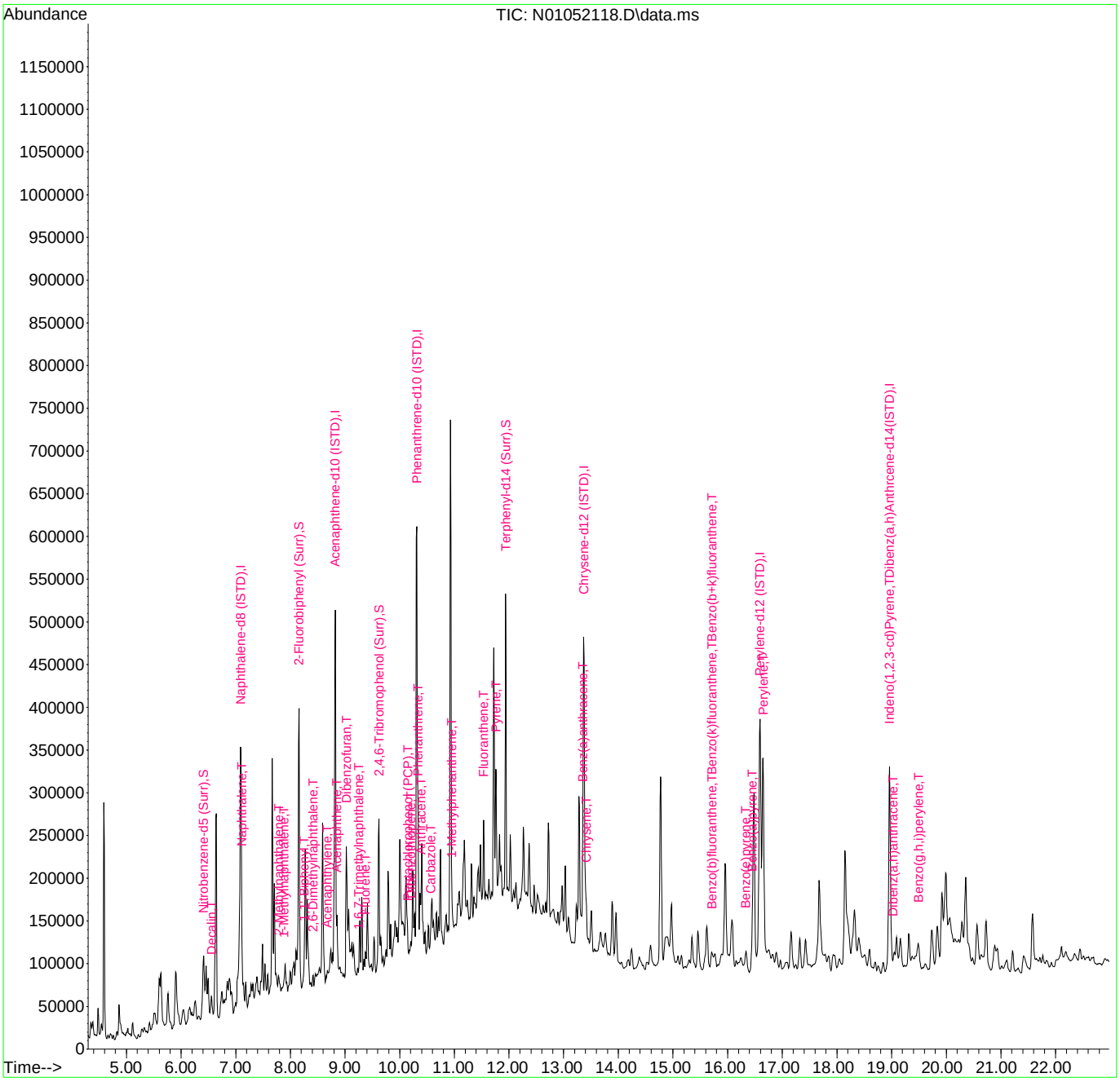
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	15.711	252	35370	14.54	ng/ml	88
34) Benzo(e)pyrene	16.335	252	17062	7.18	ng/ml	100
35) Benzo(a)pyrene	16.451	252	20392	11.77	ng/ml	88
36) Perylene	16.649	252	192886	74.99	ng/ml	100
38) Indeno(1,2,3-cd)Pyrene	18.963	276	17161	7.70	ng/ml	81
39) Dibenz(a,h)anthracene	19.028	278	2453	1.12	ng/ml	73
40) Benzo(g,h,i)perylene	19.494	276	22534	9.94	ng/ml	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052118.D
Acq On : 05 Jan 2021 10:57 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-01
Misc : 1x, 8270E LL PAH ONLY (QC SOURCE)
ALS Vial : 6 Sample Multiplier: 1

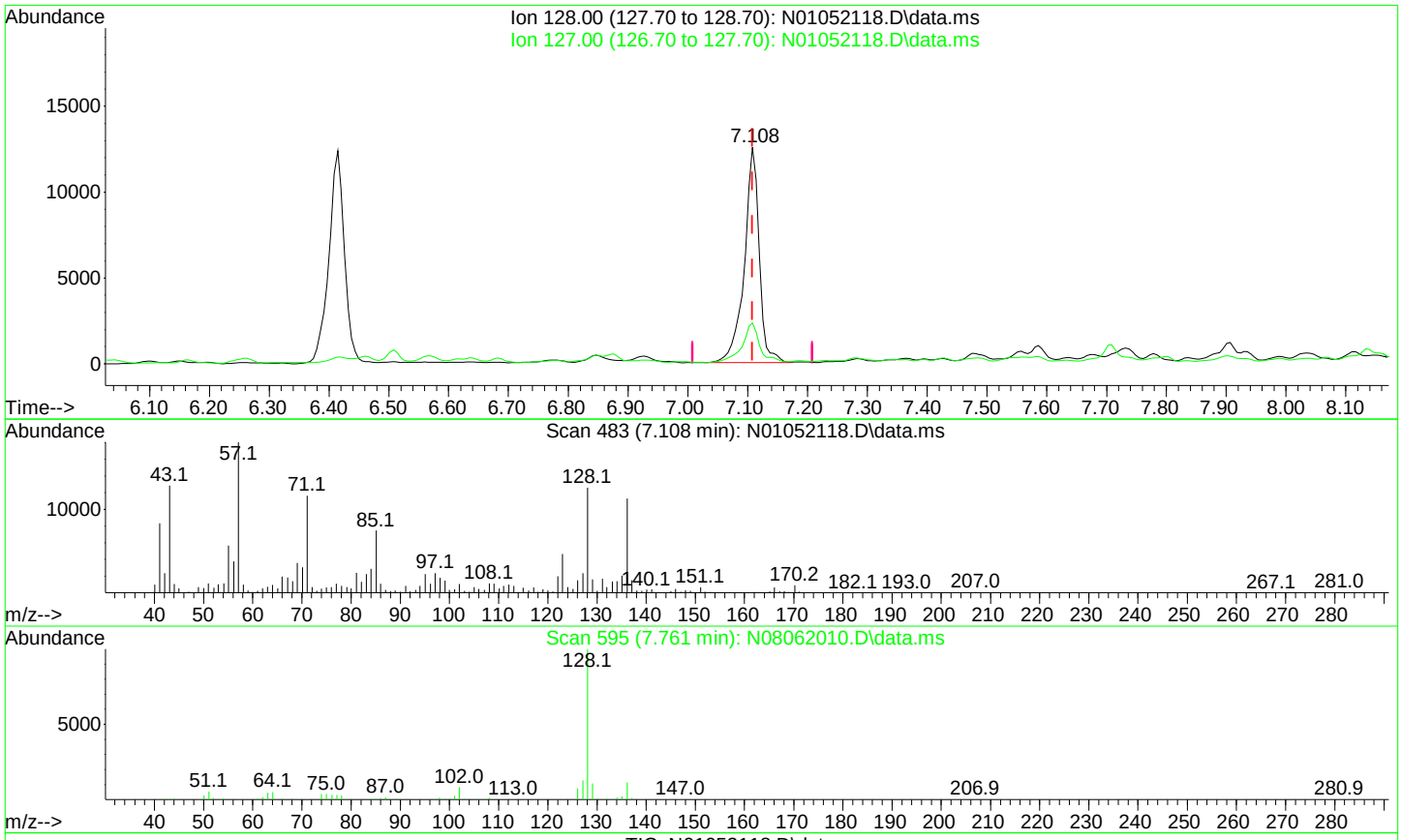
Quant Time: Jan 06 12:50:26 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052118.D
Acq On : 05 Jan 2021 10:57 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-01
Misc : 1x, 8270E LL PAH ONLY (QC SOURCE)
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 06 12:50:26 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01052118.D\data.ms

(4) Naphthalene (T)

7.108min (+ 0.000) 11.36 ng/ml

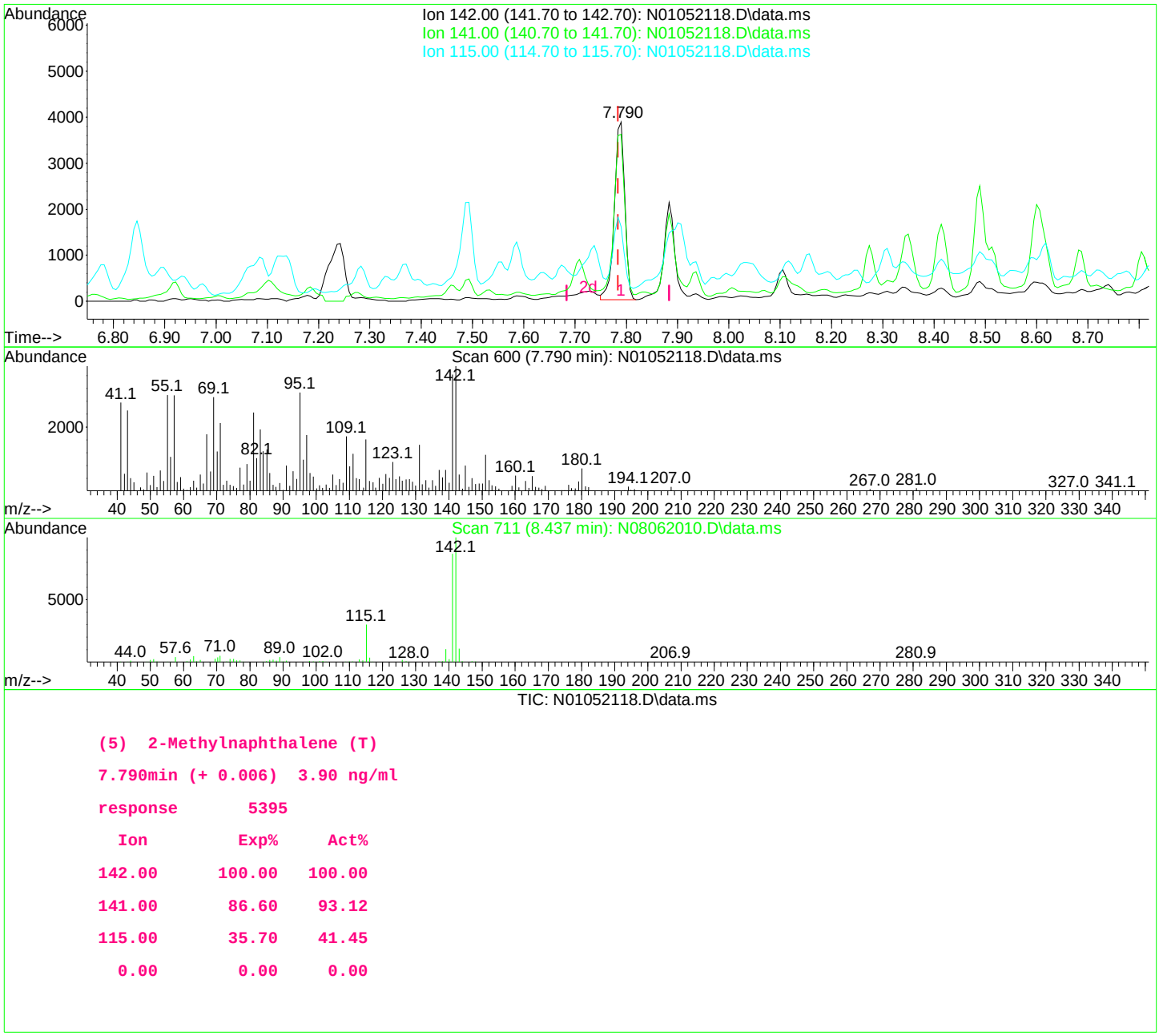
response 21757

Ion	Exp%	Act%
128.00	100.00	100.00
127.00	12.60	18.88
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052118.D
Acq On : 05 Jan 2021 10:57 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-01
Misc : 1x, 8270E LL PAH ONLY (QC SOURCE)
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 06 12:50:26 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01052118.D\data.ms

(5) 2-Methylnaphthalene (T)

7.790min (+ 0.006) 3.90 ng/ml

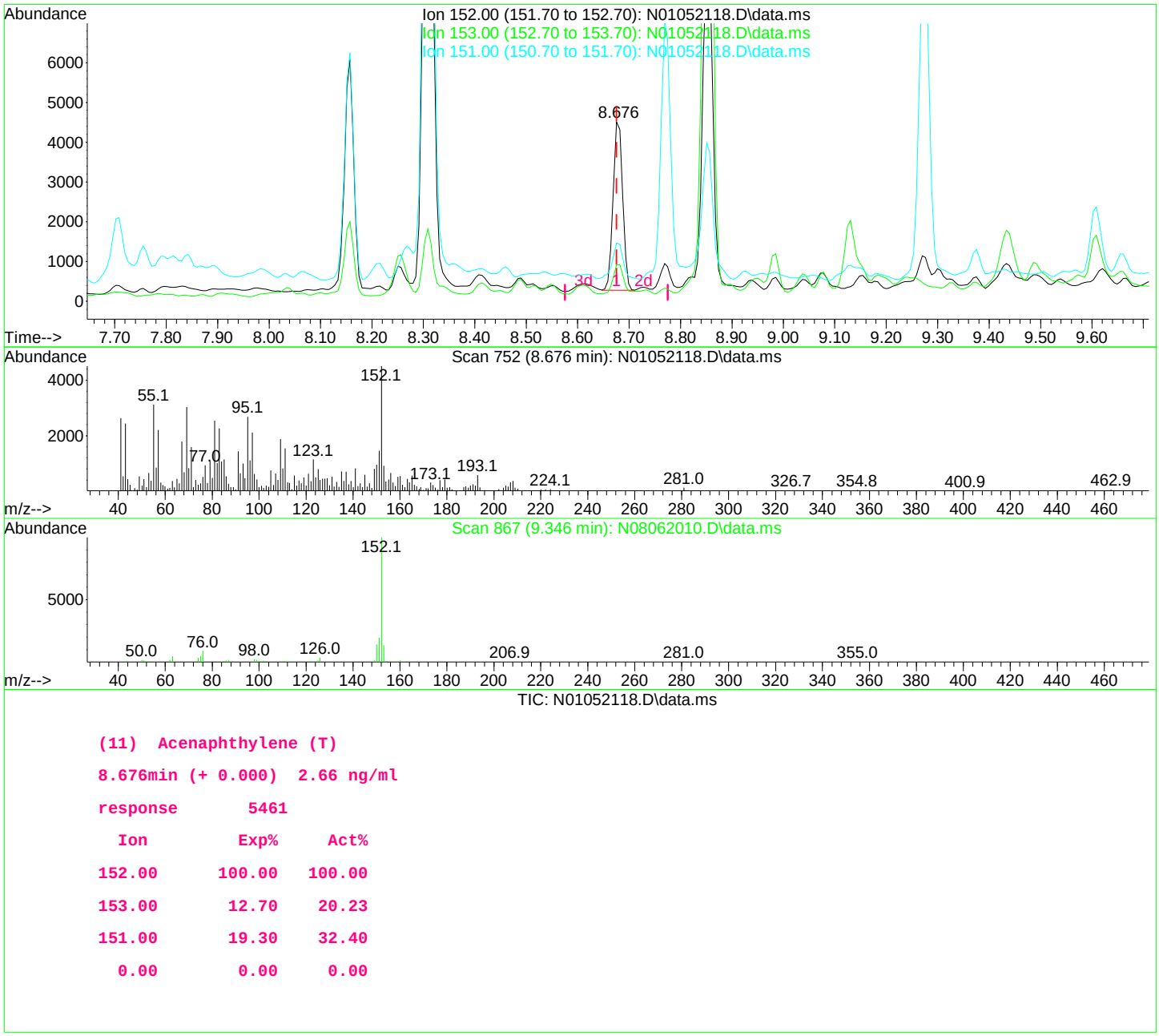
response 5395

Ion	Exp%	Act%
142.00	100.00	100.00
141.00	86.60	93.12
115.00	35.70	41.45
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052118.D
Acq On : 05 Jan 2021 10:57 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-01
Misc : 1x, 8270E LL PAH ONLY (QC SOURCE)
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 06 12:50:26 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01052118.D\data.ms

(11) Acenaphthylene (T)

8.676min (+ 0.000) 2.66 ng/ml

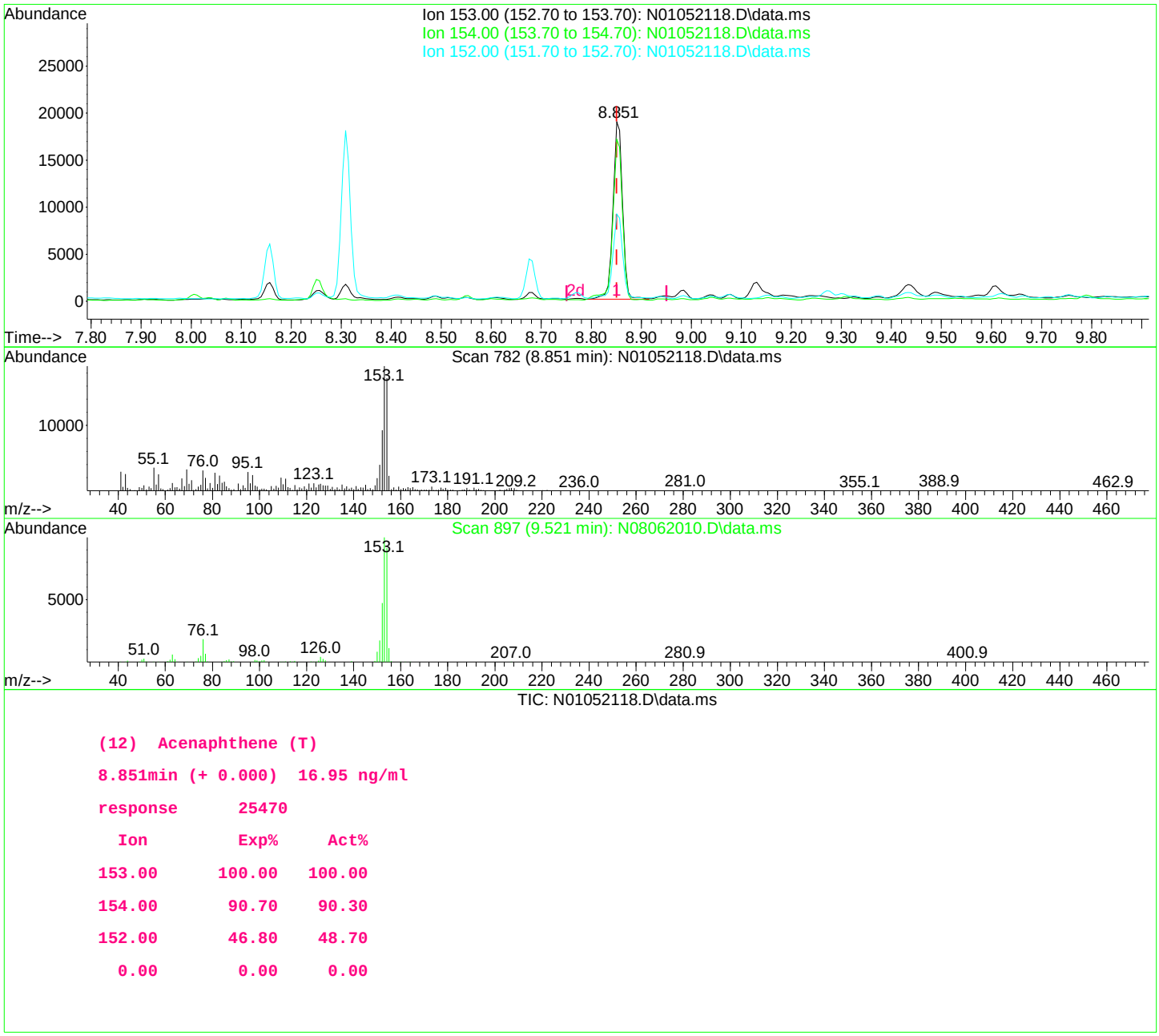
response 5461

Ion	Exp%	Act%
152.00	100.00	100.00
153.00	12.70	20.23
151.00	19.30	32.40
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052118.D
Acq On : 05 Jan 2021 10:57 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-01
Misc : 1x, 8270E LL PAH ONLY (QC SOURCE)
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 06 12:50:26 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01052118.D\data.ms

(12) Acenaphthene (T)

8.851min (+ 0.000) 16.95 ng/ml

response 25470

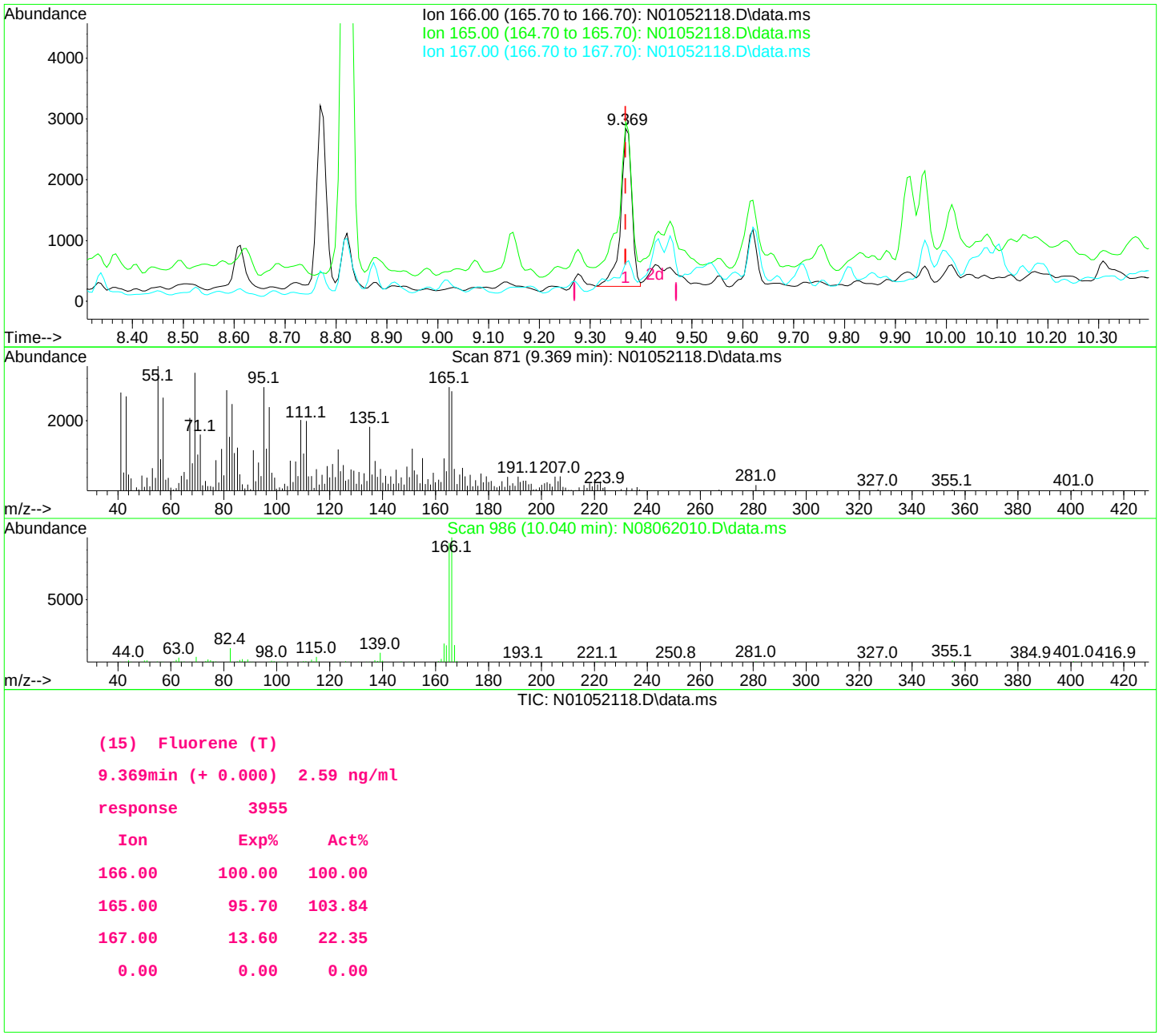
Ion	Exp%	Act%
153.00	100.00	100.00
154.00	90.70	90.30
152.00	46.80	48.70
0.00	0.00	0.00

SV14_080720RD.M Wed Jan 06 12:52:03 2021 Page: 1

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052118.D
Acq On : 05 Jan 2021 10:57 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-01
Misc : 1x, 8270E LL PAH ONLY (QC SOURCE)
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 06 12:50:26 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01052118.D\data.ms

(15) Fluorene (T)

9.369min (+ 0.000) 2.59 ng/ml

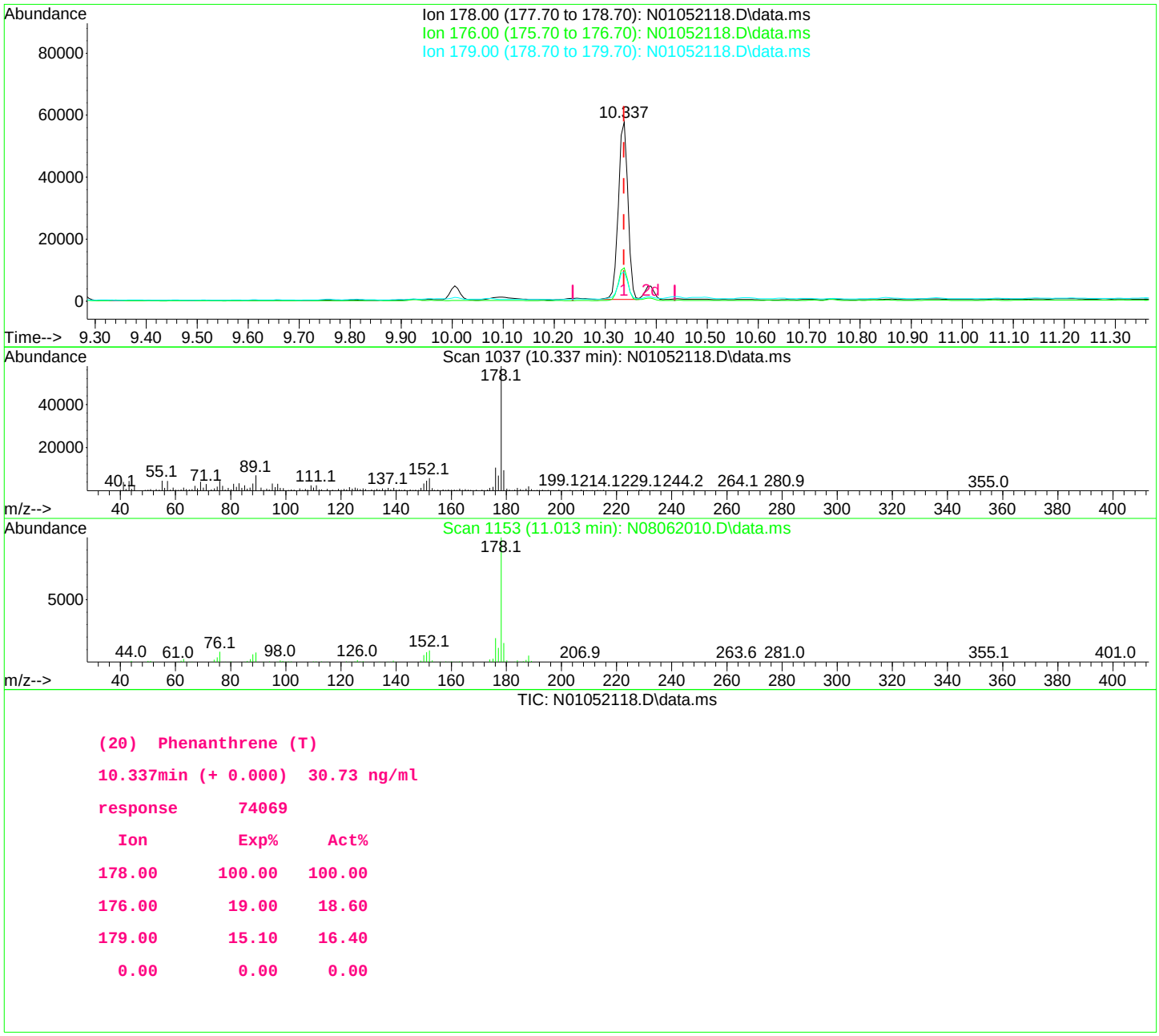
response 3955

Ion	Exp%	Act%
166.00	100.00	100.00
165.00	95.70	103.84
167.00	13.60	22.35
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052118.D
Acq On : 05 Jan 2021 10:57 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-01
Misc : 1x, 8270E LL PAH ONLY (QC SOURCE)
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 06 12:50:26 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01052118.D\data.ms

(20) Phenanthrene (T)

10.337min (+ 0.000) 30.73 ng/ml

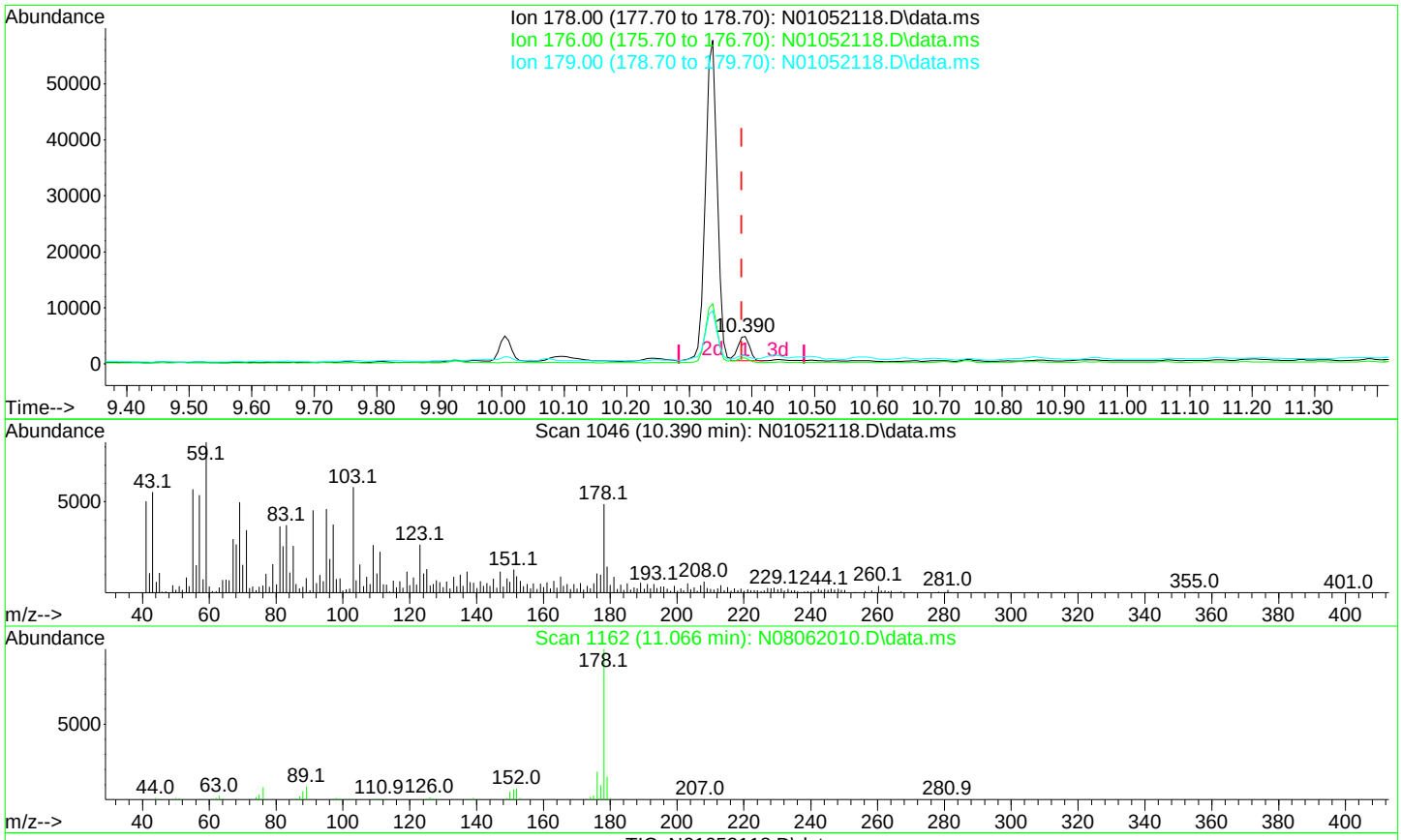
response 74069

Ion	Exp%	Act%
178.00	100.00	100.00
176.00	19.00	18.60
179.00	15.10	16.40
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052118.D
Acq On : 05 Jan 2021 10:57 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-01
Misc : 1x, 8270E LL PAH ONLY (QC SOURCE)
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 06 12:50:26 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01052118.D\data.ms

(21) Anthracene (T)

10.390min (+ 0.006) 2.84 ng/ml

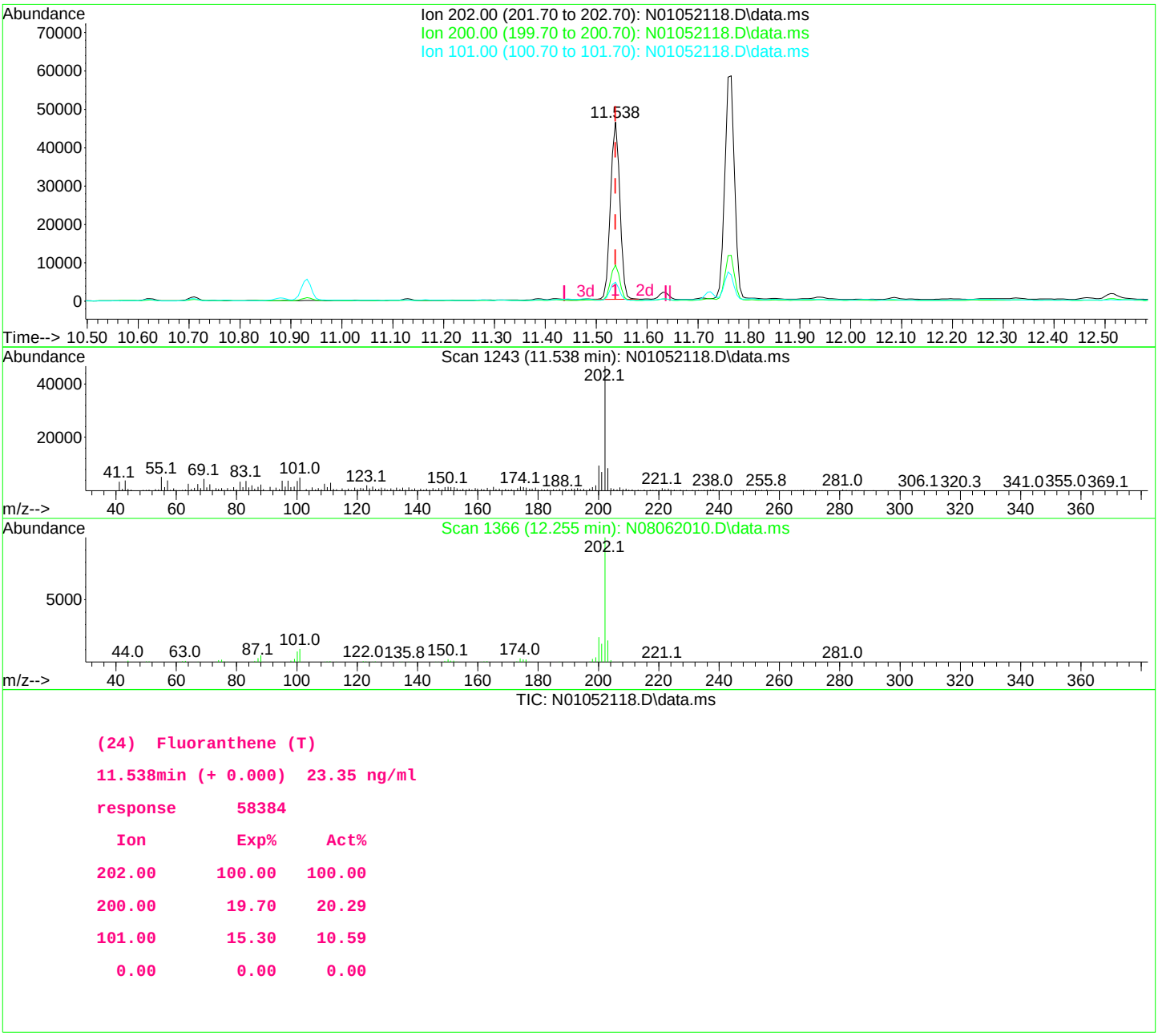
response 5613

Ion	Exp%	Act%
178.00	100.00	100.00
176.00	18.90	21.93
179.00	15.30	29.64
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052118.D
Acq On : 05 Jan 2021 10:57 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-01
Misc : 1x, 8270E LL PAH ONLY (QC SOURCE)
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 06 12:50:26 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01052118.D\data.ms

(24) Fluoranthene (T)

11.538min (+ 0.000) 23.35 ng/ml

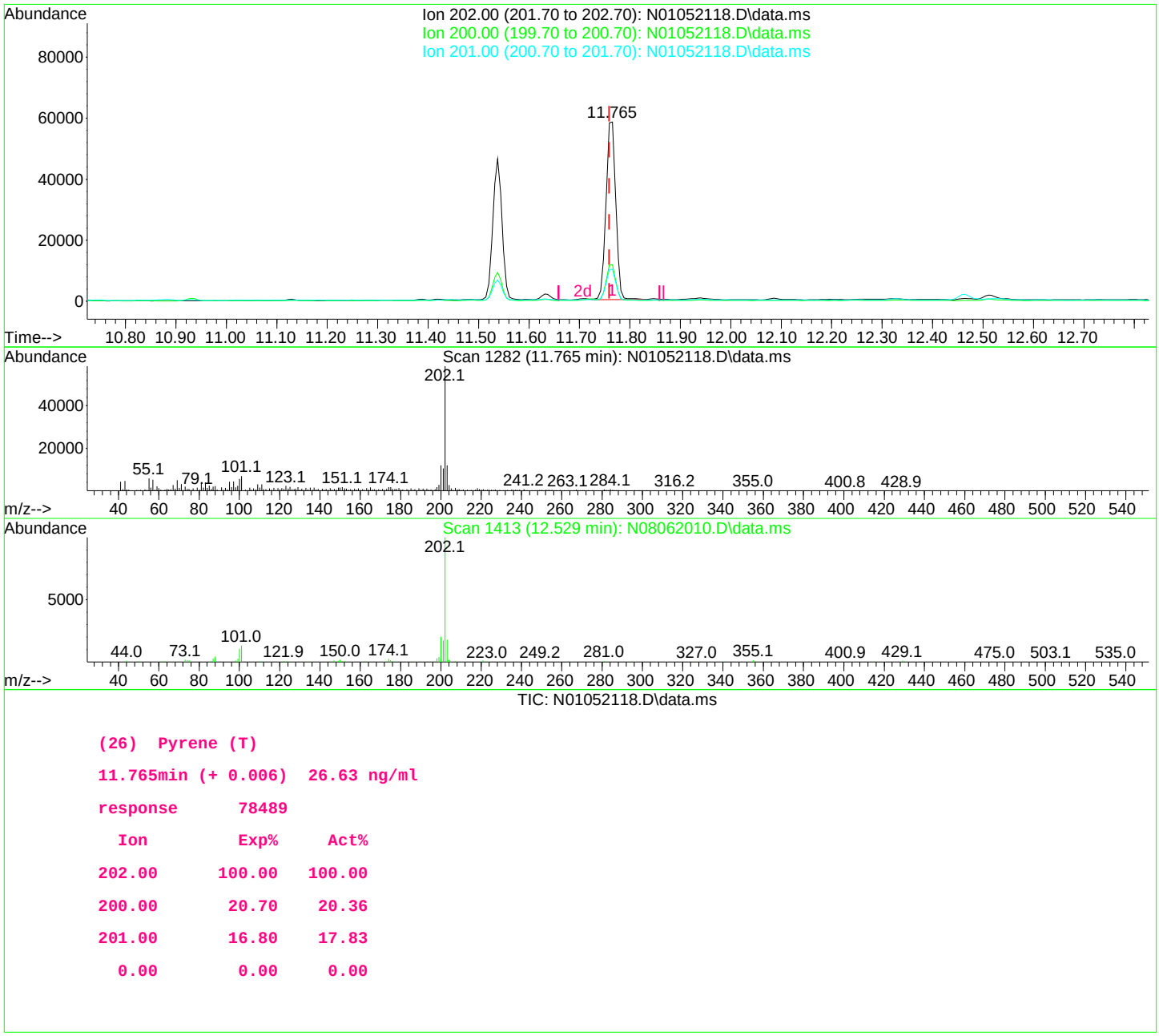
response 58384

Ion	Exp%	Act%
202.00	100.00	100.00
200.00	19.70	20.29
101.00	15.30	10.59
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052118.D
Acq On : 05 Jan 2021 10:57 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-01
Misc : 1x, 8270E LL PAH ONLY (QC SOURCE)
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 06 12:50:26 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01052118.D\data.ms

(26) Pyrene (T)

11.765min (+ 0.006) 26.63 ng/ml

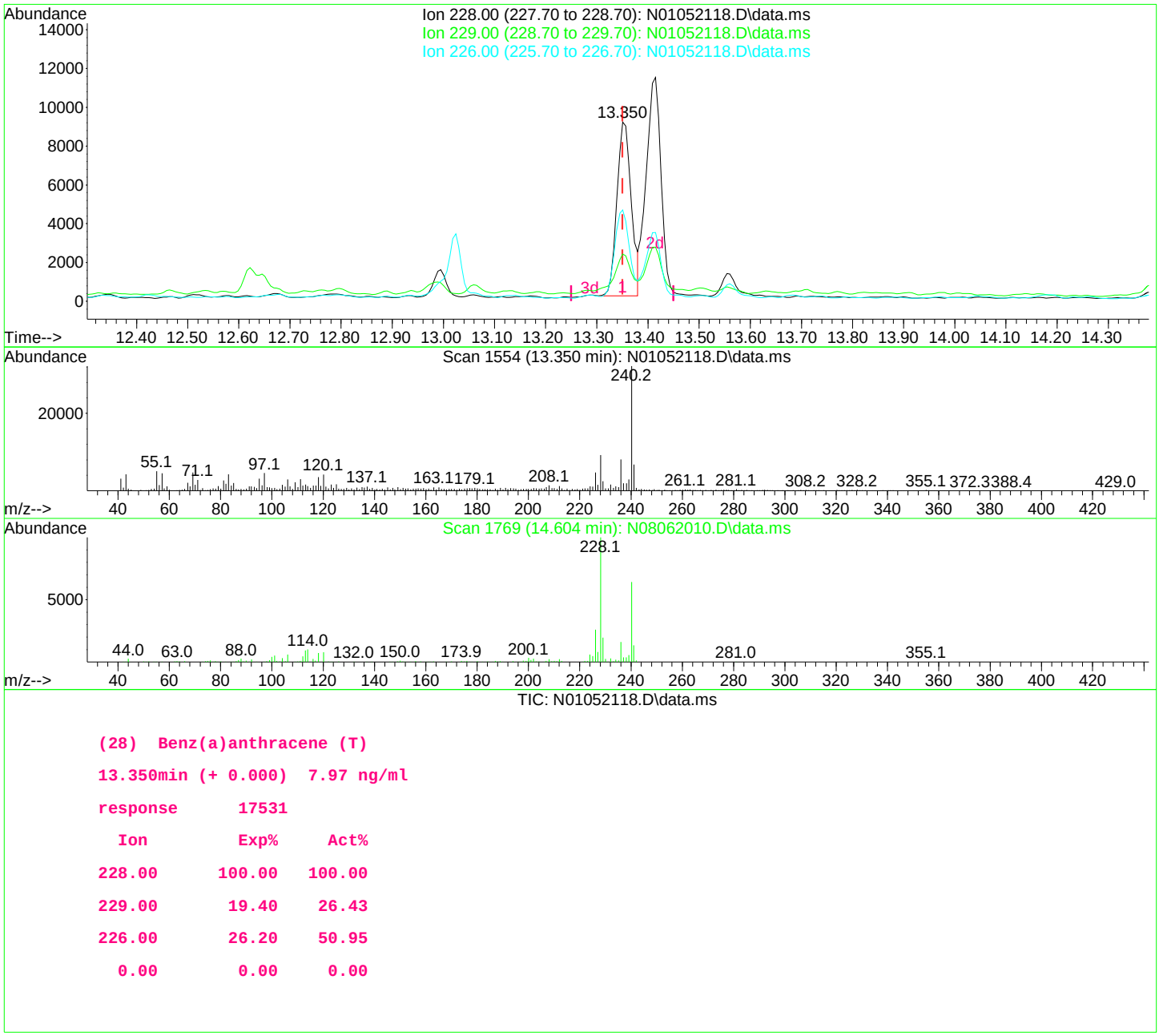
response 78489

Ion	Exp%	Act%
202.00	100.00	100.00
200.00	20.70	20.36
201.00	16.80	17.83
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052118.D
Acq On : 05 Jan 2021 10:57 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-01
Misc : 1x, 8270E LL PAH ONLY (QC SOURCE)
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 06 12:50:26 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01052118.D\data.ms

(28) Benz(a)anthracene (T)

13.350min (+ 0.000) 7.97 ng/ml

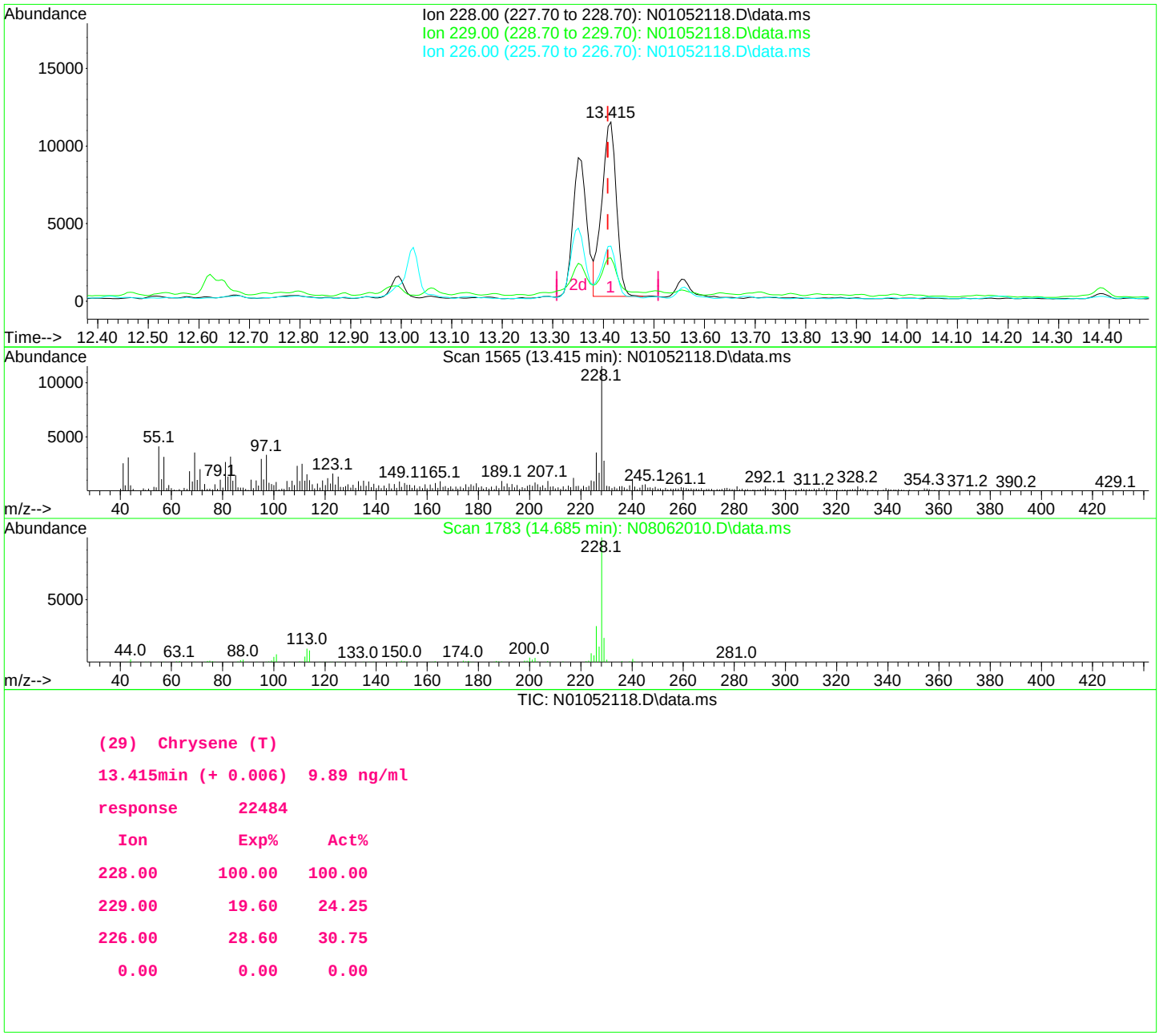
response 17531

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.40	26.43
226.00	26.20	50.95
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052118.D
Acq On : 05 Jan 2021 10:57 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-01
Misc : 1x, 8270E LL PAH ONLY (QC SOURCE)
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 06 12:50:26 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01052118.D\data.ms

(29) Chrysene (T)

13.415min (+ 0.006) 9.89 ng/ml

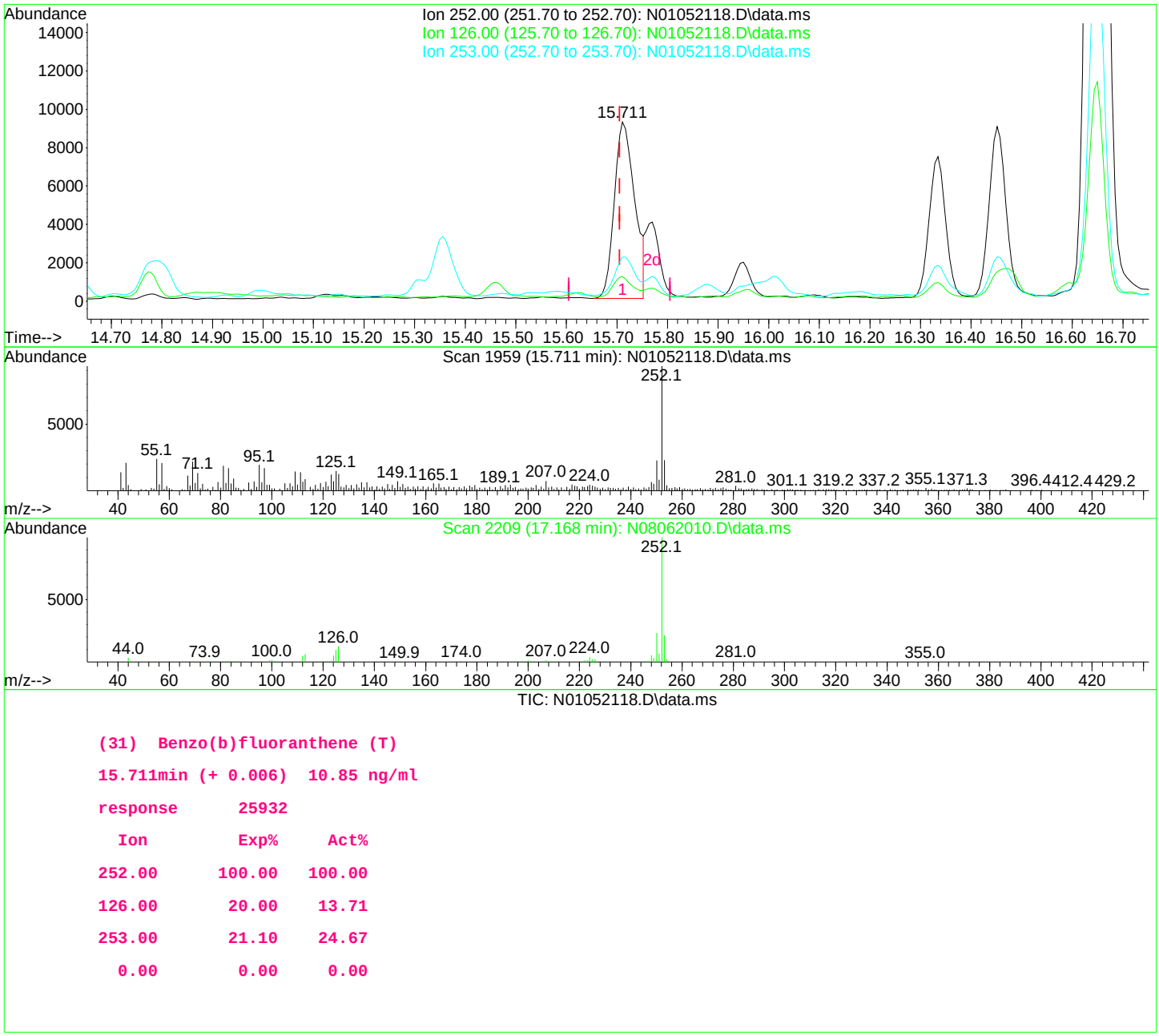
response 22484

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.60	24.25
226.00	28.60	30.75
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052118.D
Acq On : 05 Jan 2021 10:57 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-01
Misc : 1x, 8270E LL PAH ONLY (QC SOURCE)
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 06 12:50:26 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01052118.D\data.ms

(31) Benzo(b)fluoranthene (T)

15.711min (+ 0.006) 10.85 ng/ml

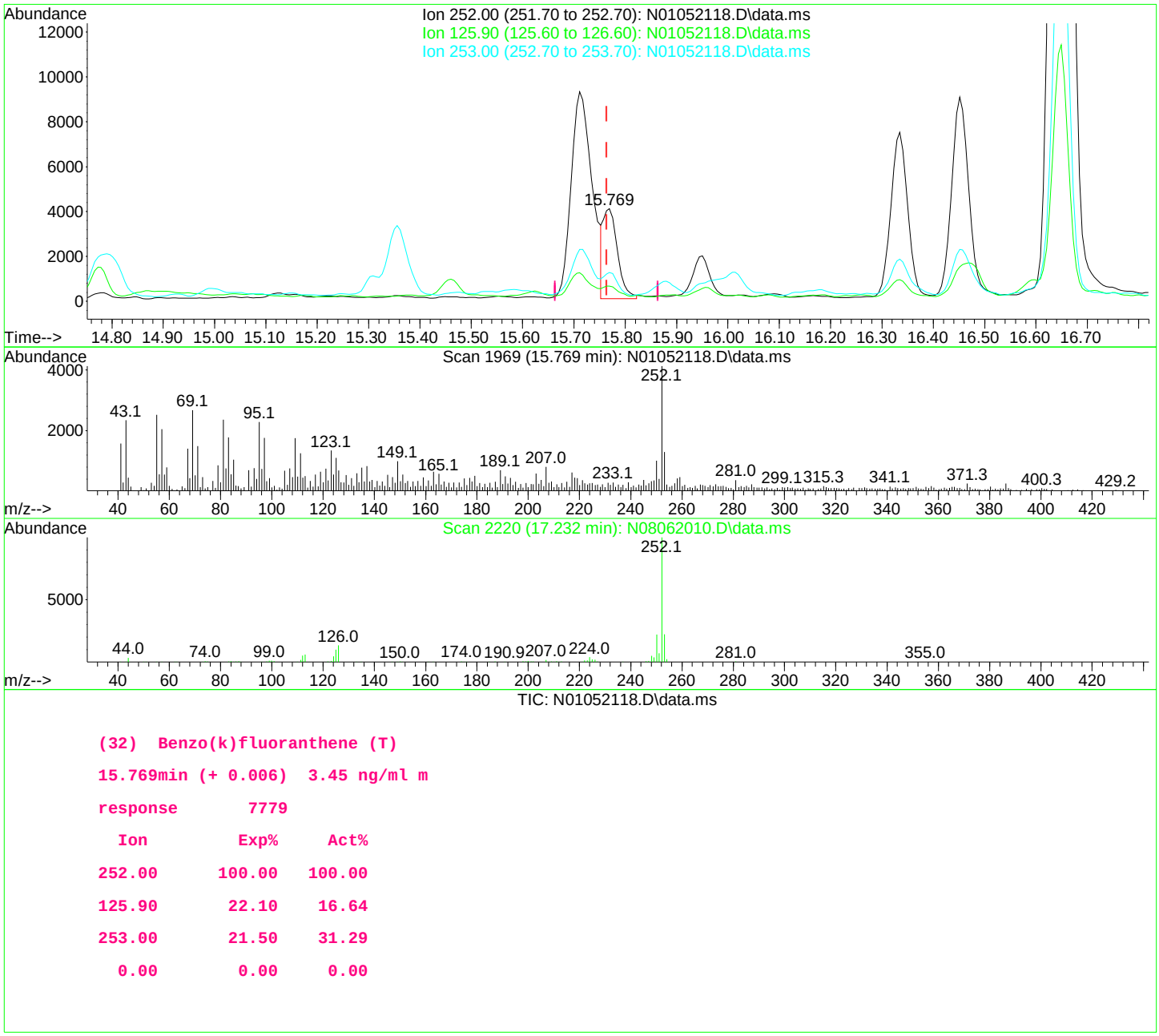
response 25932

Ion	Exp%	Act%
252.00	100.00	100.00
126.00	20.00	13.71
253.00	21.10	24.67
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052118.D
Acq On : 05 Jan 2021 10:57 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-01
Misc : 1x, 8270E LL PAH ONLY (QC SOURCE)
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 06 12:50:26 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01052118.D\data.ms

(32) Benzo(k)fluoranthene (T)

15.769min (+ 0.006) 3.45 ng/ml m

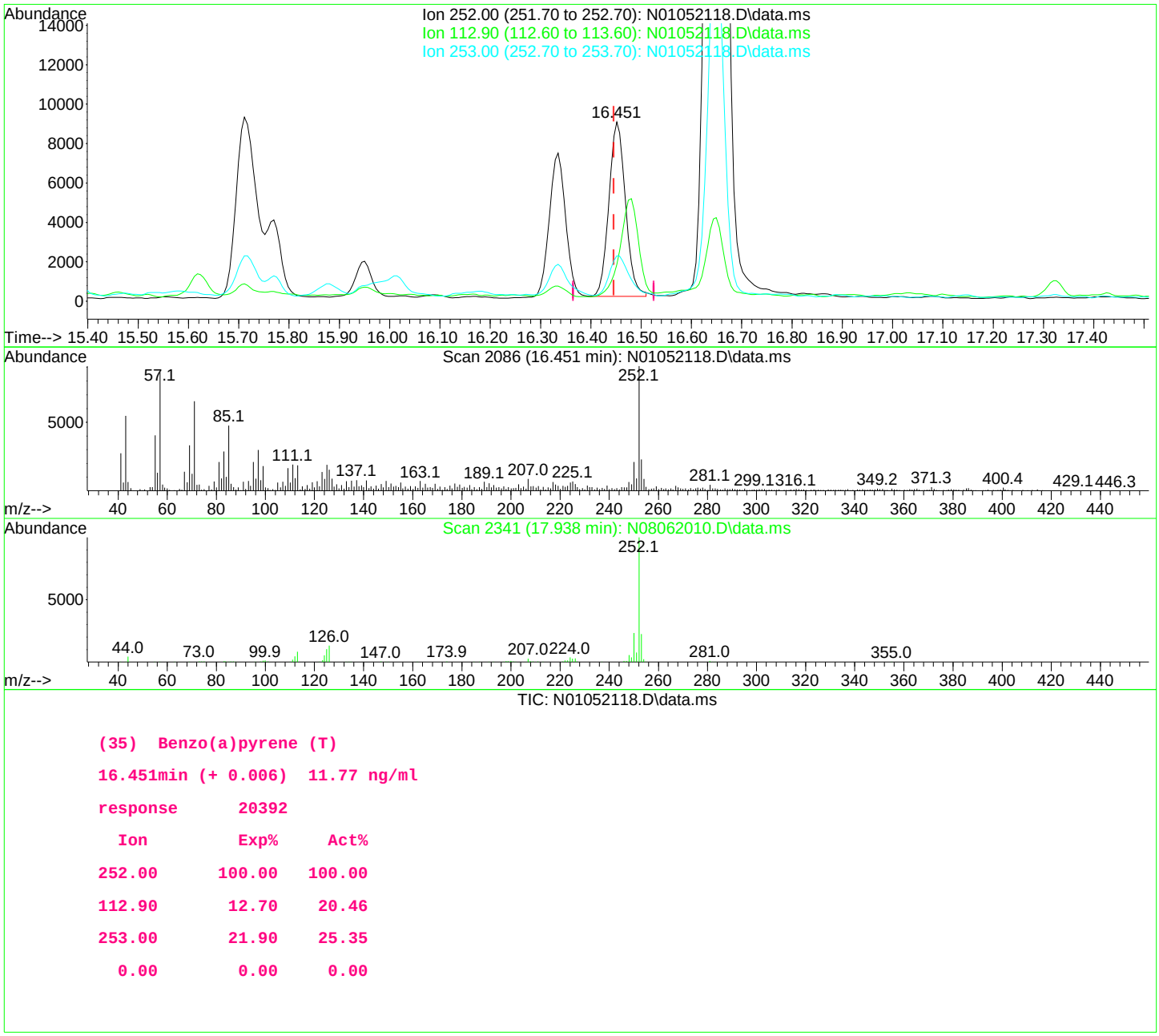
response 7779

Ion	Exp%	Act%
252.00	100.00	100.00
125.90	22.10	16.64
253.00	21.50	31.29
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052118.D
Acq On : 05 Jan 2021 10:57 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-01
Misc : 1x, 8270E LL PAH ONLY (QC SOURCE)
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 06 12:50:26 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01052118.D\data.ms

(35) Benzo(a)pyrene (T)

16.451min (+ 0.006) 11.77 ng/ml

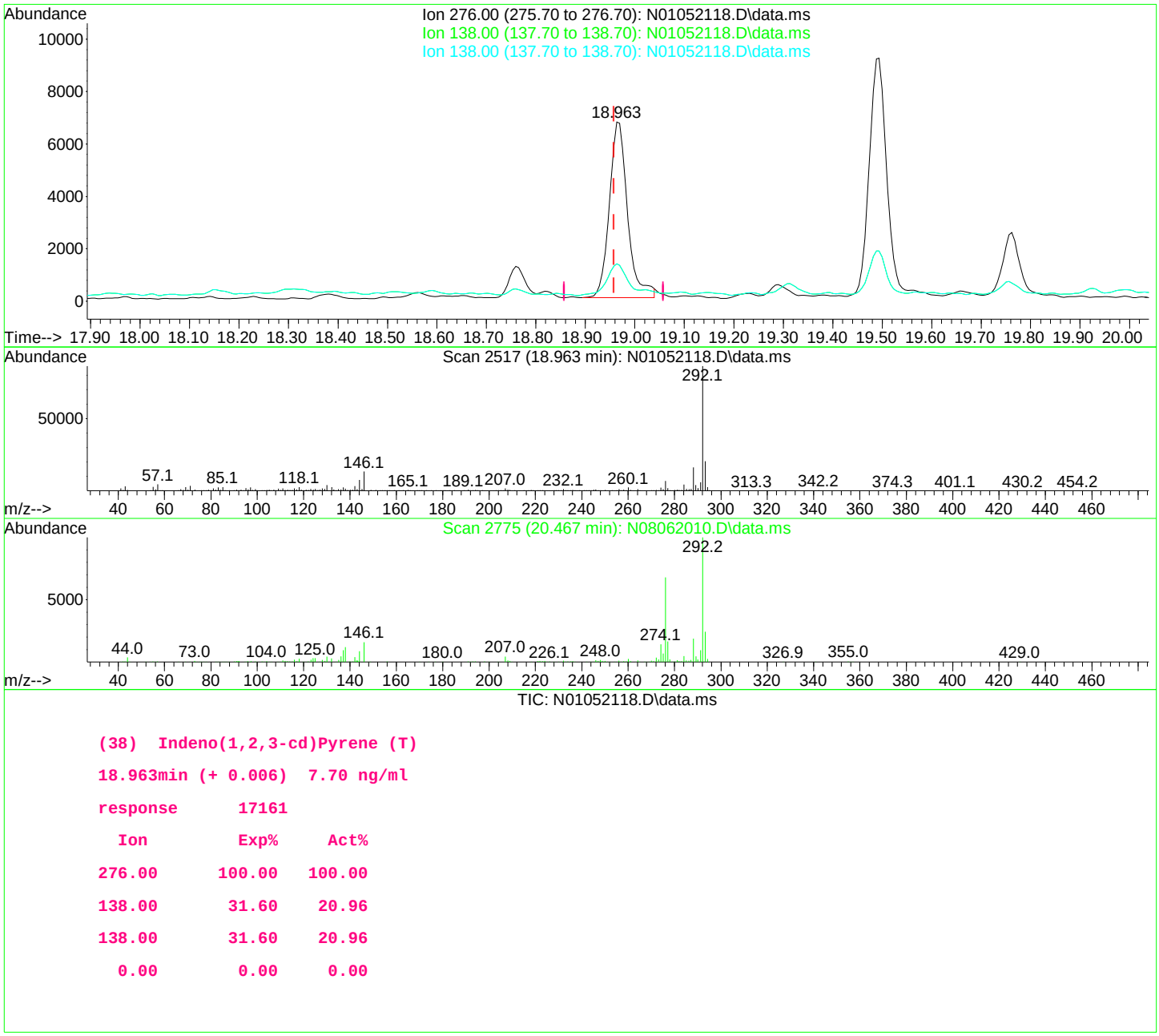
response 20392

Ion	Exp%	Act%
252.00	100.00	100.00
112.90	12.70	20.46
253.00	21.90	25.35
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052118.D
Acq On : 05 Jan 2021 10:57 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-01
Misc : 1x, 8270E LL PAH ONLY (QC SOURCE)
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 06 12:50:26 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01052118.D\data.ms

(38) Indeno(1,2,3-cd)Pyrene (T)

18.963min (+ 0.006) 7.70 ng/ml

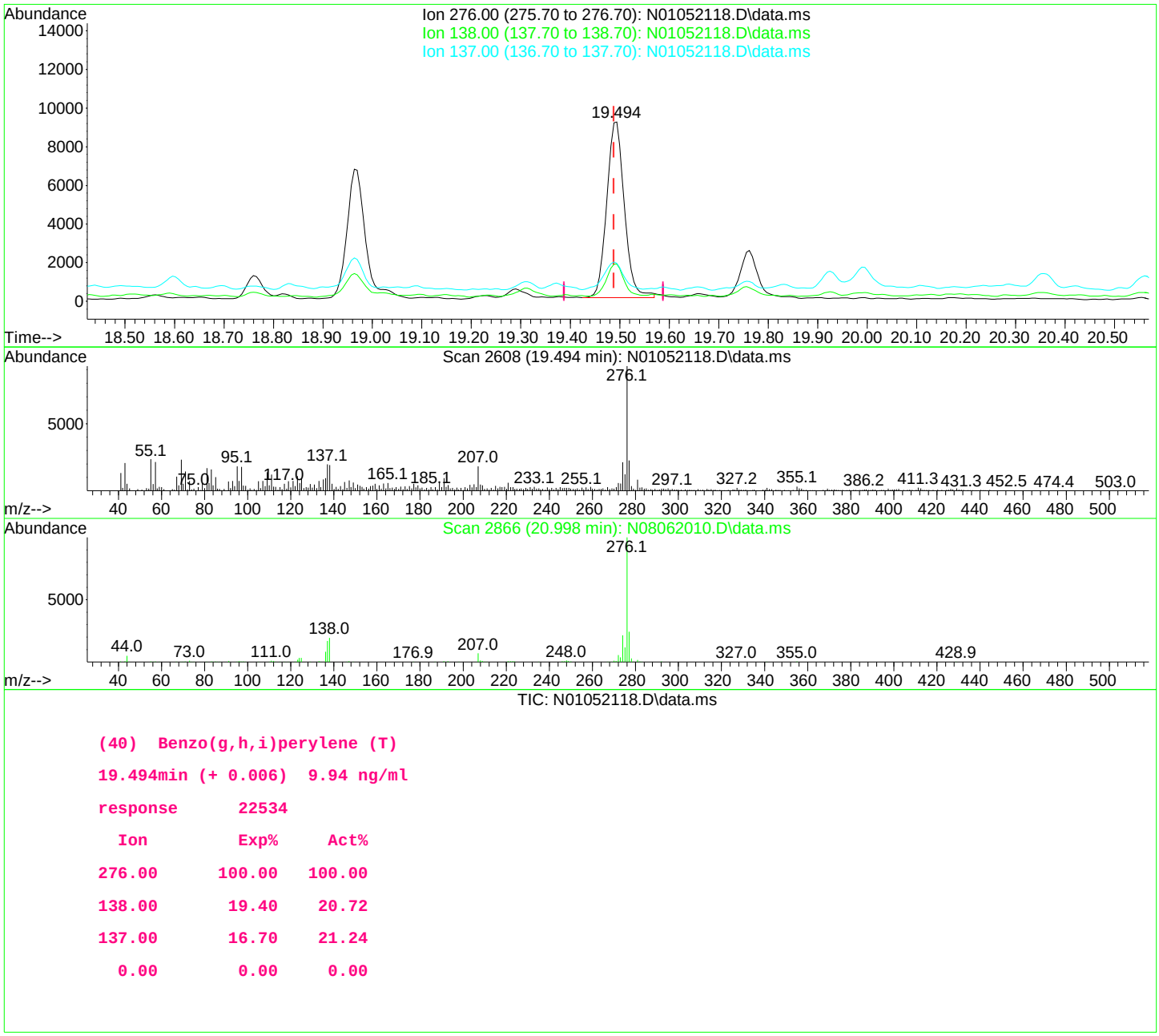
response 17161

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	31.60	20.96
138.00	31.60	20.96
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052118.D
Acq On : 05 Jan 2021 10:57 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-01
Misc : 1x, 8270E LL PAH ONLY (QC SOURCE)
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 06 12:50:26 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01052118.D\data.ms

(40) Benzo(g,h,i)perylene (T)

19.494min (+ 0.006) 9.94 ng/ml

response 22534

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	19.40	20.72
137.00	16.70	21.24
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

AMS 1/6/21

Data Path : U:\data\2021-01\1A05060\
Data File : N01052119.D
Acq On : 05 Jan 2021 11:27 pm
Operator : JK/ AMS/ DTH
Sample : 1012490-DUP1
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 06 12:57:54 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.091	136	170221	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	8.822	162	118372	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.314	188	228855	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	13.368	240	229611	100.00	ng/ml	0.00
30) Perylene-d12 (ISTD)	16.591	264	248492	100.00	ng/ml	0.00
37) Dibenz(a,h)Anthrcene-d...	18.963	292	229225	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	6.414	82	33941	71.18	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.157	172	138997	82.13	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	9.620	330	36777	126.24	ng/ml	0.00
27) Terphenyl-d14 (Surr)	11.940	244	187897	85.11	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	6.566	138	262	2.59	ng/ml#	1
4) Naphthalene	7.108	128	38111	21.71	ng/ml	98
5) 2-Methylnaphthalene	7.784	142	24101	18.99	ng/ml	97
6) 1-Methylnaphthalene	7.883	142	9187	7.23	ng/ml	96
7) 1,1'-Biphenyl	8.250	154	10459	6.47	ng/ml	94
8) 2,6-Dimethylnaphthalene	8.414	156	8938	7.55	ng/ml	98
11) Acenaphthylene	8.676	152	5697	2.87	ng/ml	85
12) Acenaphthene	8.851	153	24863	17.15	ng/ml	100
13) Dibenzofuran	9.026	168	6113	3.35	ng/ml#	77
14) 1,6,7-Trimethylnaphtha...	9.241	170	2776	2.11	ng/ml	93
15) Fluorene	9.370	166	13519	9.16	ng/ml	96
18) Pentachlorophenol (PCP)	10.151	266	767	15.67	ng/ml	98
19) Dibenzothiopene	10.209	184	19055	8.57	ng/ml	95
20) Phenanthrene	10.337	178	152463	61.55	ng/ml	99
21) Anthracene	10.384	178	21598	10.65	ng/ml	95
22) Carbazole	10.564	167	3197	2.12	ng/ml	81
23) 1-Methylphenanthrene	10.955	192	5928	3.33	ng/ml	93
24) Fluoranthene	11.538	202	84645	32.94	ng/ml	94
26) Pyrene	11.759	202	102991	33.50	ng/ml	99
28) Benz(a)anthracene	13.350	228	23644	10.30	ng/ml	80
29) Chrysene	13.409	228	27130	11.44	ng/ml	92
31) Benzo(b)fluoranthene	15.711	252	24833	9.86	ng/ml	89
32) Benzo(k)fluoranthene	15.764	252	7902m	3.32	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052119.D
Acq On : 05 Jan 2021 11:27 pm
Operator : JK/ AMS/ DTH
Sample : 1012490-DUP1
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 06 12:57:54 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

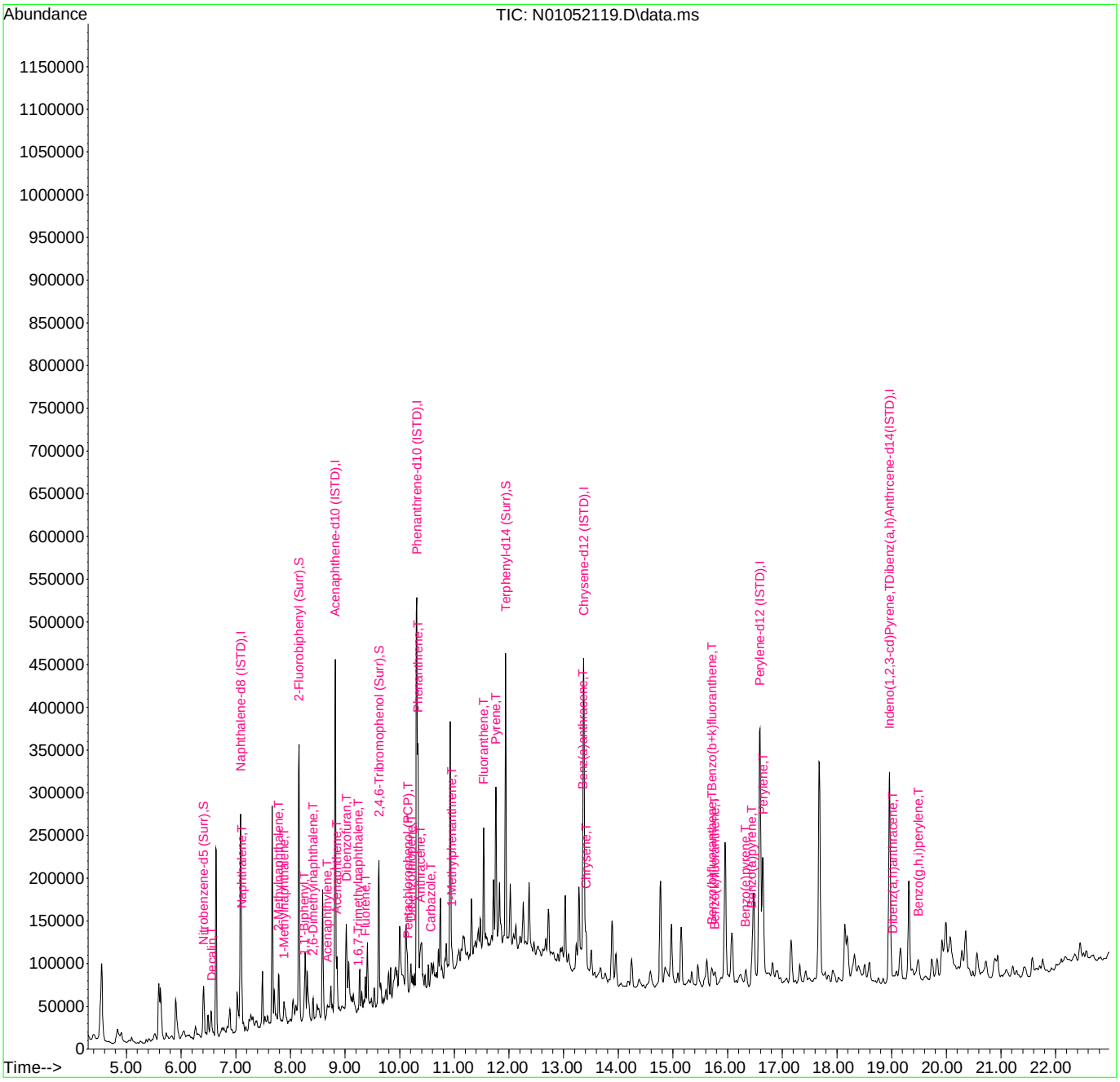
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	15.711	252	35689	13.92	ng/ml	87
34) Benzo(e)pyrene	16.329	252	15566	6.21	ng/ml	99
35) Benzo(a)pyrene	16.445	252	20129	11.02	ng/ml	94
36) Perylene	16.644	252	114379	42.17	ng/ml	99
38) Indeno(1,2,3-cd)Pyrene	18.963	276	14600	5.92	ng/ml	80
39) Dibenz(a,h)anthracene	19.022	278	2363	0.97	ng/ml	78
40) Benzo(g,h,i)perylene	19.488	276	18593	7.41	ng/ml	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052119.D
Acq On : 05 Jan 2021 11:27 pm
Operator : JK/ AMS/ DTH
Sample : 1012490-DUP1
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 06 12:57:54 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052119.D
Acq On : 05 Jan 2021 11:27 pm
Operator : JK/ AMS/ DTH
Sample : 1012490-DUP1
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 06 12:55:14 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.091	136	170221	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	8.822	162	118372	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.314	188	228855	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	13.368	240	229611	100.00	ng/ml	0.00
30) Perylene-d12 (ISTD)	16.591	264	248492	100.00	ng/ml	0.00
37) Dibenz(a,h)Anthrcene-d...	18.963	292	229225	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	6.414	82	33941	71.18	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.157	172	138997	82.13	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	9.620	330	36777	126.24	ng/ml	0.00
27) Terphenyl-d14 (Surr)	11.940	244	187897	85.11	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	6.566	138	262	2.59	ng/ml#	1
4) Naphthalene	7.108	128	38111	21.71	ng/ml	98
5) 2-Methylnaphthalene	7.784	142	24101	18.99	ng/ml	97
6) 1-Methylnaphthalene	7.883	142	9187	7.23	ng/ml	96
7) 1,1'-Biphenyl	8.250	154	10459	6.47	ng/ml	94
8) 2,6-Dimethylnaphthalene	8.414	156	8938	7.55	ng/ml	98
11) Acenaphthylene	8.676	152	5697	2.87	ng/ml	85
12) Acenaphthene	8.851	153	24863	17.15	ng/ml	100
13) Dibenzofuran	9.026	168	6113	3.35	ng/ml#	77
14) 1,6,7-Trimethylnaphtha...	9.241	170	2776	2.11	ng/ml	93
15) Fluorene	9.370	166	13519	9.16	ng/ml	96
18) Pentachlorophenol (PCP)	10.151	266	767	15.67	ng/ml	98
19) Dibenzothiopene	10.209	184	19055	8.57	ng/ml	95
20) Phenanthrene	10.337	178	152463	61.55	ng/ml	99
21) Anthracene	10.384	178	21598	10.65	ng/ml	95
22) Carbazole	10.564	167	3197	2.12	ng/ml	81
23) 1-Methylphenanthrene	10.955	192	5928	3.33	ng/ml	93
24) Fluoranthene	11.538	202	84645	32.94	ng/ml	94
26) Pyrene	11.759	202	102991	33.50	ng/ml	99
28) Benz(a)anthracene	13.350	228	23644	10.30	ng/ml	80
29) Chrysene	13.409	228	27130	11.44	ng/ml	92
31) Benzo(b)fluoranthene	15.711	252	24833	9.86	ng/ml	89
32) Benzo(k)fluoranthene	15.711	252	31850	13.40	ng/ml	87

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052119.D
Acq On : 05 Jan 2021 11:27 pm
Operator : JK/ AMS/ DTH
Sample : 1012490-DUP1
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 06 12:55:14 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

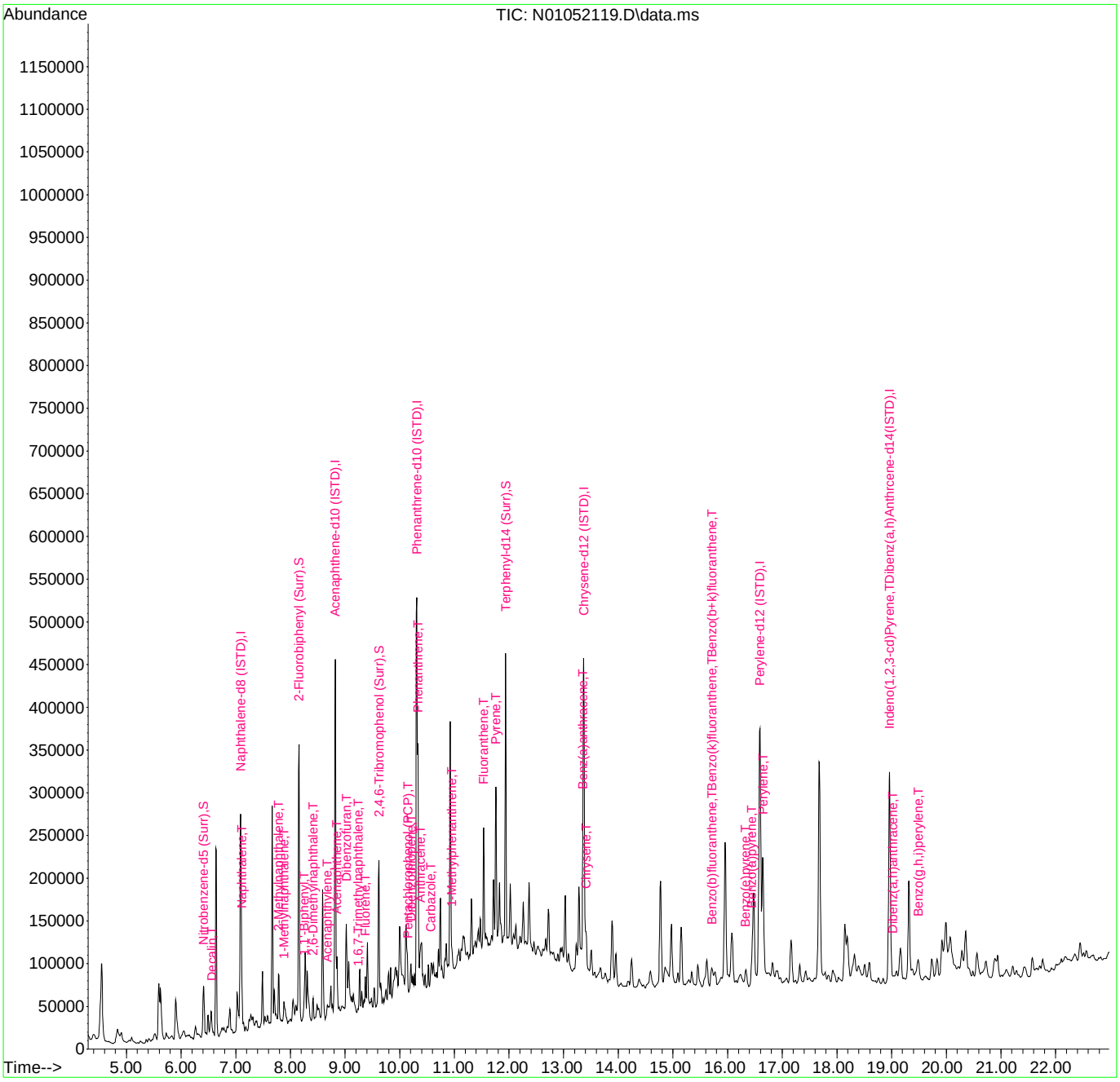
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	15.711	252	35689	13.92	ng/ml	87
34) Benzo(e)pyrene	16.329	252	15566	6.21	ng/ml	99
35) Benzo(a)pyrene	16.445	252	20129	11.02	ng/ml	94
36) Perylene	16.644	252	114379	42.17	ng/ml	99
38) Indeno(1,2,3-cd)Pyrene	18.963	276	14600	5.92	ng/ml	80
39) Dibenz(a,h)anthracene	19.022	278	2363	0.97	ng/ml	78
40) Benzo(g,h,i)perylene	19.488	276	18593	7.41	ng/ml	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052119.D
Acq On : 05 Jan 2021 11:27 pm
Operator : JK/ AMS/ DTH
Sample : 1012490-DUP1
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 7 Sample Multiplier: 1

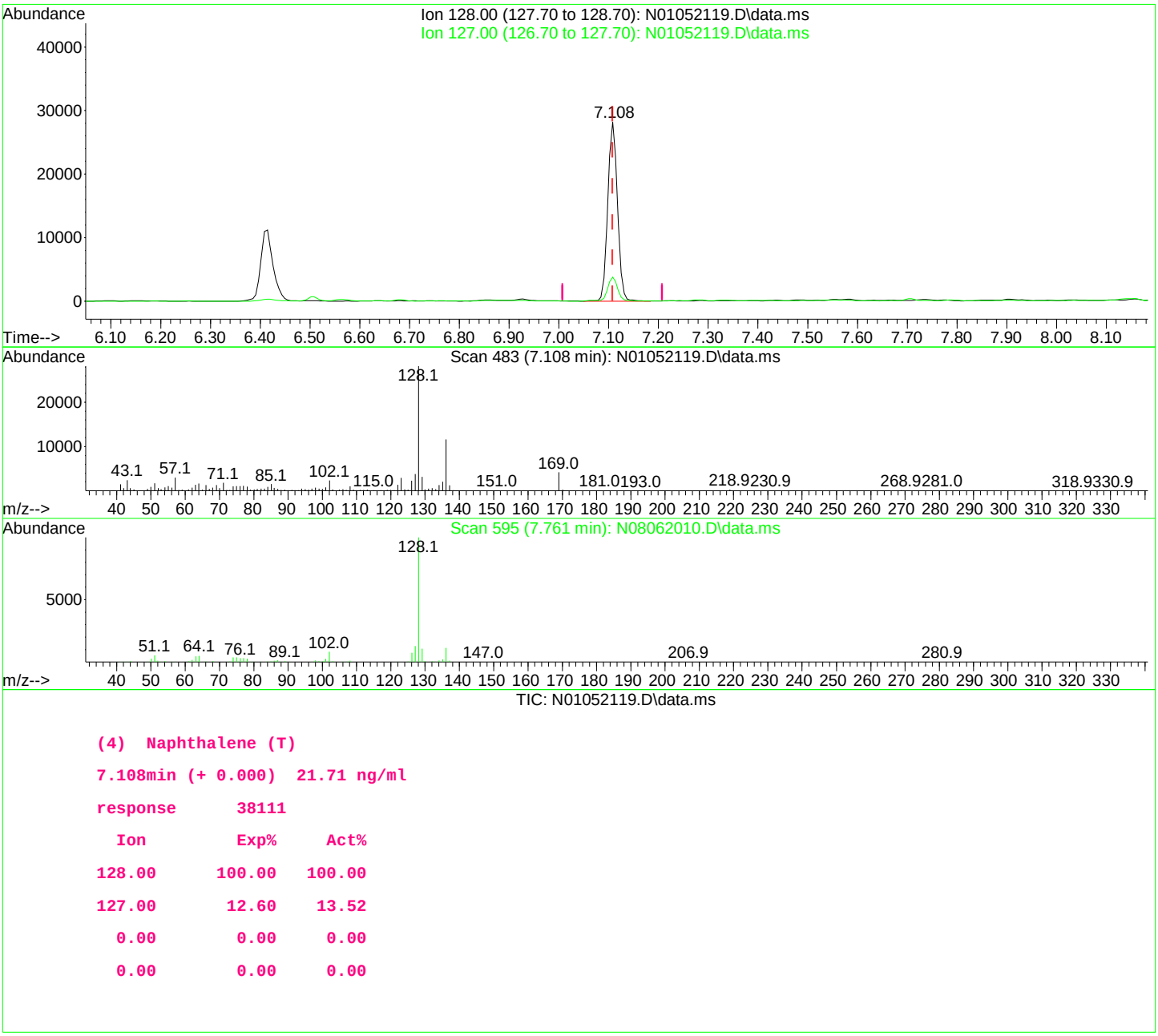
Quant Time: Jan 06 12:55:14 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052119.D
Acq On : 05 Jan 2021 11:27 pm
Operator : JK/ AMS/ DTH
Sample : 1012490-DUP1
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 06 12:55:14 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01052119.D\data.ms

(4) Naphthalene (T)

7.108min (+ 0.000) 21.71 ng/ml

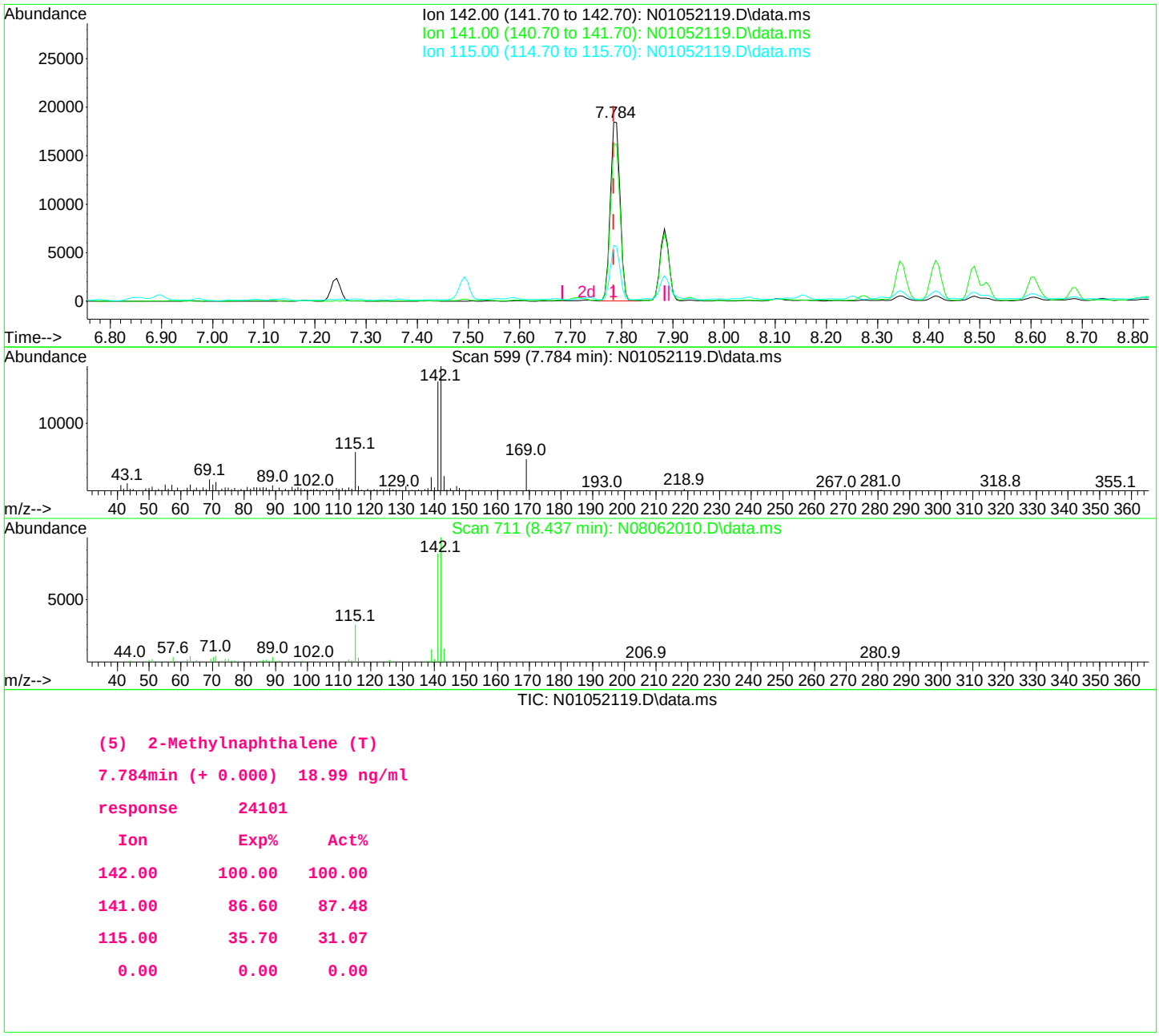
response 38111

Ion	Exp%	Act%
128.00	100.00	100.00
127.00	12.60	13.52
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052119.D
Acq On : 05 Jan 2021 11:27 pm
Operator : JK/ AMS/ DTH
Sample : 1012490-DUP1
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 06 12:55:14 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01052119.D\data.ms

(5) 2-Methylnaphthalene (T)

7.784min (+ 0.000) 18.99 ng/ml

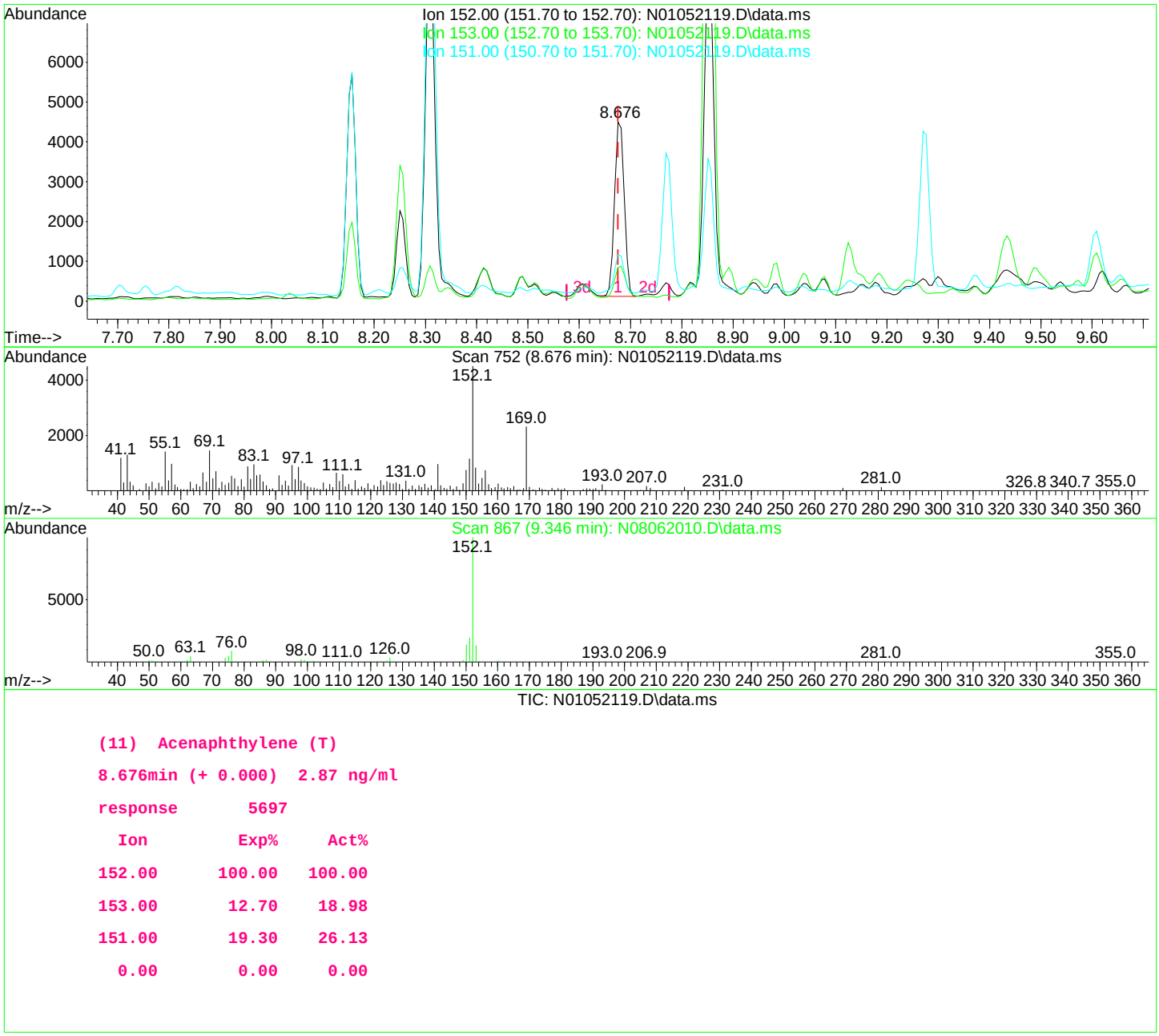
response 24101

Ion	Exp%	Act%
142.00	100.00	100.00
141.00	86.60	87.48
115.00	35.70	31.07
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052119.D
Acq On : 05 Jan 2021 11:27 pm
Operator : JK/ AMS/ DTH
Sample : 1012490-DUP1
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 06 12:55:14 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01052119.D\data.ms

(11) Acenaphthylene (T)

8.676min (+ 0.000) 2.87 ng/ml

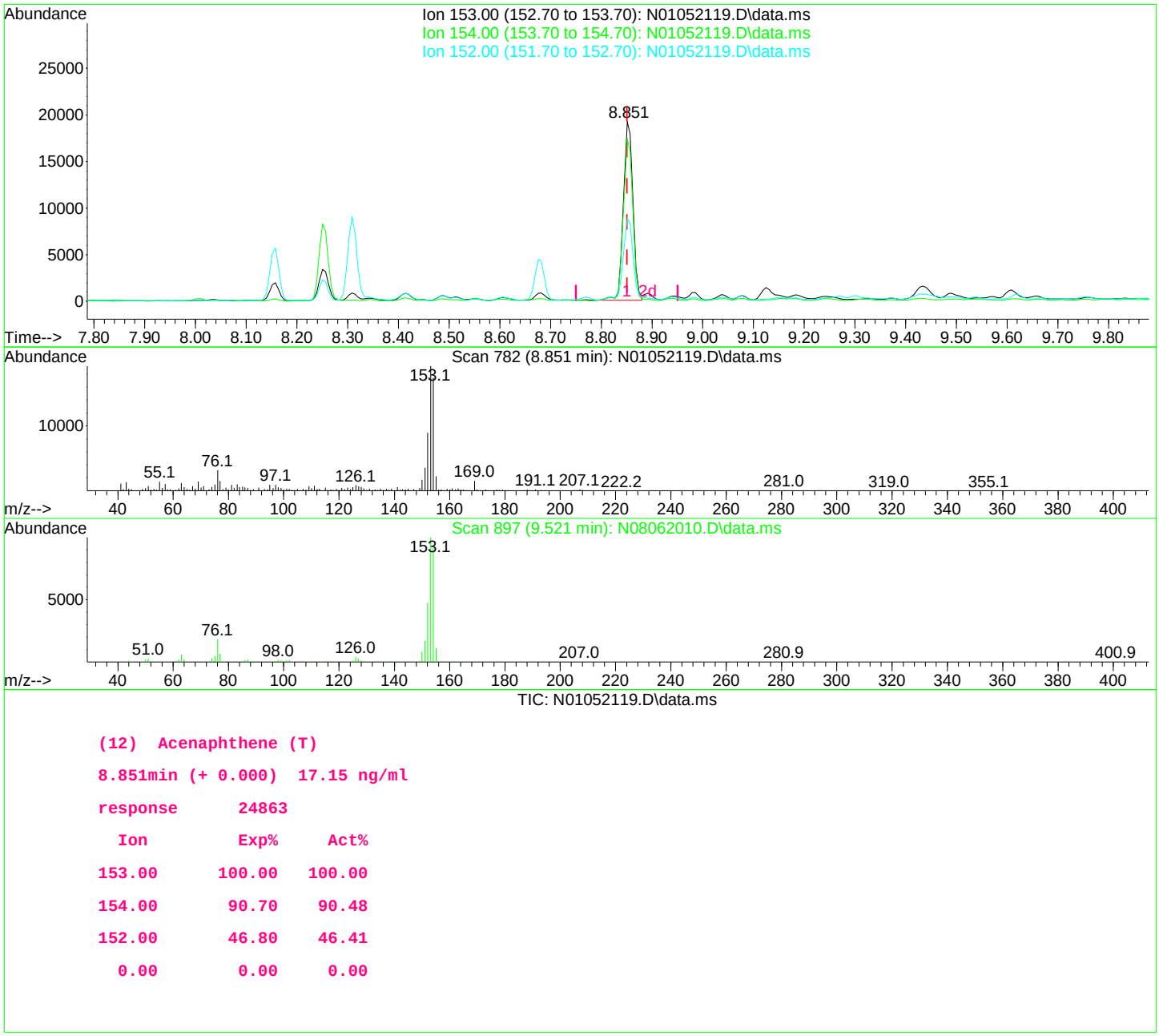
response 5697

Ion	Exp%	Act%
152.00	100.00	100.00
153.00	12.70	18.98
151.00	19.30	26.13
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052119.D
Acq On : 05 Jan 2021 11:27 pm
Operator : JK/ AMS/ DTH
Sample : 1012490-DUP1
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 06 12:55:14 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01052119.D\data.ms

(12) Acenaphthene (T)

8.851min (+ 0.000) 17.15 ng/ml

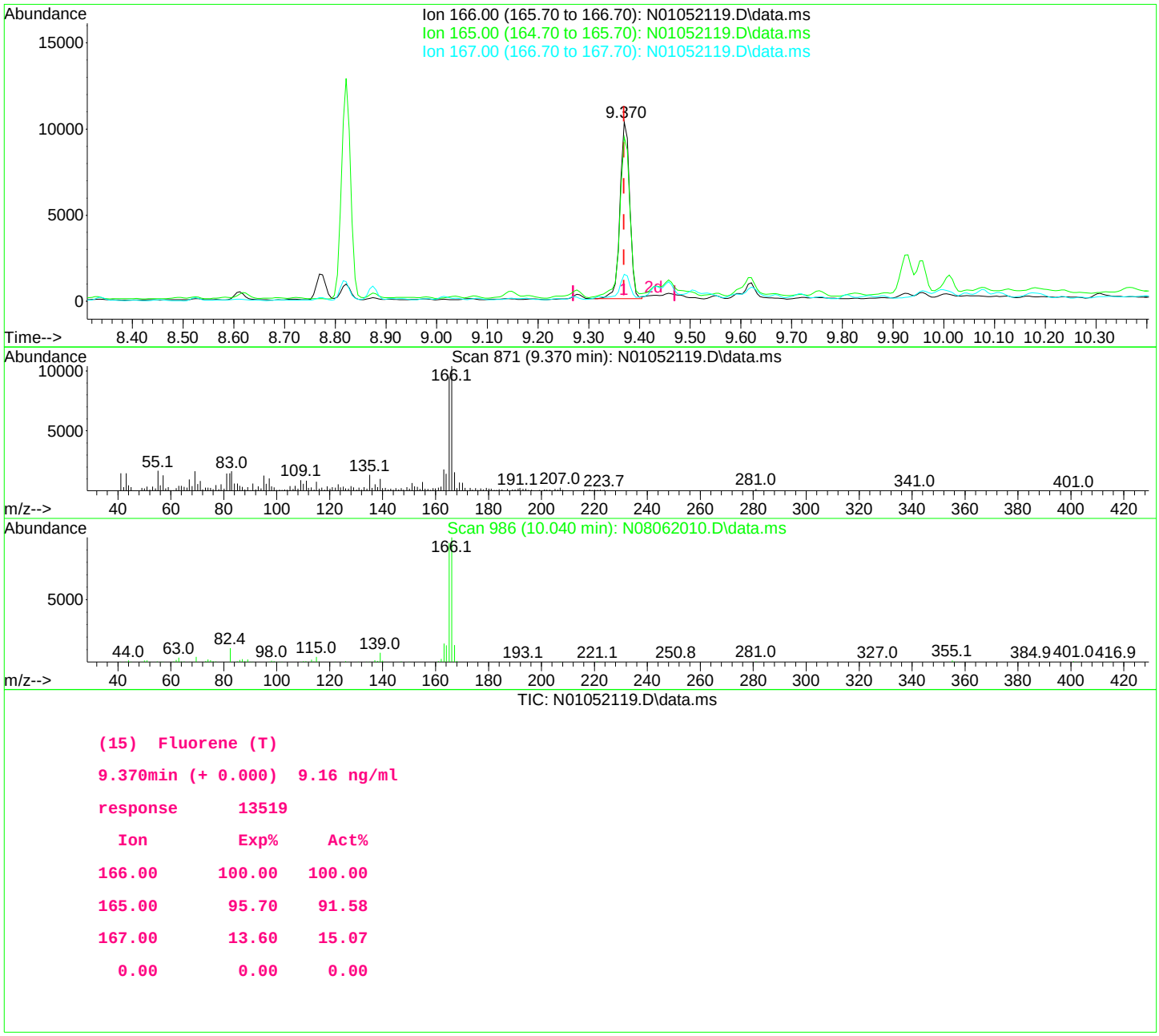
response 24863

Ion	Exp%	Act%
153.00	100.00	100.00
154.00	90.70	90.48
152.00	46.80	46.41
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052119.D
Acq On : 05 Jan 2021 11:27 pm
Operator : JK/ AMS/ DTH
Sample : 1012490-DUP1
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 06 12:55:14 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01052119.D\data.ms

(15) Fluorene (T)

9.370min (+ 0.000) 9.16 ng/ml

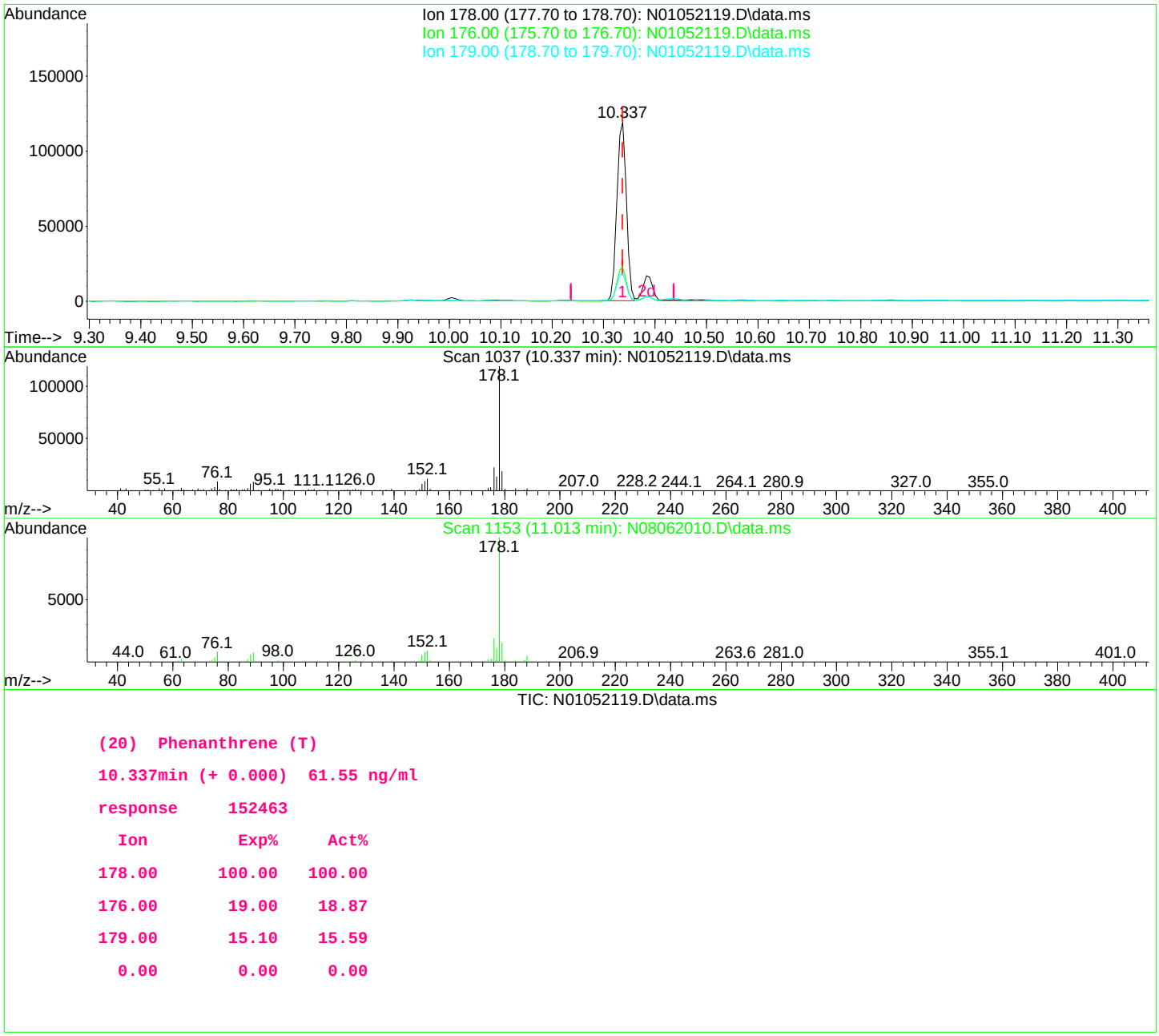
response 13519

Ion	Exp%	Act%
166.00	100.00	100.00
165.00	95.70	91.58
167.00	13.60	15.07
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052119.D
Acq On : 05 Jan 2021 11:27 pm
Operator : JK/ AMS/ DTH
Sample : 1012490-DUP1
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 06 12:55:14 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01052119.D\data.ms

(20) Phenanthrene (T)

10.337min (+ 0.000) 61.55 ng/ml

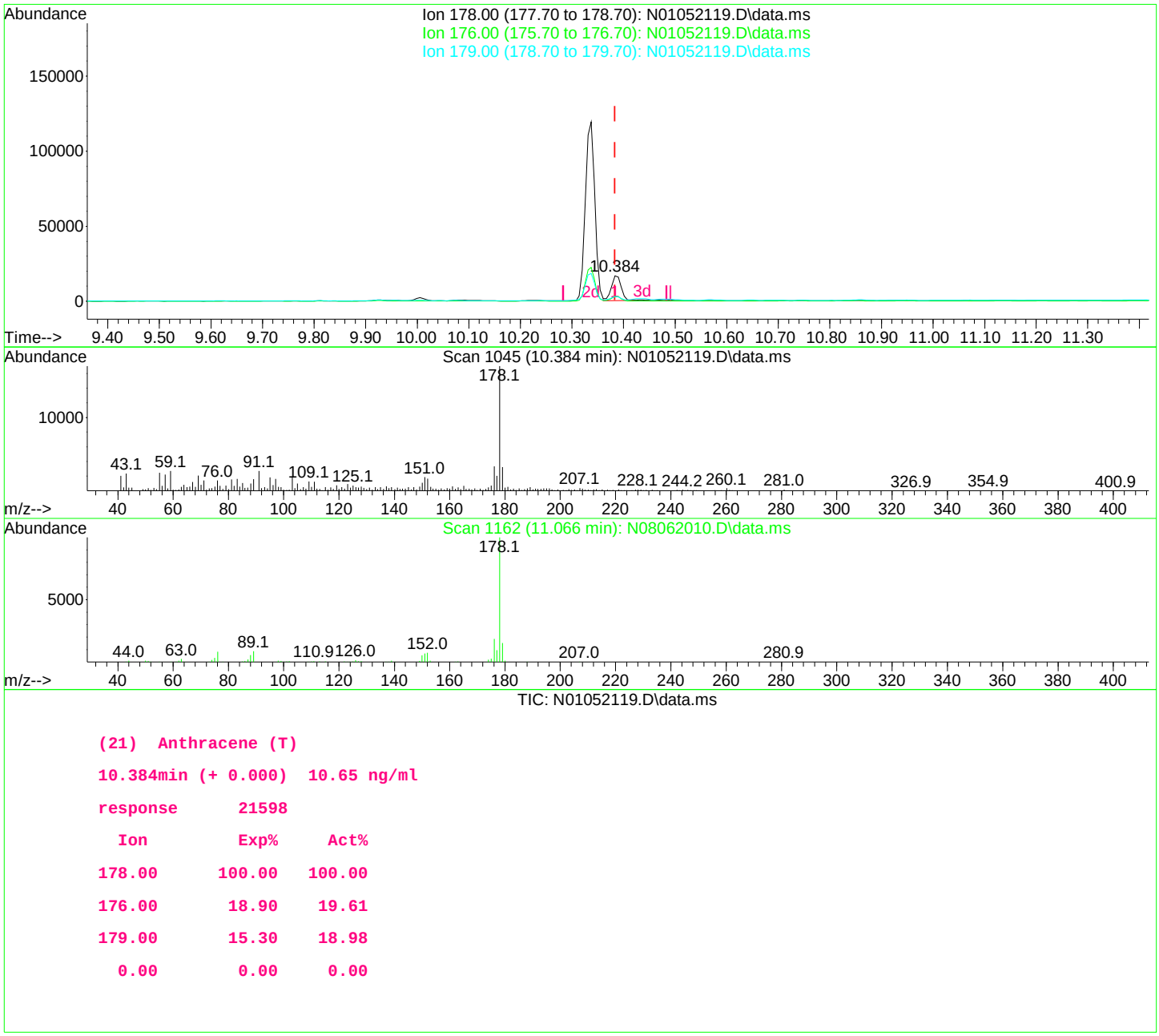
response 152463

Ion	Exp%	Act%
178.00	100.00	100.00
176.00	19.00	18.87
179.00	15.10	15.59
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052119.D
Acq On : 05 Jan 2021 11:27 pm
Operator : JK/ AMS/ DTH
Sample : 1012490-DUP1
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 06 12:55:14 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01052119.D\data.ms

(21) Anthracene (T)

10.384min (+ 0.000) 10.65 ng/ml

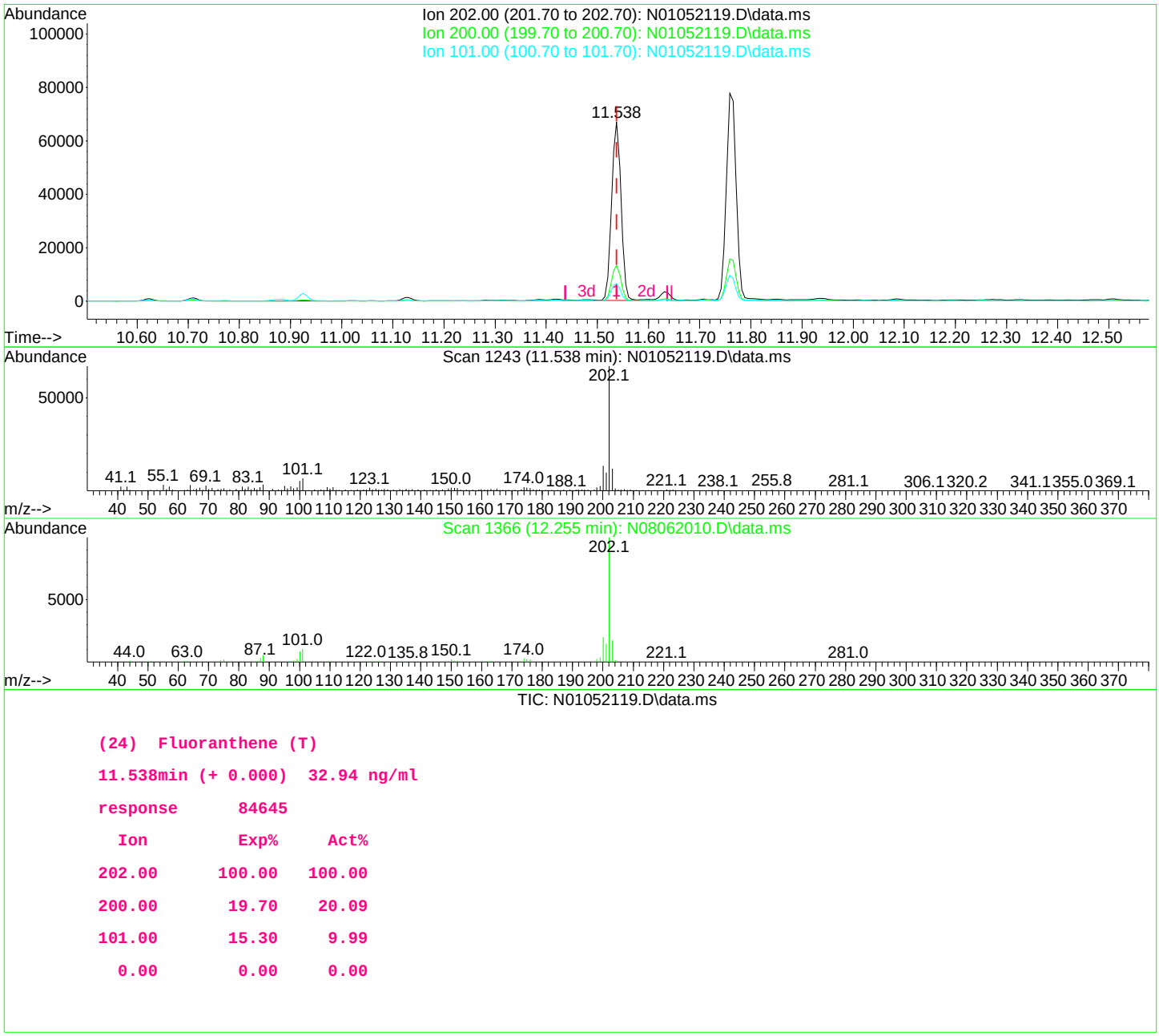
response 21598

Ion	Exp%	Act%
178.00	100.00	100.00
176.00	18.90	19.61
179.00	15.30	18.98
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052119.D
Acq On : 05 Jan 2021 11:27 pm
Operator : JK/ AMS/ DTH
Sample : 1012490-DUP1
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 06 12:55:14 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01052119.D\data.ms

(24) Fluoranthene (T)

11.538min (+ 0.000) 32.94 ng/ml

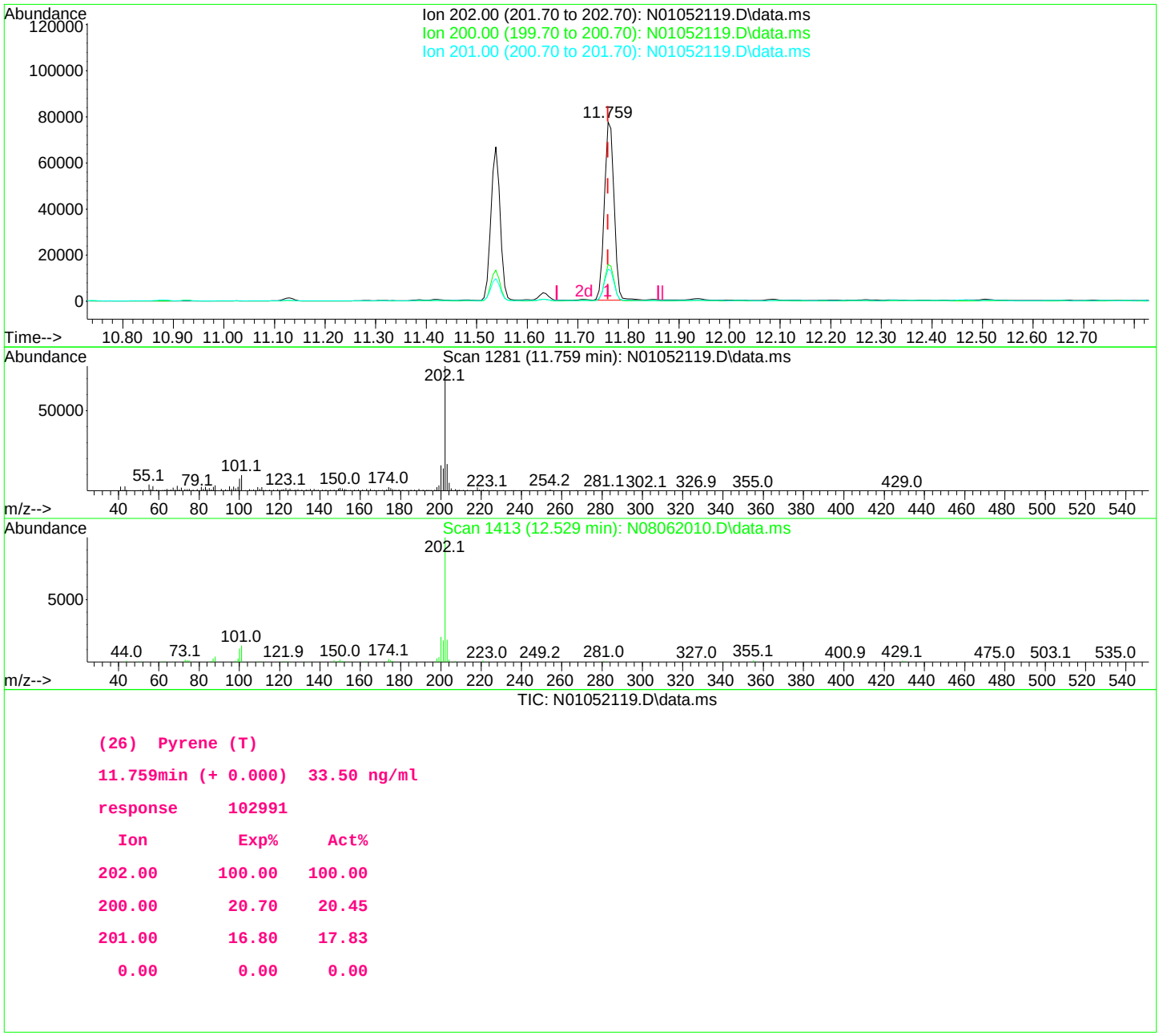
response 84645

Ion	Exp%	Act%
202.00	100.00	100.00
200.00	19.70	20.09
101.00	15.30	9.99
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052119.D
Acq On : 05 Jan 2021 11:27 pm
Operator : JK/ AMS/ DTH
Sample : 1012490-DUP1
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 06 12:55:14 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01052119.D\data.ms

(26) Pyrene (T)

11.759min (+ 0.000) 33.50 ng/ml

response 102991

Ion	Exp%	Act%
202.00	100.00	100.00
200.00	20.70	20.45
201.00	16.80	17.83
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052119.D
Acq On : 05 Jan 2021 11:27 pm
Operator : JK/ AMS/ DTH
Sample : 1012490-DUP1
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 06 12:55:14 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

TIC: N01052119.D\data.ms

(28) Benz(a)anthracene (T)

13.350min (+ 0.000) 10.30 ng/ml

response 23644

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.40	22.95
226.00	26.20	40.83
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052119.D
Acq On : 05 Jan 2021 11:27 pm
Operator : JK/ AMS/ DTH
Sample : 1012490-DUP1
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 06 12:55:14 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

TIC: N01052119.D\data.ms

(29) Chrysene (T)

13.409min (+ 0.000) 11.44 ng/ml

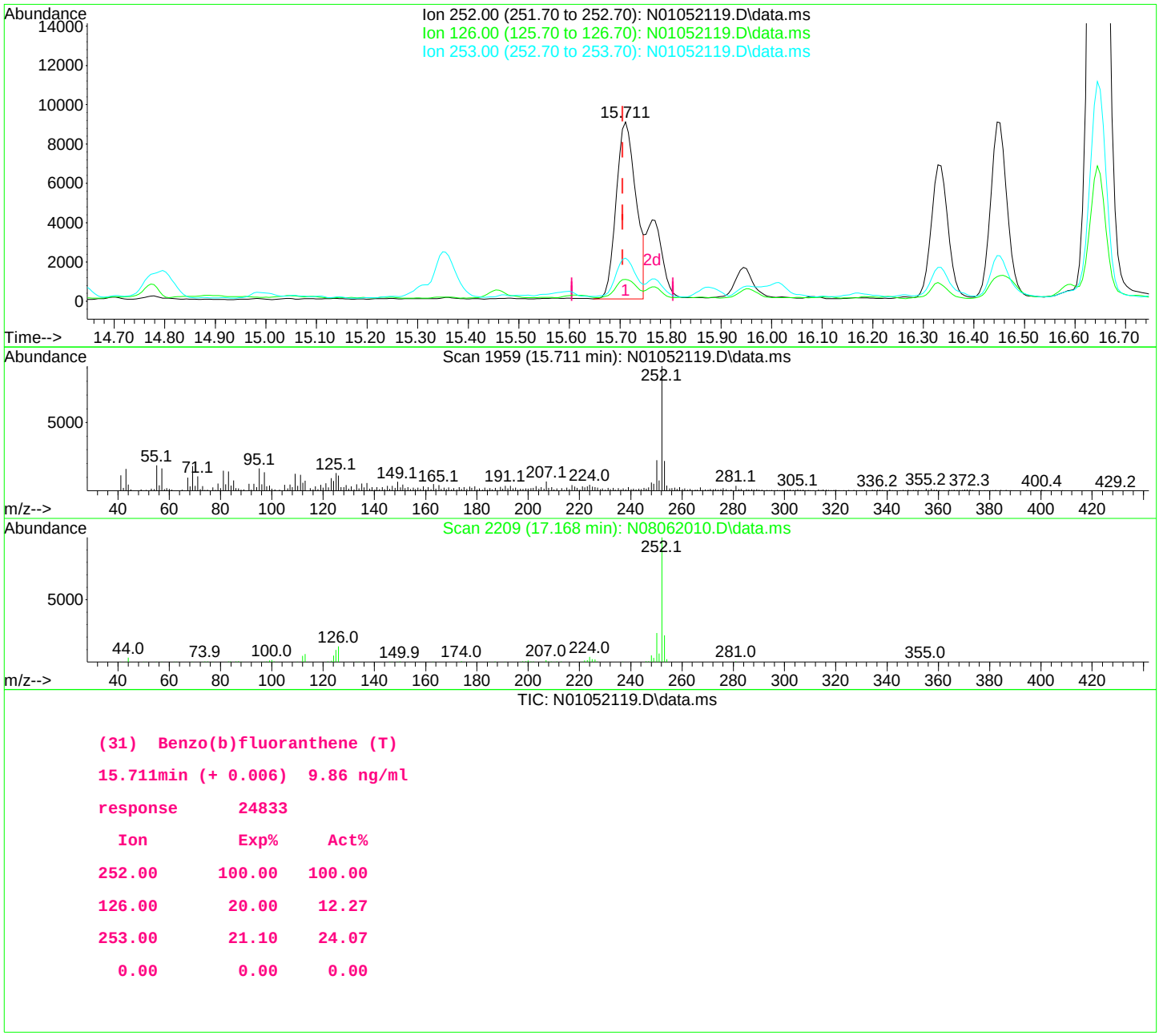
response 27130

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.60	23.59
226.00	28.60	32.27
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052119.D
Acq On : 05 Jan 2021 11:27 pm
Operator : JK/ AMS/ DTH
Sample : 1012490-DUP1
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 06 12:55:14 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



(31) Benzo(b)fluoranthene (T)

15.711min (+ 0.006) 9.86 ng/ml

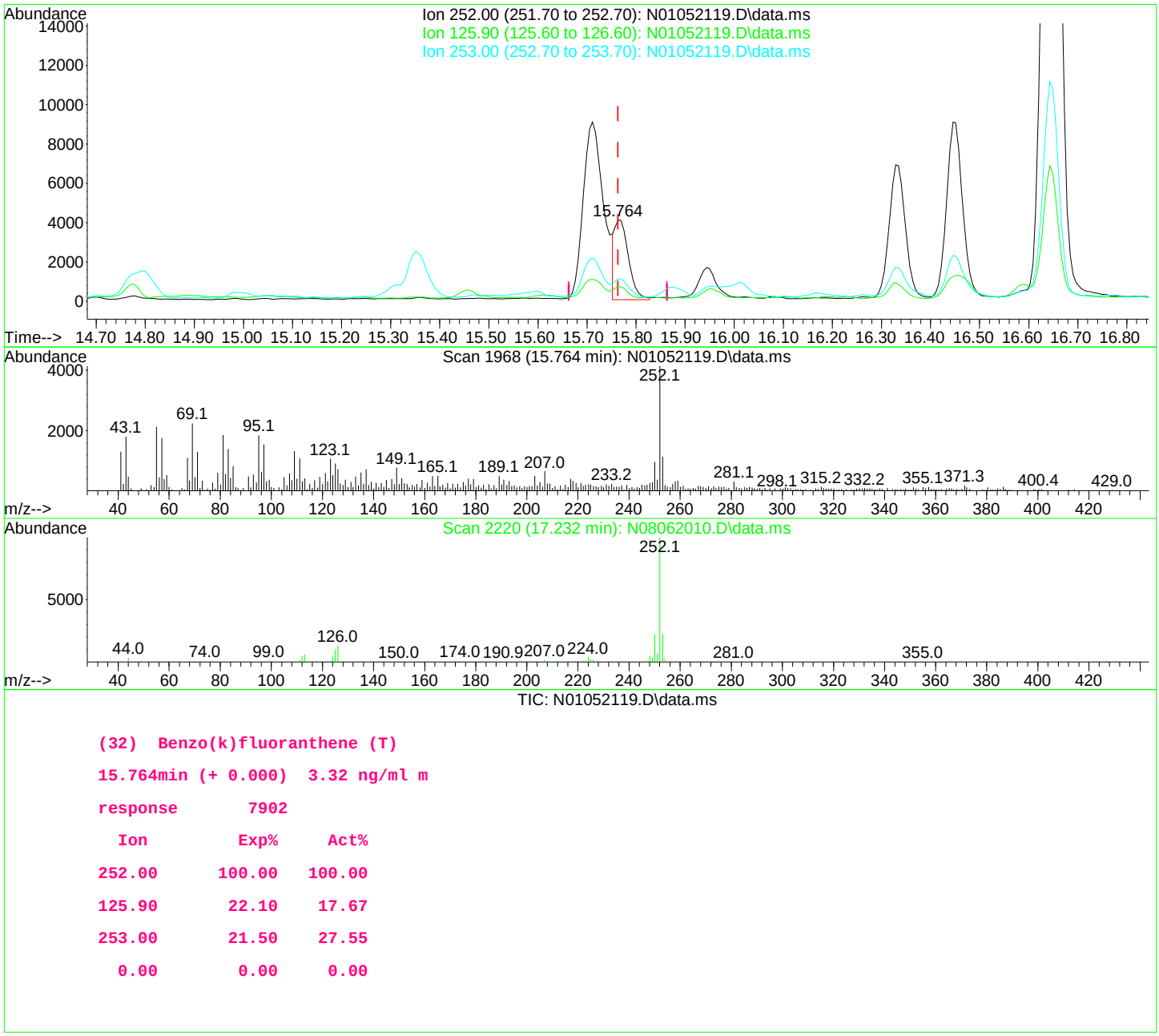
response 24833

Ion	Exp%	Act%
252.00	100.00	100.00
126.00	20.00	12.27
253.00	21.10	24.07
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052119.D
Acq On : 05 Jan 2021 11:27 pm
Operator : JK/ AMS/ DTH
Sample : 1012490-DUP1
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 06 12:55:14 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01052119.D\data.ms

(32) Benzo(k)fluoranthene (T)

15.764min (+ 0.000) 3.32 ng/ml m

response 7902

Ion	Exp%	Act%
252.00	100.00	100.00
125.90	22.10	17.67
253.00	21.50	27.55
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052119.D
Acq On : 05 Jan 2021 11:27 pm
Operator : JK/ AMS/ DTH
Sample : 1012490-DUP1
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 06 12:55:14 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

TIC: N01052119.D\data.ms

(35) Benzo(a)pyrene (T)

16.445min (+ 0.000) 11.02 ng/ml

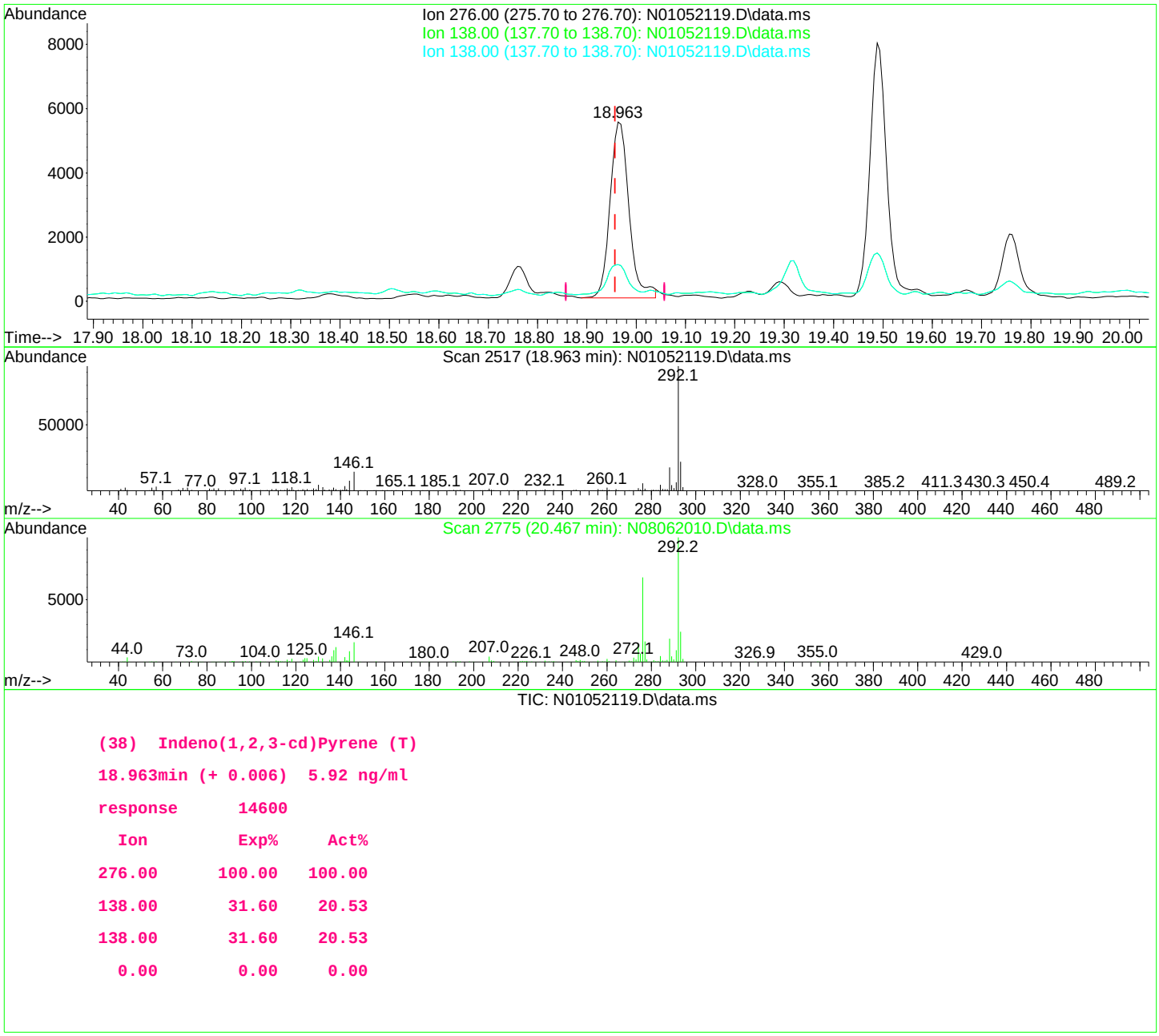
response 20129

Ion	Exp%	Act%
252.00	100.00	100.00
112.90	12.70	14.30
253.00	21.90	25.43
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052119.D
Acq On : 05 Jan 2021 11:27 pm
Operator : JK/ AMS/ DTH
Sample : 1012490-DUP1
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 06 12:55:14 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



(38) Indeno(1,2,3-cd)Pyrene (T)

18.963min (+ 0.006) 5.92 ng/ml

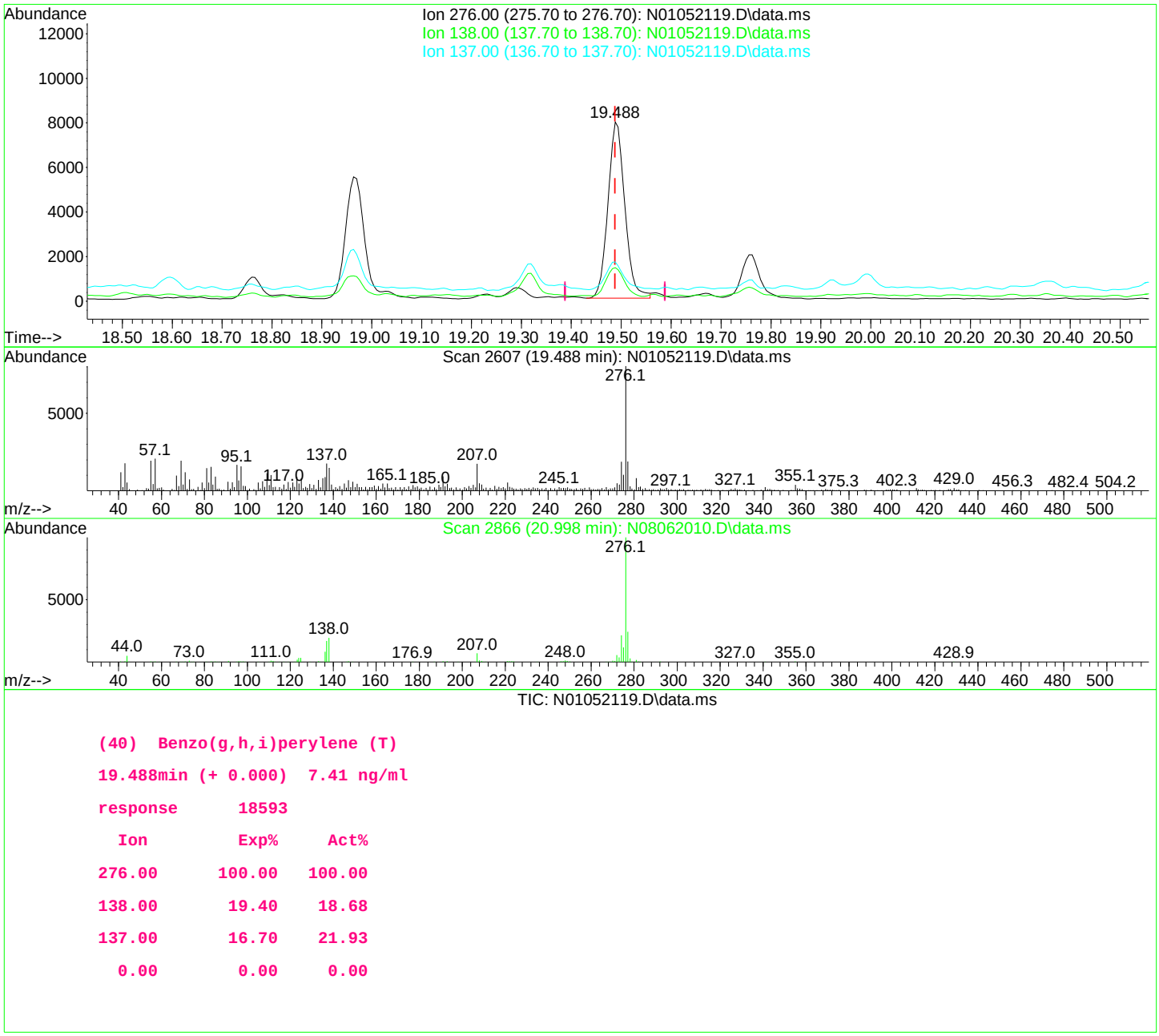
response 14600

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	31.60	20.53
138.00	31.60	20.53
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052119.D
Acq On : 05 Jan 2021 11:27 pm
Operator : JK/ AMS/ DTH
Sample : 1012490-DUP1
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 06 12:55:14 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01052119.D\data.ms

(40) Benzo(g,h,i)perylene (T)

19.488min (+ 0.000) 7.41 ng/ml

response 18593

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	19.40	18.68
137.00	16.70	21.93
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

AMS 1/6/21

Data Path : U:\data\2021-01\1A05060\
Data File : N01052120.D
Acq On : 05 Jan 2021 11:58 pm
Operator : JK/ AMS/ DTH
Sample : 1012493-BLK1
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 06 13:00:36 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.090	136	162048	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	8.822	162	115612	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.314	188	212252	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	13.368	240	197117	100.00	ng/ml	0.00
30) Perylene-d12 (ISTD)	16.585	264	205754	100.00	ng/ml	0.00
37) Dibenz(a,h)Anthrcene-d...	18.958	292	195735	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	6.414	82	32745	72.13	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.157	172	134714	81.50	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	9.620	330	29777	110.82	ng/ml	0.00
27) Terphenyl-d14 (Surr)	11.940	244	172271	90.90	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	0.000		0	N.D.		
4) Naphthalene	7.114	128	933	0.56	ng/ml	85
5) 2-Methylnaphthalene	7.790	142	202	N.D.		
6) 1-Methylnaphthalene	7.883	142	146	N.D.		
7) 1,1'-Biphenyl	8.250	154	657	0.43	ng/ml	88
8) 2,6-Dimethylnaphthalene	0.000		0	N.D.		
11) Acenaphthylene	8.676	152	104	N.D.		
12) Acenaphthene	8.845	153	56	N.D.		
13) Dibenzofuran	0.000		0	N.D.		
14) 1,6,7-Trimethylnaphtha...	0.000		0	N.D.		
15) Fluorene	9.375	166	149	N.D.		
18) Pentachlorophenol (PCP)	10.150	266	142	10.29	ng/ml#	61
19) Dibenzothiopene	0.000		0	N.D.		
20) Phenanthrene	10.337	178	578	N.D.		
21) Anthracene	10.389	178	54	N.D.		
22) Carbazole	10.564	167	65	N.D.		
23) 1-Methylphenanthrene	10.937	192	94	N.D.		
24) Fluoranthene	11.538	202	451	N.D.		
26) Pyrene	11.759	202	376	N.D.		
28) Benz(a)anthracene	13.368	228	757	N.D.		
29) Chrysene	13.415	228	237	N.D.		
31) Benzo(b)fluoranthene	15.699	252	373	N.D.		
32) Benzo(k)fluoranthene	15.769	252	106	N.D.		

Quantitation Report (QT Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052120.D
Acq On : 05 Jan 2021 11:58 pm
Operator : JK/ AMS/ DTH
Sample : 1012493-BLK1
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 06 13:00:36 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

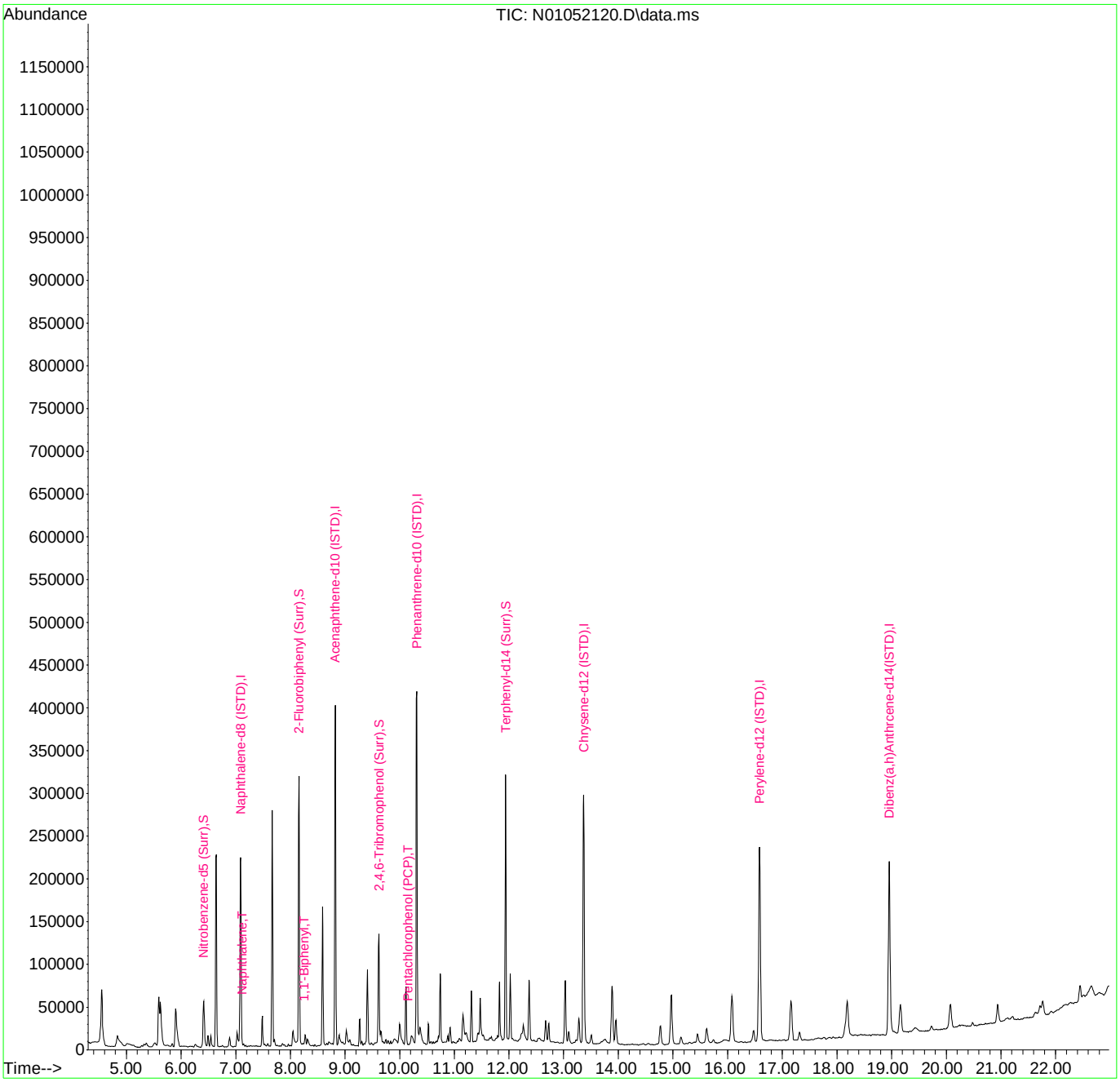
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	15.699	252	479	N.D.		
34) Benzo(e)pyrene	16.323	252	179	N.D.		
35) Benzo(a)pyrene	16.445	252	164	N.D.		
36) Perylene	16.638	252	183	N.D.		
38) Indeno(1,2,3-cd)Pyrene	18.958	276	291	N.D.		
39) Dibenz(a,h)anthracene	18.975	278	50	N.D.		
40) Benzo(g,h,i)perylene	19.488	276	223	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052120.D
Acq On : 05 Jan 2021 11:58 pm
Operator : JK/ AMS/ DTH
Sample : 1012493-BLK1
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 06 13:00:36 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052120.D
Acq On : 05 Jan 2021 11:58 pm
Operator : JK/ AMS/ DTH
Sample : 1012493-BLK1
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 06 13:00:36 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.090	136	162048	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	8.822	162	115612	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.314	188	212252	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	13.368	240	197117	100.00	ng/ml	0.00
30) Perylene-d12 (ISTD)	16.585	264	205754	100.00	ng/ml	0.00
37) Dibenz(a,h)Anthrcene-d...	18.958	292	195735	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	6.414	82	32745	72.13	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.157	172	134714	81.50	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	9.620	330	29777	110.82	ng/ml	0.00
27) Terphenyl-d14 (Surr)	11.940	244	172271	90.90	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	0.000		0	N.D.		
4) Naphthalene	7.114	128	933	0.56	ng/ml	85
5) 2-Methylnaphthalene	7.790	142	202	N.D.		
6) 1-Methylnaphthalene	7.883	142	146	N.D.		
7) 1,1'-Biphenyl	8.250	154	657	0.43	ng/ml	88
8) 2,6-Dimethylnaphthalene	0.000		0	N.D.		
11) Acenaphthylene	8.676	152	104	N.D.		
12) Acenaphthene	8.845	153	56	N.D.		
13) Dibenzofuran	0.000		0	N.D.		
14) 1,6,7-Trimethylnaphtha...	0.000		0	N.D.		
15) Fluorene	9.375	166	149	N.D.		
18) Pentachlorophenol (PCP)	10.150	266	142	10.29	ng/ml#	61
19) Dibenzothiopene	0.000		0	N.D.		
20) Phenanthrene	10.337	178	578	N.D.		
21) Anthracene	10.389	178	54	N.D.		
22) Carbazole	10.564	167	65	N.D.		
23) 1-Methylphenanthrene	10.937	192	94	N.D.		
24) Fluoranthene	11.538	202	451	N.D.		
26) Pyrene	11.759	202	376	N.D.		
28) Benz(a)anthracene	13.368	228	757	N.D.		
29) Chrysene	13.415	228	237	N.D.		
31) Benzo(b)fluoranthene	15.699	252	373	N.D.		
32) Benzo(k)fluoranthene	15.769	252	106	N.D.		

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052120.D
Acq On : 05 Jan 2021 11:58 pm
Operator : JK/ AMS/ DTH
Sample : 1012493-BLK1
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 06 13:00:36 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

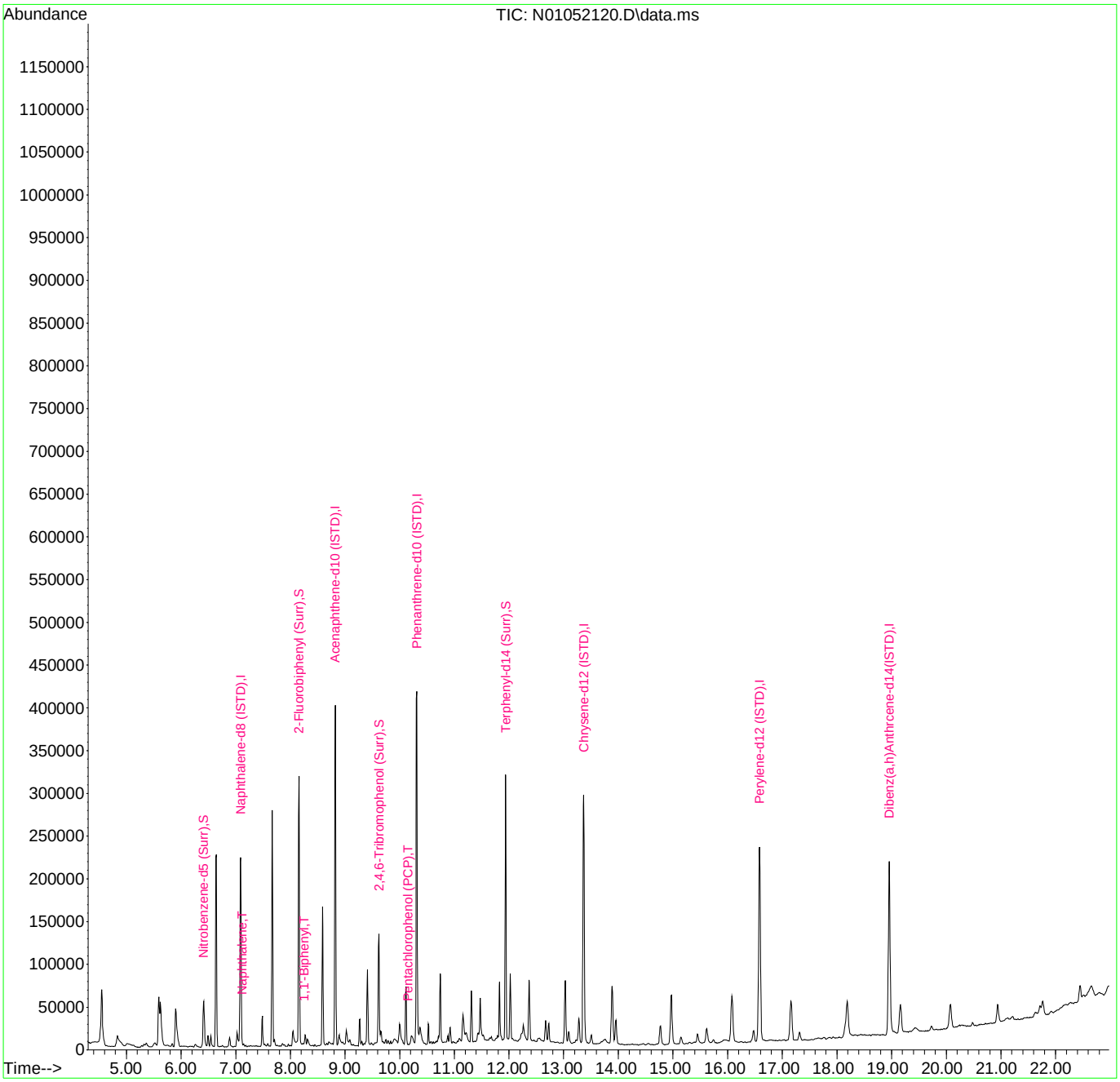
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	15.699	252	479	N.D.		
34) Benzo(e)pyrene	16.323	252	179	N.D.		
35) Benzo(a)pyrene	16.445	252	164	N.D.		
36) Perylene	16.638	252	183	N.D.		
38) Indeno(1,2,3-cd)Pyrene	18.958	276	291	N.D.		
39) Dibenz(a,h)anthracene	18.975	278	50	N.D.		
40) Benzo(g,h,i)perylene	19.488	276	223	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052120.D
Acq On : 05 Jan 2021 11:58 pm
Operator : JK/ AMS/ DTH
Sample : 1012493-BLK1
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 06 13:00:36 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

AMS 1/6/21

Data Path : U:\data\2021-01\1A05060\
Data File : N01052121.D
Acq On : 06 Jan 2021 12:28 am
Operator : JK/ AMS/ DTH
Sample : 1012493-BS1
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 06 13:01:22 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.085	136	177193	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	8.821	162	119489	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.314	188	225749	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	13.368	240	218516	100.00	ng/ml	0.00
30) Perylene-d12 (ISTD)	16.585	264	226105	100.00	ng/ml	0.00
37) Dibenz(a,h)Anthrcene-d...	18.963	292	214312	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	6.408	82	39651	79.88	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.157	172	150345	88.00	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	9.620	330	34832	121.41	ng/ml	0.00
27) Terphenyl-d14 (Surr)	11.940	244	190082	90.47	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	6.560	138	3816	36.28	ng/ml	80
4) Naphthalene	7.108	128	63890	34.97	ng/ml	99
5) 2-Methylnaphthalene	7.790	142	50769	38.42	ng/ml	96
6) 1-Methylnaphthalene	7.883	142	49111	37.14	ng/ml	95
7) 1,1'-Biphenyl	8.250	154	65471	38.94	ng/ml	96
8) 2,6-Dimethylnaphthalene	8.408	156	47400	38.47	ng/ml	98
11) Acenaphthylene	8.682	152	76026	37.96	ng/ml	99
12) Acenaphthene	8.856	153	53051	36.25	ng/ml	99
13) Dibenzofuran	9.031	168	70966	38.57	ng/ml	93
14) 1,6,7-Trimethylnaphtha...	9.241	170	47132	35.52	ng/ml	98
15) Fluorene	9.375	166	57001	38.26	ng/ml	100
18) Pentachlorophenol (PCP)	10.150	266	18064	138.62	ng/ml	97
19) Dibenzothiopene	10.209	184	79230	36.14	ng/ml	92
20) Phenanthrene	10.337	178	85532	35.01	ng/ml	100
21) Anthracene	10.389	178	76644	38.30	ng/ml	99
22) Carbazole	10.564	167	62890	42.28	ng/ml	98
23) 1-Methylphenanthrene	10.961	192	65356	37.20	ng/ml	99
24) Fluoranthene	11.538	202	96145	37.93	ng/ml	94
26) Pyrene	11.765	202	97201	33.22	ng/ml	99
28) Benz(a)anthracene	13.350	228	82169	37.61	ng/ml	100
29) Chrysene	13.414	228	82299	36.46	ng/ml	100
31) Benzo(b)fluoranthene	15.705	252	85978	37.50	ng/ml	91
32) Benzo(k)fluoranthene	15.769	252	79240	36.64	ng/ml	90

Quantitation Report (QT Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052121.D
Acq On : 06 Jan 2021 12:28 am
Operator : JK/ AMS/ DTH
Sample : 1012493-BS1
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 9 Sample Multiplier: 1

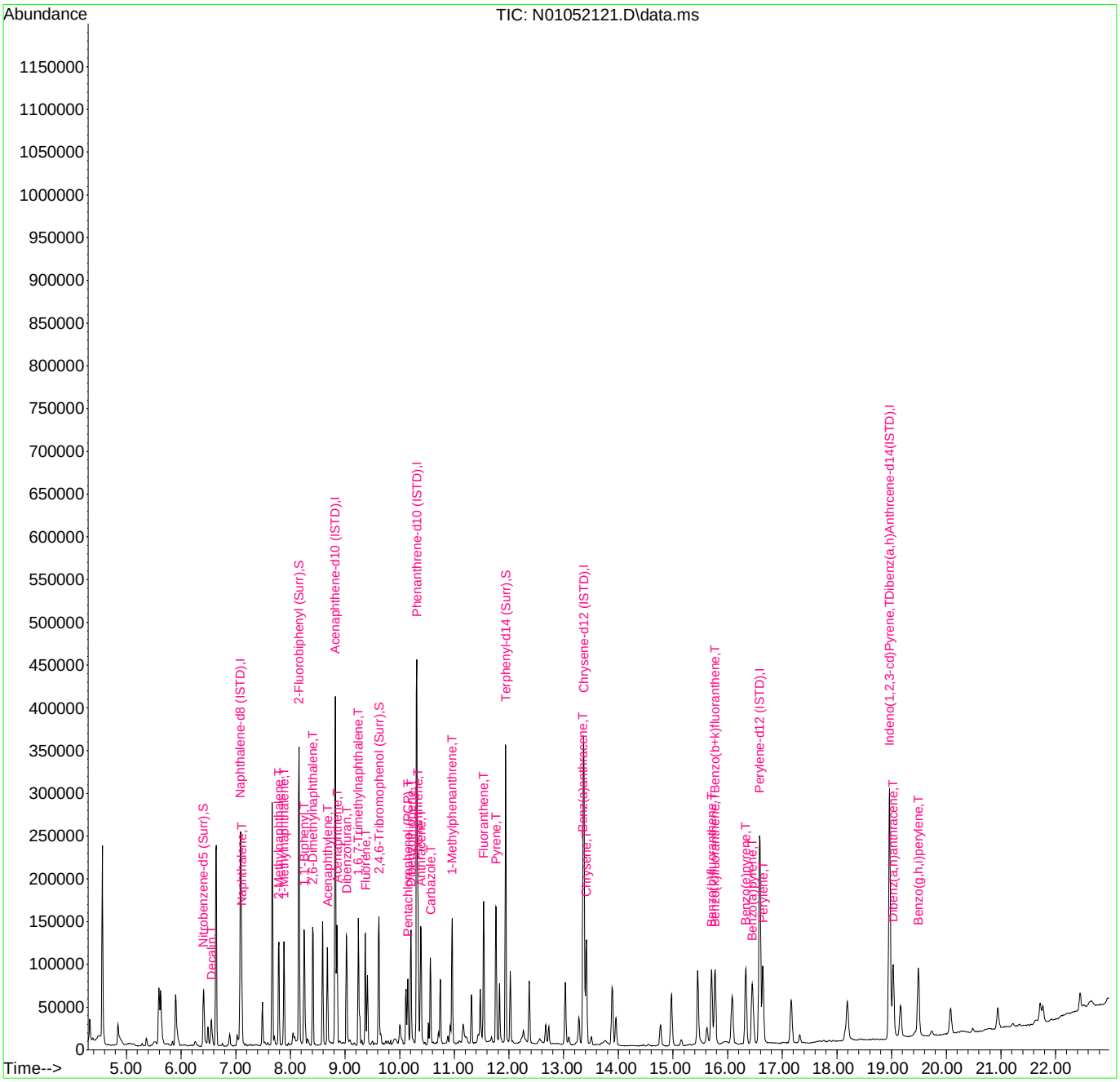
Quant Time: Jan 06 13:01:22 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	15.769	252	169458	72.63	ng/ml	90
34) Benzo(e)pyrene	16.335	252	82836	36.33	ng/ml	98
35) Benzo(a)pyrene	16.451	252	63408	38.15	ng/ml	94
36) Perylene	16.643	252	82353	33.37	ng/ml	100
38) Indeno(1,2,3-cd)Pyrene	18.963	276	77482	33.59	ng/ml	73
39) Dibenz(a,h)anthracene	19.027	278	74500	32.85	ng/ml	77
40) Benzo(g,h,i)perylene	19.488	276	79495	33.90	ng/ml	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : U:\data\2021-01\1A05060\
Data File : N01052121.D
Acq On : 06 Jan 2021 12:28 am
Operator : JK/ AMS/ DTH
Sample : 1012493-BS1
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 06 13:01:22 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052121.D
Acq On : 06 Jan 2021 12:28 am
Operator : JK/ AMS/ DTH
Sample : 1012493-BS1
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 06 13:01:22 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.085	136	177193	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	8.821	162	119489	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.314	188	225749	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	13.368	240	218516	100.00	ng/ml	0.00
30) Perylene-d12 (ISTD)	16.585	264	226105	100.00	ng/ml	0.00
37) Dibenz(a,h)Anthrcene-d...	18.963	292	214312	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	6.408	82	39651	79.88	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.157	172	150345	88.00	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	9.620	330	34832	121.41	ng/ml	0.00
27) Terphenyl-d14 (Surr)	11.940	244	190082	90.47	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	6.560	138	3816	36.28	ng/ml	80
4) Naphthalene	7.108	128	63890	34.97	ng/ml	99
5) 2-Methylnaphthalene	7.790	142	50769	38.42	ng/ml	96
6) 1-Methylnaphthalene	7.883	142	49111	37.14	ng/ml	95
7) 1,1'-Biphenyl	8.250	154	65471	38.94	ng/ml	96
8) 2,6-Dimethylnaphthalene	8.408	156	47400	38.47	ng/ml	98
11) Acenaphthylene	8.682	152	76026	37.96	ng/ml	99
12) Acenaphthene	8.856	153	53051	36.25	ng/ml	99
13) Dibenzofuran	9.031	168	70966	38.57	ng/ml	93
14) 1,6,7-Trimethylnaphtha...	9.241	170	47132	35.52	ng/ml	98
15) Fluorene	9.375	166	57001	38.26	ng/ml	100
18) Pentachlorophenol (PCP)	10.150	266	18064	138.62	ng/ml	97
19) Dibenzothiopene	10.209	184	79230	36.14	ng/ml	92
20) Phenanthrene	10.337	178	85532	35.01	ng/ml	100
21) Anthracene	10.389	178	76644	38.30	ng/ml	99
22) Carbazole	10.564	167	62890	42.28	ng/ml	98
23) 1-Methylphenanthrene	10.961	192	65356	37.20	ng/ml	99
24) Fluoranthene	11.538	202	96145	37.93	ng/ml	94
26) Pyrene	11.765	202	97201	33.22	ng/ml	99
28) Benz(a)anthracene	13.350	228	82169	37.61	ng/ml	100
29) Chrysene	13.414	228	82299	36.46	ng/ml	100
31) Benzo(b)fluoranthene	15.705	252	85978	37.50	ng/ml	91
32) Benzo(k)fluoranthene	15.769	252	79240	36.64	ng/ml	90

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052121.D
Acq On : 06 Jan 2021 12:28 am
Operator : JK/ AMS/ DTH
Sample : 1012493-BS1
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 06 13:01:22 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

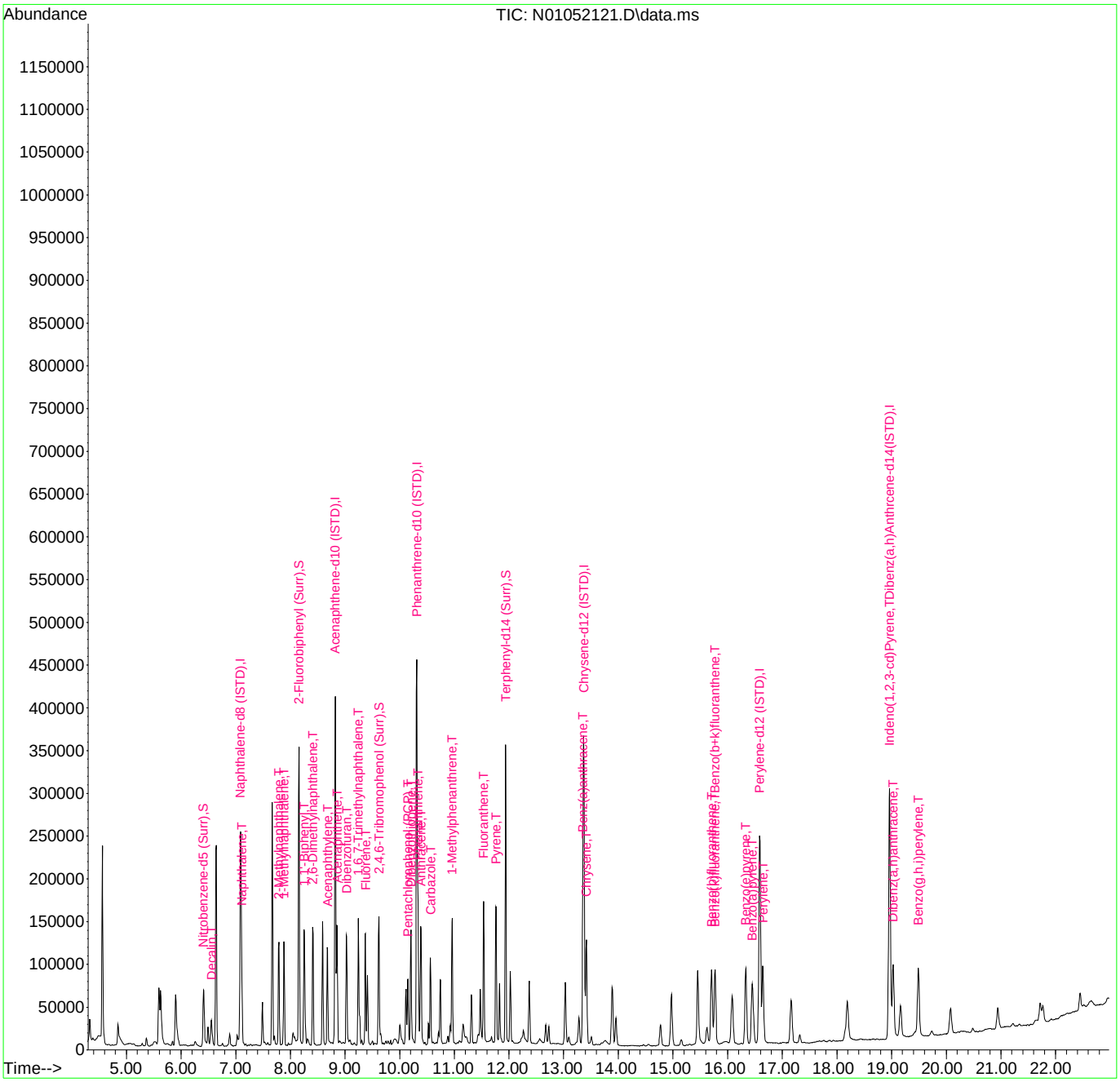
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	15.769	252	169458	72.63	ng/ml	90
34) Benzo(e)pyrene	16.335	252	82836	36.33	ng/ml	98
35) Benzo(a)pyrene	16.451	252	63408	38.15	ng/ml	94
36) Perylene	16.643	252	82353	33.37	ng/ml	100
38) Indeno(1,2,3-cd)Pyrene	18.963	276	77482	33.59	ng/ml	73
39) Dibenz(a,h)anthracene	19.027	278	74500	32.85	ng/ml	77
40) Benzo(g,h,i)perylene	19.488	276	79495	33.90	ng/ml	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052121.D
Acq On : 06 Jan 2021 12:28 am
Operator : JK/ AMS/ DTH
Sample : 1012493-BS1
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 06 13:01:22 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

AMS 1/6/21

Data Path : U:\data\2021-01\1A05060\
Data File : N01052122.D
Acq On : 06 Jan 2021 12:58 am
Operator : JK/ AMS/ DTH
Sample : A0K0482-22
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 06 13:02:36 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.090	136	187255	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	8.821	162	124792	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.314	188	228719	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	13.368	240	217282	100.00	ng/ml	0.00
30) Perylene-d12 (ISTD)	16.585	264	230777	100.00	ng/ml	0.00
37) Dibenz(a,h)Anthrcene-d...	18.957	292	209622	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	6.408	82	33562	63.98	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.157	172	133016	74.55	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	9.620	330	37760	129.54	ng/ml	0.00
27) Terphenyl-d14 (Surr)	11.940	244	166499	79.70	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	0.000		0	N.D.		
4) Naphthalene	7.108	128	2534	1.31	ng/ml	89
5) 2-Methylnaphthalene	7.790	142	771	0.55	ng/ml	95
6) 1-Methylnaphthalene	7.883	142	670	0.48	ng/ml#	74
7) 1,1'-Biphenyl	8.256	154	1108	0.62	ng/ml	78
8) 2,6-Dimethylnaphthalene	8.413	156	610	0.47	ng/ml	90
11) Acenaphthylene	8.682	152	369	N.D.		
12) Acenaphthene	8.856	153	1068	0.70	ng/ml	95
13) Dibenzofuran	9.025	168	566	N.D.		
14) 1,6,7-Trimethylnaphtha...	9.241	170	337	N.D.		
15) Fluorene	9.375	166	491	N.D.		
18) Pentachlorophenol (PCP)	10.150	266	399	12.46	ng/ml	92
19) Dibenzothiopene	10.209	184	584	N.D.		
20) Phenanthrene	10.337	178	2826	1.14	ng/ml	95
21) Anthracene	10.389	178	414	N.D.		
22) Carbazole	10.564	167	267	N.D.		
23) 1-Methylphenanthrene	10.961	192	476	N.D.		
24) Fluoranthene	11.538	202	2325	0.91	ng/ml	98
26) Pyrene	11.765	202	2591	0.89	ng/ml	93
28) Benz(a)anthracene	13.356	228	1231	0.57	ng/ml	83
29) Chrysene	13.409	228	888	N.D.		
31) Benzo(b)fluoranthene	15.711	252	1227	0.52	ng/ml	93
32) Benzo(k)fluoranthene	15.711	252	1685	0.76	ng/ml	92

Quantitation Report (QT Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052122.D
Acq On : 06 Jan 2021 12:58 am
Operator : JK/ AMS/ DTH
Sample : A0K0482-22
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 06 13:02:36 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

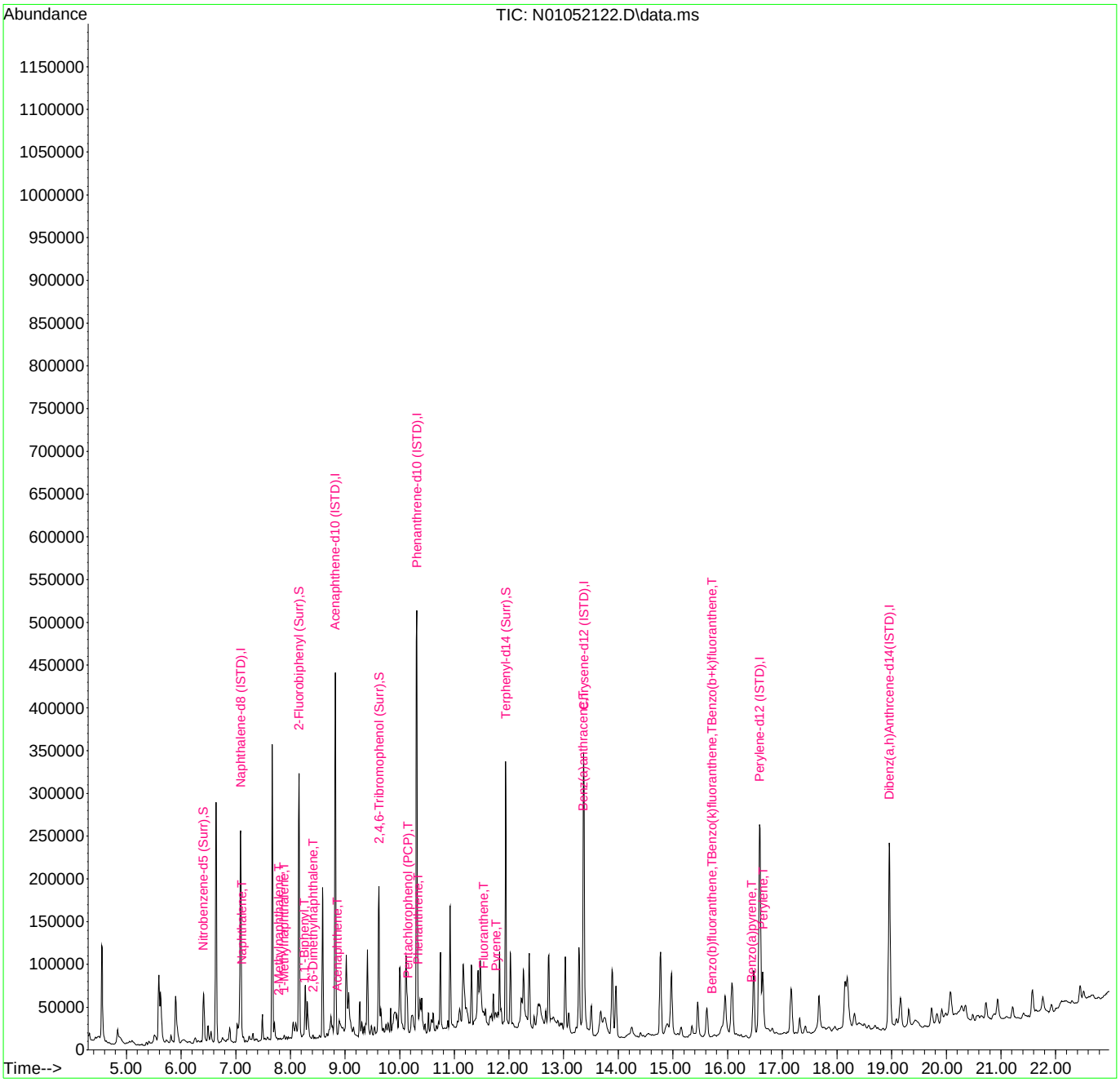
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	15.711	252	1748	0.73	ng/ml	92
34) Benzo(e)pyrene	16.329	252	724	N.D.		
35) Benzo(a)pyrene	16.445	252	1065	0.63	ng/ml#	8
36) Perylene	16.644	252	57764	22.93	ng/ml	99
38) Indeno(1,2,3-cd)Pyrene	18.963	276	886	N.D.		
39) Dibenz(a,h)anthracene	19.022	278	254	N.D.		
40) Benzo(g,h,i)perylene	19.488	276	883	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052122.D
Acq On : 06 Jan 2021 12:58 am
Operator : JK/ AMS/ DTH
Sample : A0K0482-22
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 06 13:02:36 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052122.D
Acq On : 06 Jan 2021 12:58 am
Operator : JK/ AMS/ DTH
Sample : A0K0482-22
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 06 13:02:36 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.090	136	187255	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	8.821	162	124792	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.314	188	228719	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	13.368	240	217282	100.00	ng/ml	0.00
30) Perylene-d12 (ISTD)	16.585	264	230777	100.00	ng/ml	0.00
37) Dibenz(a,h)Anthrcene-d...	18.957	292	209622	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	6.408	82	33562	63.98	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.157	172	133016	74.55	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	9.620	330	37760	129.54	ng/ml	0.00
27) Terphenyl-d14 (Surr)	11.940	244	166499	79.70	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	0.000		0	N.D.		
4) Naphthalene	7.108	128	2534	1.31	ng/ml	89
5) 2-Methylnaphthalene	7.790	142	771	0.55	ng/ml	95
6) 1-Methylnaphthalene	7.883	142	670	0.48	ng/ml#	74
7) 1,1'-Biphenyl	8.256	154	1108	0.62	ng/ml	78
8) 2,6-Dimethylnaphthalene	8.413	156	610	0.47	ng/ml	90
11) Acenaphthylene	8.682	152	369	N.D.		
12) Acenaphthene	8.856	153	1068	0.70	ng/ml	95
13) Dibenzofuran	9.025	168	566	N.D.		
14) 1,6,7-Trimethylnaphtha...	9.241	170	337	N.D.		
15) Fluorene	9.375	166	491	N.D.		
18) Pentachlorophenol (PCP)	10.150	266	399	12.46	ng/ml	92
19) Dibenzothiopene	10.209	184	584	N.D.		
20) Phenanthrene	10.337	178	2826	1.14	ng/ml	95
21) Anthracene	10.389	178	414	N.D.		
22) Carbazole	10.564	167	267	N.D.		
23) 1-Methylphenanthrene	10.961	192	476	N.D.		
24) Fluoranthene	11.538	202	2325	0.91	ng/ml	98
26) Pyrene	11.765	202	2591	0.89	ng/ml	93
28) Benz(a)anthracene	13.356	228	1231	0.57	ng/ml	83
29) Chrysene	13.409	228	888	N.D.		
31) Benzo(b)fluoranthene	15.711	252	1227	0.52	ng/ml	93
32) Benzo(k)fluoranthene	15.711	252	1685	0.76	ng/ml	92

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052122.D
Acq On : 06 Jan 2021 12:58 am
Operator : JK/ AMS/ DTH
Sample : A0K0482-22
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 06 13:02:36 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

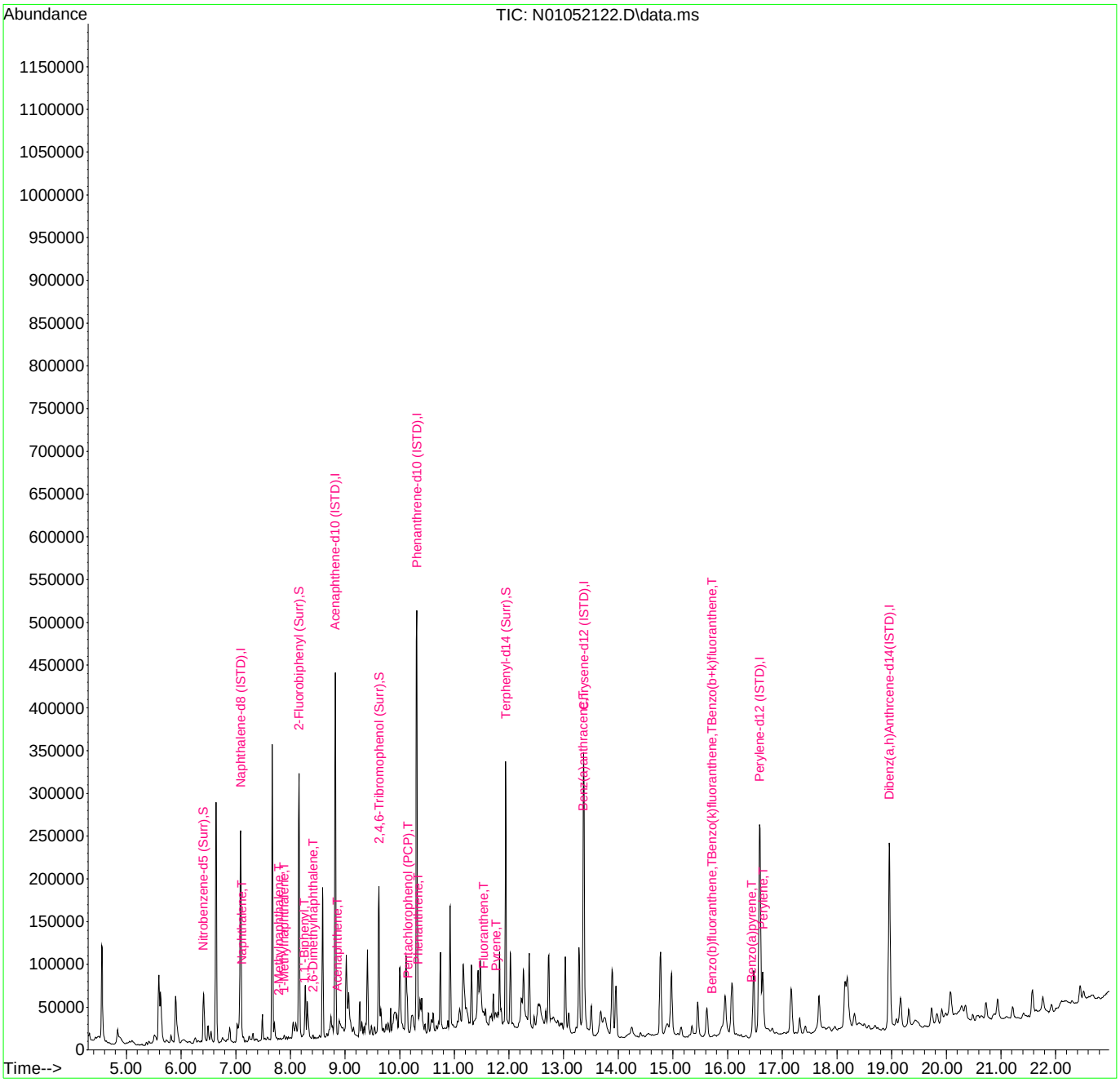
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	15.711	252	1748	0.73	ng/ml	92
34) Benzo(e)pyrene	16.329	252	724	N.D.		
35) Benzo(a)pyrene	16.445	252	1065	0.63	ng/ml#	8
36) Perylene	16.644	252	57764	22.93	ng/ml	99
38) Indeno(1,2,3-cd)Pyrene	18.963	276	886	N.D.		
39) Dibenz(a,h)anthracene	19.022	278	254	N.D.		
40) Benzo(g,h,i)perylene	19.488	276	883	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052122.D
Acq On : 06 Jan 2021 12:58 am
Operator : JK/ AMS/ DTH
Sample : A0K0482-22
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 06 13:02:36 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

AMS 1/6/21

Data Path : U:\data\2021-01\1A05060\
Data File : N01052123.D
Acq On : 06 Jan 2021 01:29 am
Operator : JK/ AMS/ DTH
Sample : 1012493-DUP1
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 06 13:54:39 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.090	136	188816	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	8.822	162	129630	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.314	188	248623	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	13.368	240	249204	100.00	ng/ml	0.00
30) Perylene-d12 (ISTD)	16.591	264	264031	100.00	ng/ml	0.00
37) Dibenz(a,h)Anthrcene-d...	18.963	292	245299	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	6.414	82	30465	57.60	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.157	172	126780	68.40	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	9.620	330	34752	110.43	ng/ml	0.00
27) Terphenyl-d14 (Surr)	11.940	244	180731	75.43	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	6.712	138	62	0.55	ng/ml#	47
4) Naphthalene	7.108	128	2594	1.33	ng/ml	87
5) 2-Methylnaphthalene	7.790	142	1153	0.82	ng/ml	89
6) 1-Methylnaphthalene	7.883	142	808	0.57	ng/ml	81
7) 1,1'-Biphenyl	8.250	154	1336	0.75	ng/ml	81
8) 2,6-Dimethylnaphthalene	8.414	156	1025	0.78	ng/ml	94
11) Acenaphthylene	8.682	152	602	N.D.		
12) Acenaphthene	8.851	153	1603	1.01	ng/ml	94
13) Dibenzofuran	9.026	168	549	N.D.		
14) 1,6,7-Trimethylnaphtha...	9.247	170	438	N.D.		
15) Fluorene	9.370	166	881	0.55	ng/ml	96
18) Pentachlorophenol (PCP)	10.151	266	448	12.57	ng/ml	91
19) Dibenzothiopene	10.209	184	1163	0.48	ng/ml	80
20) Phenanthrene	10.337	178	11153	4.14	ng/ml	98
21) Anthracene	10.390	178	1399	0.63	ng/ml	80
22) Carbazole	10.564	167	348	N.D.		
23) 1-Methylphenanthrene	10.955	192	685	N.D.		
24) Fluoranthene	11.538	202	6390	2.29	ng/ml	95
26) Pyrene	11.765	202	7668	2.30	ng/ml	97
28) Benz(a)anthracene	13.356	228	1797	0.72	ng/ml	85
29) Chrysene	13.415	228	2164	0.84	ng/ml	95
31) Benzo(b)fluoranthene	15.711	252	1637	0.61	ng/ml	84
32) Benzo(k)fluoranthene	15.711	252	2247	0.89	ng/ml	83

Quantitation Report (QT Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052123.D
Acq On : 06 Jan 2021 01:29 am
Operator : JK/ AMS/ DTH
Sample : 1012493-DUP1
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 06 13:54:39 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

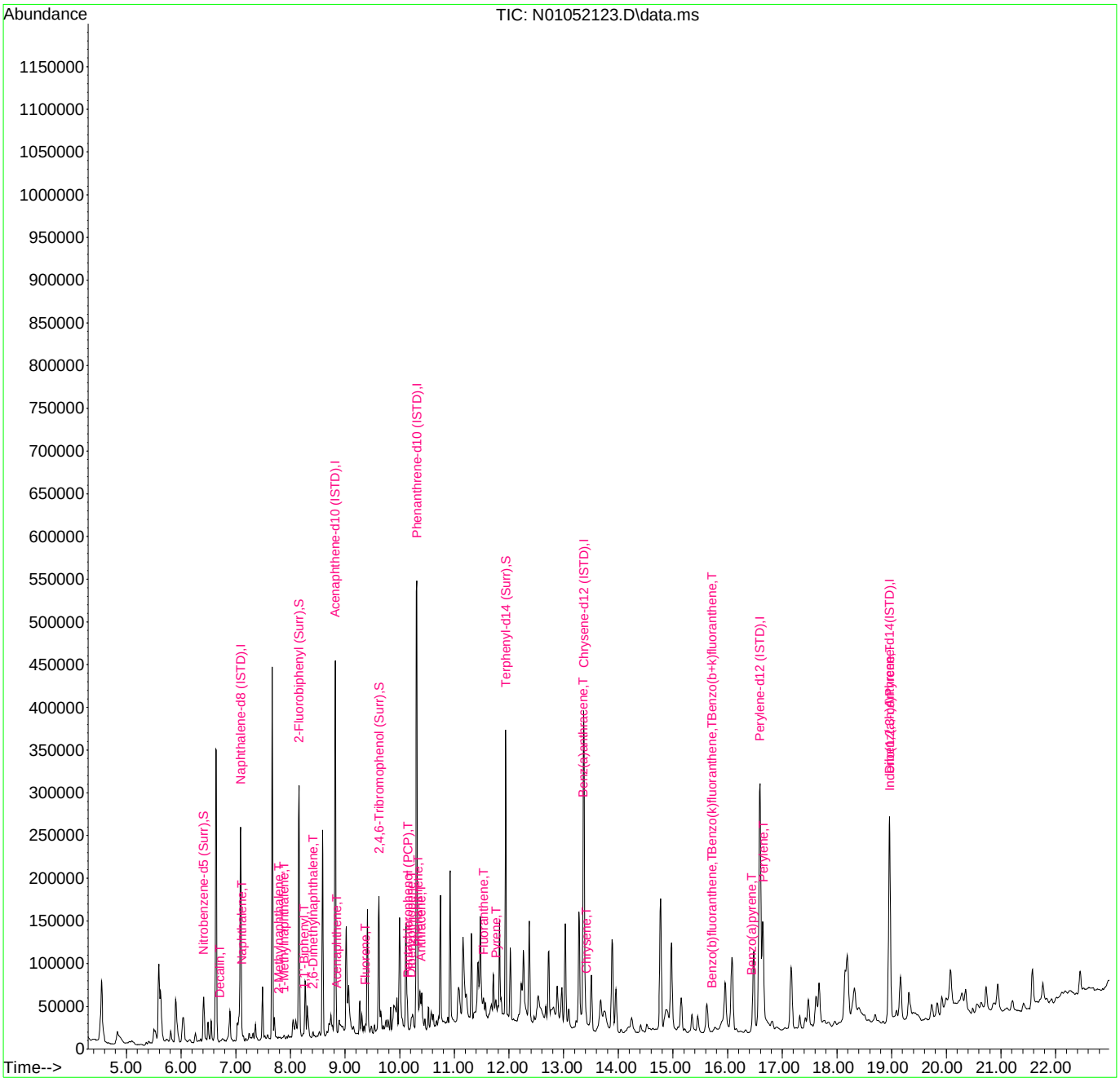
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	15.711	252	2824	1.04	ng/ml	83
34) Benzo(e)pyrene	16.335	252	1064	N.D.		
35) Benzo(a)pyrene	16.445	252	1041	0.54	ng/ml#	1
36) Perylene	16.649	252	99785	34.62	ng/ml	99
38) Indeno(1,2,3-cd)Pyrene	18.969	276	1060	0.40	ng/ml#	13
39) Dibenz(a,h)anthracene	19.016	278	249	N.D.		
40) Benzo(g,h,i)perylene	19.488	276	1016	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052123.D
Acq On : 06 Jan 2021 01:29 am
Operator : JK/ AMS/ DTH
Sample : 1012493-DUP1
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 06 13:54:39 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052123.D
Acq On : 06 Jan 2021 01:29 am
Operator : JK/ AMS/ DTH
Sample : 1012493-DUP1
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 06 13:54:39 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.090	136	188816	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	8.822	162	129630	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.314	188	248623	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	13.368	240	249204	100.00	ng/ml	0.00
30) Perylene-d12 (ISTD)	16.591	264	264031	100.00	ng/ml	0.00
37) Dibenz(a,h)Anthrcene-d...	18.963	292	245299	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	6.414	82	30465	57.60	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.157	172	126780	68.40	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	9.620	330	34752	110.43	ng/ml	0.00
27) Terphenyl-d14 (Surr)	11.940	244	180731	75.43	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	6.712	138	62	0.55	ng/ml#	47
4) Naphthalene	7.108	128	2594	1.33	ng/ml	87
5) 2-Methylnaphthalene	7.790	142	1153	0.82	ng/ml	89
6) 1-Methylnaphthalene	7.883	142	808	0.57	ng/ml	81
7) 1,1'-Biphenyl	8.250	154	1336	0.75	ng/ml	81
8) 2,6-Dimethylnaphthalene	8.414	156	1025	0.78	ng/ml	94
11) Acenaphthylene	8.682	152	602	N.D.		
12) Acenaphthene	8.851	153	1603	1.01	ng/ml	94
13) Dibenzofuran	9.026	168	549	N.D.		
14) 1,6,7-Trimethylnaphtha...	9.247	170	438	N.D.		
15) Fluorene	9.370	166	881	0.55	ng/ml	96
18) Pentachlorophenol (PCP)	10.151	266	448	12.57	ng/ml	91
19) Dibenzothiopene	10.209	184	1163	0.48	ng/ml	80
20) Phenanthrene	10.337	178	11153	4.14	ng/ml	98
21) Anthracene	10.390	178	1399	0.63	ng/ml	80
22) Carbazole	10.564	167	348	N.D.		
23) 1-Methylphenanthrene	10.955	192	685	N.D.		
24) Fluoranthene	11.538	202	6390	2.29	ng/ml	95
26) Pyrene	11.765	202	7668	2.30	ng/ml	97
28) Benz(a)anthracene	13.356	228	1797	0.72	ng/ml	85
29) Chrysene	13.415	228	2164	0.84	ng/ml	95
31) Benzo(b)fluoranthene	15.711	252	1637	0.61	ng/ml	84
32) Benzo(k)fluoranthene	15.711	252	2247	0.89	ng/ml	83

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052123.D
Acq On : 06 Jan 2021 01:29 am
Operator : JK/ AMS/ DTH
Sample : 1012493-DUP1
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 06 13:54:39 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

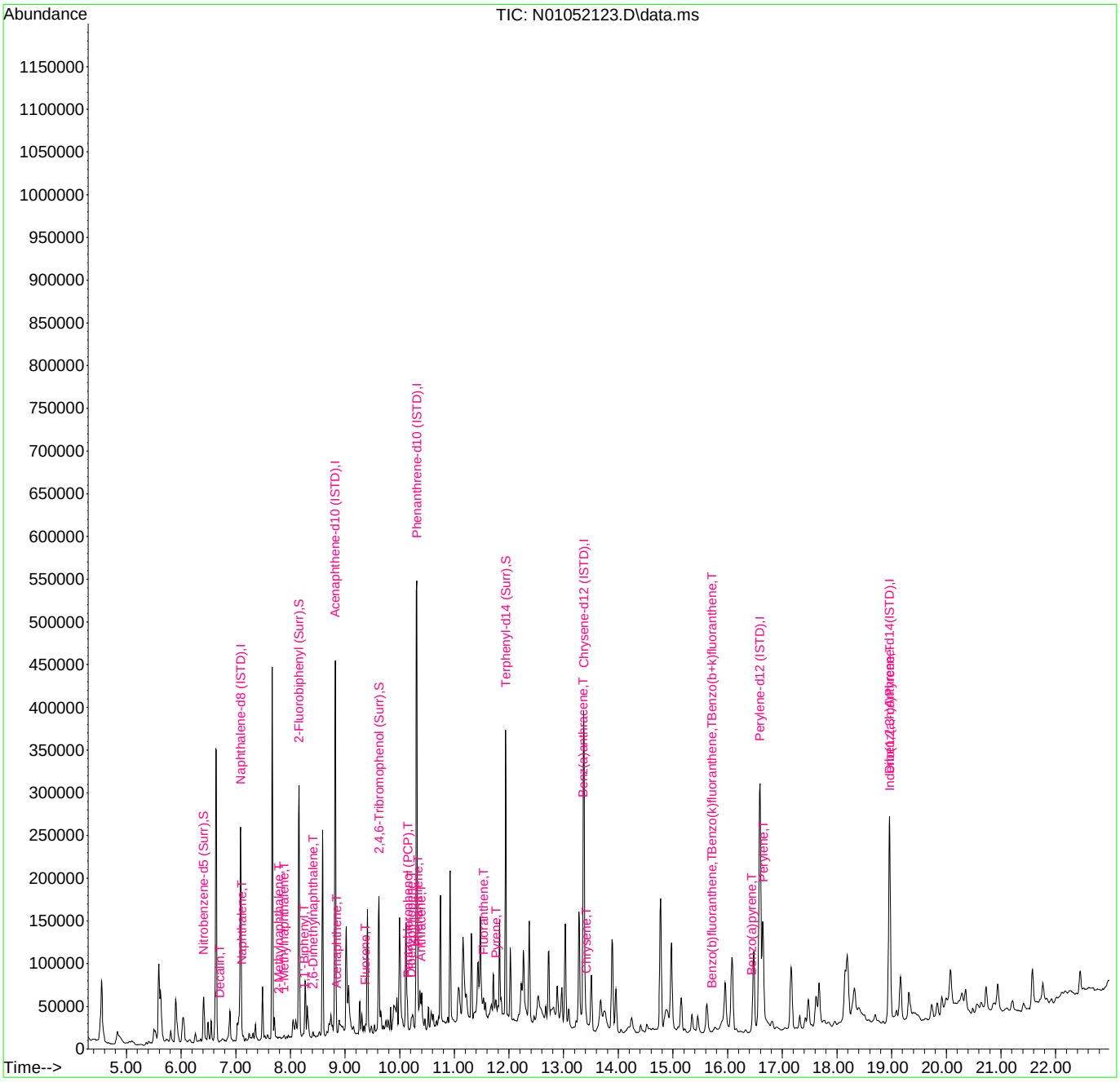
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	15.711	252	2824	1.04	ng/ml	83
34) Benzo(e)pyrene	16.335	252	1064	N.D.		
35) Benzo(a)pyrene	16.445	252	1041	0.54	ng/ml#	1
36) Perylene	16.649	252	99785	34.62	ng/ml	99
38) Indeno(1,2,3-cd)Pyrene	18.969	276	1060	0.40	ng/ml#	13
39) Dibenz(a,h)anthracene	19.016	278	249	N.D.		
40) Benzo(g,h,i)perylene	19.488	276	1016	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052123.D
Acq On : 06 Jan 2021 01:29 am
Operator : JK/ AMS/ DTH
Sample : 1012493-DUP1
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 11 Sample Multiplier: 1

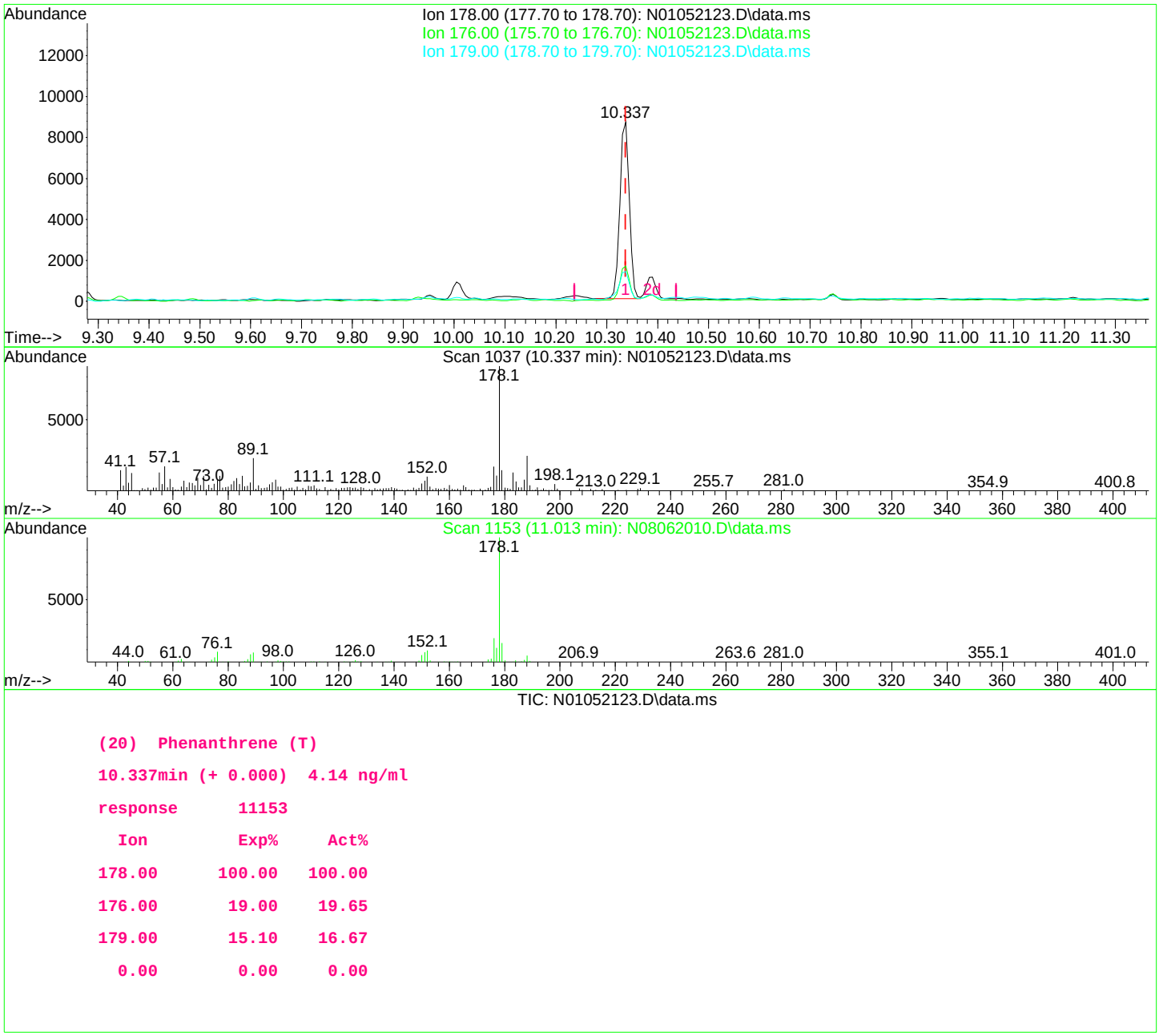
Quant Time: Jan 06 13:54:39 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052123.D
Acq On : 06 Jan 2021 01:29 am
Operator : JK/ AMS/ DTH
Sample : 1012493-DUP1
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 06 13:54:39 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01052123.D\data.ms

(20) Phenanthrene (T)

10.337min (+ 0.000) 4.14 ng/ml

response 11153

Ion	Exp%	Act%
178.00	100.00	100.00
176.00	19.00	19.65
179.00	15.10	16.67
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

AMS 1/6/21

Data Path : U:\data\2021-01\1A05060\
Data File : N01052124.D
Acq On : 06 Jan 2021 01:59 am
Operator : JK/ AMS/ DTH
Sample : 1012493-MS1
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 06 13:04:17 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.090	136	180734	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	8.821	162	117271	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.313	188	214937	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	13.368	240	202189	100.00	ng/ml	0.00
30) Perylene-d12 (ISTD)	16.591	264	215646	100.00	ng/ml	0.00
37) Dibenz(a,h)Anthrcene-d...	18.963	292	172003	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	6.414	82	36840	72.76	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.157	172	135742	80.96	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	9.620	330	33699	123.29	ng/ml	0.00
27) Terphenyl-d14 (Surr)	11.940	244	172883	88.93	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	6.560	138	5425	50.56	ng/ml	87
4) Naphthalene	7.108	128	59612	31.98	ng/ml	99
5) 2-Methylnaphthalene	7.790	142	45262	33.59	ng/ml	96
6) 1-Methylnaphthalene	7.883	142	45272	33.57	ng/ml	97
7) 1,1'-Biphenyl	8.256	154	58029	33.84	ng/ml	95
8) 2,6-Dimethylnaphthalene	8.413	156	43453	34.57	ng/ml	97
11) Acenaphthylene	8.681	152	70700	35.97	ng/ml	98
12) Acenaphthene	8.856	153	49335	34.35	ng/ml	99
13) Dibenzofuran	9.031	168	64451	35.69	ng/ml	94
14) 1,6,7-Trimethylnaphtha...	9.247	170	44728	34.35	ng/ml	99
15) Fluorene	9.375	166	53150	36.35	ng/ml	99
18) Pentachlorophenol (PCP)	10.150	266	23245	174.76	ng/ml	99
19) Dibenzothiopene	10.209	184	74966	35.92	ng/ml	93
20) Phenanthrene	10.337	178	80719	34.70	ng/ml	99
21) Anthracene	10.389	178	69816	36.64	ng/ml	98
22) Carbazole	10.564	167	55636	39.28	ng/ml	99
23) 1-Methylphenanthrene	10.960	192	61356	36.68	ng/ml	98
24) Fluoranthene	11.537	202	94671	39.23	ng/ml	94
26) Pyrene	11.765	202	96814	35.76	ng/ml	99
28) Benz(a)anthracene	13.356	228	75068	37.14	ng/ml	100
29) Chrysene	13.414	228	73970	35.42	ng/ml	99
31) Benzo(b)fluoranthene	15.711	252	81649	37.34	ng/ml	90
32) Benzo(k)fluoranthene	15.769	252	73548	35.65	ng/ml	90

Quantitation Report (QT Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052124.D
Acq On : 06 Jan 2021 01:59 am
Operator : JK/ AMS/ DTH
Sample : 1012493-MS1
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 06 13:04:17 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

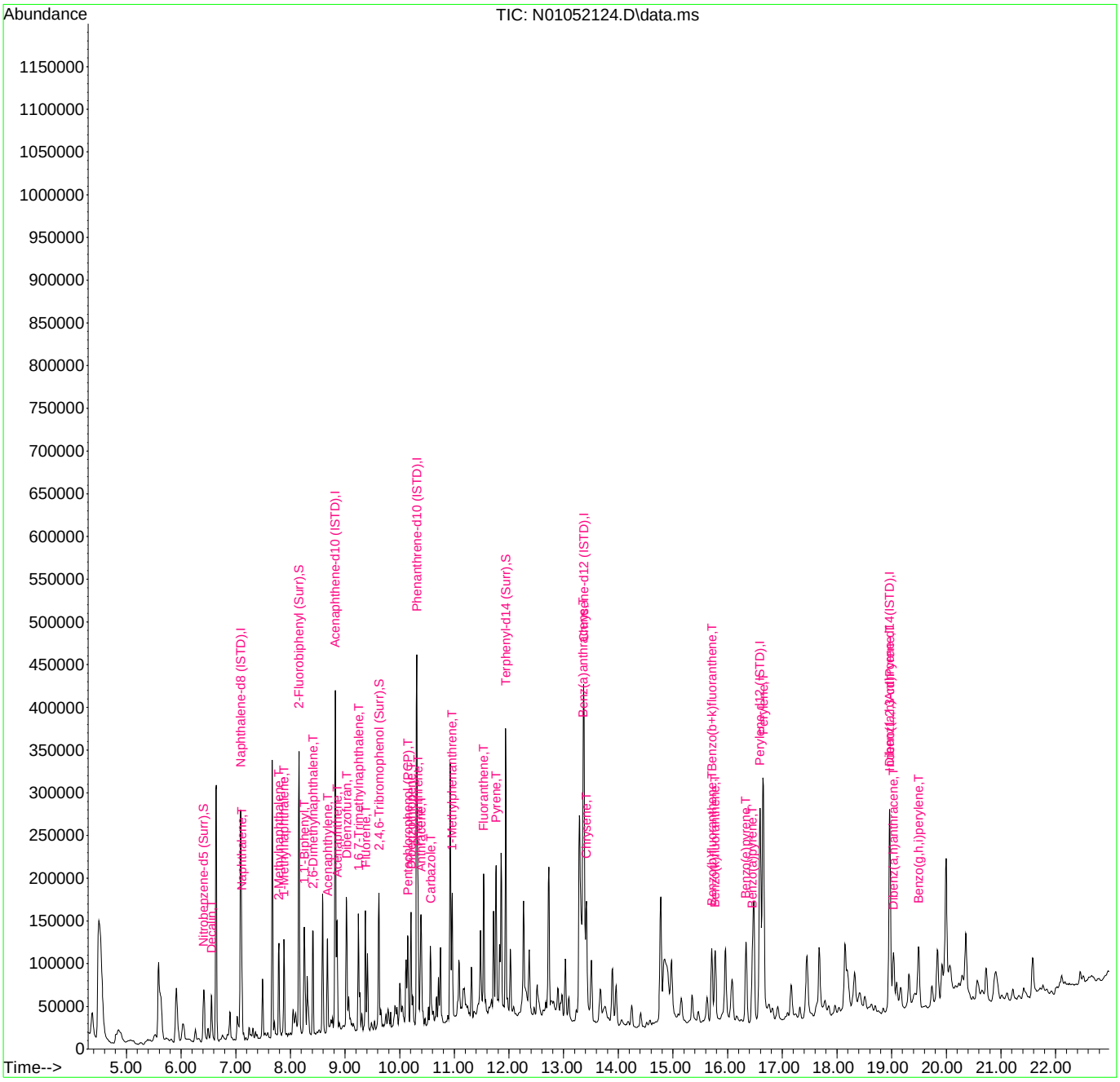
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	15.711	252	158703	71.32	ng/ml	88
34) Benzo(e)pyrene	16.334	252	81213	37.35	ng/ml	97
35) Benzo(a)pyrene	16.451	252	57846	36.49	ng/ml	96
36) Perylene	16.649	252	246315	104.64	ng/ml	99
38) Indeno(1,2,3-cd)Pyrene	18.969	276	61681	33.32	ng/ml	75
39) Dibenz(a,h)anthracene	19.033	278	55259	30.36	ng/ml	77
40) Benzo(g,h,i)perylene	19.494	276	66770	35.48	ng/ml	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052124.D
Acq On : 06 Jan 2021 01:59 am
Operator : JK/ AMS/ DTH
Sample : 1012493-MS1
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 06 13:04:17 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052124.D
Acq On : 06 Jan 2021 01:59 am
Operator : JK/ AMS/ DTH
Sample : 1012493-MS1
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 06 13:04:17 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.090	136	180734	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	8.821	162	117271	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.313	188	214937	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	13.368	240	202189	100.00	ng/ml	0.00
30) Perylene-d12 (ISTD)	16.591	264	215646	100.00	ng/ml	0.00
37) Dibenz(a,h)Anthrcene-d...	18.963	292	172003	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	6.414	82	36840	72.76	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.157	172	135742	80.96	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	9.620	330	33699	123.29	ng/ml	0.00
27) Terphenyl-d14 (Surr)	11.940	244	172883	88.93	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	6.560	138	5425	50.56	ng/ml	87
4) Naphthalene	7.108	128	59612	31.98	ng/ml	99
5) 2-Methylnaphthalene	7.790	142	45262	33.59	ng/ml	96
6) 1-Methylnaphthalene	7.883	142	45272	33.57	ng/ml	97
7) 1,1'-Biphenyl	8.256	154	58029	33.84	ng/ml	95
8) 2,6-Dimethylnaphthalene	8.413	156	43453	34.57	ng/ml	97
11) Acenaphthylene	8.681	152	70700	35.97	ng/ml	98
12) Acenaphthene	8.856	153	49335	34.35	ng/ml	99
13) Dibenzofuran	9.031	168	64451	35.69	ng/ml	94
14) 1,6,7-Trimethylnaphtha...	9.247	170	44728	34.35	ng/ml	99
15) Fluorene	9.375	166	53150	36.35	ng/ml	99
18) Pentachlorophenol (PCP)	10.150	266	23245	174.76	ng/ml	99
19) Dibenzothiopene	10.209	184	74966	35.92	ng/ml	93
20) Phenanthrene	10.337	178	80719	34.70	ng/ml	99
21) Anthracene	10.389	178	69816	36.64	ng/ml	98
22) Carbazole	10.564	167	55636	39.28	ng/ml	99
23) 1-Methylphenanthrene	10.960	192	61356	36.68	ng/ml	98
24) Fluoranthene	11.537	202	94671	39.23	ng/ml	94
26) Pyrene	11.765	202	96814	35.76	ng/ml	99
28) Benz(a)anthracene	13.356	228	75068	37.14	ng/ml	100
29) Chrysene	13.414	228	73970	35.42	ng/ml	99
31) Benzo(b)fluoranthene	15.711	252	81649	37.34	ng/ml	90
32) Benzo(k)fluoranthene	15.769	252	73548	35.65	ng/ml	90

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052124.D
Acq On : 06 Jan 2021 01:59 am
Operator : JK/ AMS/ DTH
Sample : 1012493-MS1
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 06 13:04:17 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

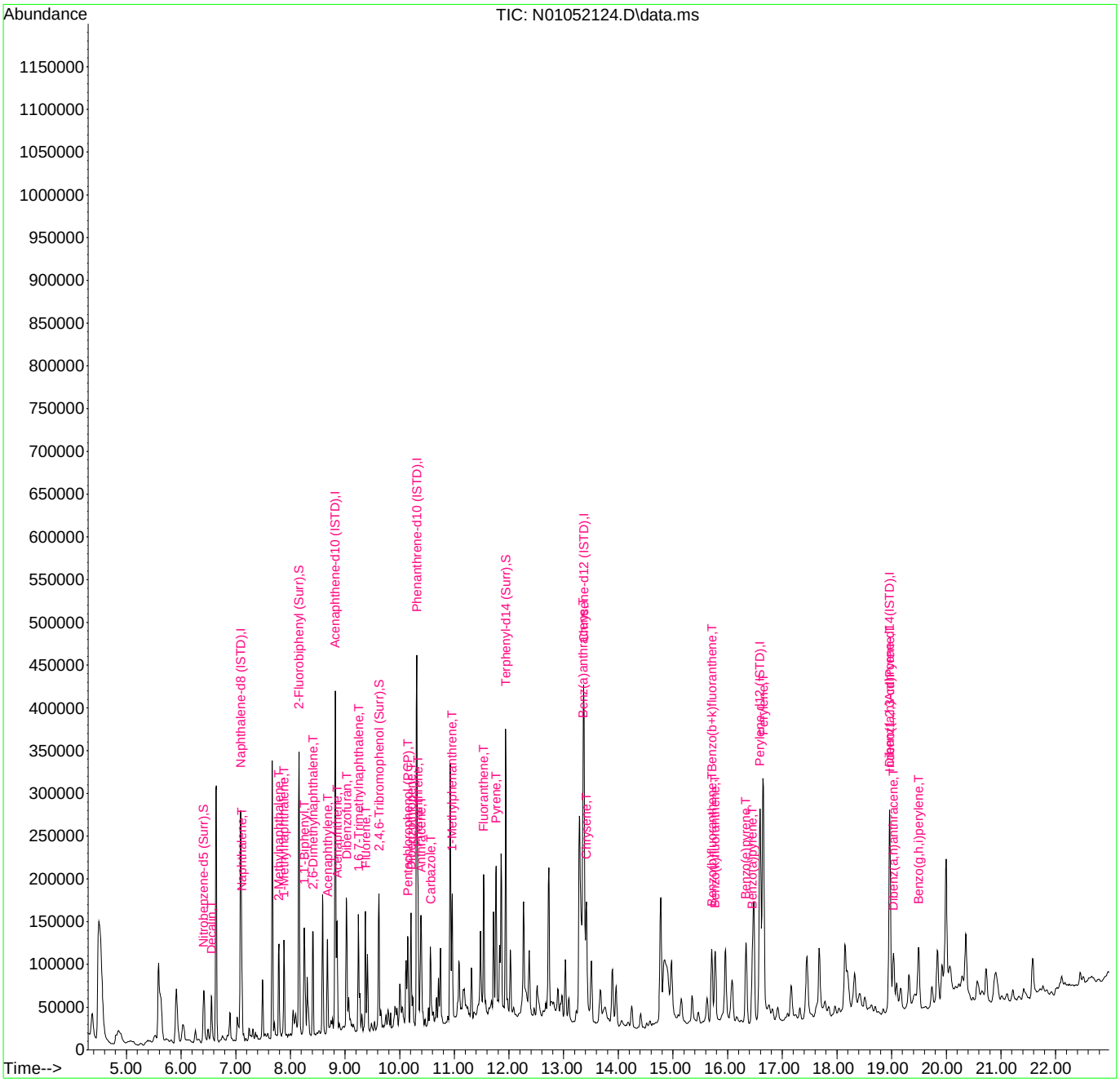
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	15.711	252	158703	71.32	ng/ml	88
34) Benzo(e)pyrene	16.334	252	81213	37.35	ng/ml	97
35) Benzo(a)pyrene	16.451	252	57846	36.49	ng/ml	96
36) Perylene	16.649	252	246315	104.64	ng/ml	99
38) Indeno(1,2,3-cd)Pyrene	18.969	276	61681	33.32	ng/ml	75
39) Dibenz(a,h)anthracene	19.033	278	55259	30.36	ng/ml	77
40) Benzo(g,h,i)perylene	19.494	276	66770	35.48	ng/ml	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052124.D
Acq On : 06 Jan 2021 01:59 am
Operator : JK/ AMS/ DTH
Sample : 1012493-MS1
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 06 13:04:17 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

AMS 1/6/21

Data Path : U:\data\2021-01\1A05060\
Data File : N01052125.D
Acq On : 06 Jan 2021 02:30 am
Operator : JK/ AMS/ DTH
Sample : A0K0482-03
Misc : 1x, 8270E LL PAH ONLY (QC SOURCE)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jan 06 13:05:55 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.090	136	171217	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	8.821	162	117711	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.313	188	211221	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	13.368	240	195766	100.00	ng/ml	0.00
30) Perylene-d12 (ISTD)	16.585	264	209515	100.00	ng/ml	0.00
37) Dibenz(a,h)Anthrcene-d...	18.963	292	177888	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	6.420	82	30008	62.56	ng/ml	0.01
10) 2-Fluorobiphenyl (Surr)	8.157	172	114412	67.98	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	9.620	330	25731	96.78	ng/ml	0.00
27) Terphenyl-d14 (Surr)	11.940	244	151704	80.60	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	6.572	138	63	0.62	ng/ml#	1
4) Naphthalene	7.114	128	2524	1.43	ng/ml	90
5) 2-Methylnaphthalene	7.790	142	740	0.58	ng/ml	99
6) 1-Methylnaphthalene	7.883	142	453	N.D.		
7) 1,1'-Biphenyl	8.256	154	1439	0.89	ng/ml	95
8) 2,6-Dimethylnaphthalene	8.413	156	406	N.D.		
11) Acenaphthylene	8.681	152	1963	0.99	ng/ml	94
12) Acenaphthene	8.851	153	5103	3.54	ng/ml	96
13) Dibenzofuran	9.031	168	405	N.D.		
14) 1,6,7-Trimethylnaphtha...	9.241	170	640	0.49	ng/ml	88
15) Fluorene	9.375	166	1158	0.79	ng/ml	88
18) Pentachlorophenol (PCP)	10.156	266	147	10.34	ng/ml#	45
19) Dibenzothiopene	10.209	184	2917	1.42	ng/ml	90
20) Phenanthrene	10.337	178	20729	9.07	ng/ml	97
21) Anthracene	10.389	178	1318	0.70	ng/ml	81
22) Carbazole	10.564	167	289	N.D.		
23) 1-Methylphenanthrene	10.955	192	1206	0.73	ng/ml	90
24) Fluoranthene	11.538	202	14402	6.07	ng/ml	94
26) Pyrene	11.765	202	21600	8.24	ng/ml	99
28) Benz(a)anthracene	13.350	228	5262	2.69	ng/ml	68
29) Chrysene	13.414	228	6585	3.26	ng/ml	96
31) Benzo(b)fluoranthene	15.711	252	8649	4.07	ng/ml	89
32) Benzo(k)fluoranthene	15.769	252	2565m	1.28	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052125.D
Acq On : 06 Jan 2021 02:30 am
Operator : JK/ AMS/ DTH
Sample : A0K0482-03
Misc : 1x, 8270E LL PAH ONLY (QC SOURCE)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jan 06 13:05:55 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	15.711	252	11664	5.39	ng/ml	87
34) Benzo(e)pyrene	16.334	252	5689	2.69	ng/ml	99
35) Benzo(a)pyrene	16.451	252	7243	4.70	ng/ml	87
36) Perylene	16.643	252	68902	30.13	ng/ml	99
38) Indeno(1,2,3-cd)Pyrene	18.963	276	5574	2.91	ng/ml	86
39) Dibenz(a,h)anthracene	19.027	278	859	0.46	ng/ml	67
40) Benzo(g,h,i)perylene	19.494	276	6801	3.49	ng/ml	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052125.D
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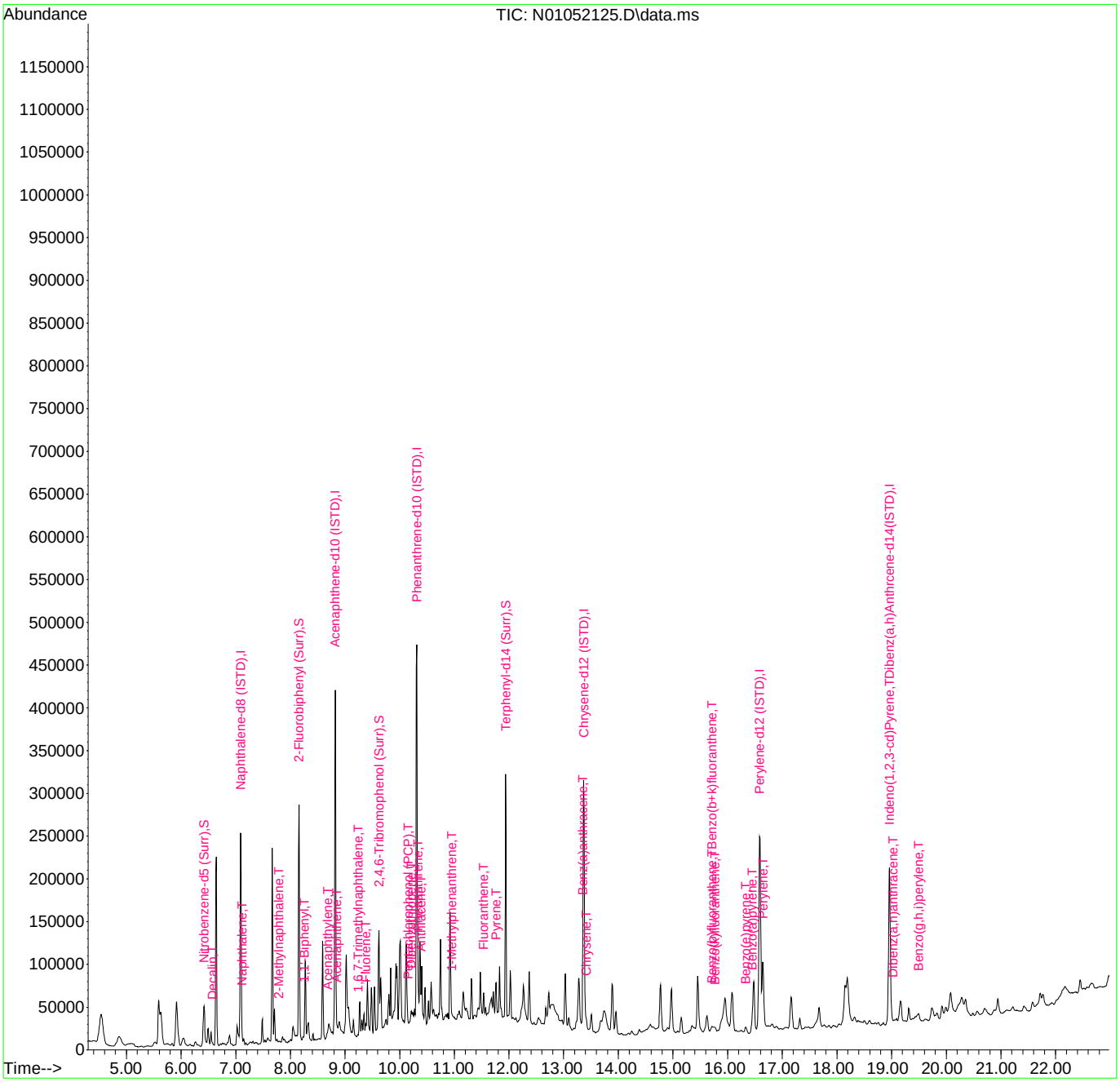
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jan 06 13:05:55 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052125.D
Acq On : 06 Jan 2021 02:30 am
Operator : JK/ AMS/ DTH
Sample : A0K0482-03
Misc : 1x, 8270E LL PAH ONLY (QC SOURCE)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jan 06 13:04:53 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

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Internal Standards						
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9) Acenaphthene-d10 (ISTD)	8.821	162	117711	100.00	ng/ml	0.00
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2) Nitrobenzene-d5 (Surr)	6.420	82	30008	62.56	ng/ml	0.01
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27) Terphenyl-d14 (Surr)	11.940	244	151704	80.60	ng/ml	0.00
Target Compounds						Qvalue
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8) 2,6-Dimethylnaphthalene	8.413	156	406	N.D.		
11) Acenaphthylene	8.681	152	1963	0.99	ng/ml	94
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28) Benz(a)anthracene	13.350	228	5262	2.69	ng/ml	68
29) Chrysene	13.414	228	6585	3.26	ng/ml	96
31) Benzo(b)fluoranthene	15.711	252	8649	4.07	ng/ml	89
32) Benzo(k)fluoranthene	15.711	252	10880	5.43	ng/ml	87

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052125.D
Acq On : 06 Jan 2021 02:30 am
Operator : JK/ AMS/ DTH
Sample : A0K0482-03
Misc : 1x, 8270E LL PAH ONLY (QC SOURCE)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jan 06 13:04:53 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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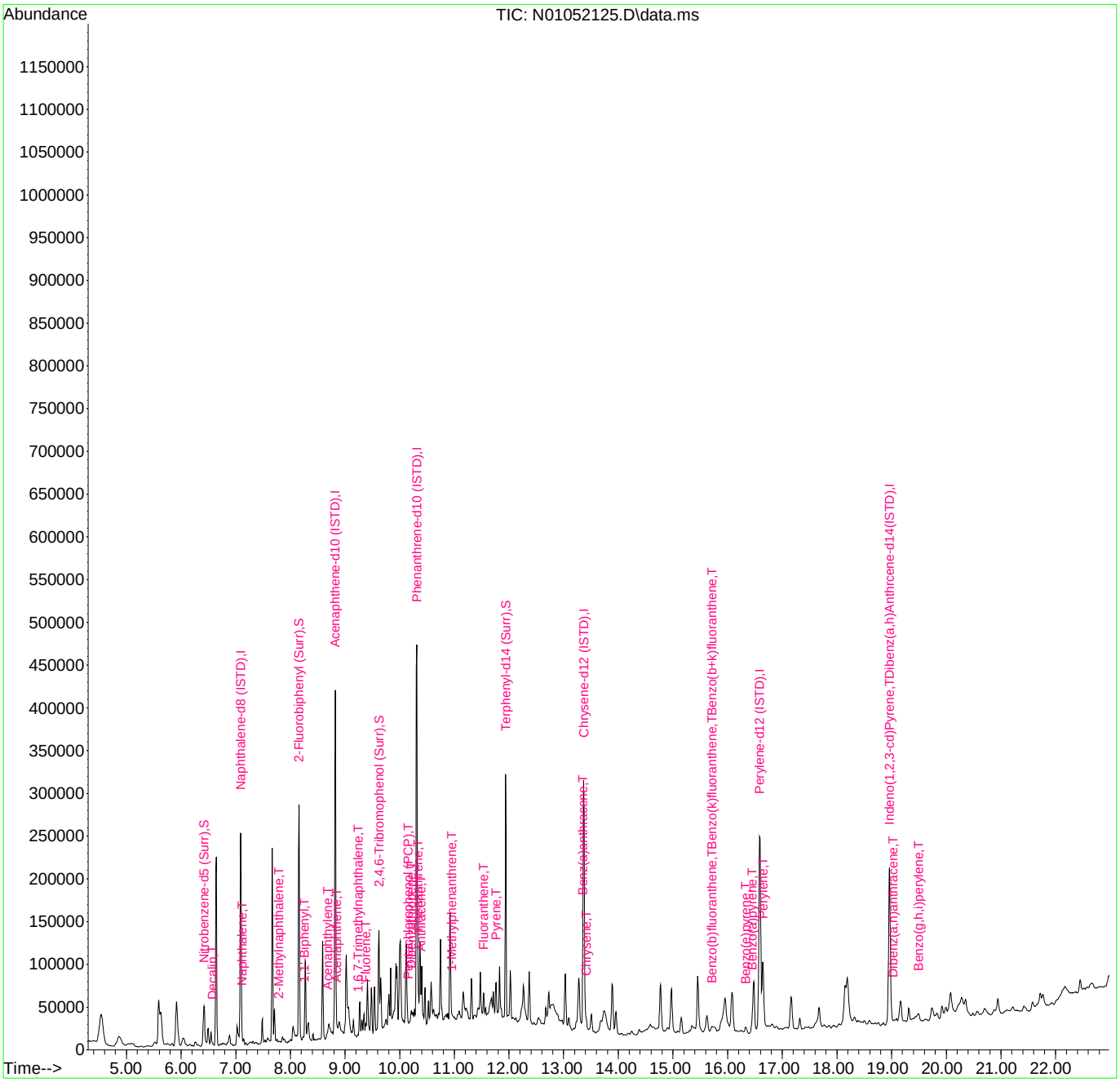
35) Benzo(a)pyrene	16.451	252	7243	4.70	ng/ml	87
36) Perylene	16.643	252	68902	30.13	ng/ml	99
38) Indeno(1,2,3-cd)Pyrene	18.963	276	5574	2.91	ng/ml	86
39) Dibenz(a,h)anthracene	19.027	278	859	0.46	ng/ml	67
40) Benzo(g,h,i)perylene	19.494	276	6801	3.49	ng/ml	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052125.D
Acq On : 06 Jan 2021 02:30 am
Operator : JK/ AMS/ DTH
Sample : A0K0482-03
Misc : 1x, 8270E LL PAH ONLY (QC SOURCE)
ALS Vial : 13 Sample Multiplier: 1

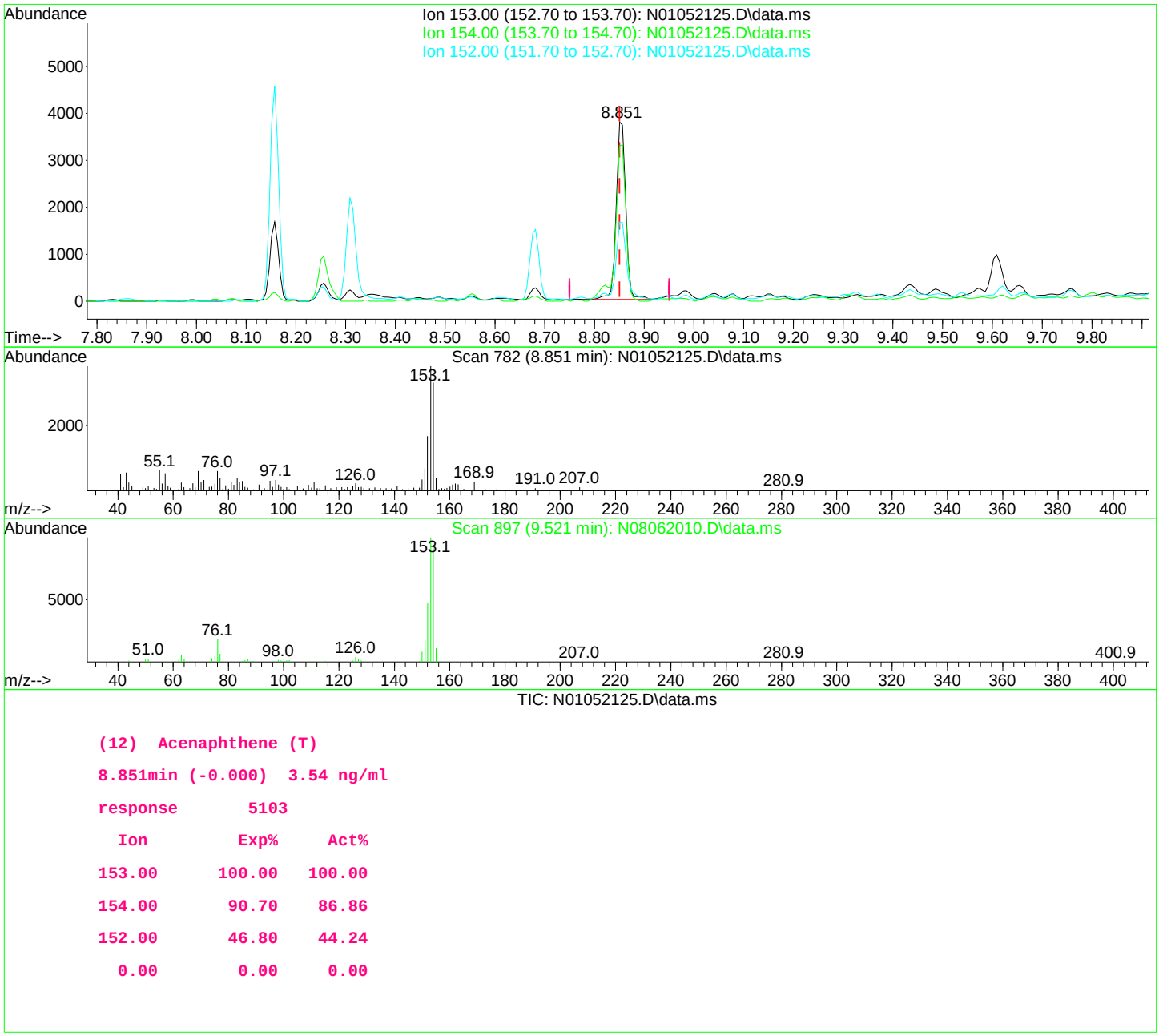
Quant Time: Jan 06 13:04:53 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052125.D
Acq On : 06 Jan 2021 02:30 am
Operator : JK/ AMS/ DTH
Sample : A0K0482-03
Misc : 1x, 8270E LL PAH ONLY (QC SOURCE)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jan 06 13:04:53 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01052125.D\data.ms

(12) Acenaphthene (T)

8.851min (-0.000) 3.54 ng/ml

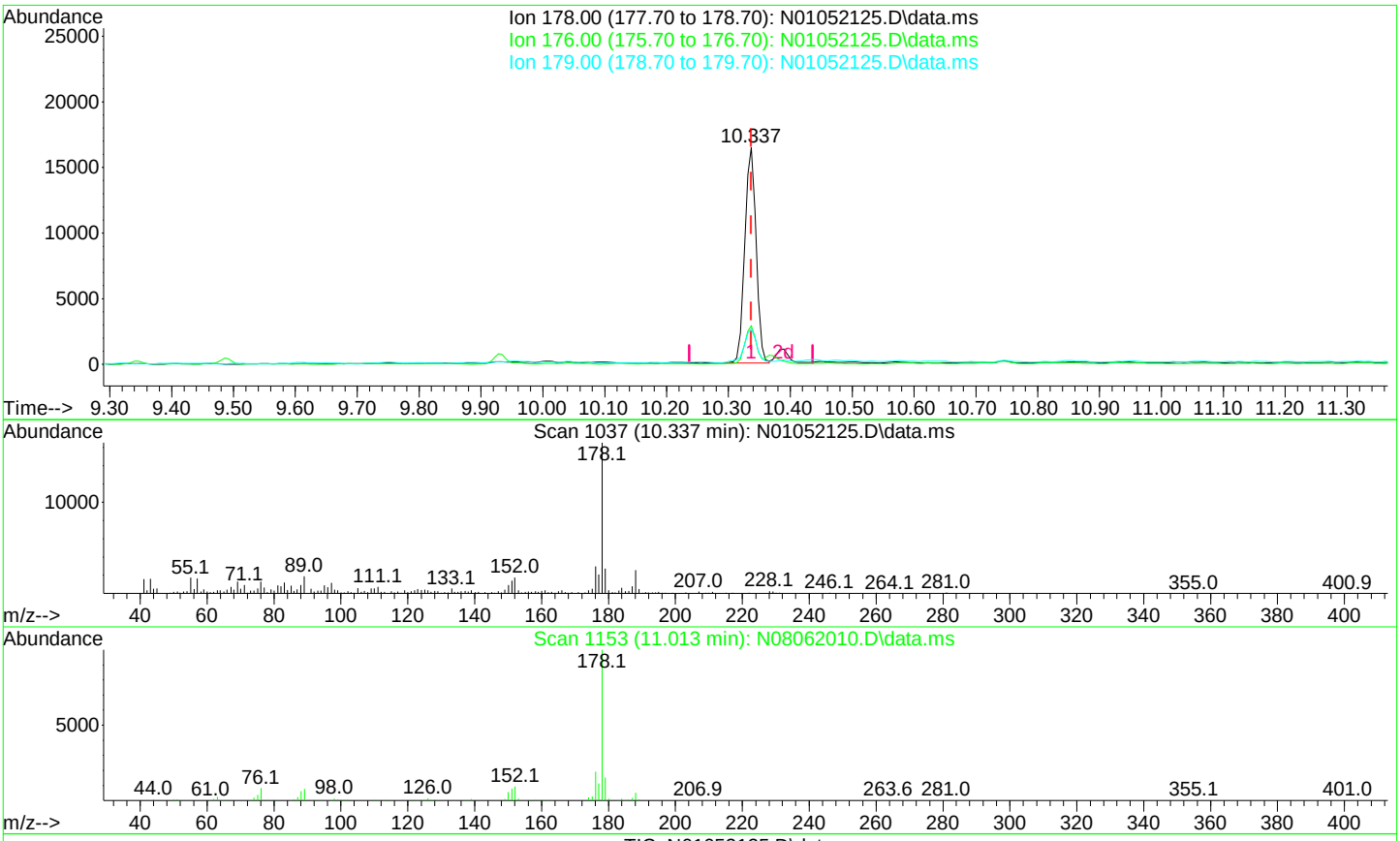
response 5103

Ion	Exp%	Act%
153.00	100.00	100.00
154.00	90.70	86.86
152.00	46.80	44.24
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052125.D
Acq On : 06 Jan 2021 02:30 am
Operator : JK/ AMS/ DTH
Sample : A0K0482-03
Misc : 1x, 8270E LL PAH ONLY (QC SOURCE)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jan 06 13:04:53 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01052125.D\data.ms

(20) Phenanthrene (T)

10.337min (-0.000) 9.07 ng/ml

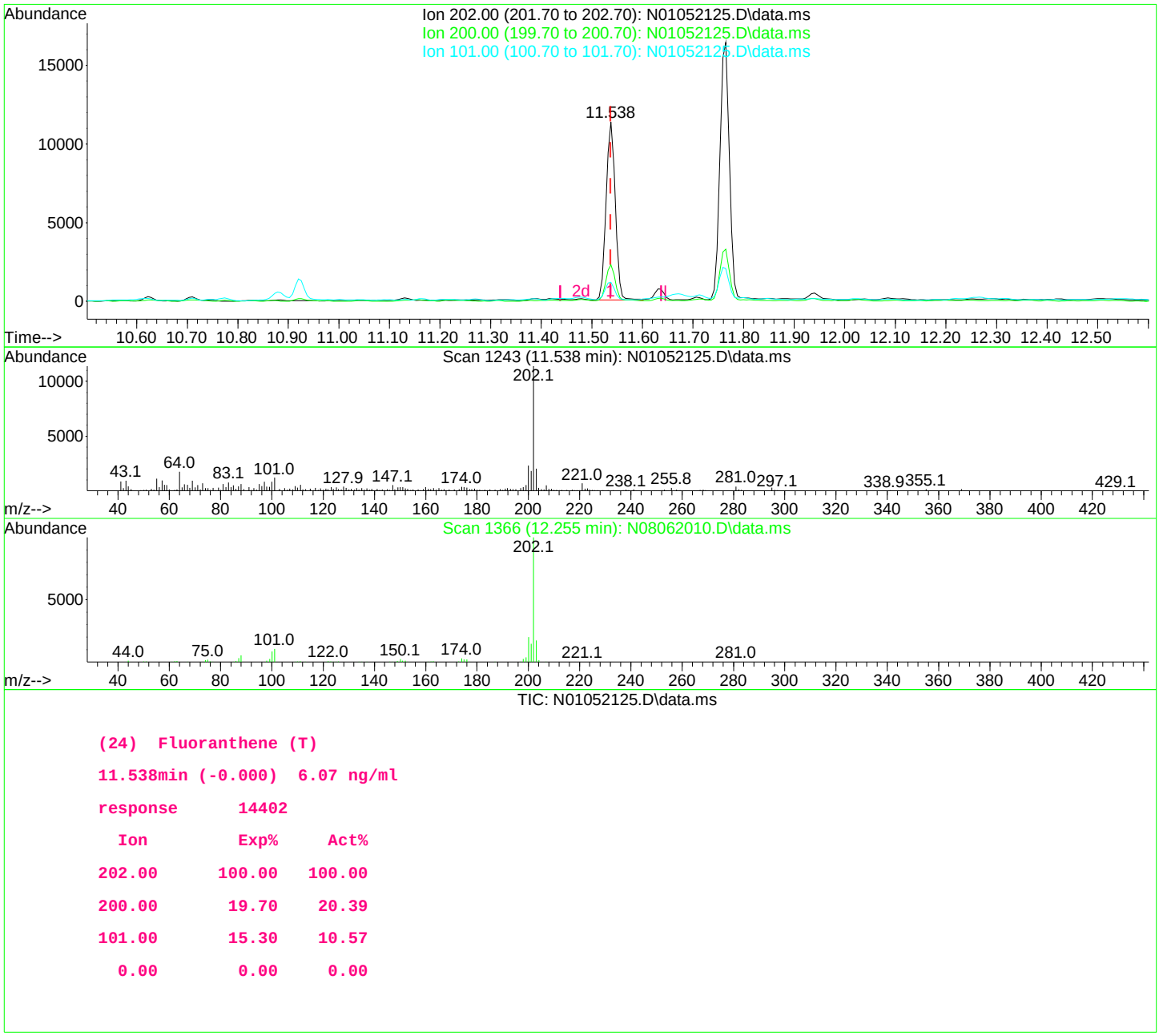
response 20729

Ion	Exp%	Act%
178.00	100.00	100.00
176.00	19.00	17.80
179.00	15.10	16.45
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052125.D
Acq On : 06 Jan 2021 02:30 am
Operator : JK/ AMS/ DTH
Sample : A0K0482-03
Misc : 1x, 8270E LL PAH ONLY (QC SOURCE)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jan 06 13:04:53 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01052125.D\data.ms

(24) Fluoranthene (T)

11.538min (-0.000) 6.07 ng/ml

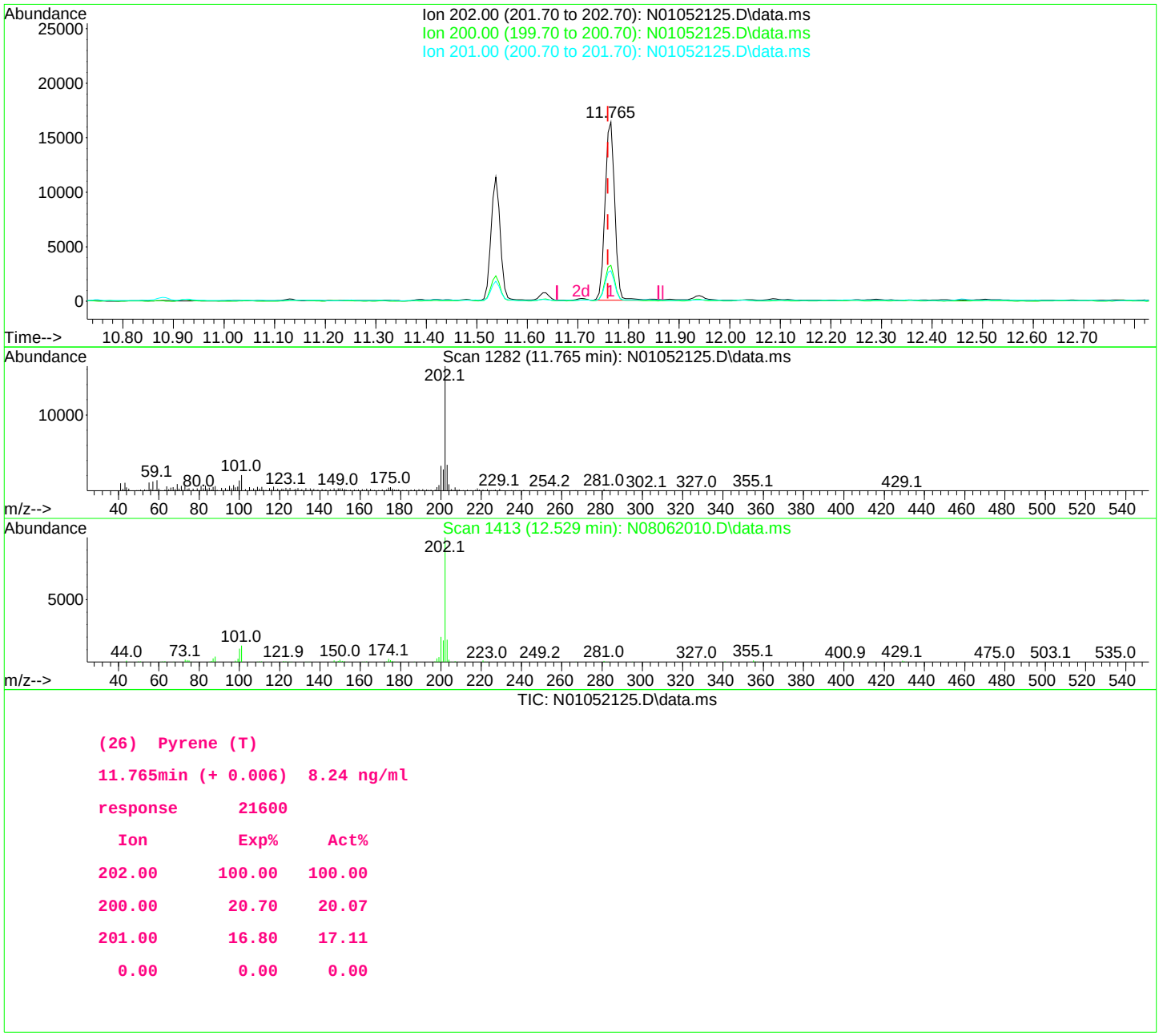
response 14402

Ion	Exp%	Act%
202.00	100.00	100.00
200.00	19.70	20.39
101.00	15.30	10.57
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052125.D
Acq On : 06 Jan 2021 02:30 am
Operator : JK/ AMS/ DTH
Sample : A0K0482-03
Misc : 1x, 8270E LL PAH ONLY (QC SOURCE)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jan 06 13:04:53 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01052125.D\data.ms

(26) Pyrene (T)

11.765min (+ 0.006) 8.24 ng/ml

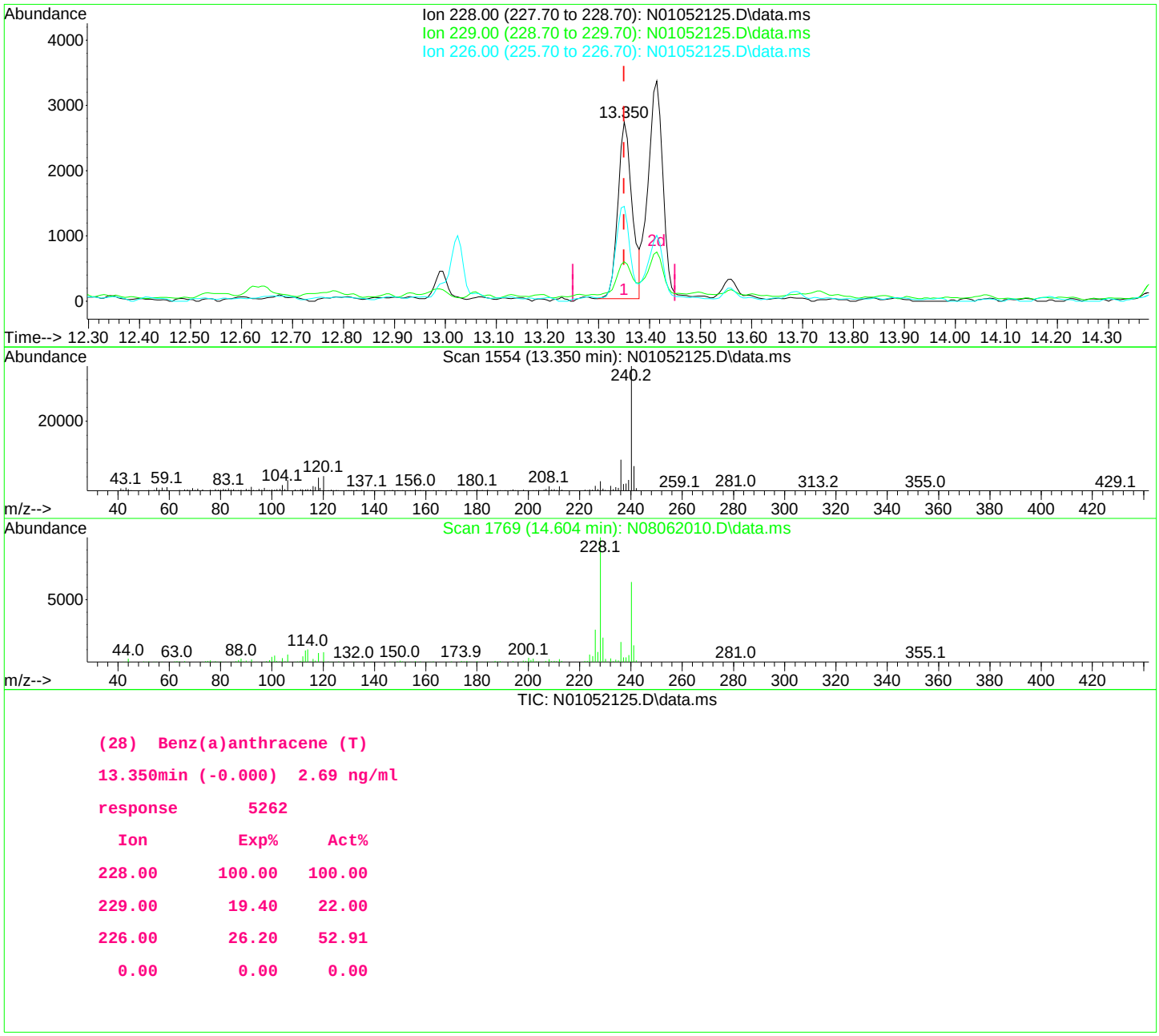
response 21600

Ion	Exp%	Act%
202.00	100.00	100.00
200.00	20.70	20.07
201.00	16.80	17.11
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052125.D
Acq On : 06 Jan 2021 02:30 am
Operator : JK/ AMS/ DTH
Sample : A0K0482-03
Misc : 1x, 8270E LL PAH ONLY (QC SOURCE)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jan 06 13:04:53 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01052125.D\data.ms

(28) Benz(a)anthracene (T)

13.350min (-0.000) 2.69 ng/ml

response 5262

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.40	22.00
226.00	26.20	52.91
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052125.D
Acq On : 06 Jan 2021 02:30 am
Operator : JK/ AMS/ DTH
Sample : A0K0482-03
Misc : 1x, 8270E LL PAH ONLY (QC SOURCE)
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Quant Time: Jan 06 13:04:53 2021
Quant Method : U:\methods\SV14_080720RD.M
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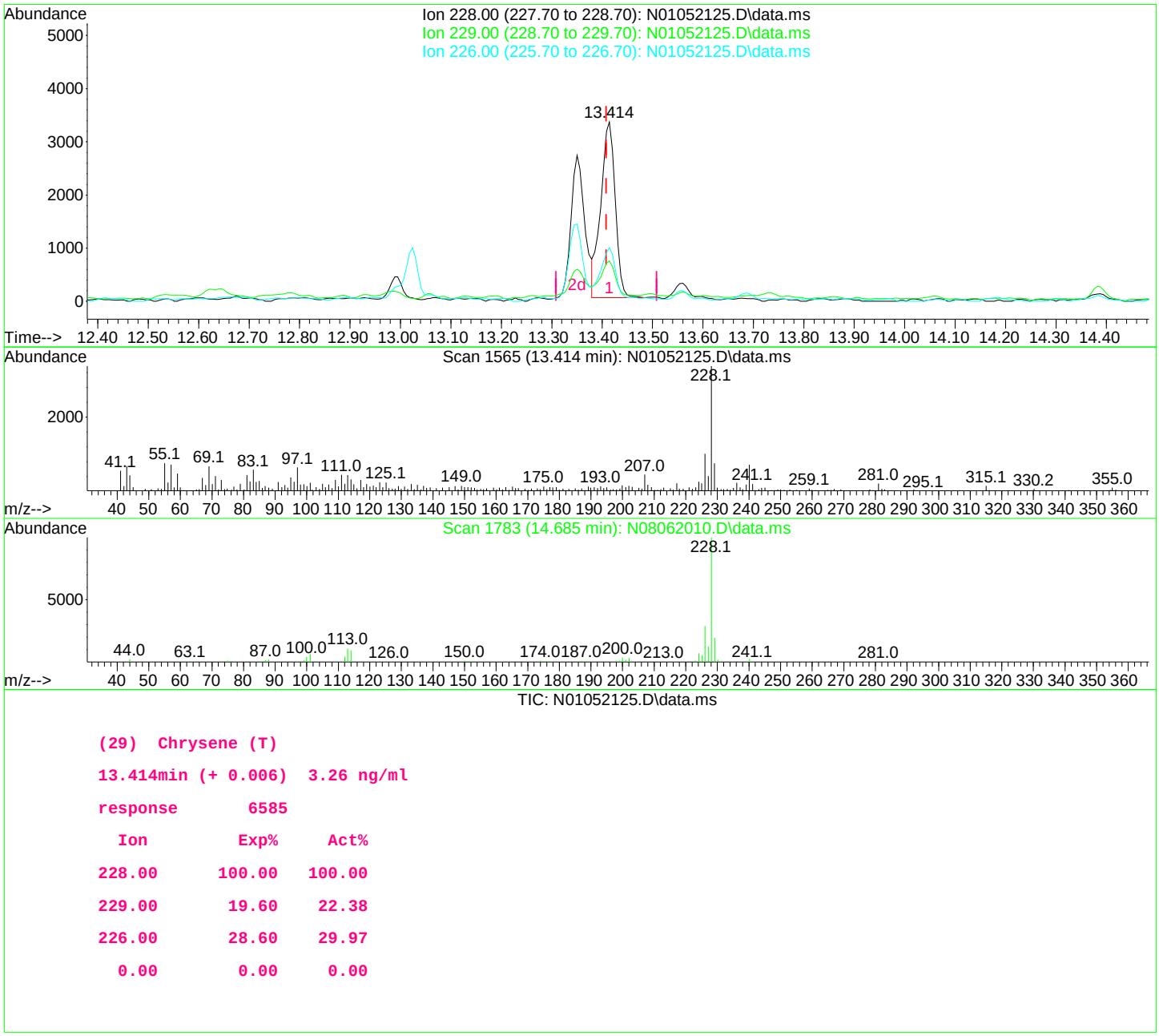

TIC: N01052125.D\data.ms

(29) Chrysene (T)

13.414min (+ 0.006) 3.26 ng/ml

response 6585

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.60	22.38
226.00	28.60	29.97
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052125.D
Acq On : 06 Jan 2021 02:30 am
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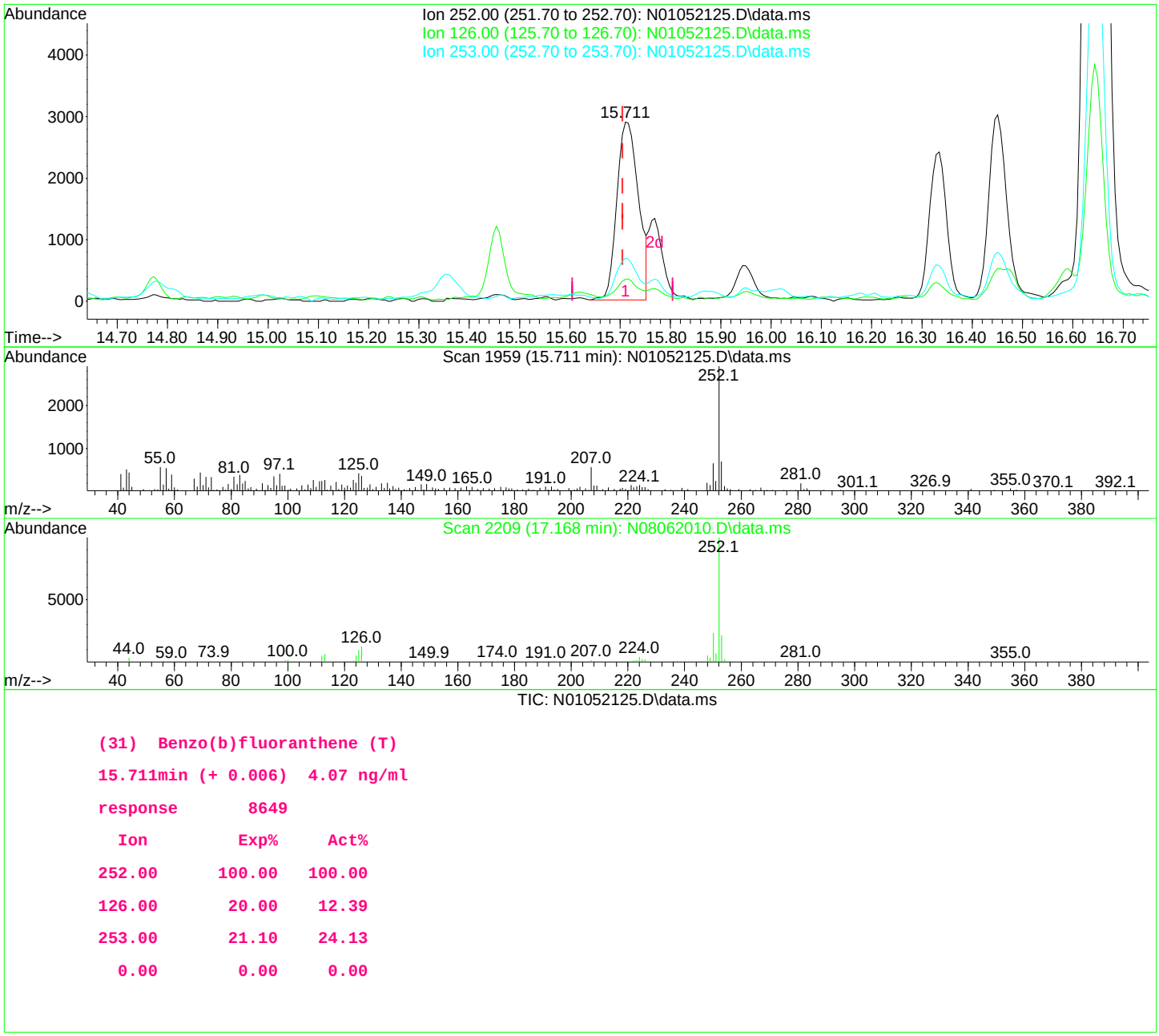


TIC: N01052125.D\data.ms

(31) Benzo(b)fluoranthene (T)

15.711min (+ 0.006) 4.07 ng/ml

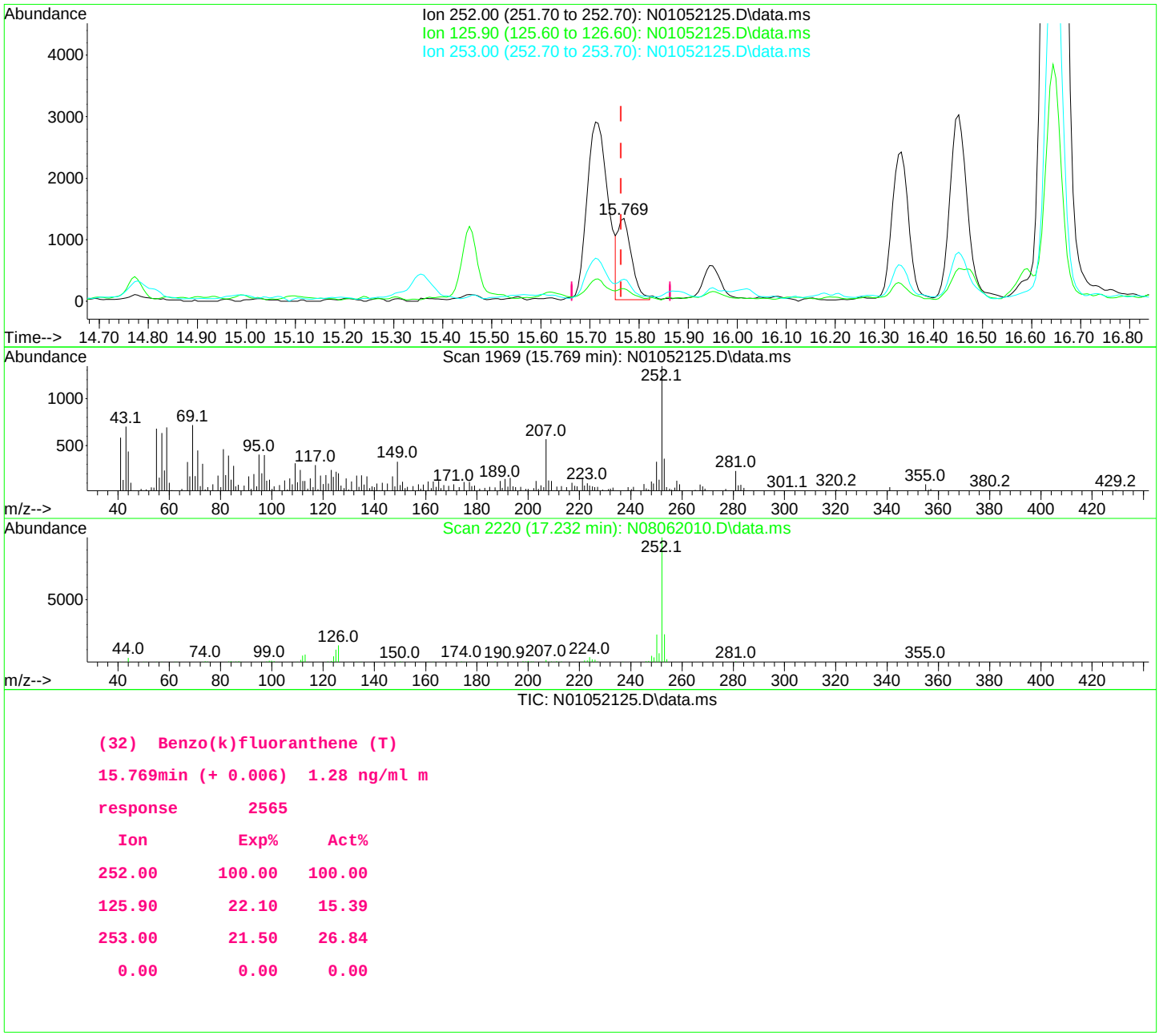
response 8649

Ion	Exp%	Act%
252.00	100.00	100.00
126.00	20.00	12.39
253.00	21.10	24.13
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052125.D
Acq On : 06 Jan 2021 02:30 am
Operator : JK/ AMS/ DTH
Sample : A0K0482-03
Misc : 1x, 8270E LL PAH ONLY (QC SOURCE)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jan 06 13:04:53 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01052125.D\data.ms

(32) Benzo(k)fluoranthene (T)

15.769min (+ 0.006) 1.28 ng/ml m

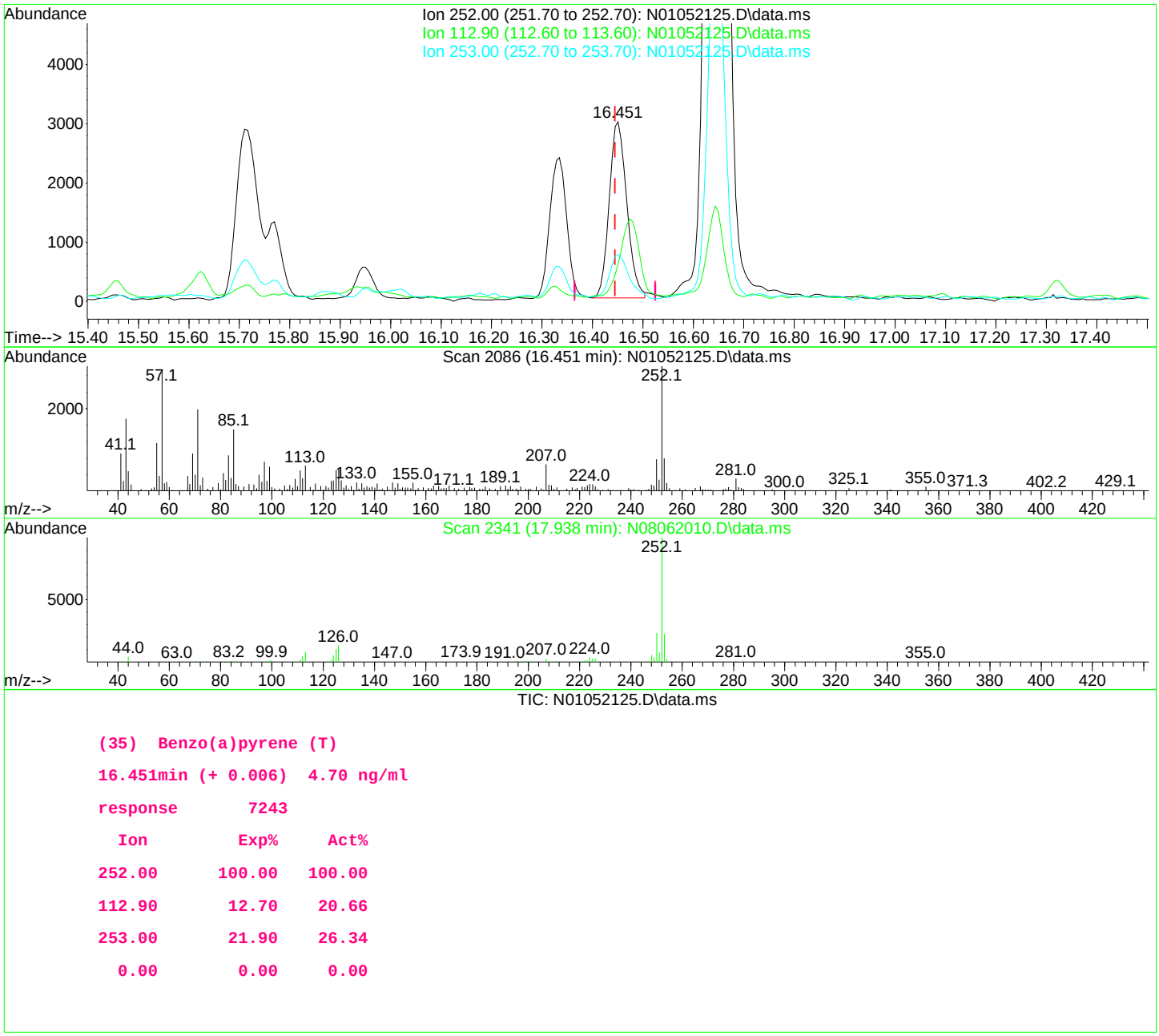
response 2565

Ion	Exp%	Act%
252.00	100.00	100.00
125.90	22.10	15.39
253.00	21.50	26.84
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052125.D
Acq On : 06 Jan 2021 02:30 am
Operator : JK/ AMS/ DTH
Sample : A0K0482-03
Misc : 1x, 8270E LL PAH ONLY (QC SOURCE)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jan 06 13:04:53 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01052125.D\data.ms

(35) Benzo(a)pyrene (T)

16.451min (+ 0.006) 4.70 ng/ml

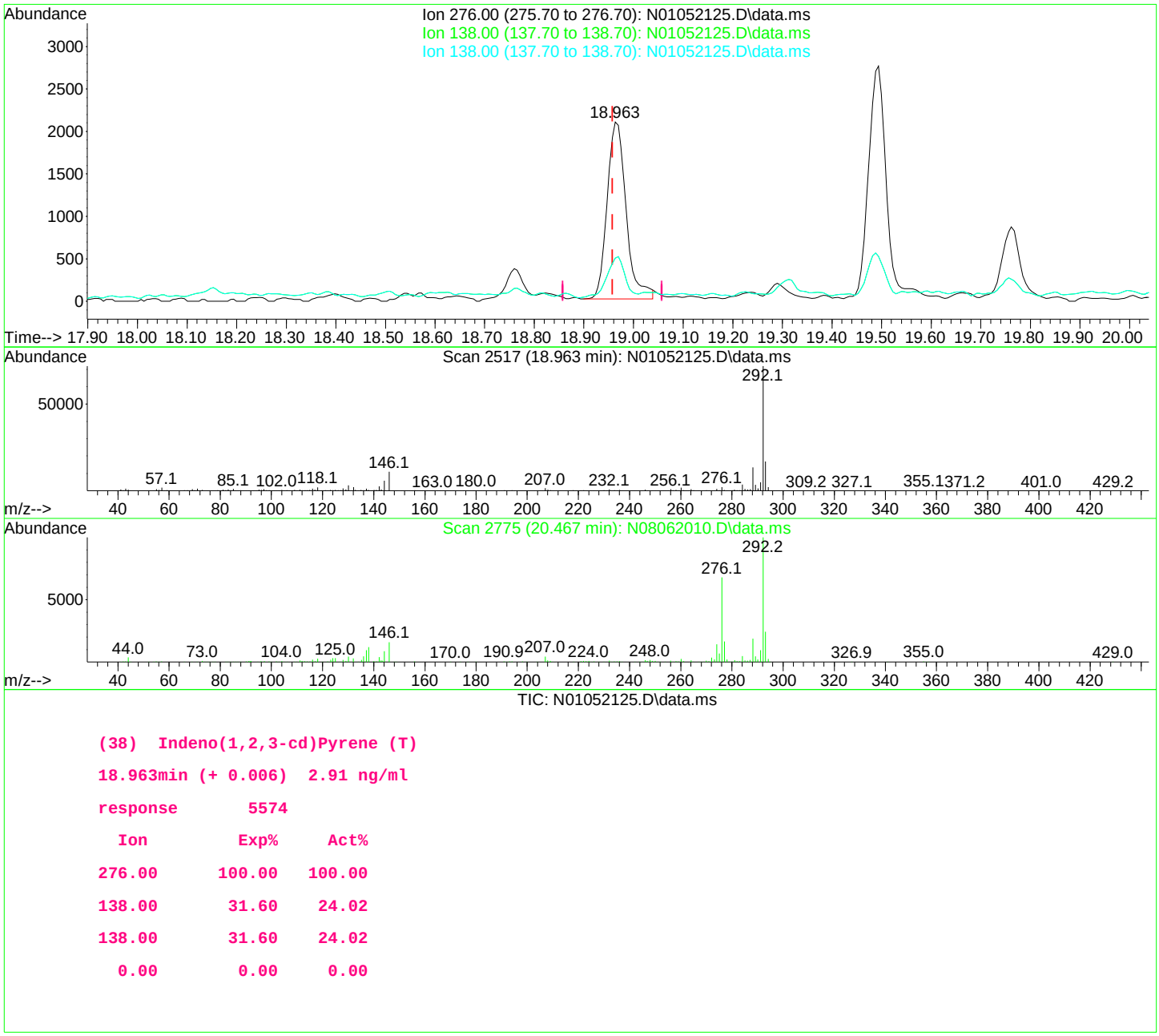
response 7243

Ion	Exp%	Act%
252.00	100.00	100.00
112.90	12.70	20.66
253.00	21.90	26.34
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052125.D
Acq On : 06 Jan 2021 02:30 am
Operator : JK/ AMS/ DTH
Sample : A0K0482-03
Misc : 1x, 8270E LL PAH ONLY (QC SOURCE)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jan 06 13:04:53 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01052125.D\data.ms

(38) Indeno(1,2,3-cd)Pyrene (T)

18.963min (+ 0.006) 2.91 ng/ml

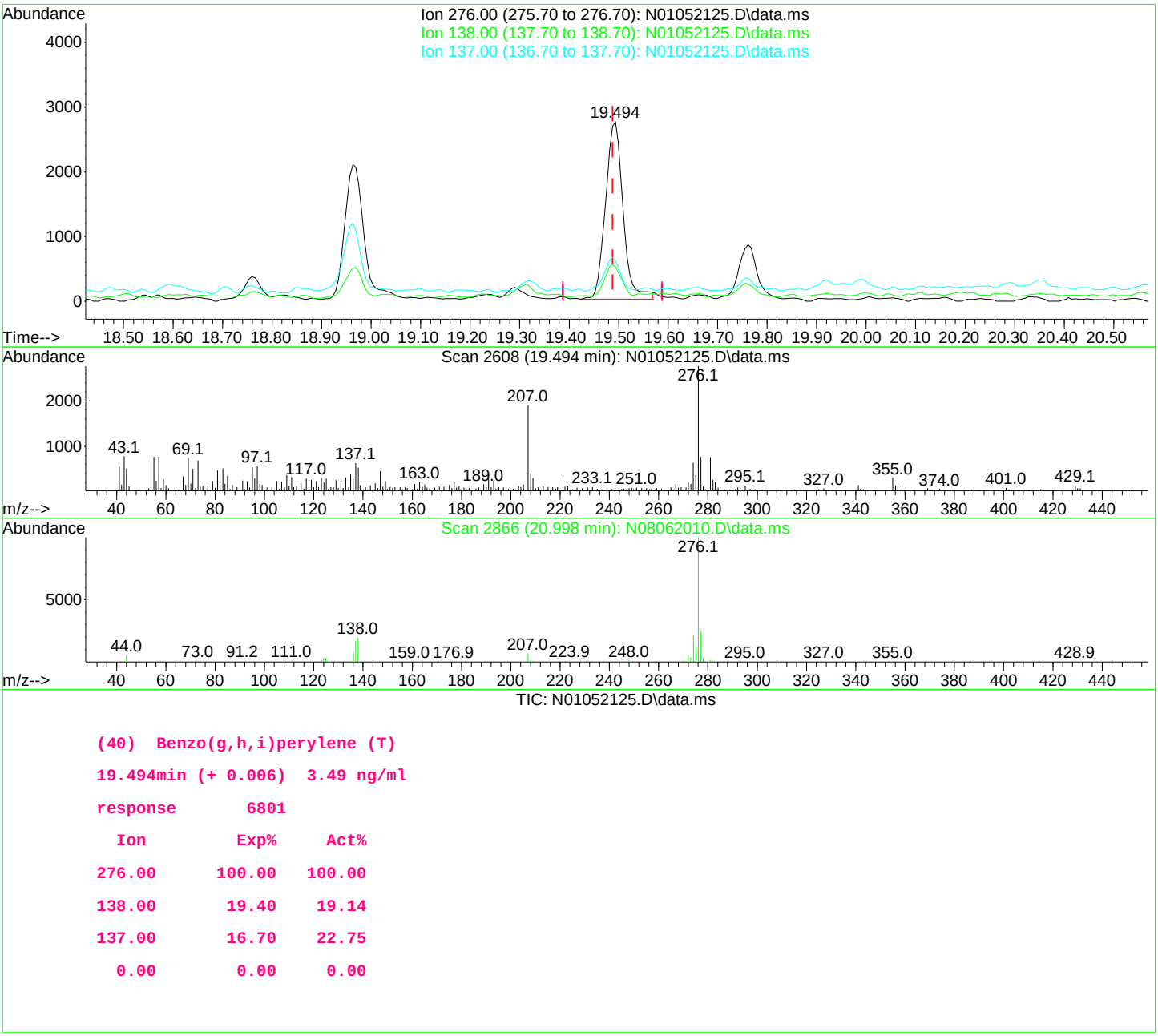
response 5574

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	31.60	24.02
138.00	31.60	24.02
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052125.D
Acq On : 06 Jan 2021 02:30 am
Operator : JK/ AMS/ DTH
Sample : A0K0482-03
Misc : 1x, 8270E LL PAH ONLY (QC SOURCE)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jan 06 13:04:53 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01052125.D\data.ms

(40) Benzo(g,h,i)perylene (T)

19.494min (+ 0.006) 3.49 ng/ml

response 6801

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	19.40	19.14
137.00	16.70	22.75
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

AMS 1/6/21

Data Path : U:\data\2021-01\1A05060\
Data File : N01052126.D
Acq On : 06 Jan 2021 03:00 am
Operator : JK/ AMS/ DTH
Sample : 1012490-MS1
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jan 06 13:13:14 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.090	136	177330	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	8.822	162	124297	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.314	188	237855	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	13.374	240	239388	100.00	ng/ml	0.00
30) Perylene-d12 (ISTD)	16.591	264	256131	100.00	ng/ml	0.00
37) Dibenz(a,h)Anthrcene-d...	18.969	292	231014	100.00	ng/ml	0.01
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	6.414	82	32935	66.30	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.157	172	134879	75.89	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	9.620	330	35819	118.61	ng/ml	0.00
27) Terphenyl-d14 (Surr)	11.940	244	195384	84.89	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	6.560	138	3129	29.72	ng/ml	81
4) Naphthalene	7.108	128	56693	31.00	ng/ml	99
5) 2-Methylnaphthalene	7.790	142	44891	33.95	ng/ml	96
6) 1-Methylnaphthalene	7.883	142	43141	32.60	ng/ml	96
7) 1,1'-Biphenyl	8.250	154	58984	35.05	ng/ml	95
8) 2,6-Dimethylnaphthalene	8.408	156	42873	34.77	ng/ml	97
11) Acenaphthylene	8.682	152	70134	33.66	ng/ml	99
12) Acenaphthene	8.857	153	53511	35.15	ng/ml	100
13) Dibenzofuran	9.031	168	65933	34.45	ng/ml	94
14) 1,6,7-Trimethylnaphtha...	9.247	170	45285	32.81	ng/ml	97
15) Fluorene	9.369	166	54989	35.48	ng/ml	100
18) Pentachlorophenol (PCP)	10.151	266	22928	160.05	ng/ml	99
19) Dibenzothiopene	10.209	184	79372	34.36	ng/ml	92
20) Phenanthrene	10.337	178	108321	42.08	ng/ml	99
21) Anthracene	10.389	178	77178	36.60	ng/ml	99
22) Carbazole	10.564	167	62778	40.05	ng/ml	98
23) 1-Methylphenanthrene	10.961	192	64878	35.05	ng/ml	97
24) Fluoranthene	11.538	202	115718	43.33	ng/ml	95
26) Pyrene	11.765	202	127931	39.91	ng/ml	99
28) Benz(a)anthracene	13.356	228	90750	37.92	ng/ml	98
29) Chrysene	13.415	228	90665	36.66	ng/ml	100
31) Benzo(b)fluoranthene	15.711	252	97794	37.65	ng/ml	90
32) Benzo(k)fluoranthene	15.769	252	88043	35.93	ng/ml	90

Quantitation Report (QT Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052126.D
Acq On : 06 Jan 2021 03:00 am
Operator : JK/ AMS/ DTH
Sample : 1012490-MS1
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jan 06 13:13:14 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

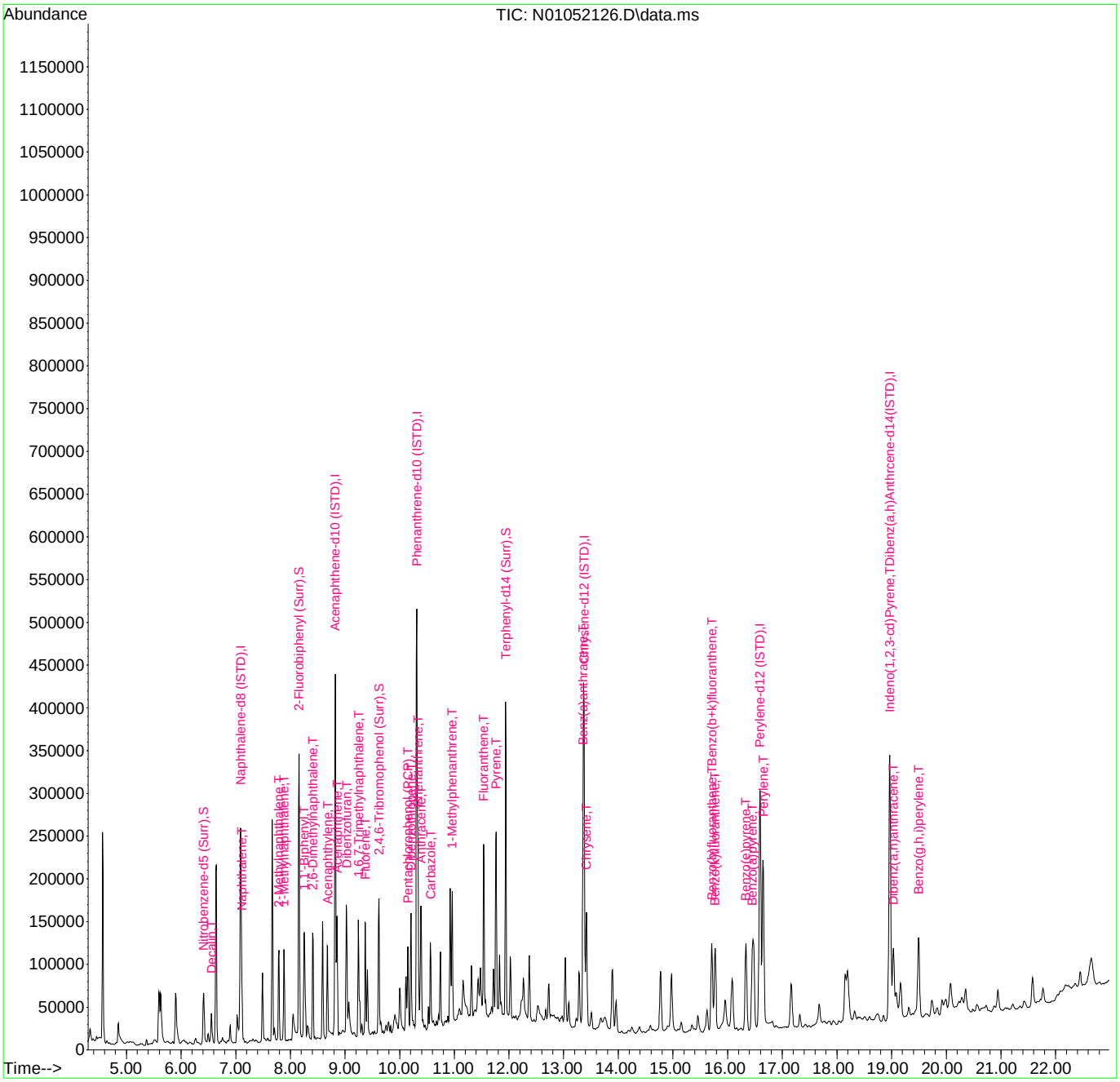
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	15.711	252	190524	72.08	ng/ml	88
34) Benzo(e)pyrene	16.335	252	95153	36.84	ng/ml	97
35) Benzo(a)pyrene	16.451	252	77168	40.98	ng/ml	96
36) Perylene	16.649	252	179056	64.04	ng/ml	99
38) Indeno(1,2,3-cd)Pyrene	18.969	276	85662	34.45	ng/ml	75
39) Dibenz(a,h)anthracene	19.033	278	72009	29.46	ng/ml	78
40) Benzo(g,h,i)perylene	19.494	276	91381	36.15	ng/ml	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052126.D
Acq On : 06 Jan 2021 03:00 am
Operator : JK/ AMS/ DTH
Sample : 1012490-MS1
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jan 06 13:13:14 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052126.D
Acq On : 06 Jan 2021 03:00 am
Operator : JK/ AMS/ DTH
Sample : 1012490-MS1
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jan 06 13:13:14 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.090	136	177330	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	8.822	162	124297	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.314	188	237855	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	13.374	240	239388	100.00	ng/ml	0.00
30) Perylene-d12 (ISTD)	16.591	264	256131	100.00	ng/ml	0.00
37) Dibenz(a,h)Anthrcene-d...	18.969	292	231014	100.00	ng/ml	0.01
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	6.414	82	32935	66.30	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.157	172	134879	75.89	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	9.620	330	35819	118.61	ng/ml	0.00
27) Terphenyl-d14 (Surr)	11.940	244	195384	84.89	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	6.560	138	3129	29.72	ng/ml	81
4) Naphthalene	7.108	128	56693	31.00	ng/ml	99
5) 2-Methylnaphthalene	7.790	142	44891	33.95	ng/ml	96
6) 1-Methylnaphthalene	7.883	142	43141	32.60	ng/ml	96
7) 1,1'-Biphenyl	8.250	154	58984	35.05	ng/ml	95
8) 2,6-Dimethylnaphthalene	8.408	156	42873	34.77	ng/ml	97
11) Acenaphthylene	8.682	152	70134	33.66	ng/ml	99
12) Acenaphthene	8.857	153	53511	35.15	ng/ml	100
13) Dibenzofuran	9.031	168	65933	34.45	ng/ml	94
14) 1,6,7-Trimethylnaphtha...	9.247	170	45285	32.81	ng/ml	97
15) Fluorene	9.369	166	54989	35.48	ng/ml	100
18) Pentachlorophenol (PCP)	10.151	266	22928	160.05	ng/ml	99
19) Dibenzothiopene	10.209	184	79372	34.36	ng/ml	92
20) Phenanthrene	10.337	178	108321	42.08	ng/ml	99
21) Anthracene	10.389	178	77178	36.60	ng/ml	99
22) Carbazole	10.564	167	62778	40.05	ng/ml	98
23) 1-Methylphenanthrene	10.961	192	64878	35.05	ng/ml	97
24) Fluoranthene	11.538	202	115718	43.33	ng/ml	95
26) Pyrene	11.765	202	127931	39.91	ng/ml	99
28) Benz(a)anthracene	13.356	228	90750	37.92	ng/ml	98
29) Chrysene	13.415	228	90665	36.66	ng/ml	100
31) Benzo(b)fluoranthene	15.711	252	97794	37.65	ng/ml	90
32) Benzo(k)fluoranthene	15.769	252	88043	35.93	ng/ml	90

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052126.D
Acq On : 06 Jan 2021 03:00 am
Operator : JK/ AMS/ DTH
Sample : 1012490-MS1
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jan 06 13:13:14 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

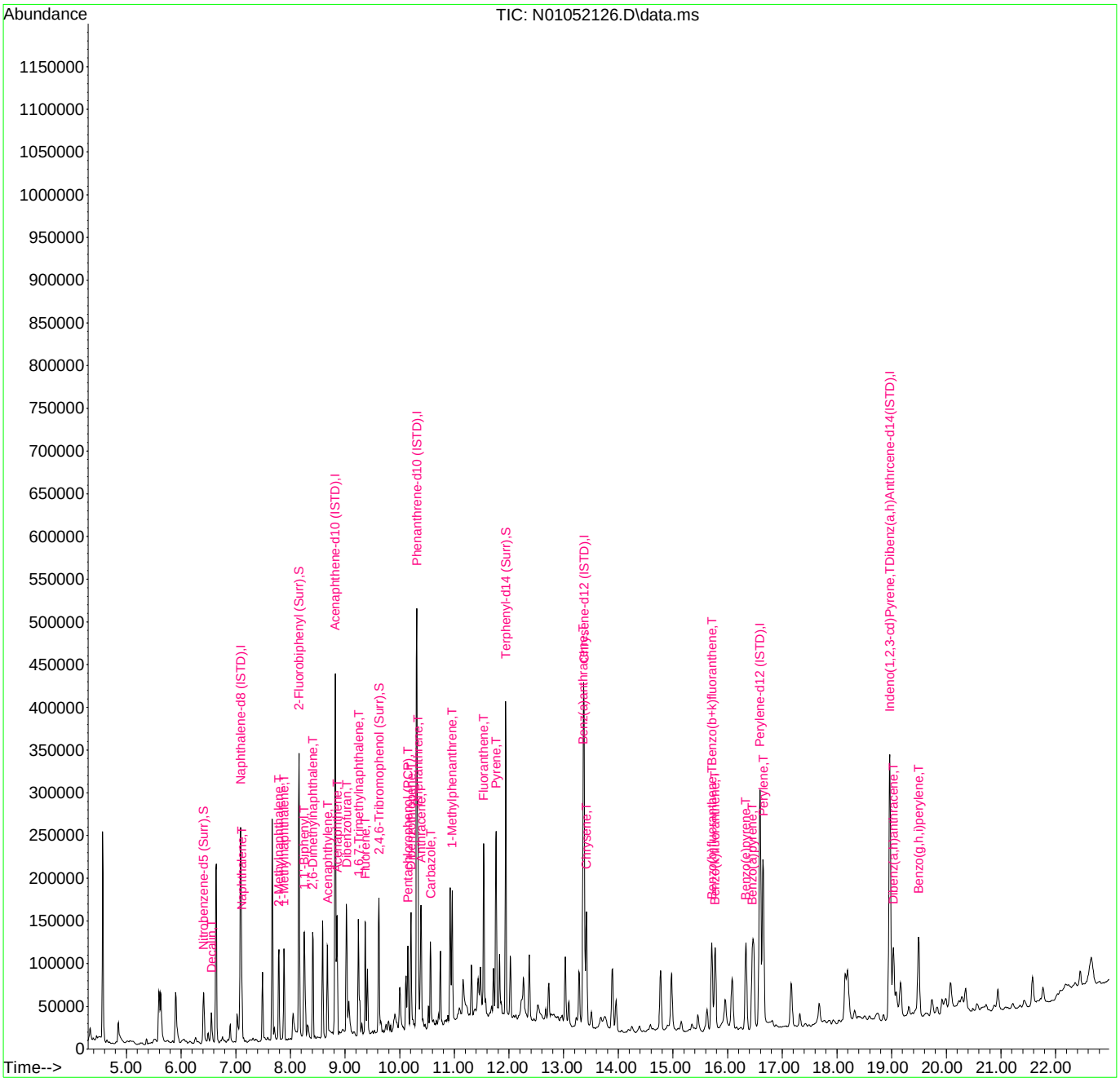
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	15.711	252	190524	72.08	ng/ml	88
34) Benzo(e)pyrene	16.335	252	95153	36.84	ng/ml	97
35) Benzo(a)pyrene	16.451	252	77168	40.98	ng/ml	96
36) Perylene	16.649	252	179056	64.04	ng/ml	99
38) Indeno(1,2,3-cd)Pyrene	18.969	276	85662	34.45	ng/ml	75
39) Dibenz(a,h)anthracene	19.033	278	72009	29.46	ng/ml	78
40) Benzo(g,h,i)perylene	19.494	276	91381	36.15	ng/ml	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052126.D
Acq On : 06 Jan 2021 03:00 am
Operator : JK/ AMS/ DTH
Sample : 1012490-MS1
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jan 06 13:13:14 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

AMS 1/6/21

Data Path : U:\data\2021-01\1A05060\
Data File : N01052127.D
Acq On : 06 Jan 2021 03:31 am
Operator : JK/ AMS/ DTH
Sample : 1012490-MSD1
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jan 06 13:13:58 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.090	136	170384	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	8.822	162	120600	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.314	188	220466	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	13.374	240	204849	100.00	ng/ml	0.00
30) Perylene-d12 (ISTD)	16.591	264	216981	100.00	ng/ml	0.00
37) Dibenz(a,h)Anthrcene-d...	18.969	292	172788	100.00	ng/ml	0.01
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	6.414	82	33600	70.40	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.157	172	134938	78.25	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	9.620	330	33720	120.39	ng/ml	0.00
27) Terphenyl-d14 (Surr)	11.940	244	177770	90.26	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	6.560	138	3734	36.91	ng/ml	83
4) Naphthalene	7.108	128	59820	34.05	ng/ml	100
5) 2-Methylnaphthalene	7.790	142	46914	36.93	ng/ml	97
6) 1-Methylnaphthalene	7.883	142	45652	35.91	ng/ml	97
7) 1,1'-Biphenyl	8.256	154	59486	36.79	ng/ml	94
8) 2,6-Dimethylnaphthalene	8.414	156	45135	38.09	ng/ml	96
11) Acenaphthylene	8.682	152	72804	36.02	ng/ml	99
12) Acenaphthene	8.857	153	59182	40.07	ng/ml	100
13) Dibenzofuran	9.031	168	66870	36.01	ng/ml	93
14) 1,6,7-Trimethylnaphtha...	9.247	170	47065	35.14	ng/ml	100
15) Fluorene	9.375	166	55622	36.99	ng/ml	99
18) Pentachlorophenol (PCP)	10.151	266	22342	166.31	ng/ml	98
19) Dibenzothiopene	10.209	184	80067	37.40	ng/ml	93
20) Phenanthrene	10.337	178	107877	45.21	ng/ml	99
21) Anthracene	10.390	178	72971	37.34	ng/ml	99
22) Carbazole	10.564	167	57578	39.63	ng/ml	98
23) 1-Methylphenanthrene	10.961	192	64253	37.45	ng/ml	98
24) Fluoranthene	11.538	202	111485	45.04	ng/ml	94
26) Pyrene	11.765	202	126616	46.16	ng/ml	98
28) Benz(a)anthracene	13.356	228	79812	38.97	ng/ml	97
29) Chrysene	13.415	228	80597	38.09	ng/ml	99
31) Benzo(b)fluoranthene	15.711	252	89836	40.83	ng/ml	89
32) Benzo(k)fluoranthene	15.775	252	74426	35.86	ng/ml	89

Quantitation Report (QT Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052127.D
Acq On : 06 Jan 2021 03:31 am
Operator : JK/ AMS/ DTH
Sample : 1012490-MSD1
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jan 06 13:13:58 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

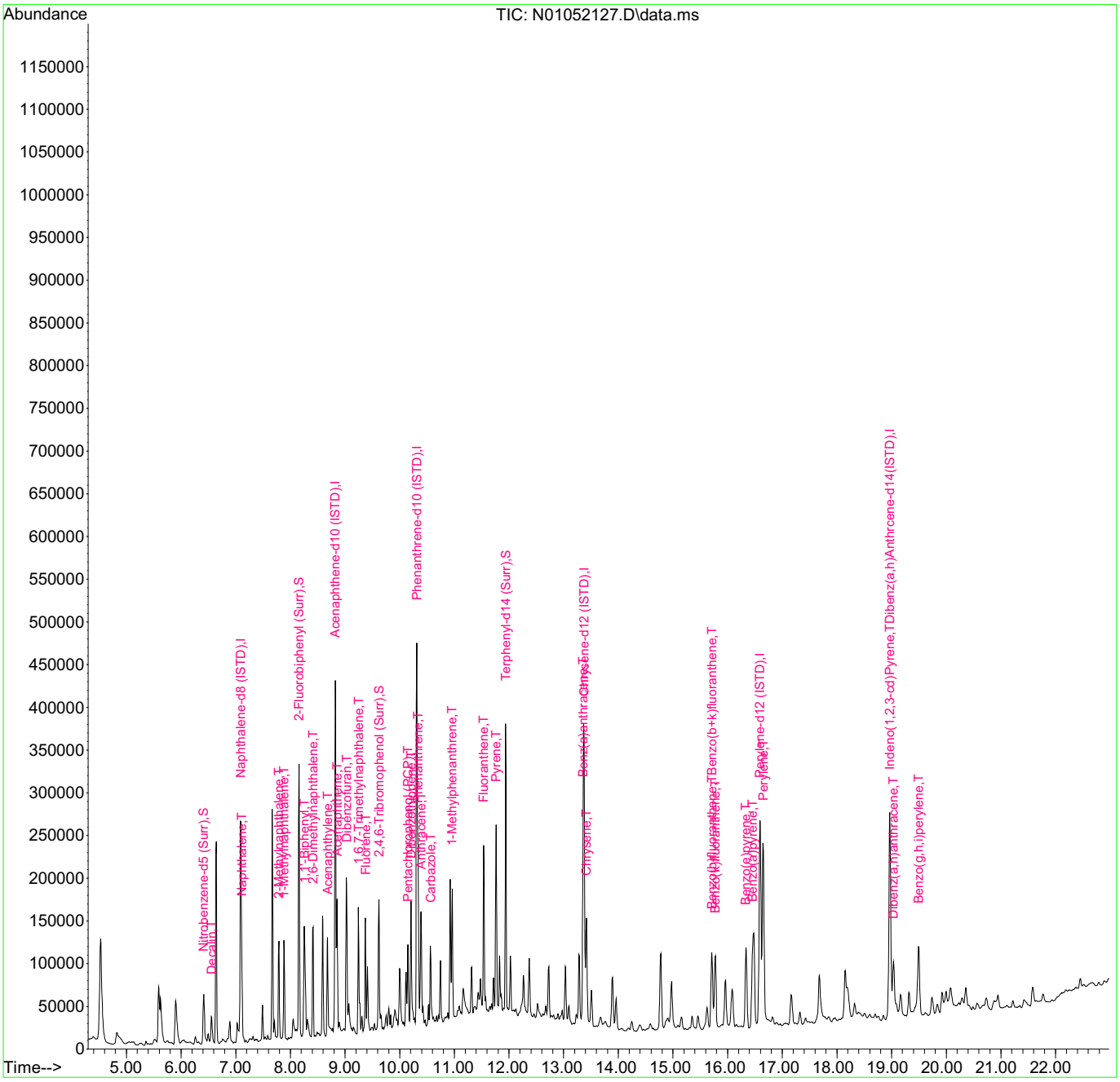
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	15.711	252	168125	75.08	ng/ml	87
34) Benzo(e)pyrene	16.335	252	86714	39.63	ng/ml	98
35) Benzo(a)pyrene	16.457	252	65115	40.82	ng/ml	96
36) Perylene	16.649	252	189209	79.89	ng/ml	100
38) Indeno(1,2,3-cd)Pyrene	18.969	276	68775	36.98	ng/ml	73
39) Dibenz(a,h)anthracene	19.033	278	55850	30.55	ng/ml	78
40) Benzo(g,h,i)perylene	19.494	276	74830	39.58	ng/ml	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052127.D
Acq On : 06 Jan 2021 03:31 am
Operator : JK/ AMS/ DTH
Sample : 1012490-MSD1
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jan 06 13:13:58 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052127.D
Acq On : 06 Jan 2021 03:31 am
Operator : JK/ AMS/ DTH
Sample : 1012490-MSD1
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jan 06 13:13:58 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.090	136	170384	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	8.822	162	120600	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.314	188	220466	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	13.374	240	204849	100.00	ng/ml	0.00
30) Perylene-d12 (ISTD)	16.591	264	216981	100.00	ng/ml	0.00
37) Dibenz(a,h)Anthrcene-d...	18.969	292	172788	100.00	ng/ml	0.01
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	6.414	82	33600	70.40	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.157	172	134938	78.25	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	9.620	330	33720	120.39	ng/ml	0.00
27) Terphenyl-d14 (Surr)	11.940	244	177770	90.26	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	6.560	138	3734	36.91	ng/ml	83
4) Naphthalene	7.108	128	59820	34.05	ng/ml	100
5) 2-Methylnaphthalene	7.790	142	46914	36.93	ng/ml	97
6) 1-Methylnaphthalene	7.883	142	45652	35.91	ng/ml	97
7) 1,1'-Biphenyl	8.256	154	59486	36.79	ng/ml	94
8) 2,6-Dimethylnaphthalene	8.414	156	45135	38.09	ng/ml	96
11) Acenaphthylene	8.682	152	72804	36.02	ng/ml	99
12) Acenaphthene	8.857	153	59182	40.07	ng/ml	100
13) Dibenzofuran	9.031	168	66870	36.01	ng/ml	93
14) 1,6,7-Trimethylnaphtha...	9.247	170	47065	35.14	ng/ml	100
15) Fluorene	9.375	166	55622	36.99	ng/ml	99
18) Pentachlorophenol (PCP)	10.151	266	22342	166.31	ng/ml	98
19) Dibenzothiopene	10.209	184	80067	37.40	ng/ml	93
20) Phenanthrene	10.337	178	107877	45.21	ng/ml	99
21) Anthracene	10.390	178	72971	37.34	ng/ml	99
22) Carbazole	10.564	167	57578	39.63	ng/ml	98
23) 1-Methylphenanthrene	10.961	192	64253	37.45	ng/ml	98
24) Fluoranthene	11.538	202	111485	45.04	ng/ml	94
26) Pyrene	11.765	202	126616	46.16	ng/ml	98
28) Benz(a)anthracene	13.356	228	79812	38.97	ng/ml	97
29) Chrysene	13.415	228	80597	38.09	ng/ml	99
31) Benzo(b)fluoranthene	15.711	252	89836	40.83	ng/ml	89
32) Benzo(k)fluoranthene	15.775	252	74426	35.86	ng/ml	89

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052127.D
Acq On : 06 Jan 2021 03:31 am
Operator : JK/ AMS/ DTH
Sample : 1012490-MSD1
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jan 06 13:13:58 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

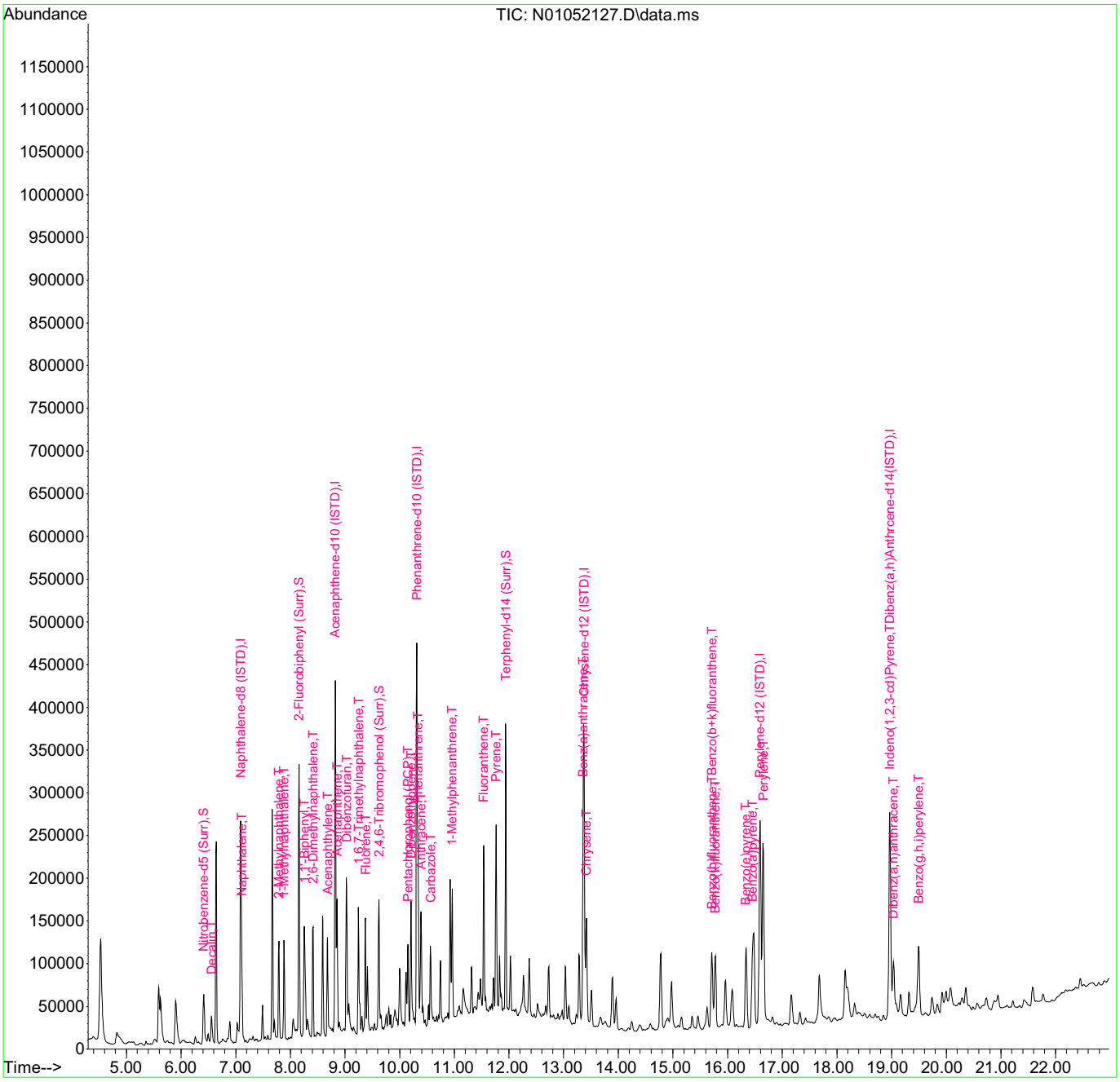
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	15.711	252	168125	75.08	ng/ml	87
34) Benzo(e)pyrene	16.335	252	86714	39.63	ng/ml	98
35) Benzo(a)pyrene	16.457	252	65115	40.82	ng/ml	96
36) Perylene	16.649	252	189209	79.89	ng/ml	100
38) Indeno(1,2,3-cd)Pyrene	18.969	276	68775	36.98	ng/ml	73
39) Dibenz(a,h)anthracene	19.033	278	55850	30.55	ng/ml	78
40) Benzo(g,h,i)perylene	19.494	276	74830	39.58	ng/ml	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052127.D
Acq On : 06 Jan 2021 03:31 am
Operator : JK/ AMS/ DTH
Sample : 1012490-MSD1
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jan 06 13:13:58 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

AMS 1/6/21

Data Path : U:\data\2021-01\1A05060\
Data File : N01052128.D
Acq On : 06 Jan 2021 04:01 am
Operator : JK/ AMS/ DTH
Sample : A0K0482-21
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jan 06 13:15:53 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.091	136	185217	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	8.822	162	129305	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.314	188	253393	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	13.368	240	255747	100.00	ng/ml	0.00
30) Perylene-d12 (ISTD)	16.591	264	270149	100.00	ng/ml	0.00
37) Dibenz(a,h)Anthrcene-d...	18.964	292	250891	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	6.414	82	38438	74.08	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.157	172	147157	79.60	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	9.620	330	40053	124.25	ng/ml	0.00
27) Terphenyl-d14 (Surr)	11.940	244	200910	81.71	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	6.554	138	62	0.56	ng/ml#	1
4) Naphthalene	7.108	128	6350	3.32	ng/ml	84
5) 2-Methylnaphthalene	7.790	142	2612	1.89	ng/ml	95
6) 1-Methylnaphthalene	7.883	142	2083	1.51	ng/ml	96
7) 1,1'-Biphenyl	8.256	154	2144	1.22	ng/ml	98
8) 2,6-Dimethylnaphthalene	8.414	156	2362	1.83	ng/ml	93
11) Acenaphthylene	8.682	152	3503	1.62	ng/ml	87
12) Acenaphthene	8.851	153	1914	1.21	ng/ml	96
13) Dibenzofuran	9.026	168	818	0.41	ng/ml#	1
14) 1,6,7-Trimethylnaphtha...	9.247	170	1343	0.94	ng/ml	98
15) Fluorene	9.375	166	1676	1.04	ng/ml	93
18) Pentachlorophenol (PCP)	10.151	266	235	10.81	ng/ml	86
19) Dibenzothiopene	10.209	184	2170	0.88	ng/ml	86
20) Phenanthrene	10.337	178	17062	6.22	ng/ml	98
21) Anthracene	10.390	178	3299	1.47	ng/ml	91
22) Carbazole	10.564	167	662	N.D.		
23) 1-Methylphenanthrene	10.955	192	1663	0.84	ng/ml	97
24) Fluoranthene	11.538	202	29524	10.38	ng/ml	95
26) Pyrene	11.765	202	38898	11.36	ng/ml	99
28) Benz(a)anthracene	13.356	228	14220	5.56	ng/ml	81
29) Chrysene	13.415	228	16661	6.31	ng/ml	96
31) Benzo(b)fluoranthene	15.711	252	22674	8.28	ng/ml	90
32) Benzo(k)fluoranthene	15.769	252	7648m	2.96	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052128.D
Acq On : 06 Jan 2021 04:01 am
Operator : JK/ AMS/ DTH
Sample : A0K0482-21
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 16 Sample Multiplier: 1

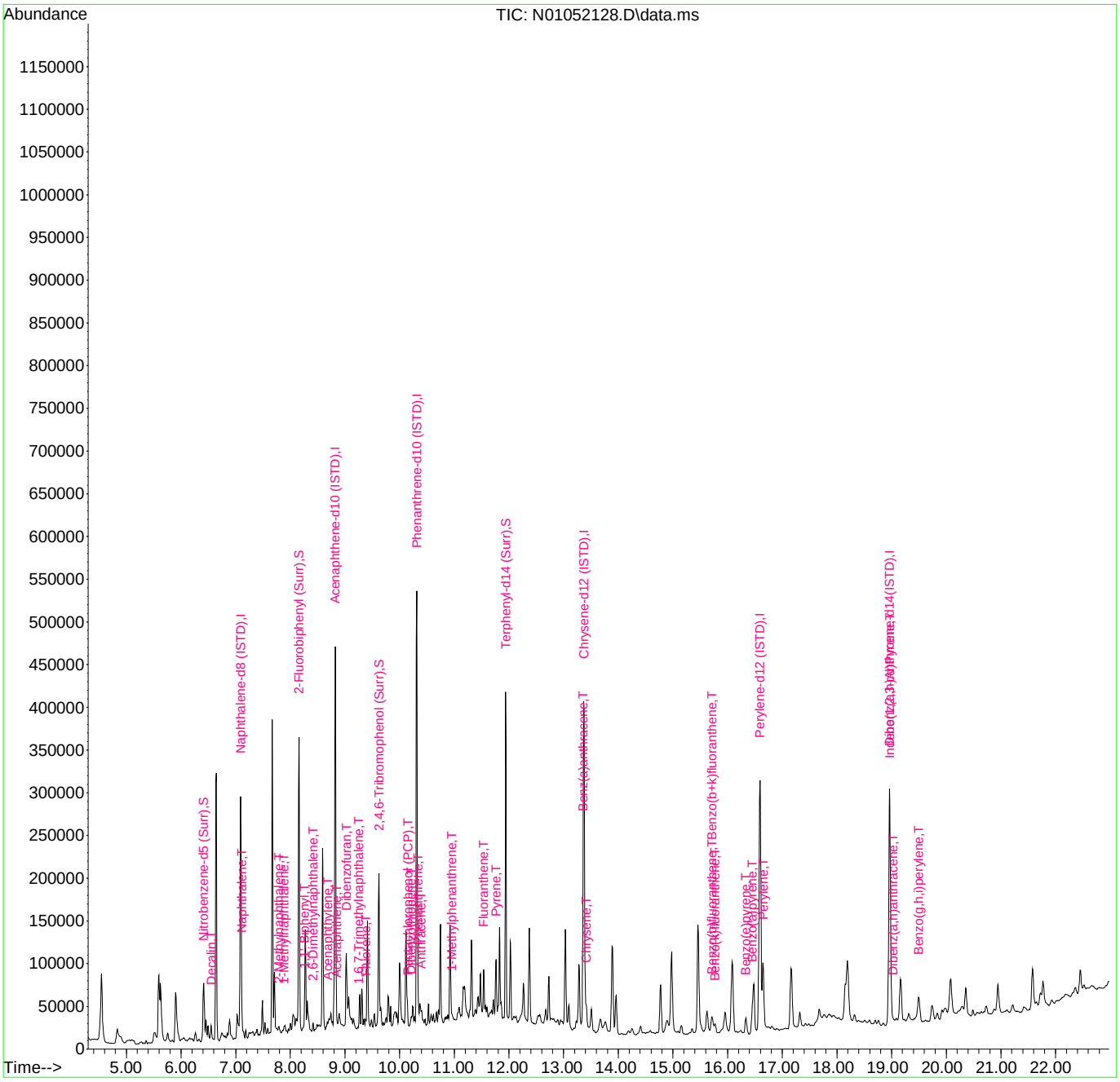
Quant Time: Jan 06 13:15:53 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	15.711	252	30629	10.99	ng/ml	88
34) Benzo(e)pyrene	16.335	252	15288	5.61	ng/ml	96
35) Benzo(a)pyrene	16.451	252	19417	9.78	ng/ml	97
36) Perylene	16.650	252	66251	22.47	ng/ml	99
38) Indeno(1,2,3-cd)Pyrene	18.969	276	18071	6.69	ng/ml	76
39) Dibenz(a,h)anthracene	19.028	278	2483	0.94	ng/ml	90
40) Benzo(g,h,i)perylene	19.494	276	22130	8.06	ng/ml	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : U:\data\2021-01\1A05060\
Data File : N01052128.D
Acq On : 06 Jan 2021 04:01 am
Operator : JK/ AMS/ DTH
Sample : A0K0482-21
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jan 06 13:15:53 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052128.D
Acq On : 06 Jan 2021 04:01 am
Operator : JK/ AMS/ DTH
Sample : A0K0482-21
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jan 06 13:14:41 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.091	136	185217	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	8.822	162	129305	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.314	188	253393	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	13.368	240	255747	100.00	ng/ml	0.00
30) Perylene-d12 (ISTD)	16.591	264	270149	100.00	ng/ml	0.00
37) Dibenz(a,h)Anthrcene-d...	18.964	292	250891	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	6.414	82	38438	74.08	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.157	172	147157	79.60	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	9.620	330	40053	124.25	ng/ml	0.00
27) Terphenyl-d14 (Surr)	11.940	244	200910	81.71	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	6.554	138	62	0.56	ng/ml#	1
4) Naphthalene	7.108	128	6350	3.32	ng/ml	84
5) 2-Methylnaphthalene	7.790	142	2612	1.89	ng/ml	95
6) 1-Methylnaphthalene	7.883	142	2083	1.51	ng/ml	96
7) 1,1'-Biphenyl	8.256	154	2144	1.22	ng/ml	98
8) 2,6-Dimethylnaphthalene	8.414	156	2362	1.83	ng/ml	93
11) Acenaphthylene	8.682	152	3503	1.62	ng/ml	87
12) Acenaphthene	8.851	153	1914	1.21	ng/ml	96
13) Dibenzofuran	9.026	168	818	0.41	ng/ml#	1
14) 1,6,7-Trimethylnaphtha...	9.247	170	1343	0.94	ng/ml	98
15) Fluorene	9.375	166	1676	1.04	ng/ml	93
18) Pentachlorophenol (PCP)	10.151	266	235	10.81	ng/ml	86
19) Dibenzothiopene	10.209	184	2170	0.88	ng/ml	86
20) Phenanthrene	10.337	178	17062	6.22	ng/ml	98
21) Anthracene	10.390	178	3299	1.47	ng/ml	91
22) Carbazole	10.564	167	662	N.D.		
23) 1-Methylphenanthrene	10.955	192	1663	0.84	ng/ml	97
24) Fluoranthene	11.538	202	29524	10.38	ng/ml	95
26) Pyrene	11.765	202	38898	11.36	ng/ml	99
28) Benz(a)anthracene	13.356	228	14220	5.56	ng/ml	81
29) Chrysene	13.415	228	16661	6.31	ng/ml	96
31) Benzo(b)fluoranthene	15.711	252	22674	8.28	ng/ml	90
32) Benzo(k)fluoranthene	15.711	252	29065	11.25	ng/ml	88

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052128.D
Acq On : 06 Jan 2021 04:01 am
Operator : JK/ AMS/ DTH
Sample : A0K0482-21
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jan 06 13:14:41 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

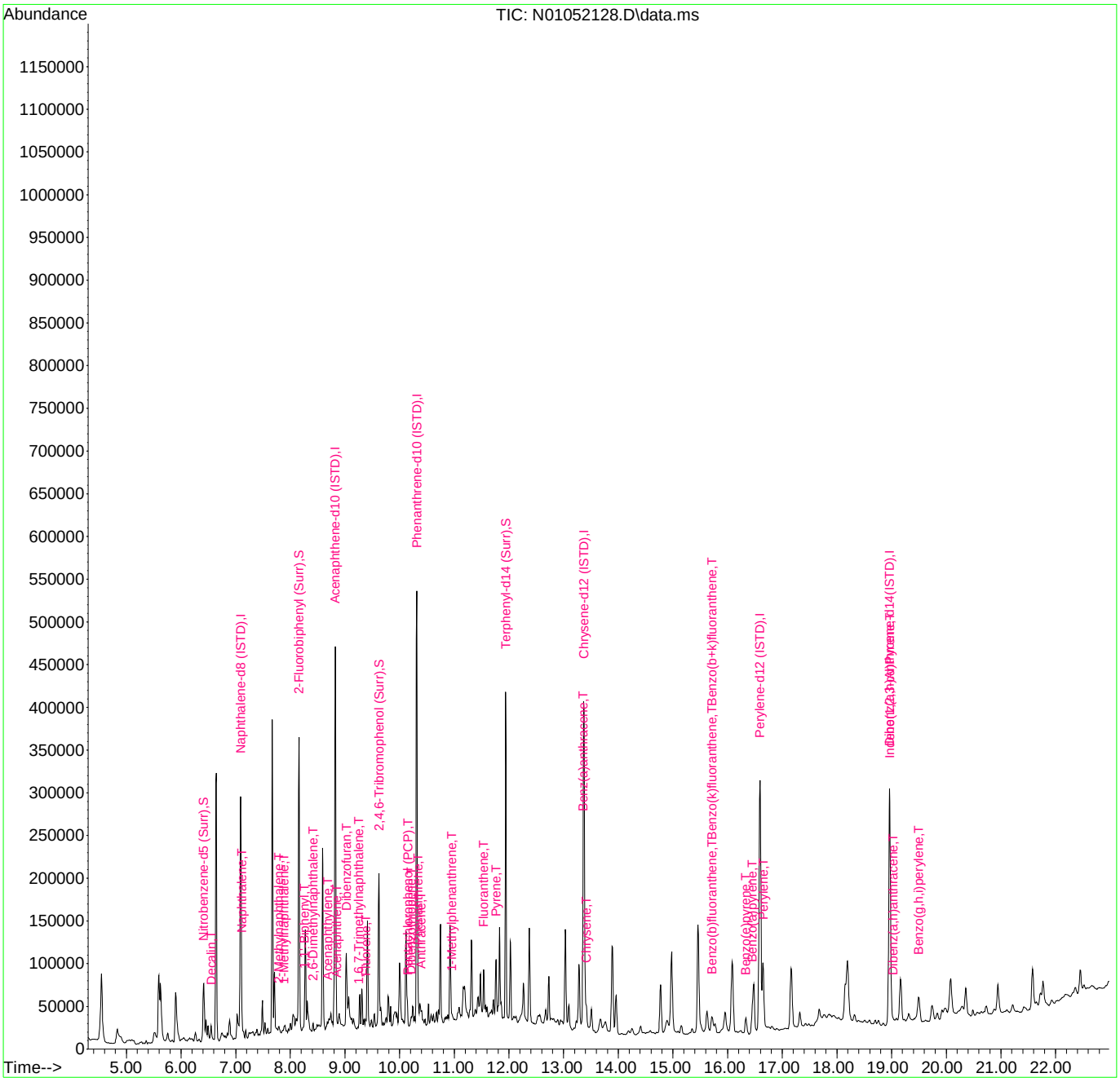
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	15.711	252	30629	10.99	ng/ml	88
34) Benzo(e)pyrene	16.335	252	15288	5.61	ng/ml	96
35) Benzo(a)pyrene	16.451	252	19417	9.78	ng/ml	97
36) Perylene	16.650	252	66251	22.47	ng/ml	99
38) Indeno(1,2,3-cd)Pyrene	18.969	276	18071	6.69	ng/ml	76
39) Dibenz(a,h)anthracene	19.028	278	2483	0.94	ng/ml	90
40) Benzo(g,h,i)perylene	19.494	276	22130	8.06	ng/ml	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052128.D
Acq On : 06 Jan 2021 04:01 am
Operator : JK/ AMS/ DTH
Sample : A0K0482-21
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 16 Sample Multiplier: 1

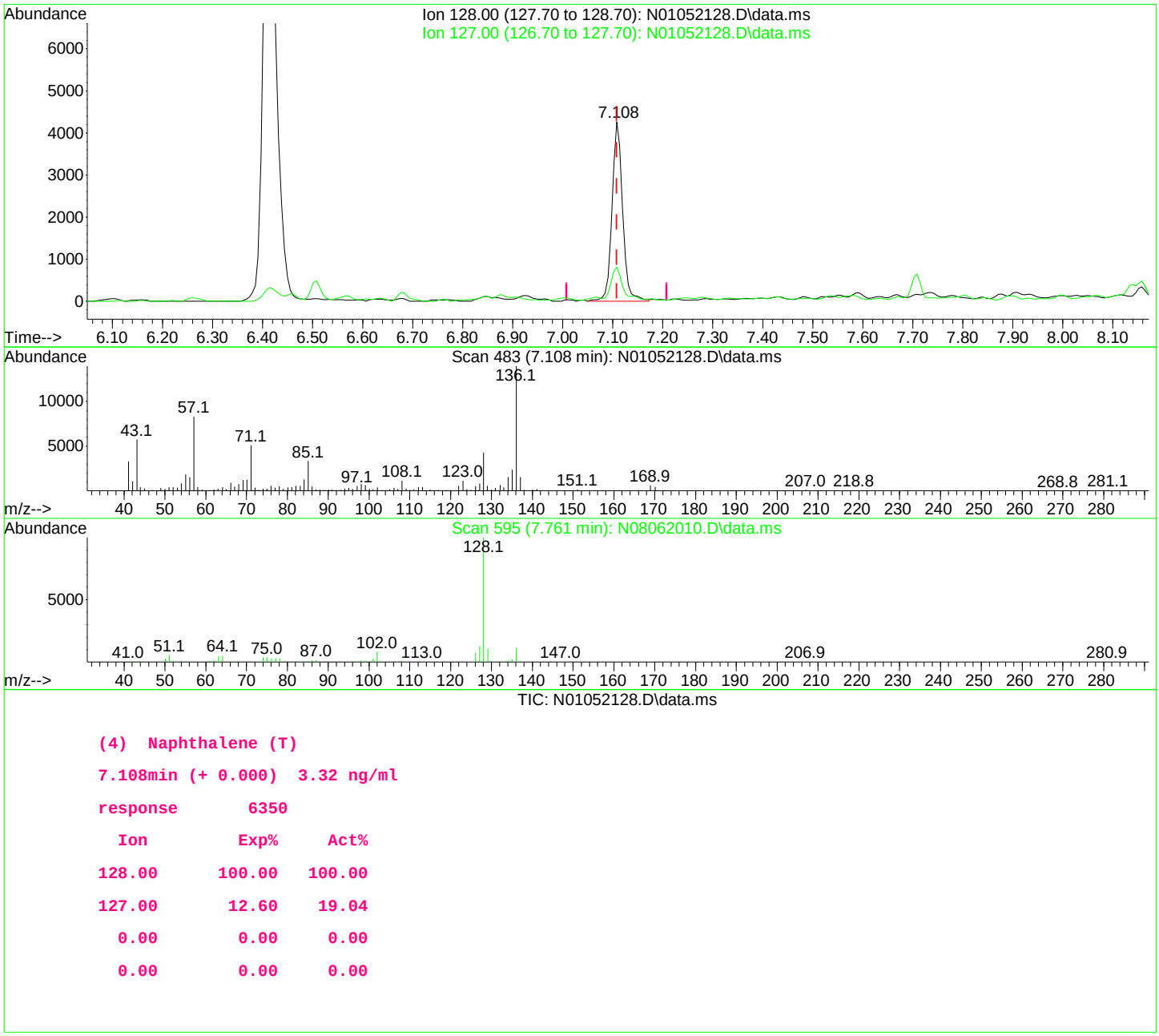
Quant Time: Jan 06 13:14:41 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052128.D
Acq On : 06 Jan 2021 04:01 am
Operator : JK/ AMS/ DTH
Sample : A0K0482-21
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jan 06 13:14:41 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01052128.D\data.ms

(4) Naphthalene (T)

7.108min (+ 0.000) 3.32 ng/ml

response 6350

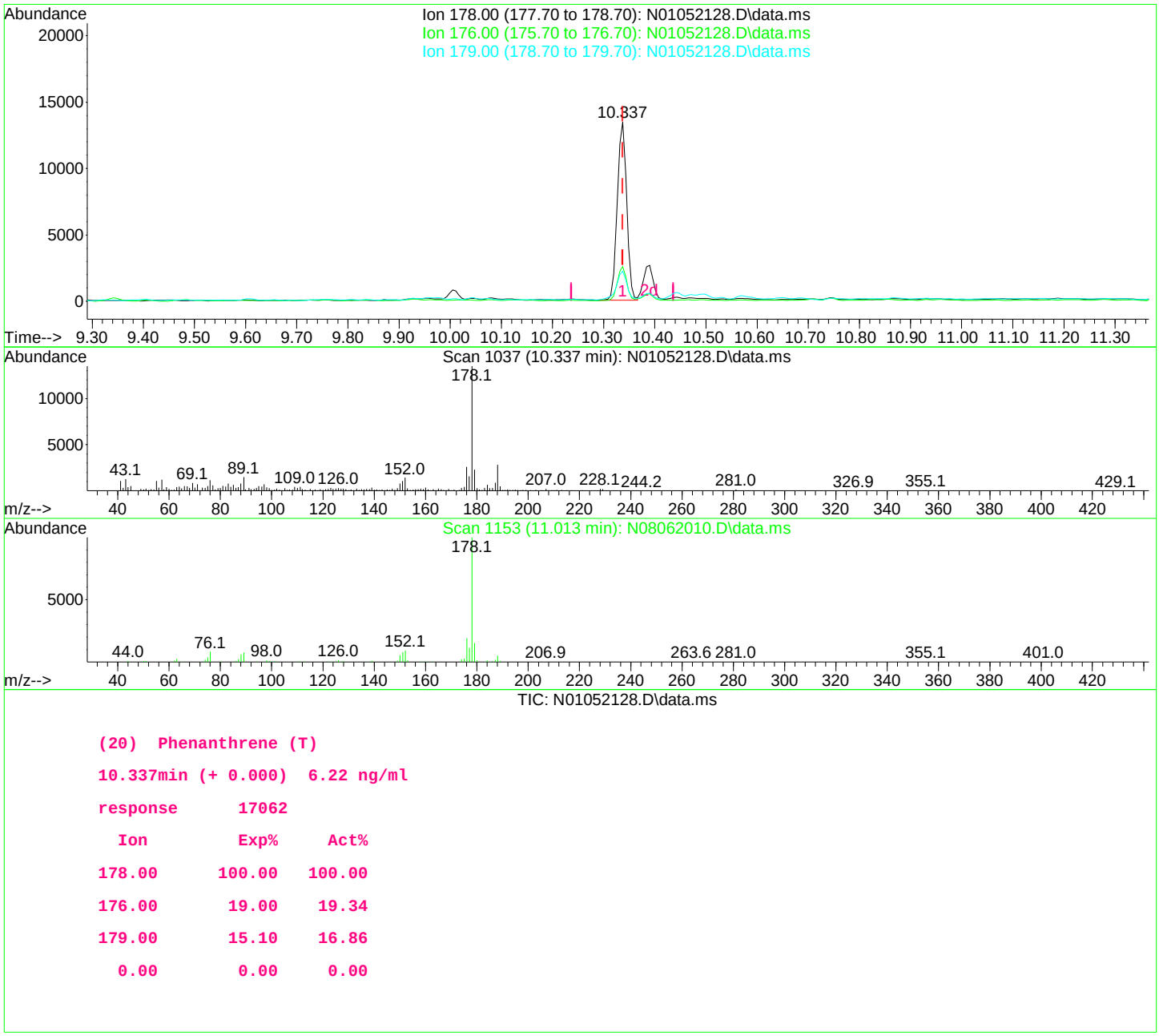
Ion	Exp%	Act%
128.00	100.00	100.00
127.00	12.60	19.04
0.00	0.00	0.00
0.00	0.00	0.00

SV14_080720RD.M Wed Jan 06 13:14:56 2021 Page: 1

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052128.D
Acq On : 06 Jan 2021 04:01 am
Operator : JK/ AMS/ DTH
Sample : A0K0482-21
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jan 06 13:14:41 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01052128.D\data.ms

(20) Phenanthrene (T)

10.337min (+ 0.000) 6.22 ng/ml

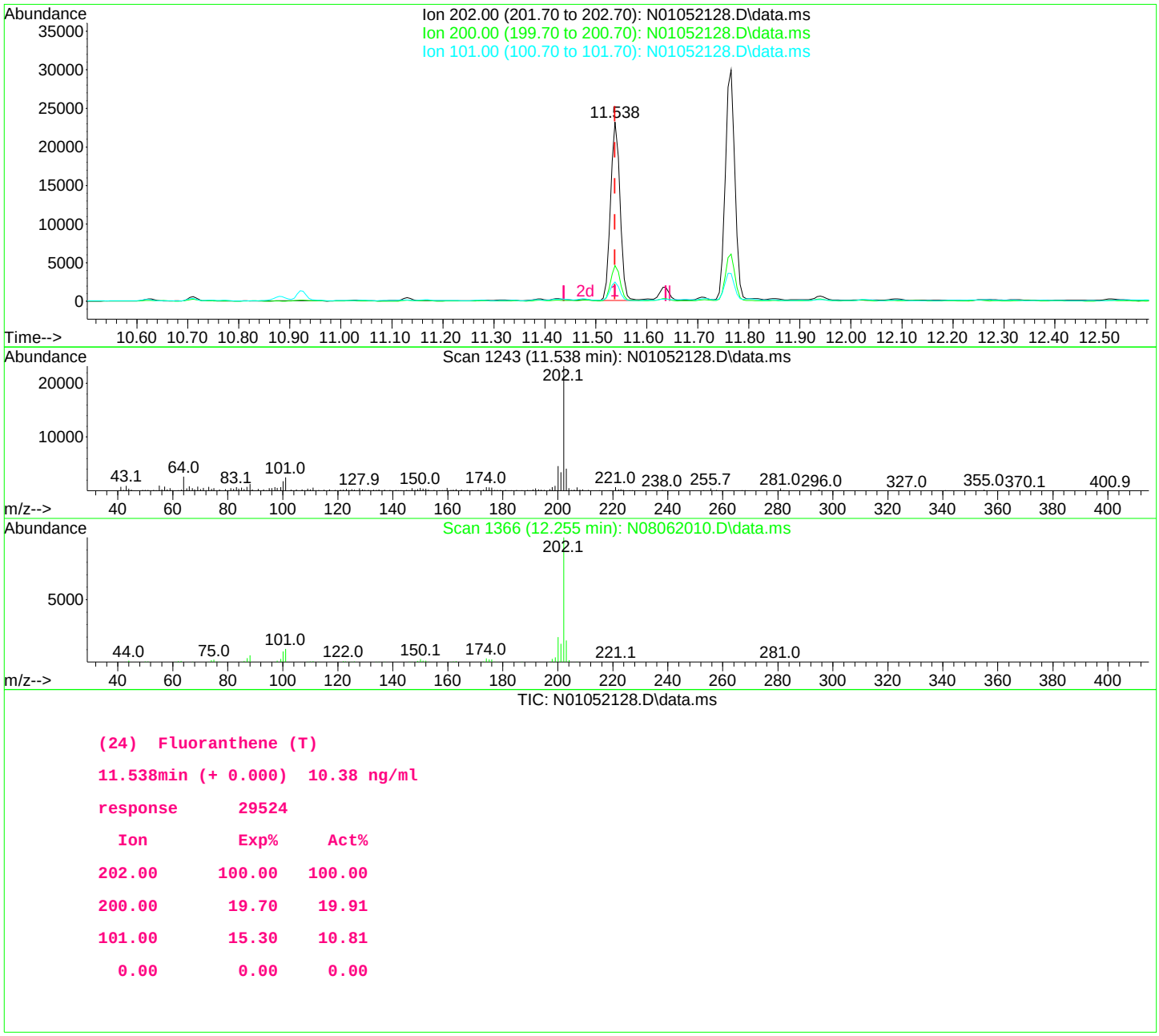
response 17062

Ion	Exp%	Act%
178.00	100.00	100.00
176.00	19.00	19.34
179.00	15.10	16.86
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052128.D
Acq On : 06 Jan 2021 04:01 am
Operator : JK/ AMS/ DTH
Sample : A0K0482-21
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jan 06 13:14:41 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01052128.D\data.ms

(24) Fluoranthene (T)

11.538min (+ 0.000) 10.38 ng/ml

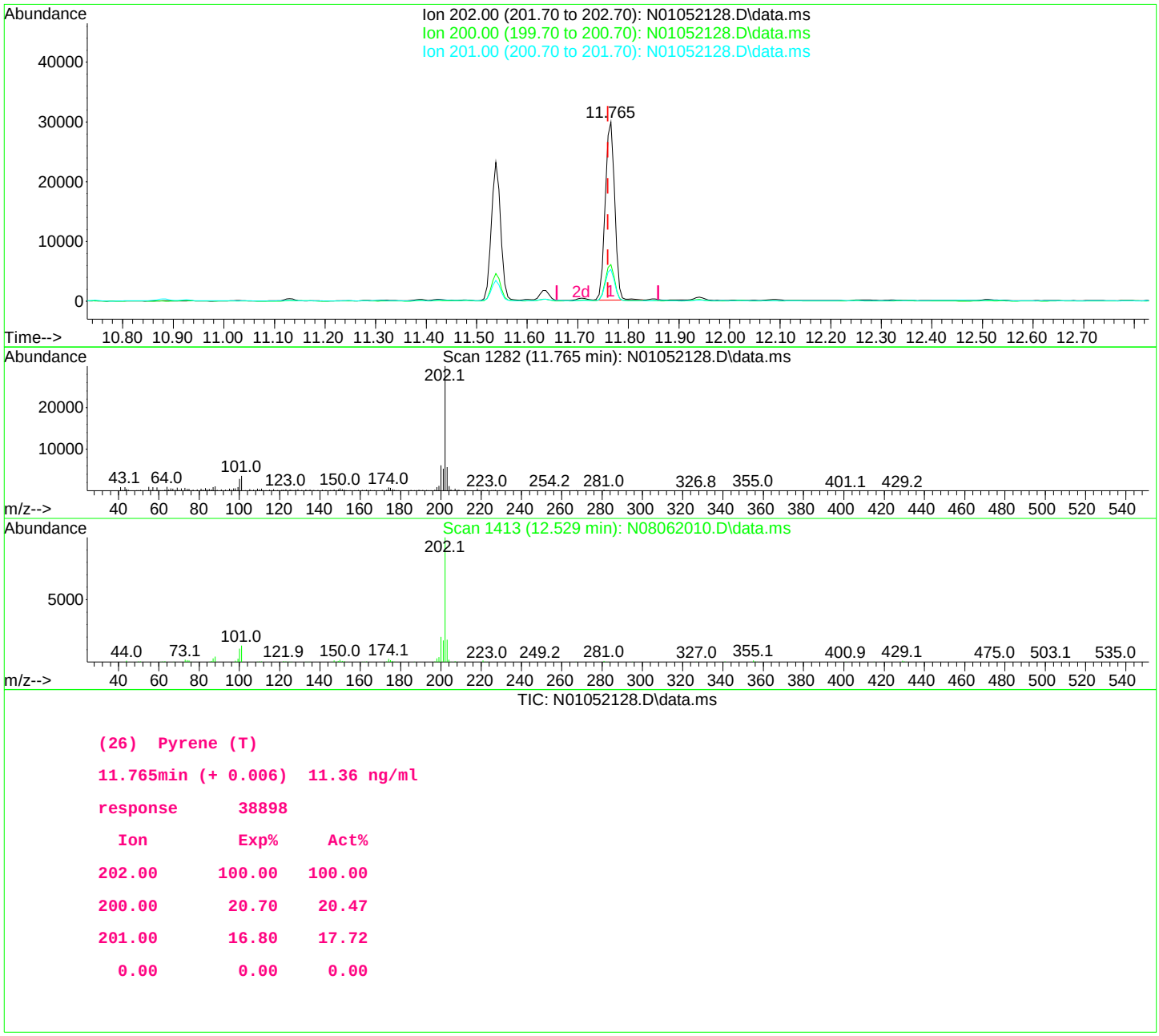
response 29524

Ion	Exp%	Act%
202.00	100.00	100.00
200.00	19.70	19.91
101.00	15.30	10.81
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052128.D
Acq On : 06 Jan 2021 04:01 am
Operator : JK/ AMS/ DTH
Sample : A0K0482-21
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jan 06 13:14:41 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01052128.D\data.ms

(26) Pyrene (T)

11.765min (+ 0.006) 11.36 ng/ml

response 38898

Ion	Exp%	Act%
202.00	100.00	100.00
200.00	20.70	20.47
201.00	16.80	17.72
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052128.D
Acq On : 06 Jan 2021 04:01 am
Operator : JK/ AMS/ DTH
Sample : A0K0482-21
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jan 06 13:14:41 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

TIC: N01052128.D\data.ms

(28) Benz(a)anthracene (T)

13.356min (+ 0.006) 5.56 ng/ml

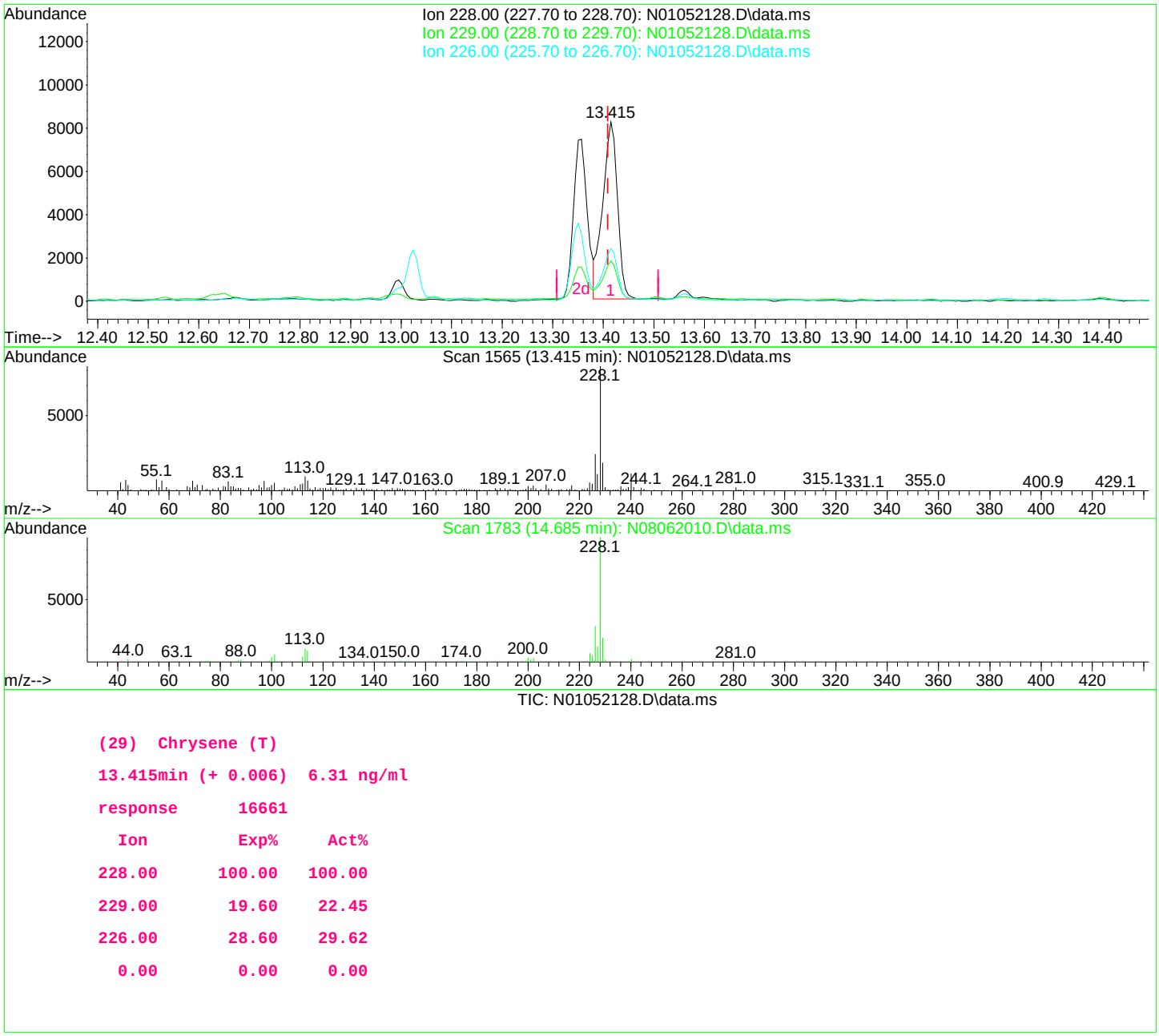
response 14220

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.40	21.20
226.00	26.20	41.77
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052128.D
Acq On : 06 Jan 2021 04:01 am
Operator : JK/ AMS/ DTH
Sample : A0K0482-21
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jan 06 13:14:41 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01052128.D\data.ms

(29) Chrysene (T)

13.415min (+ 0.006) 6.31 ng/ml

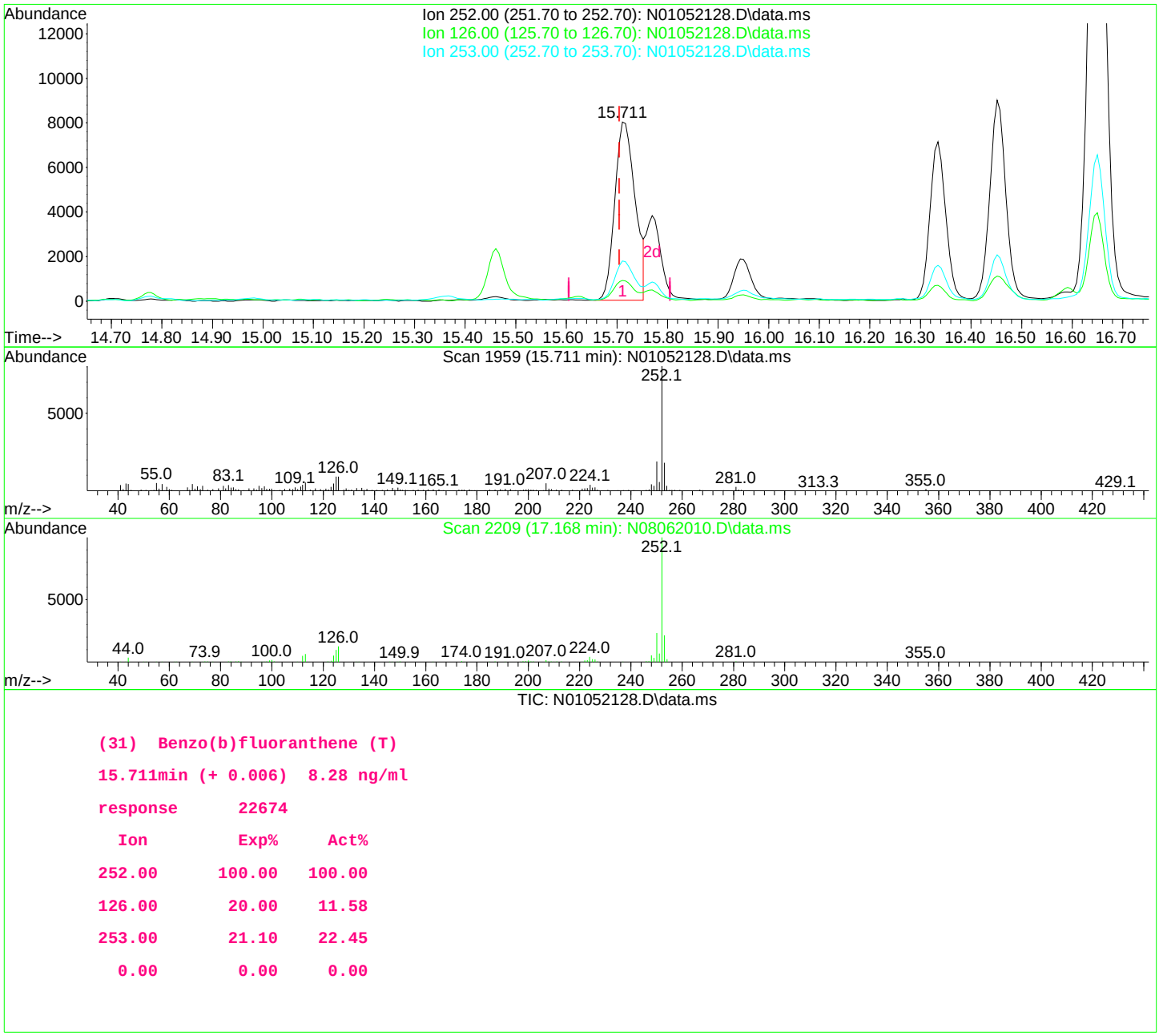
response 16661

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.60	22.45
226.00	28.60	29.62
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052128.D
Acq On : 06 Jan 2021 04:01 am
Operator : JK/ AMS/ DTH
Sample : A0K0482-21
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jan 06 13:14:41 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01052128.D\data.ms

(31) Benzo(b)fluoranthene (T)

15.711min (+ 0.006) 8.28 ng/ml

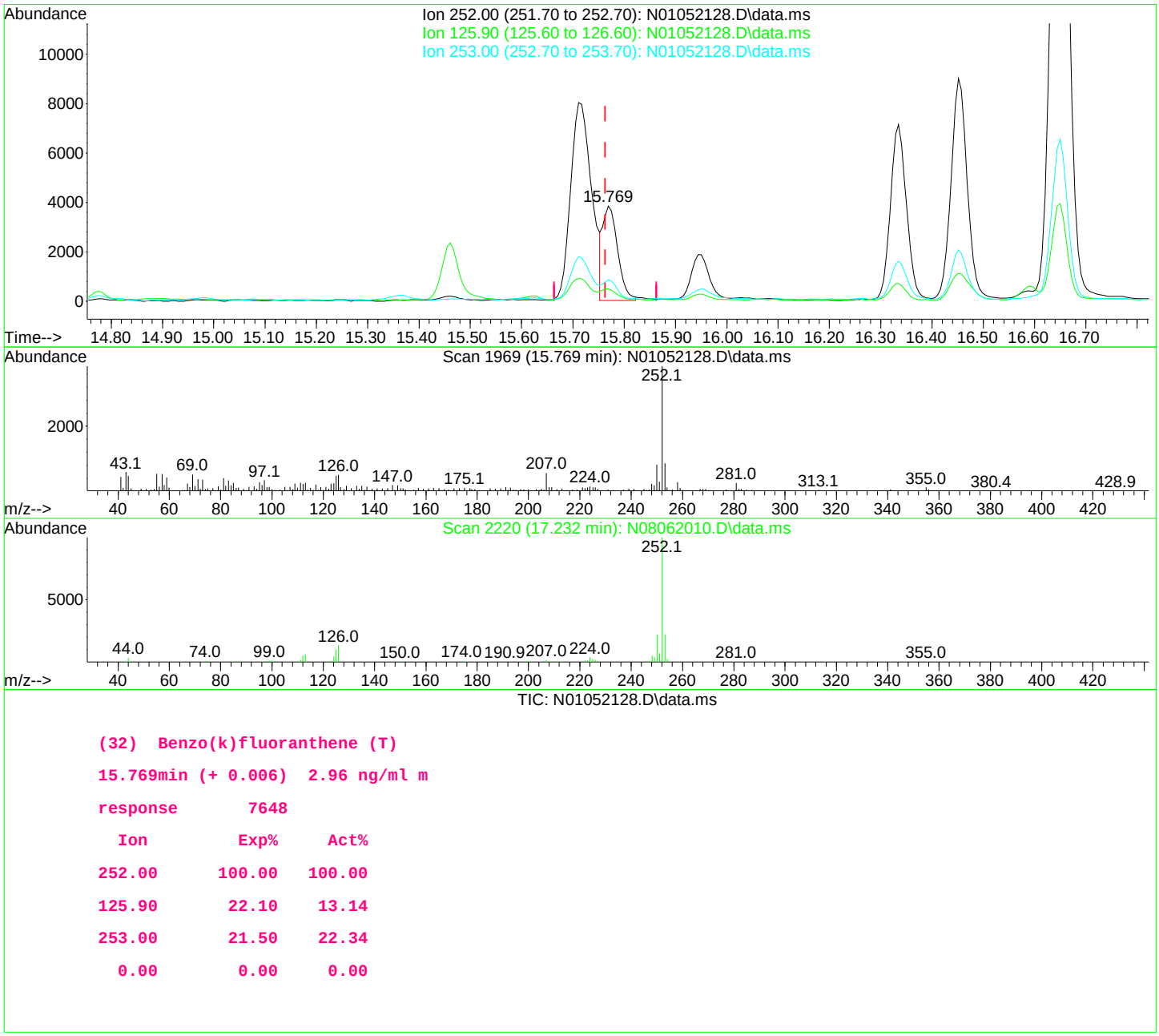
response 22674

Ion	Exp%	Act%
252.00	100.00	100.00
126.00	20.00	11.58
253.00	21.10	22.45
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052128.D
Acq On : 06 Jan 2021 04:01 am
Operator : JK/ AMS/ DTH
Sample : A0K0482-21
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jan 06 13:14:41 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01052128.D\data.ms

(32) Benzo(k)fluoranthene (T)

15.769min (+ 0.006) 2.96 ng/ml m

response 7648

Ion	Exp%	Act%
252.00	100.00	100.00
125.90	22.10	13.14
253.00	21.50	22.34
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052128.D
Acq On : 06 Jan 2021 04:01 am
Operator : JK/ AMS/ DTH
Sample : A0K0482-21
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jan 06 13:14:41 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

TIC: N01052128.D\data.ms

(35) Benzo(a)pyrene (T)

16.451min (+ 0.006) 9.78 ng/ml

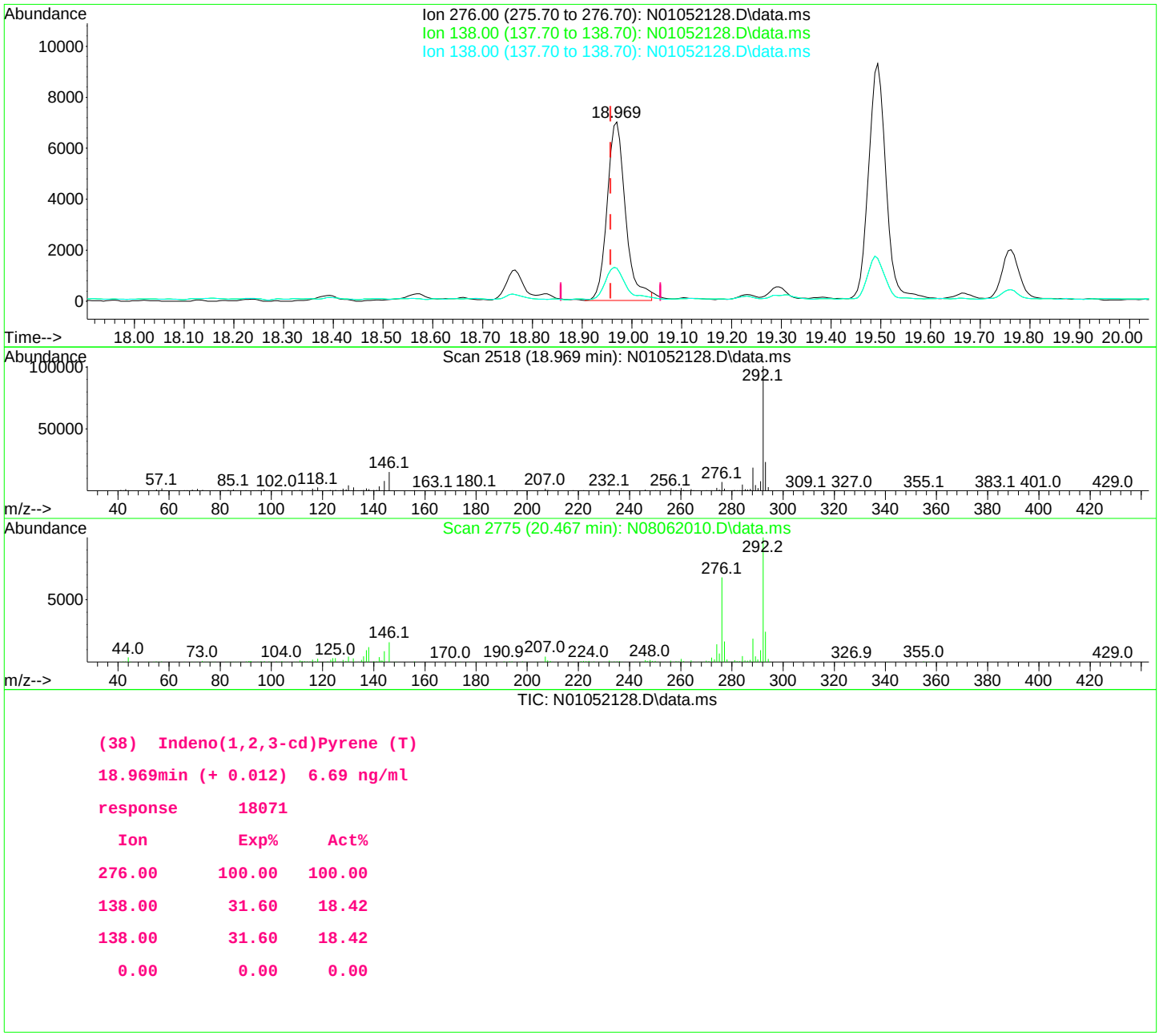
response 19417

Ion	Exp%	Act%
252.00	100.00	100.00
112.90	12.70	11.32
253.00	21.90	23.05
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052128.D
Acq On : 06 Jan 2021 04:01 am
Operator : JK/ AMS/ DTH
Sample : A0K0482-21
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jan 06 13:14:41 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01052128.D\data.ms

(38) Indeno(1,2,3-cd)Pyrene (T)

18.969min (+ 0.012) 6.69 ng/ml

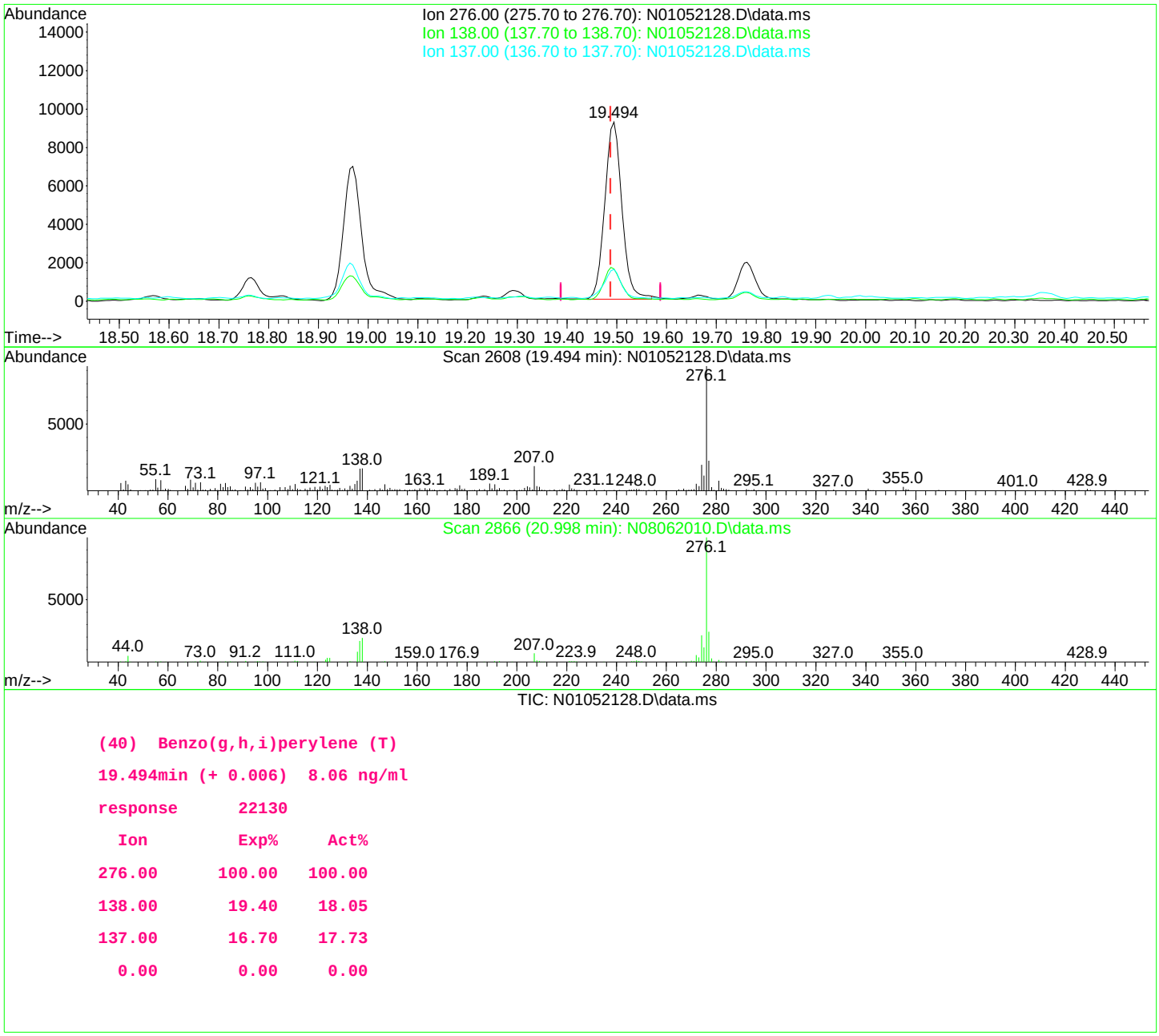
response 18071

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	31.60	18.42
138.00	31.60	18.42
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052128.D
Acq On : 06 Jan 2021 04:01 am
Operator : JK/ AMS/ DTH
Sample : A0K0482-21
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jan 06 13:14:41 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01052128.D\data.ms

(40) Benzo(g,h,i)perylene (T)

19.494min (+ 0.006) 8.06 ng/ml

response 22130

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	19.40	18.05
137.00	16.70	17.73
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

AMS 1/6/21

Data Path : U:\data\2021-01\1A05060\
Data File : N01052129.D
Acq On : 06 Jan 2021 04:31 am
Operator : JK/ AMS/ DTH
Sample : 1012490-MS2
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jan 06 13:17:32 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.091	136	186052	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	8.822	162	125644	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.314	188	231784	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	13.368	240	228309	100.00	ng/ml	0.00
30) Perylene-d12 (ISTD)	16.591	264	238150	100.00	ng/ml	0.00
37) Dibenz(a,h)Anthrcene-d...	18.969	292	204181	100.00	ng/ml	0.01
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	6.414	82	39462	75.71	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.157	172	148581	82.71	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	9.620	330	38057	128.86	ng/ml	0.00
27) Terphenyl-d14 (Surr)	11.940	244	188227	85.75	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	6.560	138	3967	35.92	ng/ml	89
4) Naphthalene	7.108	128	62994	32.83	ng/ml	98
5) 2-Methylnaphthalene	7.790	142	50591	36.47	ng/ml	96
6) 1-Methylnaphthalene	7.883	142	48321	34.81	ng/ml	97
7) 1,1'-Biphenyl	8.250	154	65215	36.94	ng/ml	95
8) 2,6-Dimethylnaphthalene	8.408	156	46848	36.21	ng/ml	96
11) Acenaphthylene	8.676	152	74855	35.55	ng/ml	99
12) Acenaphthene	8.851	153	53547	34.80	ng/ml	99
13) Dibenzofuran	9.032	168	69841	36.10	ng/ml	93
14) 1,6,7-Trimethylnaphtha...	9.241	170	46512	33.34	ng/ml	99
15) Fluorene	9.375	166	57163	36.49	ng/ml	99
18) Pentachlorophenol (PCP)	10.151	266	24051	169.34	ng/ml	99
19) Dibenzothiopene	10.209	184	79855	35.48	ng/ml	93
20) Phenanthrene	10.337	178	90171	35.94	ng/ml	100
21) Anthracene	10.390	178	76035	37.00	ng/ml	99
22) Carbazole	10.564	167	61668	40.37	ng/ml	98
23) 1-Methylphenanthrene	10.961	192	66140	36.67	ng/ml	97
24) Fluoranthene	11.538	202	102743	39.48	ng/ml	94
26) Pyrene	11.765	202	106635	34.88	ng/ml	99
28) Benz(a)anthracene	13.356	228	85084	37.28	ng/ml	100
29) Chrysene	13.415	228	84221	35.71	ng/ml	99
31) Benzo(b)fluoranthene	15.711	252	86928	36.00	ng/ml	90
32) Benzo(k)fluoranthene	15.775	252	82863	36.37	ng/ml	89

Quantitation Report (QT Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052129.D
Acq On : 06 Jan 2021 04:31 am
Operator : JK/ AMS/ DTH
Sample : 1012490-MS2
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jan 06 13:17:32 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

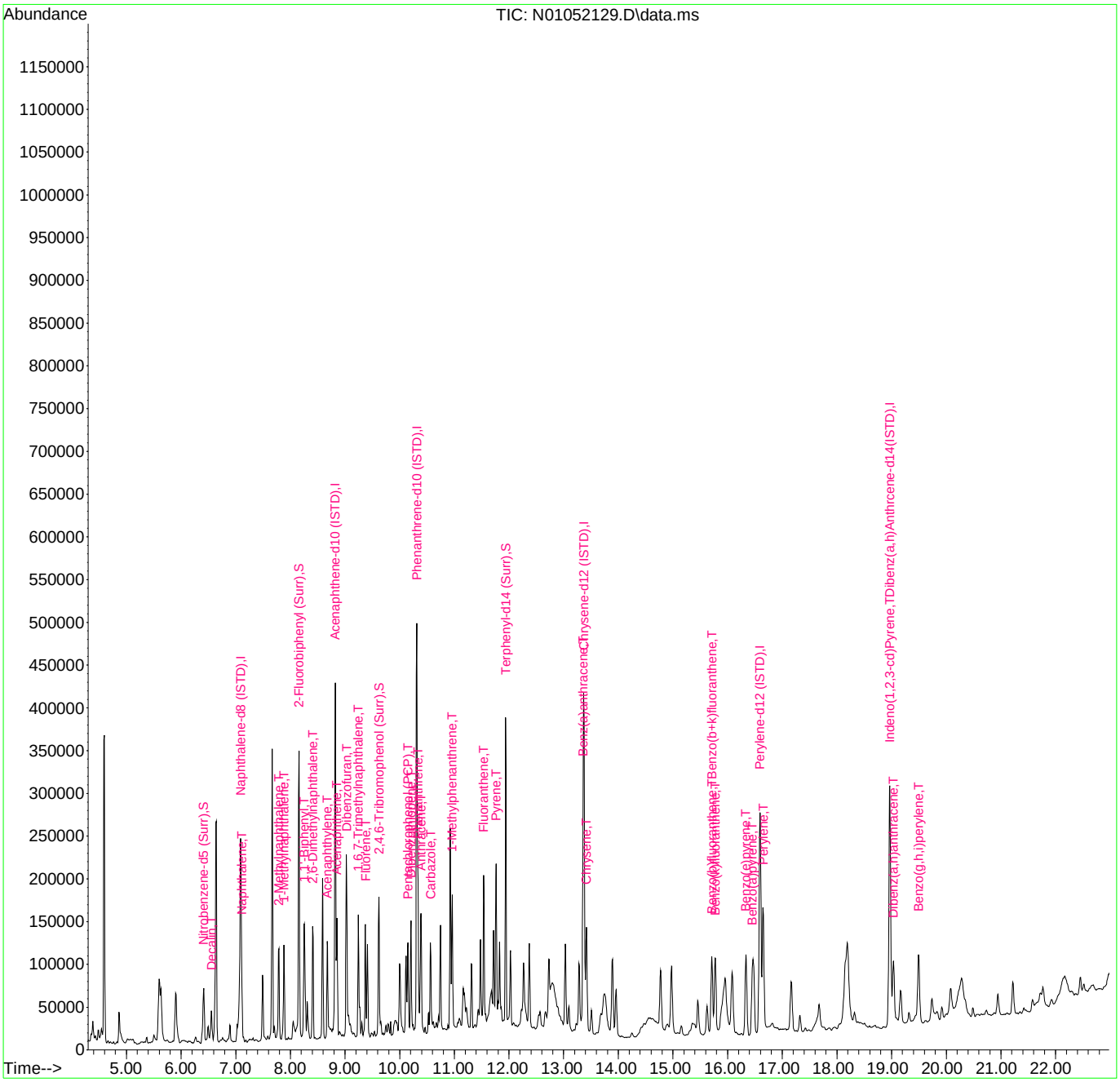
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	15.711	252	173445	70.57	ng/ml	88
34) Benzo(e)pyrene	16.335	252	87341	36.37	ng/ml	98
35) Benzo(a)pyrene	16.451	252	64892	37.06	ng/ml	96
36) Perylene	16.650	252	125636	48.33	ng/ml	99
38) Indeno(1,2,3-cd)Pyrene	18.969	276	71852	32.70	ng/ml	73
39) Dibenz(a,h)anthracene	19.033	278	65278	30.21	ng/ml	78
40) Benzo(g,h,i)perylene	19.494	276	76258	34.13	ng/ml	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052129.D
Acq On : 06 Jan 2021 04:31 am
Operator : JK/ AMS/ DTH
Sample : 1012490-MS2
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jan 06 13:17:32 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052129.D
Acq On : 06 Jan 2021 04:31 am
Operator : JK/ AMS/ DTH
Sample : 1012490-MS2
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jan 06 13:17:32 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.091	136	186052	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	8.822	162	125644	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.314	188	231784	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	13.368	240	228309	100.00	ng/ml	0.00
30) Perylene-d12 (ISTD)	16.591	264	238150	100.00	ng/ml	0.00
37) Dibenz(a,h)Anthrcene-d...	18.969	292	204181	100.00	ng/ml	0.01
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	6.414	82	39462	75.71	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.157	172	148581	82.71	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	9.620	330	38057	128.86	ng/ml	0.00
27) Terphenyl-d14 (Surr)	11.940	244	188227	85.75	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	6.560	138	3967	35.92	ng/ml	89
4) Naphthalene	7.108	128	62994	32.83	ng/ml	98
5) 2-Methylnaphthalene	7.790	142	50591	36.47	ng/ml	96
6) 1-Methylnaphthalene	7.883	142	48321	34.81	ng/ml	97
7) 1,1'-Biphenyl	8.250	154	65215	36.94	ng/ml	95
8) 2,6-Dimethylnaphthalene	8.408	156	46848	36.21	ng/ml	96
11) Acenaphthylene	8.676	152	74855	35.55	ng/ml	99
12) Acenaphthene	8.851	153	53547	34.80	ng/ml	99
13) Dibenzofuran	9.032	168	69841	36.10	ng/ml	93
14) 1,6,7-Trimethylnaphtha...	9.241	170	46512	33.34	ng/ml	99
15) Fluorene	9.375	166	57163	36.49	ng/ml	99
18) Pentachlorophenol (PCP)	10.151	266	24051	169.34	ng/ml	99
19) Dibenzothiopene	10.209	184	79855	35.48	ng/ml	93
20) Phenanthrene	10.337	178	90171	35.94	ng/ml	100
21) Anthracene	10.390	178	76035	37.00	ng/ml	99
22) Carbazole	10.564	167	61668	40.37	ng/ml	98
23) 1-Methylphenanthrene	10.961	192	66140	36.67	ng/ml	97
24) Fluoranthene	11.538	202	102743	39.48	ng/ml	94
26) Pyrene	11.765	202	106635	34.88	ng/ml	99
28) Benz(a)anthracene	13.356	228	85084	37.28	ng/ml	100
29) Chrysene	13.415	228	84221	35.71	ng/ml	99
31) Benzo(b)fluoranthene	15.711	252	86928	36.00	ng/ml	90
32) Benzo(k)fluoranthene	15.775	252	82863	36.37	ng/ml	89

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052129.D
Acq On : 06 Jan 2021 04:31 am
Operator : JK/ AMS/ DTH
Sample : 1012490-MS2
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jan 06 13:17:32 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

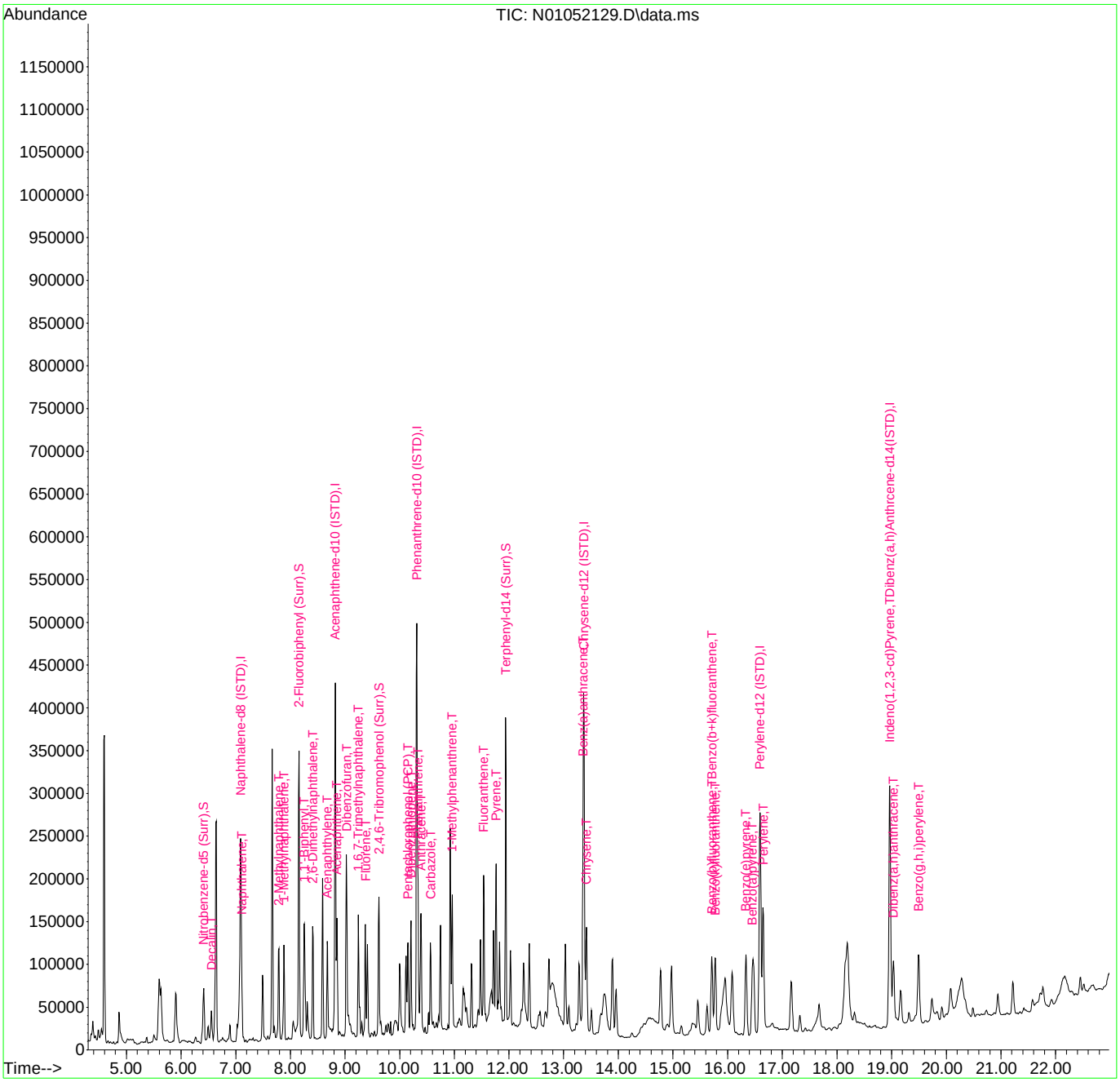
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	15.711	252	173445	70.57	ng/ml	88
34) Benzo(e)pyrene	16.335	252	87341	36.37	ng/ml	98
35) Benzo(a)pyrene	16.451	252	64892	37.06	ng/ml	96
36) Perylene	16.650	252	125636	48.33	ng/ml	99
38) Indeno(1,2,3-cd)Pyrene	18.969	276	71852	32.70	ng/ml	73
39) Dibenz(a,h)anthracene	19.033	278	65278	30.21	ng/ml	78
40) Benzo(g,h,i)perylene	19.494	276	76258	34.13	ng/ml	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052129.D
Acq On : 06 Jan 2021 04:31 am
Operator : JK/ AMS/ DTH
Sample : 1012490-MS2
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jan 06 13:17:32 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

AMS 1/6/21

Data Path : U:\data\2021-01\1A05060\
Data File : N01052130.D
Acq On : 06 Jan 2021 05:02 am
Operator : JK/ AMS/ DTH
Sample : 1012490-MSD2
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jan 06 13:18:08 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.085	136	181343	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	8.822	162	130173	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.314	188	248378	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	13.368	240	255148	100.00	ng/ml	0.00
30) Perylene-d12 (ISTD)	16.591	264	269090	100.00	ng/ml	0.00
37) Dibenz(a,h)Anthrcene-d...	18.969	292	245915	100.00	ng/ml	0.01
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	6.409	82	37026	72.89	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.157	172	147487	79.24	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	9.620	330	40186	127.06	ng/ml	0.00
27) Terphenyl-d14 (Surr)	11.940	244	200499	81.73	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	6.560	138	3417	31.74	ng/ml	81
4) Naphthalene	7.108	128	61035	32.64	ng/ml	99
5) 2-Methylnaphthalene	7.790	142	49945	36.94	ng/ml	97
6) 1-Methylnaphthalene	7.883	142	47275	34.94	ng/ml	96
7) 1,1'-Biphenyl	8.250	154	63945	37.16	ng/ml	96
8) 2,6-Dimethylnaphthalene	8.408	156	47478	37.65	ng/ml	96
11) Acenaphthylene	8.676	152	76713	35.16	ng/ml	98
12) Acenaphthene	8.857	153	54752	34.34	ng/ml	99
13) Dibenzofuran	9.031	168	72652	36.24	ng/ml	92
14) 1,6,7-Trimethylnaphtha...	9.247	170	48467	33.53	ng/ml	97
15) Fluorene	9.375	166	59589	36.71	ng/ml	99
18) Pentachlorophenol (PCP)	10.151	266	27520	178.01	ng/ml	97
19) Dibenzothiopene	10.209	184	85116	35.29	ng/ml	92
20) Phenanthrene	10.337	178	93963	34.95	ng/ml	99
21) Anthracene	10.390	178	82272	37.36	ng/ml	99
22) Carbazole	10.564	167	69059	42.19	ng/ml	98
23) 1-Methylphenanthrene	10.961	192	67589	34.97	ng/ml	97
24) Fluoranthene	11.538	202	108878	39.04	ng/ml	94
26) Pyrene	11.765	202	113090	33.10	ng/ml	99
28) Benz(a)anthracene	13.356	228	92807	36.38	ng/ml	99
29) Chrysene	13.415	228	92109	34.95	ng/ml	100
31) Benzo(b)fluoranthene	15.711	252	99091	36.32	ng/ml	90
32) Benzo(k)fluoranthene	15.769	252	90205	35.04	ng/ml	90

Quantitation Report (QT Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052130.D
Acq On : 06 Jan 2021 05:02 am
Operator : JK/ AMS/ DTH
Sample : 1012490-MSD2
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jan 06 13:18:08 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

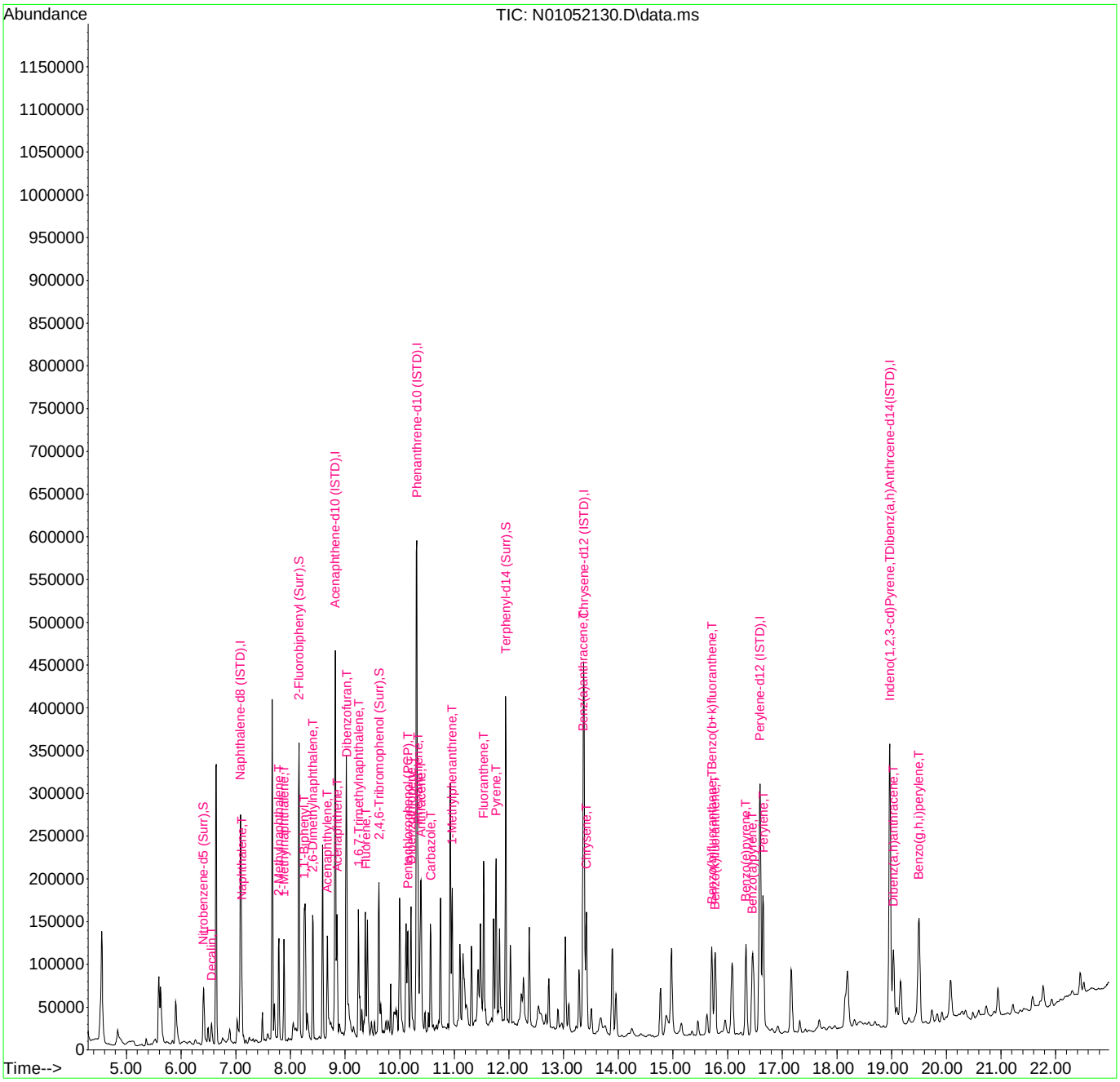
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	15.711	252	192900	69.47	ng/ml	88
34) Benzo(e)pyrene	16.335	252	95980	35.37	ng/ml	97
35) Benzo(a)pyrene	16.451	252	73957	37.39	ng/ml	96
36) Perylene	16.650	252	143204	48.75	ng/ml	99
38) Indeno(1,2,3-cd)Pyrene	18.969	276	85398	32.27	ng/ml	74
39) Dibenz(a,h)anthracene	19.033	278	78201	30.05	ng/ml	76
40) Benzo(g,h,i)perylene	19.494	276	89203	33.15	ng/ml	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052130.D
Acq On : 06 Jan 2021 05:02 am
Operator : JK/ AMS/ DTH
Sample : 1012490-MSD2
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jan 06 13:18:08 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052130.D
Acq On : 06 Jan 2021 05:02 am
Operator : JK/ AMS/ DTH
Sample : 1012490-MSD2
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jan 06 13:18:08 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.085	136	181343	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	8.822	162	130173	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.314	188	248378	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	13.368	240	255148	100.00	ng/ml	0.00
30) Perylene-d12 (ISTD)	16.591	264	269090	100.00	ng/ml	0.00
37) Dibenz(a,h)Anthrcene-d...	18.969	292	245915	100.00	ng/ml	0.01
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	6.409	82	37026	72.89	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.157	172	147487	79.24	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	9.620	330	40186	127.06	ng/ml	0.00
27) Terphenyl-d14 (Surr)	11.940	244	200499	81.73	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	6.560	138	3417	31.74	ng/ml	81
4) Naphthalene	7.108	128	61035	32.64	ng/ml	99
5) 2-Methylnaphthalene	7.790	142	49945	36.94	ng/ml	97
6) 1-Methylnaphthalene	7.883	142	47275	34.94	ng/ml	96
7) 1,1'-Biphenyl	8.250	154	63945	37.16	ng/ml	96
8) 2,6-Dimethylnaphthalene	8.408	156	47478	37.65	ng/ml	96
11) Acenaphthylene	8.676	152	76713	35.16	ng/ml	98
12) Acenaphthene	8.857	153	54752	34.34	ng/ml	99
13) Dibenzofuran	9.031	168	72652	36.24	ng/ml	92
14) 1,6,7-Trimethylnaphtha...	9.247	170	48467	33.53	ng/ml	97
15) Fluorene	9.375	166	59589	36.71	ng/ml	99
18) Pentachlorophenol (PCP)	10.151	266	27520	178.01	ng/ml	97
19) Dibenzothiopene	10.209	184	85116	35.29	ng/ml	92
20) Phenanthrene	10.337	178	93963	34.95	ng/ml	99
21) Anthracene	10.390	178	82272	37.36	ng/ml	99
22) Carbazole	10.564	167	69059	42.19	ng/ml	98
23) 1-Methylphenanthrene	10.961	192	67589	34.97	ng/ml	97
24) Fluoranthene	11.538	202	108878	39.04	ng/ml	94
26) Pyrene	11.765	202	113090	33.10	ng/ml	99
28) Benz(a)anthracene	13.356	228	92807	36.38	ng/ml	99
29) Chrysene	13.415	228	92109	34.95	ng/ml	100
31) Benzo(b)fluoranthene	15.711	252	99091	36.32	ng/ml	90
32) Benzo(k)fluoranthene	15.769	252	90205	35.04	ng/ml	90

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052130.D
Acq On : 06 Jan 2021 05:02 am
Operator : JK/ AMS/ DTH
Sample : 1012490-MSD2
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jan 06 13:18:08 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

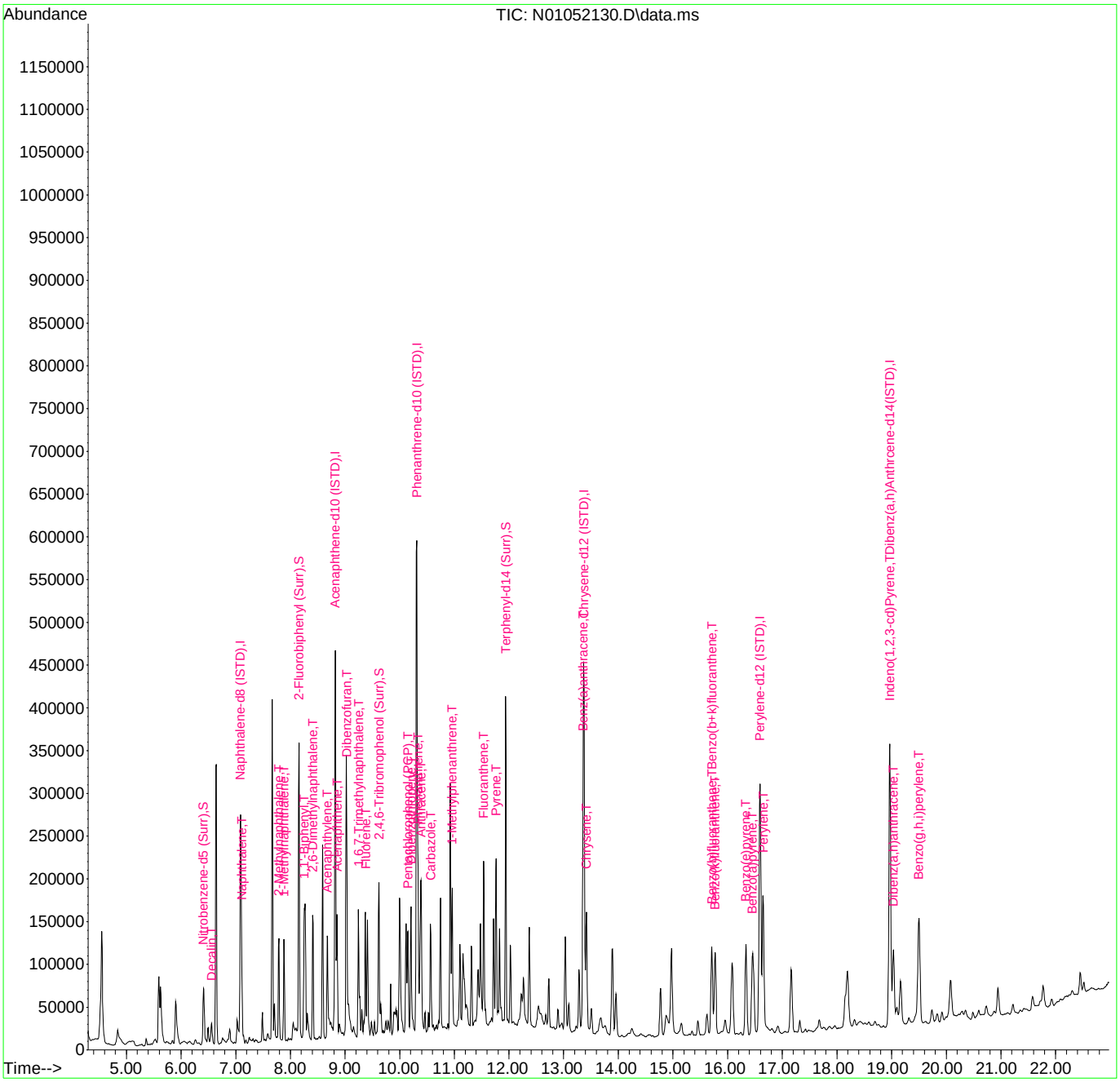
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	15.711	252	192900	69.47	ng/ml	88
34) Benzo(e)pyrene	16.335	252	95980	35.37	ng/ml	97
35) Benzo(a)pyrene	16.451	252	73957	37.39	ng/ml	96
36) Perylene	16.650	252	143204	48.75	ng/ml	99
38) Indeno(1,2,3-cd)Pyrene	18.969	276	85398	32.27	ng/ml	74
39) Dibenz(a,h)anthracene	19.033	278	78201	30.05	ng/ml	76
40) Benzo(g,h,i)perylene	19.494	276	89203	33.15	ng/ml	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052130.D
Acq On : 06 Jan 2021 05:02 am
Operator : JK/ AMS/ DTH
Sample : 1012490-MSD2
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jan 06 13:18:08 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

AMS 1/6/21

Data Path : U:\data\2021-01\1A05060\
Data File : N01052131.D
Acq On : 06 Jan 2021 05:32 am
Operator : JK/ AMS/ DTH
Sample : A0K0482-20
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jan 06 13:18:49 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.090	136	197644	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	8.821	162	130923	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.313	188	237718	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	13.368	240	229713	100.00	ng/ml	0.00
30) Perylene-d12 (ISTD)	16.591	264	241664	100.00	ng/ml	0.00
37) Dibenz(a,h)Anthrcene-d...	18.969	292	198675	100.00	ng/ml	0.01
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	6.414	82	38269	69.12	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.157	172	139681	74.62	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	9.620	330	34505	114.50	ng/ml	0.00
27) Terphenyl-d14 (Surr)	11.940	244	179767	81.39	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	6.566	138	80	0.68	ng/ml#	1
4) Naphthalene	7.114	128	2682	1.32	ng/ml	91
5) 2-Methylnaphthalene	7.790	142	1043	0.71	ng/ml	83
6) 1-Methylnaphthalene	7.883	142	875	0.59	ng/ml	84
7) 1,1'-Biphenyl	8.256	154	1432	0.76	ng/ml	70
8) 2,6-Dimethylnaphthalene	8.413	156	622	0.45	ng/ml	79
11) Acenaphthylene	8.681	152	523	N.D.		
12) Acenaphthene	8.856	153	1337	0.83	ng/ml	98
13) Dibenzofuran	9.025	168	522	N.D.		
14) 1,6,7-Trimethylnaphtha...	9.253	170	245	N.D.		
15) Fluorene	9.375	166	679	0.42	ng/ml	91
18) Pentachlorophenol (PCP)	10.150	266	253	11.09	ng/ml	88
19) Dibenzothiopene	10.209	184	644	N.D.		
20) Phenanthrene	10.337	178	4411	1.71	ng/ml	95
21) Anthracene	10.389	178	589	N.D.		
22) Carbazole	10.564	167	283	N.D.		
23) 1-Methylphenanthrene	10.960	192	418	N.D.		
24) Fluoranthene	11.537	202	4170	1.56	ng/ml	95
26) Pyrene	11.765	202	5444	1.77	ng/ml	95
28) Benz(a)anthracene	13.356	228	1777	0.77	ng/ml	61
29) Chrysene	13.414	228	1642	0.69	ng/ml	88
31) Benzo(b)fluoranthene	15.717	252	1724	0.70	ng/ml	89
32) Benzo(k)fluoranthene	15.775	252	765	N.D.		

Data Path : U:\data\2021-01\1A05060\
Data File : N01052131.D
Acq On : 06 Jan 2021 05:32 am
Operator : JK/ AMS/ DTH
Sample : A0K0482-20
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jan 06 13:18:49 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	15.717	252	3304	1.32	ng/ml	87
34) Benzo(e)pyrene	16.334	252	1265	0.52	ng/ml	84
35) Benzo(a)pyrene	16.457	252	1726	0.97	ng/ml#	1
36) Perylene	16.649	252	87816	33.29	ng/ml	100
38) Indeno(1,2,3-cd)Pyrene	18.969	276	2066	0.97	ng/ml	92
39) Dibenz(a,h)anthracene	19.033	278	397	N.D.		
40) Benzo(g,h,i)perylene	19.494	276	2421	1.11	ng/ml	76

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052131.D
Acq On : 06 Jan 2021 05:32 am
Operator : JK/ AMS/ DTH
Sample : A0K0482-20
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jan 06 13:18:49 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
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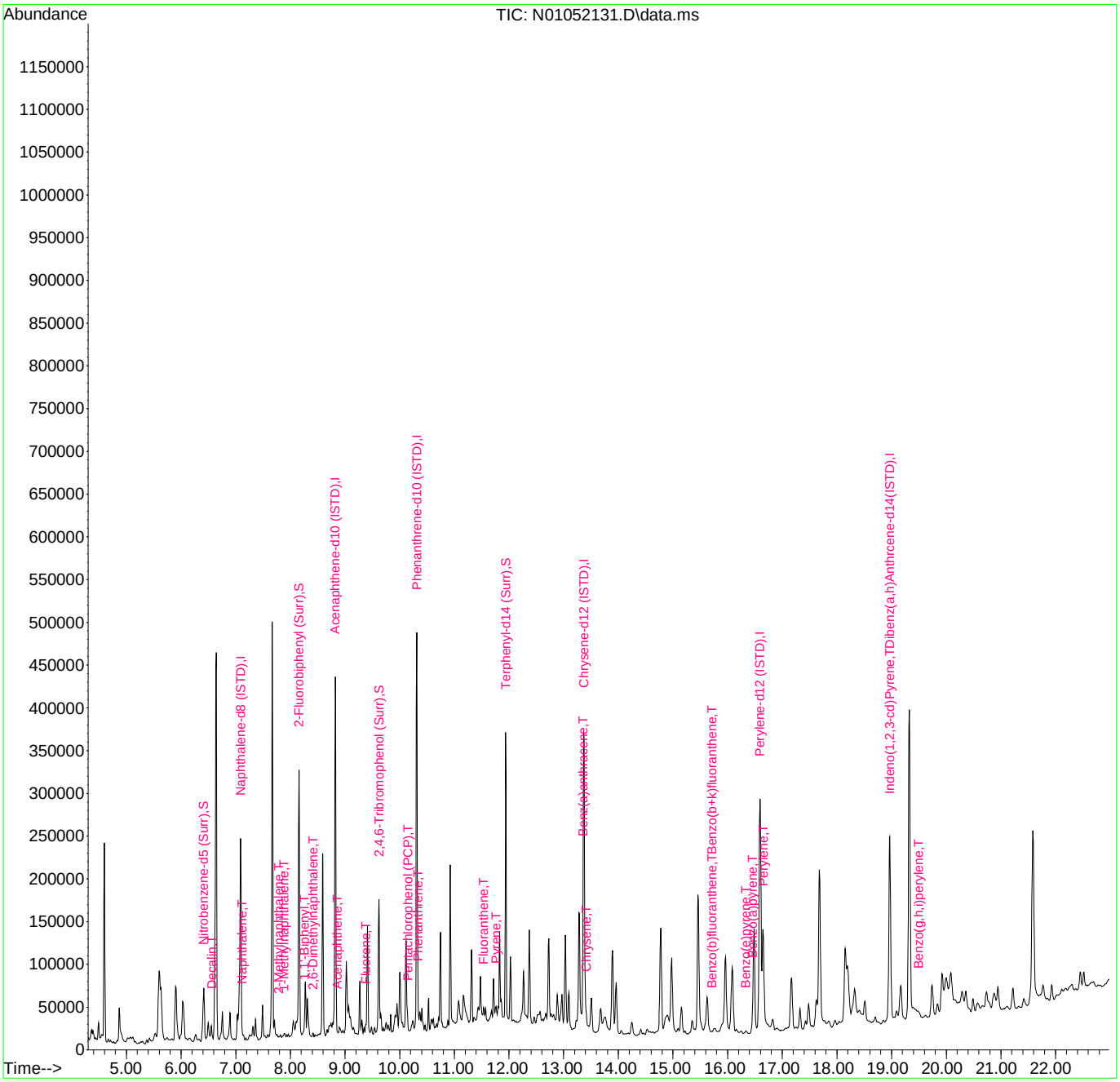


Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052131.D
Acq On : 06 Jan 2021 05:32 am
Operator : JK/ AMS/ DTH
Sample : A0K0482-20
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jan 06 13:18:49 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.090	136	197644	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	8.821	162	130923	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.313	188	237718	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	13.368	240	229713	100.00	ng/ml	0.00
30) Perylene-d12 (ISTD)	16.591	264	241664	100.00	ng/ml	0.00
37) Dibenz(a,h)Anthrcene-d...	18.969	292	198675	100.00	ng/ml	0.01
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	6.414	82	38269	69.12	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.157	172	139681	74.62	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	9.620	330	34505	114.50	ng/ml	0.00
27) Terphenyl-d14 (Surr)	11.940	244	179767	81.39	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	6.566	138	80	0.68	ng/ml#	1
4) Naphthalene	7.114	128	2682	1.32	ng/ml	91
5) 2-Methylnaphthalene	7.790	142	1043	0.71	ng/ml	83
6) 1-Methylnaphthalene	7.883	142	875	0.59	ng/ml	84
7) 1,1'-Biphenyl	8.256	154	1432	0.76	ng/ml	70
8) 2,6-Dimethylnaphthalene	8.413	156	622	0.45	ng/ml	79
11) Acenaphthylene	8.681	152	523	N.D.		
12) Acenaphthene	8.856	153	1337	0.83	ng/ml	98
13) Dibenzofuran	9.025	168	522	N.D.		
14) 1,6,7-Trimethylnaphtha...	9.253	170	245	N.D.		
15) Fluorene	9.375	166	679	0.42	ng/ml	91
18) Pentachlorophenol (PCP)	10.150	266	253	11.09	ng/ml	88
19) Dibenzothiopene	10.209	184	644	N.D.		
20) Phenanthrene	10.337	178	4411	1.71	ng/ml	95
21) Anthracene	10.389	178	589	N.D.		
22) Carbazole	10.564	167	283	N.D.		
23) 1-Methylphenanthrene	10.960	192	418	N.D.		
24) Fluoranthene	11.537	202	4170	1.56	ng/ml	95
26) Pyrene	11.765	202	5444	1.77	ng/ml	95
28) Benz(a)anthracene	13.356	228	1777	0.77	ng/ml	61
29) Chrysene	13.414	228	1642	0.69	ng/ml	88
31) Benzo(b)fluoranthene	15.717	252	1724	0.70	ng/ml	89
32) Benzo(k)fluoranthene	15.775	252	765	N.D.		

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052131.D
Acq On : 06 Jan 2021 05:32 am
Operator : JK/ AMS/ DTH
Sample : A0K0482-20
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jan 06 13:18:49 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

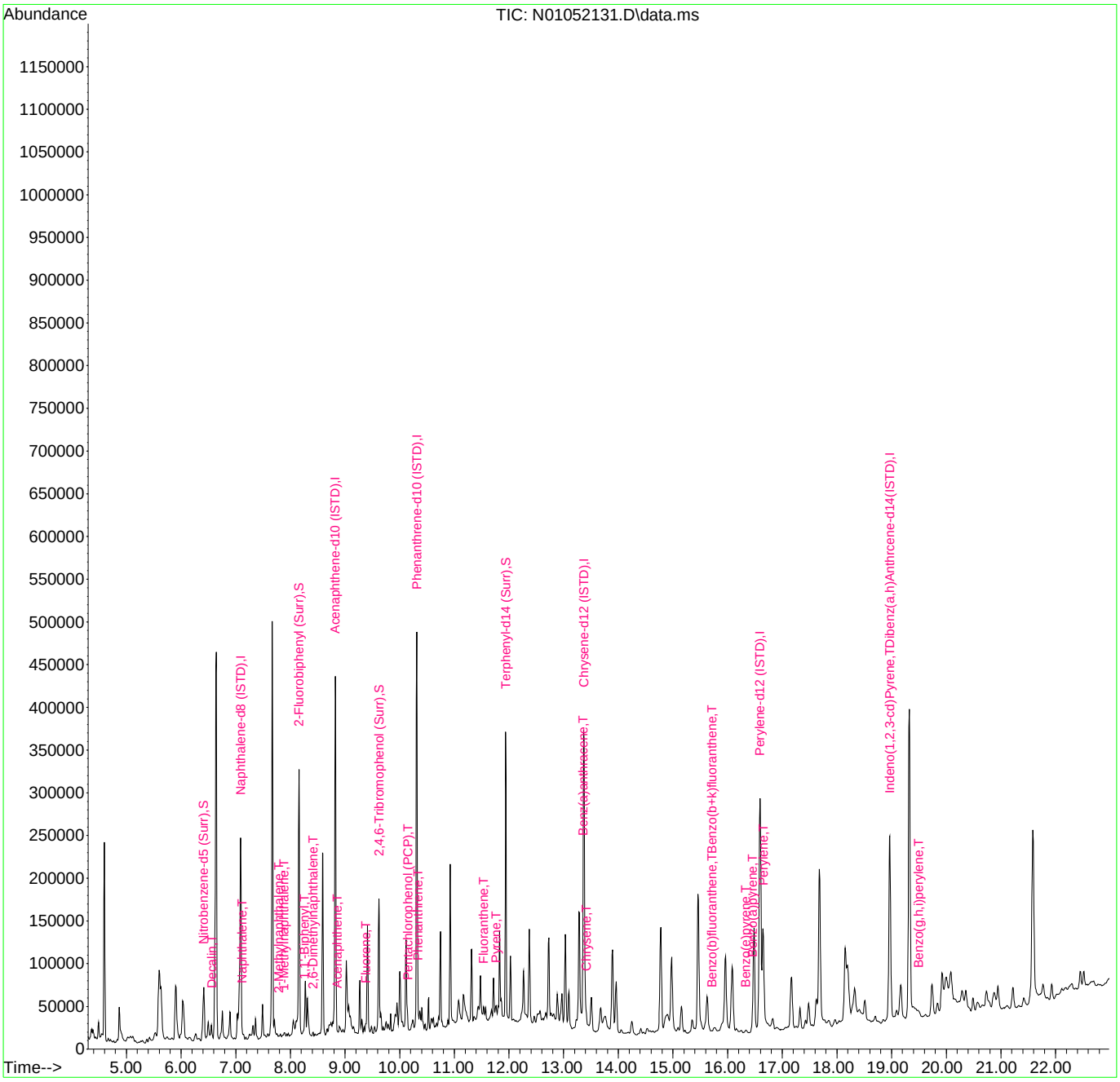
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	15.717	252	3304	1.32	ng/ml	87
34) Benzo(e)pyrene	16.334	252	1265	0.52	ng/ml	84
35) Benzo(a)pyrene	16.457	252	1726	0.97	ng/ml#	1
36) Perylene	16.649	252	87816	33.29	ng/ml	100
38) Indeno(1,2,3-cd)Pyrene	18.969	276	2066	0.97	ng/ml	92
39) Dibenz(a,h)anthracene	19.033	278	397	N.D.		
40) Benzo(g,h,i)perylene	19.494	276	2421	1.11	ng/ml	76

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052131.D
Acq On : 06 Jan 2021 05:32 am
Operator : JK/ AMS/ DTH
Sample : A0K0482-20
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jan 06 13:18:49 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

AMS 1/6/21

Data Path : U:\data\2021-01\1A05060\
Data File : N01052132.D
Acq On : 06 Jan 2021 06:02 am
Operator : JK/ AMS/ DTH
Sample : A0K0482-08
Misc : 1x, 8270E LL PCP ONLY
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jan 06 13:20:44 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.091	136	187276	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	8.822	162	130950	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.314	188	244739	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	13.374	240	243691	100.00	ng/ml	0.00
30) Perylene-d12 (ISTD)	16.597	264	264432	100.00	ng/ml	0.01
37) Dibenz(a,h)Anthrcene-d...	18.969	292	227313	100.00	ng/ml	0.01
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	6.414	82	31028	59.14	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.157	172	124336	66.41	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	9.620	330	31796	102.94	ng/ml	0.00
27) Terphenyl-d14 (Surr)	11.940	244	168610	71.96	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	6.578	138	59	0.53	ng/ml#	1
4) Naphthalene	7.108	128	13615	7.05	ng/ml	97
5) 2-Methylnaphthalene	7.790	142	2365	1.69	ng/ml	94
6) 1-Methylnaphthalene	7.883	142	1551	1.11	ng/ml	95
7) 1,1'-Biphenyl	8.256	154	2766	1.56	ng/ml	89
8) 2,6-Dimethylnaphthalene	8.414	156	1656	1.27	ng/ml	93
11) Acenaphthylene	8.682	152	7377	3.36	ng/ml	92
12) Acenaphthene	8.857	153	40585	25.30	ng/ml	98
13) Dibenzofuran	9.032	168	1062	0.53	ng/ml#	1
14) 1,6,7-Trimethylnaphtha...	9.241	170	3255	2.24	ng/ml	95
15) Fluorene	9.375	166	8546	5.23	ng/ml	91
18) Pentachlorophenol (PCP)	10.151	266	214	10.70	ng/ml	86
19) Dibenzothiopene	10.209	184	28712	12.08	ng/ml	95
20) Phenanthrene	10.337	178	188114	71.02	ng/ml	99
21) Anthracene	10.390	178	6554	3.02	ng/ml	90
22) Carbazole	10.564	167	790	0.49	ng/ml	55
23) 1-Methylphenanthrene	10.955	192	12341	6.48	ng/ml	95
24) Fluoranthene	11.538	202	92084	33.51	ng/ml	94
26) Pyrene	11.765	202	132002	40.45	ng/ml	99
28) Benz(a)anthracene	13.356	228	20395	8.37	ng/ml	72
29) Chrysene	13.415	228	24701	9.81	ng/ml	96
31) Benzo(b)fluoranthene	15.717	252	39530	14.74	ng/ml	90
32) Benzo(k)fluoranthene	15.717	252	47990	18.97	ng/ml	88

Quantitation Report (QT Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052132.D
Acq On : 06 Jan 2021 06:02 am
Operator : JK/ AMS/ DTH
Sample : A0K0482-08
Misc : 1x, 8270E LL PCP ONLY
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jan 06 13:20:44 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

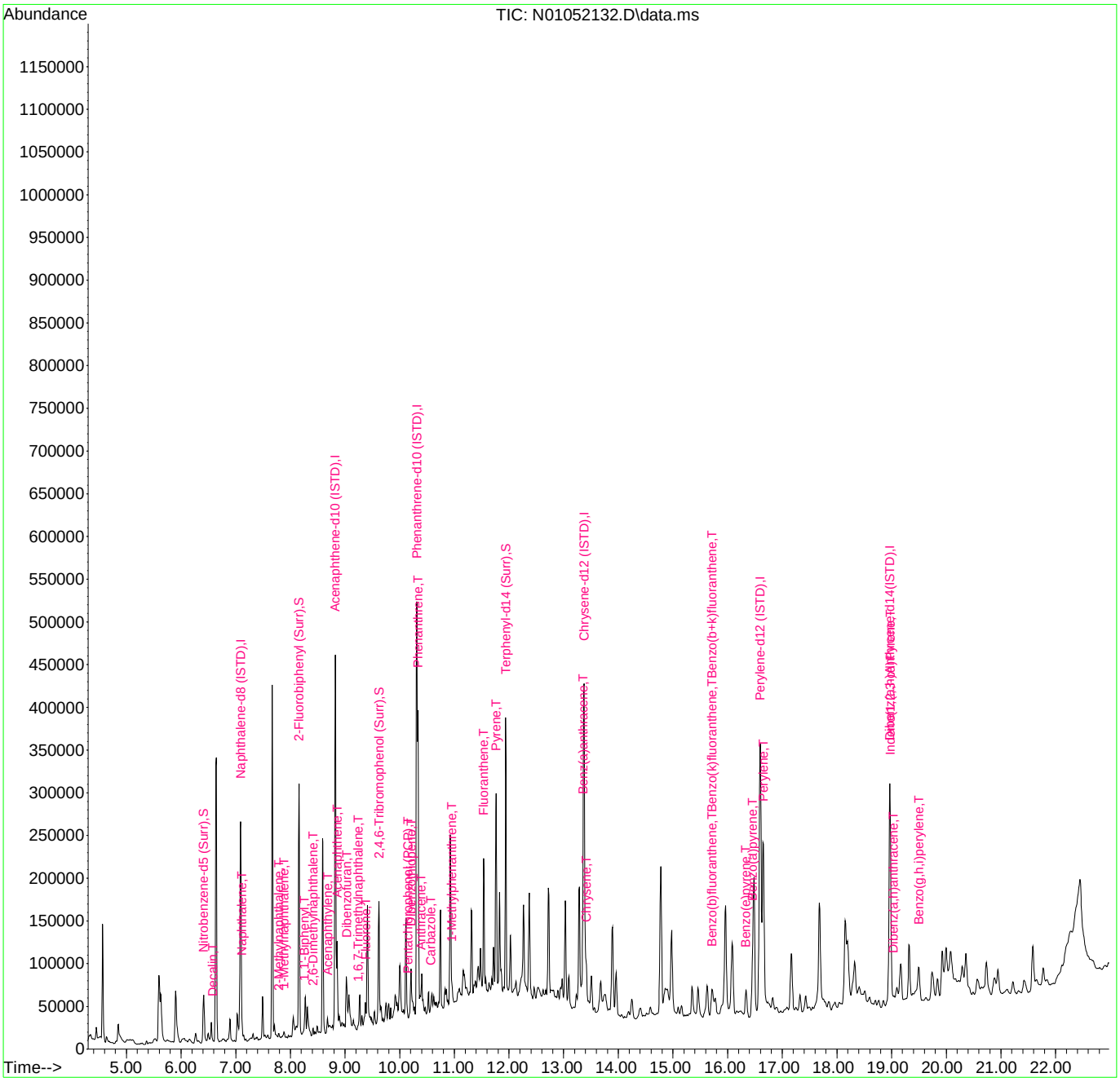
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	15.717	252	53655	19.66	ng/ml	88
34) Benzo(e)pyrene	16.335	252	25399	9.52	ng/ml	98
35) Benzo(a)pyrene	16.457	252	36481	18.77	ng/ml	96
36) Perylene	16.655	252	157797	54.67	ng/ml	99
38) Indeno(1,2,3-cd)Pyrene	18.975	276	27165	11.10	ng/ml	75
39) Dibenz(a,h)anthracene	19.033	278	3211	1.33	ng/ml	93
40) Benzo(g,h,i)perylene	19.500	276	34411	13.83	ng/ml	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052132.D
Acq On : 06 Jan 2021 06:02 am
Operator : JK/ AMS/ DTH
Sample : A0K0482-08
Misc : 1x, 8270E LL PCP ONLY
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jan 06 13:20:44 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052132.D
Acq On : 06 Jan 2021 06:02 am
Operator : JK/ AMS/ DTH
Sample : A0K0482-08
Misc : 1x, 8270E LL PCP ONLY
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jan 06 13:20:44 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.091	136	187276	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	8.822	162	130950	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.314	188	244739	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	13.374	240	243691	100.00	ng/ml	0.00
30) Perylene-d12 (ISTD)	16.597	264	264432	100.00	ng/ml	0.01
37) Dibenz(a,h)Anthrcene-d...	18.969	292	227313	100.00	ng/ml	0.01
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	6.414	82	31028	59.14	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.157	172	124336	66.41	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	9.620	330	31796	102.94	ng/ml	0.00
27) Terphenyl-d14 (Surr)	11.940	244	168610	71.96	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	6.578	138	59	0.53	ng/ml#	1
4) Naphthalene	7.108	128	13615	7.05	ng/ml	97
5) 2-Methylnaphthalene	7.790	142	2365	1.69	ng/ml	94
6) 1-Methylnaphthalene	7.883	142	1551	1.11	ng/ml	95
7) 1,1'-Biphenyl	8.256	154	2766	1.56	ng/ml	89
8) 2,6-Dimethylnaphthalene	8.414	156	1656	1.27	ng/ml	93
11) Acenaphthylene	8.682	152	7377	3.36	ng/ml	92
12) Acenaphthene	8.857	153	40585	25.30	ng/ml	98
13) Dibenzofuran	9.032	168	1062	0.53	ng/ml#	1
14) 1,6,7-Trimethylnaphtha...	9.241	170	3255	2.24	ng/ml	95
15) Fluorene	9.375	166	8546	5.23	ng/ml	91
18) Pentachlorophenol (PCP)	10.151	266	214	10.70	ng/ml	86
19) Dibenzothiopene	10.209	184	28712	12.08	ng/ml	95
20) Phenanthrene	10.337	178	188114	71.02	ng/ml	99
21) Anthracene	10.390	178	6554	3.02	ng/ml	90
22) Carbazole	10.564	167	790	0.49	ng/ml	55
23) 1-Methylphenanthrene	10.955	192	12341	6.48	ng/ml	95
24) Fluoranthene	11.538	202	92084	33.51	ng/ml	94
26) Pyrene	11.765	202	132002	40.45	ng/ml	99
28) Benz(a)anthracene	13.356	228	20395	8.37	ng/ml	72
29) Chrysene	13.415	228	24701	9.81	ng/ml	96
31) Benzo(b)fluoranthene	15.717	252	39530	14.74	ng/ml	90
32) Benzo(k)fluoranthene	15.717	252	47990	18.97	ng/ml	88

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052132.D
Acq On : 06 Jan 2021 06:02 am
Operator : JK/ AMS/ DTH
Sample : A0K0482-08
Misc : 1x, 8270E LL PCP ONLY
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jan 06 13:20:44 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

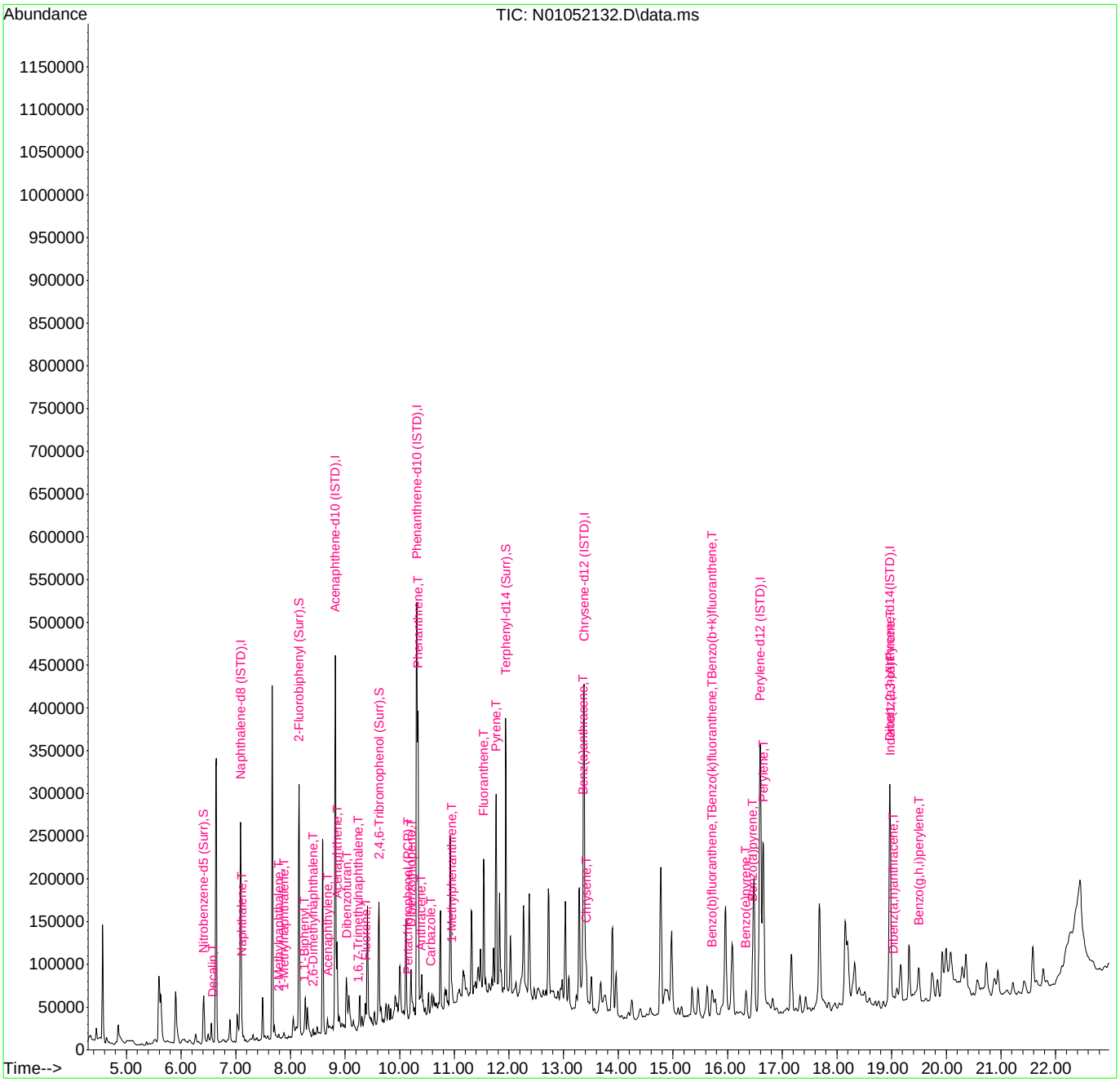
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	15.717	252	53655	19.66	ng/ml	88
34) Benzo(e)pyrene	16.335	252	25399	9.52	ng/ml	98
35) Benzo(a)pyrene	16.457	252	36481	18.77	ng/ml	96
36) Perylene	16.655	252	157797	54.67	ng/ml	99
38) Indeno(1,2,3-cd)Pyrene	18.975	276	27165	11.10	ng/ml	75
39) Dibenz(a,h)anthracene	19.033	278	3211	1.33	ng/ml	93
40) Benzo(g,h,i)perylene	19.500	276	34411	13.83	ng/ml	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052132.D
Acq On : 06 Jan 2021 06:02 am
Operator : JK/ AMS/ DTH
Sample : A0K0482-08
Misc : 1x, 8270E LL PCP ONLY
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jan 06 13:20:44 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

AMS 1/6/21

Data Path : U:\data\2021-01\1A05060\
Data File : N01052133.D
Acq On : 06 Jan 2021 06:33 am
Operator : JK/ AMS/ DTH
Sample : A0K0482-09
Misc : 1x, 8270E LL PCP ONLY
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jan 06 13:21:25 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.090	136	183822	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	8.821	162	130024	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.314	188	250582	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	13.374	240	252992	100.00	ng/ml	0.00
30) Perylene-d12 (ISTD)	16.591	264	278129	100.00	ng/ml	0.00
37) Dibenz(a,h)Anthrcene-d...	18.969	292	247192	100.00	ng/ml	0.01
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	6.414	82	32194	62.52	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.157	172	138191	74.33	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	9.620	330	37960	119.29	ng/ml	0.00
27) Terphenyl-d14 (Surr)	11.940	244	199580	82.05	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	0.000		0	N.D.		
4) Naphthalene	7.108	128	25653	13.53	ng/ml	96
5) 2-Methylnaphthalene	7.790	142	6846	4.99	ng/ml	96
6) 1-Methylnaphthalene	7.883	142	3474	2.53	ng/ml	98
7) 1,1'-Biphenyl	8.256	154	4994	2.86	ng/ml	97
8) 2,6-Dimethylnaphthalene	8.413	156	4562	3.57	ng/ml	99
11) Acenaphthylene	8.682	152	7644	3.51	ng/ml	89
12) Acenaphthene	8.856	153	39169	24.60	ng/ml	99
13) Dibenzofuran	9.031	168	2733	1.36	ng/ml#	58
14) 1,6,7-Trimethylnaphtha...	9.247	170	4681	3.24	ng/ml	89
15) Fluorene	9.375	166	10405	6.42	ng/ml	96
18) Pentachlorophenol (PCP)	10.156	266	385	12.04	ng/ml	85
19) Dibenzothiopene	10.209	184	35780	14.70	ng/ml	95
20) Phenanthrene	10.337	178	270827	99.86	ng/ml	99
21) Anthracene	10.389	178	15600	7.02	ng/ml	93
22) Carbazole	10.564	167	1330	0.81	ng/ml	44
23) 1-Methylphenanthrene	10.955	192	22392	11.48	ng/ml	97
24) Fluoranthene	11.538	202	196351	69.79	ng/ml	94
26) Pyrene	11.765	202	273279	80.67	ng/ml	99
28) Benz(a)anthracene	13.356	228	44231	17.49	ng/ml	78
29) Chrysene	13.414	228	52769	20.19	ng/ml	96
31) Benzo(b)fluoranthene	15.717	252	50387	17.87	ng/ml	89
32) Benzo(k)fluoranthene	15.717	252	62125	23.35	ng/ml	87

Quantitation Report (QT Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052133.D
Acq On : 06 Jan 2021 06:33 am
Operator : JK/ AMS/ DTH
Sample : A0K0482-09
Misc : 1x, 8270E LL PCP ONLY
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jan 06 13:21:25 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

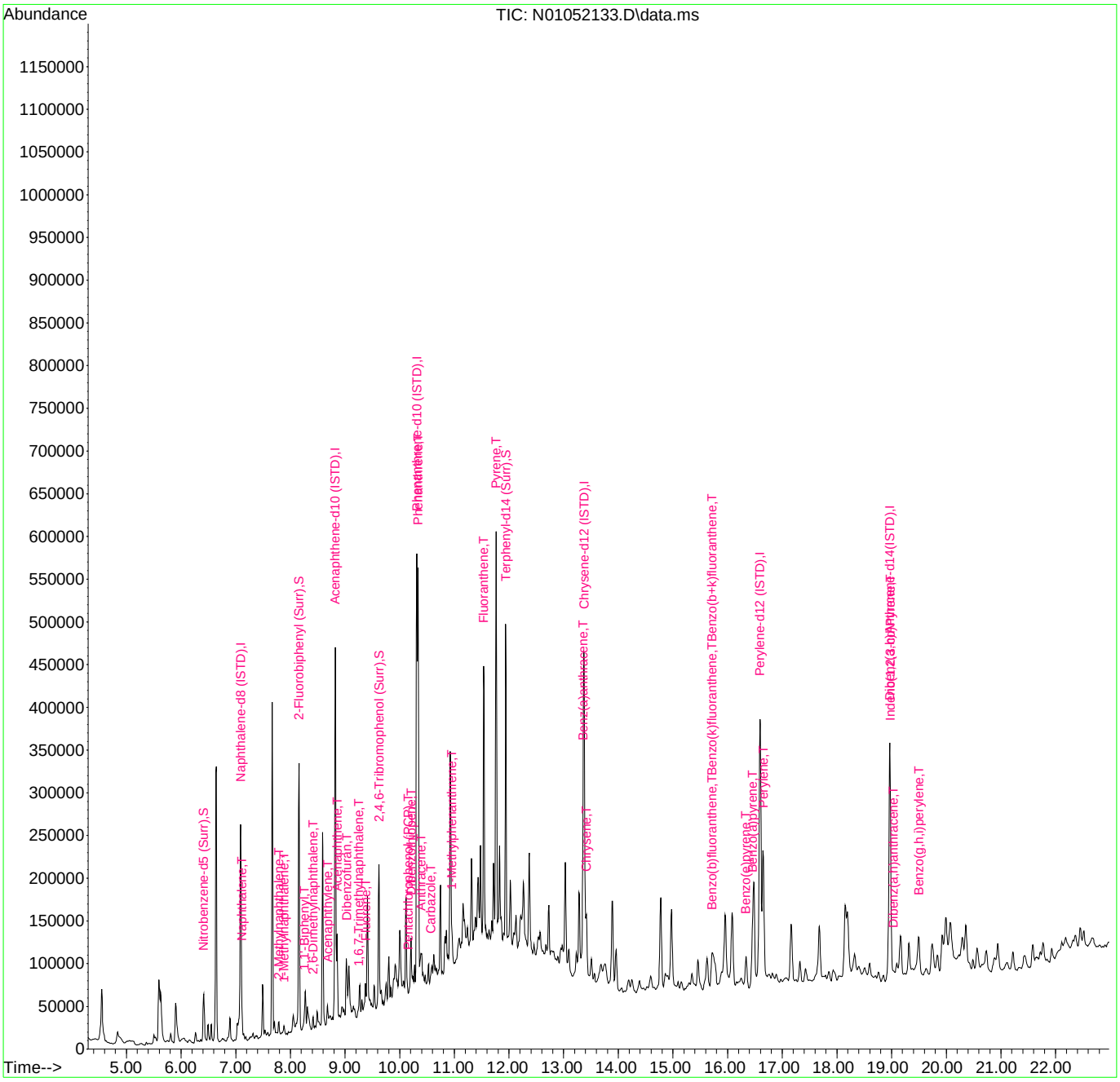
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	15.717	252	67540	23.53	ng/ml	87
34) Benzo(e)pyrene	16.335	252	33560	11.97	ng/ml	98
35) Benzo(a)pyrene	16.457	252	43674	21.36	ng/ml	99
36) Perylene	16.649	252	134603	44.34	ng/ml	100
38) Indeno(1,2,3-cd)Pyrene	18.975	276	31606	11.88	ng/ml	78
39) Dibenz(a,h)anthracene	19.033	278	3833	1.47	ng/ml	88
40) Benzo(g,h,i)perylene	19.500	276	41290	15.26	ng/ml	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052133.D
Acq On : 06 Jan 2021 06:33 am
Operator : JK/ AMS/ DTH
Sample : A0K0482-09
Misc : 1x, 8270E LL PCP ONLY
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jan 06 13:21:25 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052133.D
Acq On : 06 Jan 2021 06:33 am
Operator : JK/ AMS/ DTH
Sample : A0K0482-09
Misc : 1x, 8270E LL PCP ONLY
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jan 06 13:21:25 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.090	136	183822	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	8.821	162	130024	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.314	188	250582	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	13.374	240	252992	100.00	ng/ml	0.00
30) Perylene-d12 (ISTD)	16.591	264	278129	100.00	ng/ml	0.00
37) Dibenz(a,h)Anthrcene-d...	18.969	292	247192	100.00	ng/ml	0.01
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	6.414	82	32194	62.52	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.157	172	138191	74.33	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	9.620	330	37960	119.29	ng/ml	0.00
27) Terphenyl-d14 (Surr)	11.940	244	199580	82.05	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	0.000		0	N.D.		
4) Naphthalene	7.108	128	25653	13.53	ng/ml	96
5) 2-Methylnaphthalene	7.790	142	6846	4.99	ng/ml	96
6) 1-Methylnaphthalene	7.883	142	3474	2.53	ng/ml	98
7) 1,1'-Biphenyl	8.256	154	4994	2.86	ng/ml	97
8) 2,6-Dimethylnaphthalene	8.413	156	4562	3.57	ng/ml	99
11) Acenaphthylene	8.682	152	7644	3.51	ng/ml	89
12) Acenaphthene	8.856	153	39169	24.60	ng/ml	99
13) Dibenzofuran	9.031	168	2733	1.36	ng/ml#	58
14) 1,6,7-Trimethylnaphtha...	9.247	170	4681	3.24	ng/ml	89
15) Fluorene	9.375	166	10405	6.42	ng/ml	96
18) Pentachlorophenol (PCP)	10.156	266	385	12.04	ng/ml	85
19) Dibenzothiopene	10.209	184	35780	14.70	ng/ml	95
20) Phenanthrene	10.337	178	270827	99.86	ng/ml	99
21) Anthracene	10.389	178	15600	7.02	ng/ml	93
22) Carbazole	10.564	167	1330	0.81	ng/ml	44
23) 1-Methylphenanthrene	10.955	192	22392	11.48	ng/ml	97
24) Fluoranthene	11.538	202	196351	69.79	ng/ml	94
26) Pyrene	11.765	202	273279	80.67	ng/ml	99
28) Benz(a)anthracene	13.356	228	44231	17.49	ng/ml	78
29) Chrysene	13.414	228	52769	20.19	ng/ml	96
31) Benzo(b)fluoranthene	15.717	252	50387	17.87	ng/ml	89
32) Benzo(k)fluoranthene	15.717	252	62125	23.35	ng/ml	87

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052133.D
Acq On : 06 Jan 2021 06:33 am
Operator : JK/ AMS/ DTH
Sample : A0K0482-09
Misc : 1x, 8270E LL PCP ONLY
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jan 06 13:21:25 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

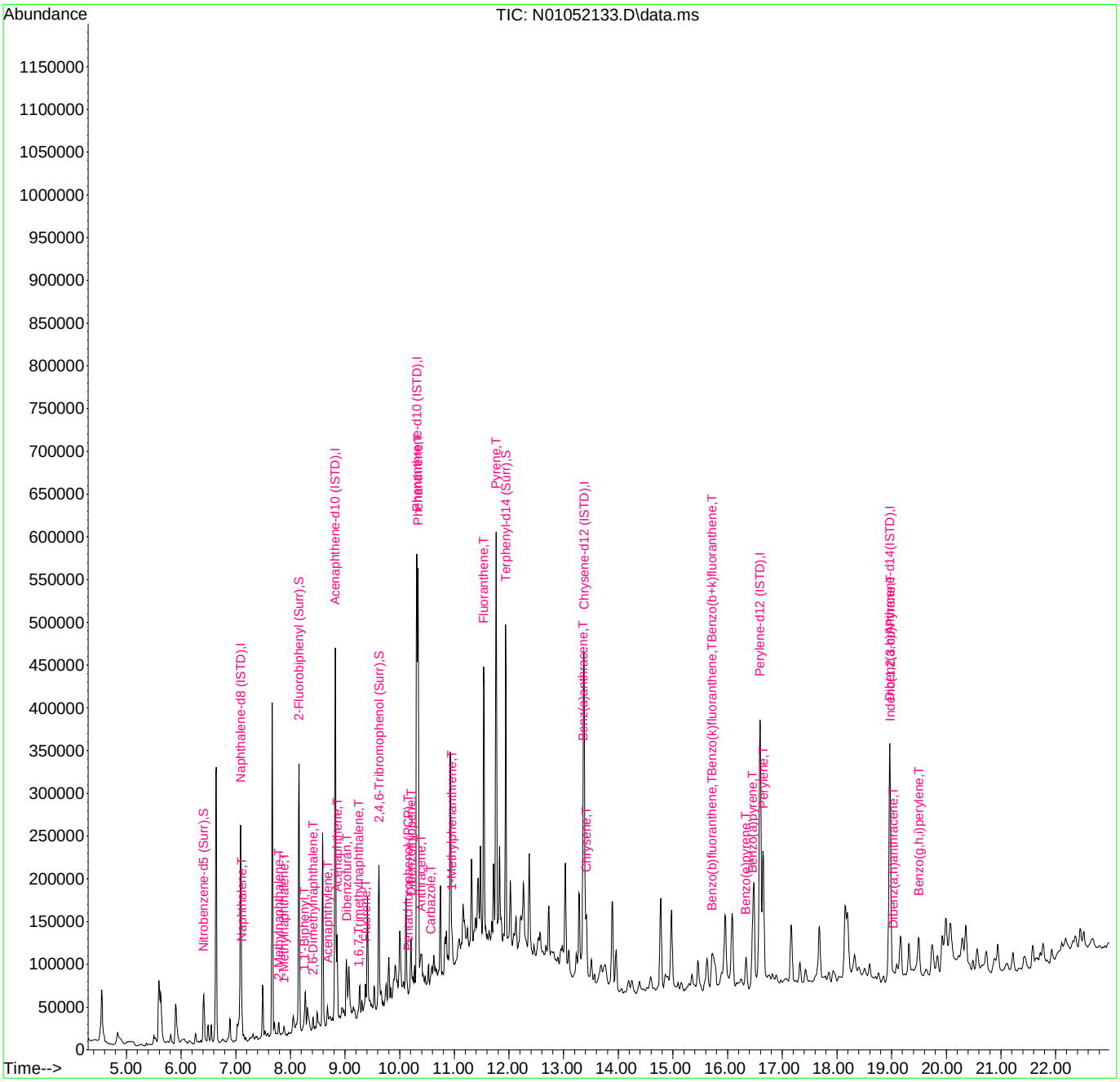
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	15.717	252	67540	23.53	ng/ml	87
34) Benzo(e)pyrene	16.335	252	33560	11.97	ng/ml	98
35) Benzo(a)pyrene	16.457	252	43674	21.36	ng/ml	99
36) Perylene	16.649	252	134603	44.34	ng/ml	100
38) Indeno(1,2,3-cd)Pyrene	18.975	276	31606	11.88	ng/ml	78
39) Dibenz(a,h)anthracene	19.033	278	3833	1.47	ng/ml	88
40) Benzo(g,h,i)perylene	19.500	276	41290	15.26	ng/ml	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052133.D
Acq On : 06 Jan 2021 06:33 am
Operator : JK/ AMS/ DTH
Sample : A0K0482-09
Misc : 1x, 8270E LL PCP ONLY
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jan 06 13:21:25 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

AMS 1/6/21

Data Path : U:\data\2021-01\1A05060\
Data File : N01052134.D
Acq On : 06 Jan 2021 07:05 am
Operator : JK/ AMS/ DTH
Sample : A0K0482-10
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jan 06 13:22:09 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.090	136	186408	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	8.821	162	129095	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.314	188	242124	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	13.374	240	237481	100.00	ng/ml	0.00
30) Perylene-d12 (ISTD)	16.591	264	250404	100.00	ng/ml	0.00
37) Dibenz(a,h)Anthrcene-d...	18.969	292	227702	100.00	ng/ml	0.01
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	6.414	82	35276	67.55	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.157	172	144605	78.34	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	9.626	330	35341	115.11	ng/ml	0.00
27) Terphenyl-d14 (Surr)	11.940	244	189743	83.10	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	0.000		0	N.D.		
4) Naphthalene	7.114	128	1906	0.99	ng/ml	91
5) 2-Methylnaphthalene	7.790	142	800	0.58	ng/ml	91
6) 1-Methylnaphthalene	7.883	142	498	N.D.		
7) 1,1'-Biphenyl	8.256	154	1185	0.67	ng/ml	92
8) 2,6-Dimethylnaphthalene	8.413	156	468	N.D.		
11) Acenaphthylene	8.682	152	660	N.D.		
12) Acenaphthene	8.856	153	384	N.D.		
13) Dibenzofuran	9.031	168	284	N.D.		
14) 1,6,7-Trimethylnaphtha...	9.247	170	126	N.D.		
15) Fluorene	9.375	166	447	N.D.		
18) Pentachlorophenol (PCP)	10.156	266	150	10.19	ng/ml	87
19) Dibenzothiopene	10.209	184	247	N.D.		
20) Phenanthrene	10.337	178	2006	0.77	ng/ml	93
21) Anthracene	10.389	178	517	N.D.		
22) Carbazole	10.564	167	233	N.D.		
23) 1-Methylphenanthrene	10.961	192	161	N.D.		
24) Fluoranthene	11.538	202	1326	0.49	ng/ml	86
26) Pyrene	11.765	202	1510	0.47	ng/ml	91
28) Benz(a)anthracene	13.362	228	1812	0.76	ng/ml	87
29) Chrysene	13.414	228	1733	0.71	ng/ml	93
31) Benzo(b)fluoranthene	15.717	252	2316	0.91	ng/ml	93
32) Benzo(k)fluoranthene	15.717	252	3124	1.30	ng/ml	92

Quantitation Report (QT Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052134.D
Acq On : 06 Jan 2021 07:05 am
Operator : JK/ AMS/ DTH
Sample : A0K0482-10
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jan 06 13:22:09 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

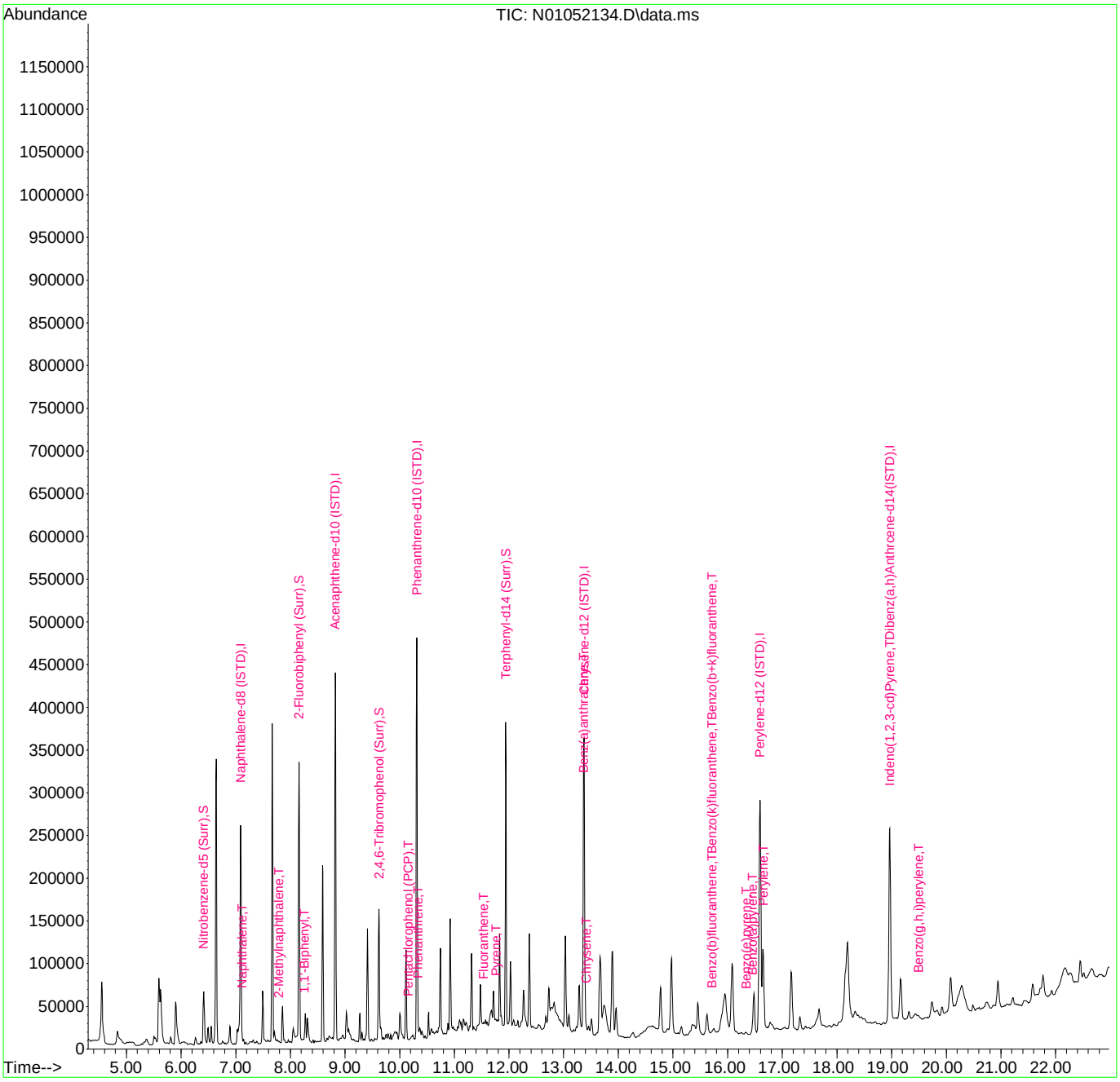
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	15.717	252	3213	1.24	ng/ml	92
34) Benzo(e)pyrene	16.340	252	1657	0.66	ng/ml	91
35) Benzo(a)pyrene	16.457	252	2299	1.25	ng/ml#	54
36) Perylene	16.649	252	84895	31.06	ng/ml	100
38) Indeno(1,2,3-cd)Pyrene	18.969	276	2209	0.90	ng/ml	92
39) Dibenz(a,h)anthracene	19.027	278	449	N.D.		
40) Benzo(g,h,i)perylene	19.494	276	2485	1.00	ng/ml	79

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052134.D
Acq On : 06 Jan 2021 07:05 am
Operator : JK/ AMS/ DTH
Sample : A0K0482-10
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jan 06 13:22:09 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052134.D
Acq On : 06 Jan 2021 07:05 am
Operator : JK/ AMS/ DTH
Sample : A0K0482-10
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jan 06 13:22:09 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.090	136	186408	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	8.821	162	129095	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.314	188	242124	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	13.374	240	237481	100.00	ng/ml	0.00
30) Perylene-d12 (ISTD)	16.591	264	250404	100.00	ng/ml	0.00
37) Dibenz(a,h)Anthrcene-d...	18.969	292	227702	100.00	ng/ml	0.01
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	6.414	82	35276	67.55	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.157	172	144605	78.34	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	9.626	330	35341	115.11	ng/ml	0.00
27) Terphenyl-d14 (Surr)	11.940	244	189743	83.10	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	0.000		0	N.D.		
4) Naphthalene	7.114	128	1906	0.99	ng/ml	91
5) 2-Methylnaphthalene	7.790	142	800	0.58	ng/ml	91
6) 1-Methylnaphthalene	7.883	142	498	N.D.		
7) 1,1'-Biphenyl	8.256	154	1185	0.67	ng/ml	92
8) 2,6-Dimethylnaphthalene	8.413	156	468	N.D.		
11) Acenaphthylene	8.682	152	660	N.D.		
12) Acenaphthene	8.856	153	384	N.D.		
13) Dibenzofuran	9.031	168	284	N.D.		
14) 1,6,7-Trimethylnaphtha...	9.247	170	126	N.D.		
15) Fluorene	9.375	166	447	N.D.		
18) Pentachlorophenol (PCP)	10.156	266	150	10.19	ng/ml	87
19) Dibenzothiopene	10.209	184	247	N.D.		
20) Phenanthrene	10.337	178	2006	0.77	ng/ml	93
21) Anthracene	10.389	178	517	N.D.		
22) Carbazole	10.564	167	233	N.D.		
23) 1-Methylphenanthrene	10.961	192	161	N.D.		
24) Fluoranthene	11.538	202	1326	0.49	ng/ml	86
26) Pyrene	11.765	202	1510	0.47	ng/ml	91
28) Benz(a)anthracene	13.362	228	1812	0.76	ng/ml	87
29) Chrysene	13.414	228	1733	0.71	ng/ml	93
31) Benzo(b)fluoranthene	15.717	252	2316	0.91	ng/ml	93
32) Benzo(k)fluoranthene	15.717	252	3124	1.30	ng/ml	92

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052134.D
Acq On : 06 Jan 2021 07:05 am
Operator : JK/ AMS/ DTH
Sample : A0K0482-10
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jan 06 13:22:09 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

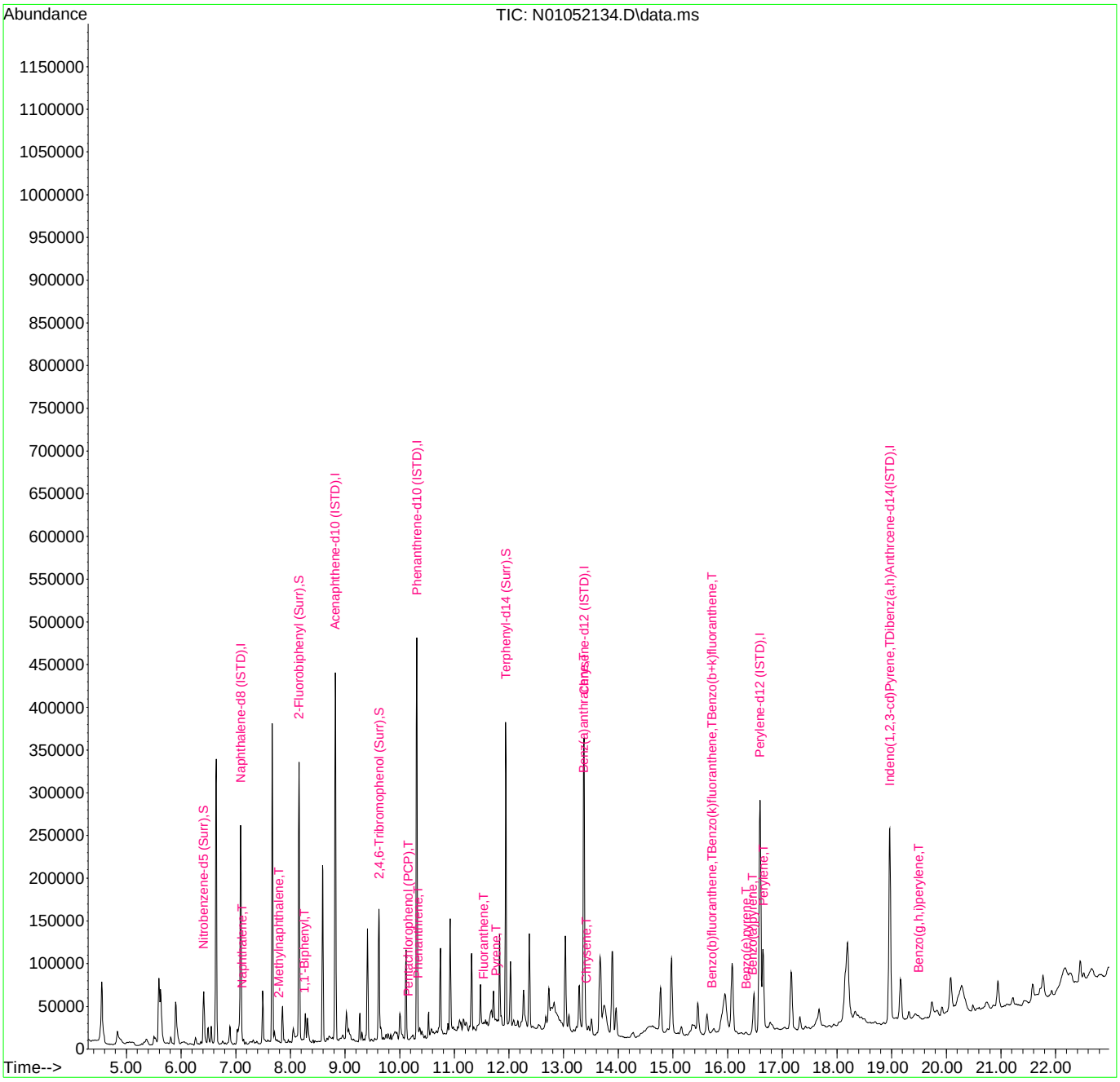
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	15.717	252	3213	1.24	ng/ml	92
34) Benzo(e)pyrene	16.340	252	1657	0.66	ng/ml	91
35) Benzo(a)pyrene	16.457	252	2299	1.25	ng/ml#	54
36) Perylene	16.649	252	84895	31.06	ng/ml	100
38) Indeno(1,2,3-cd)Pyrene	18.969	276	2209	0.90	ng/ml	92
39) Dibenz(a,h)anthracene	19.027	278	449	N.D.		
40) Benzo(g,h,i)perylene	19.494	276	2485	1.00	ng/ml	79

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052134.D
Acq On : 06 Jan 2021 07:05 am
Operator : JK/ AMS/ DTH
Sample : A0K0482-10
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jan 06 13:22:09 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

AMS 1/6/21

R04

Data Path : U:\data\2021-01\1A05060\
Data File : N01052135.D
Acq On : 06 Jan 2021 07:37 am
Operator : JK/ AMS/ DTH
Sample : A0K0482-07@4
Misc : 4x, 8270E LL PCP ONLY
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jan 06 13:22:46 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.090	136	166625	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	8.827	162	120401	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.314	188	225051	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	13.380	240	217637	100.00	ng/ml	0.01
30) Perylene-d12 (ISTD)	16.609	264	226046	100.00	ng/ml	0.02
37) Dibenz(a,h)Anthrcene-d...	18.987	292	192602	100.00	ng/ml	0.03
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	6.414	82	6074	13.01	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.157	172	24903	14.47	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	9.626	330	8427	31.51	ng/ml	0.00
27) Terphenyl-d14 (Surr)	11.946	244	41591	19.88	ng/ml	0.01
Target Compounds						Qvalue
3) Decalin	6.548	138	322	3.26	ng/ml#	49
4) Naphthalene	7.108	128	75016	43.66	ng/ml	98
5) 2-Methylnaphthalene	7.790	142	13548	10.90	ng/ml	97
6) 1-Methylnaphthalene	7.883	142	5661	4.55	ng/ml	96
7) 1,1'-Biphenyl	8.256	154	7792	4.93	ng/ml	92
8) 2,6-Dimethylnaphthalene	8.414	156	8573	7.40	ng/ml	97
11) Acenaphthylene	8.682	152	41801	20.71	ng/ml	97
12) Acenaphthene	8.857	153	28806	19.53	ng/ml	98
13) Dibenzofuran	9.031	168	9541	5.15	ng/ml	90
14) 1,6,7-Trimethylnaphtha...	9.247	170	4521	3.38	ng/ml	90
15) Fluorene	9.375	166	18059	12.03	ng/ml	97
18) Pentachlorophenol (PCP)	10.156	266	460	13.06	ng/ml	90
19) Dibenzothiopene	10.209	184	19715	9.02	ng/ml	91
20) Phenanthrene	10.337	178	200732	82.41	ng/ml	99
21) Anthracene	10.390	178	41479	20.79	ng/ml	94
22) Carbazole	10.570	167	6128	4.13	ng/ml	67
23) 1-Methylphenanthrene	10.961	192	14525	8.29	ng/ml	94
24) Fluoranthene	11.544	202	395124	156.38	ng/ml	94
26) Pyrene	11.771	202	508067	174.34	ng/ml	99
28) Benz(a)anthracene	13.362	228	234868	107.95	ng/ml#	53
29) Chrysene	13.426	228	317450	141.20	ng/ml	97
31) Benzo(b)fluoranthene	15.734	252	402617	175.66	ng/ml	89
32) Benzo(k)fluoranthene	15.734	252	516095	238.67	ng/ml	87

Data Path : U:\data\2021-01\1A05060\
Data File : N01052135.D
Acq On : 06 Jan 2021 07:37 am
Operator : JK/ AMS/ DTH
Sample : A0K0482-07@4
Misc : 4x, 8270E LL PCP ONLY
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jan 06 13:22:46 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

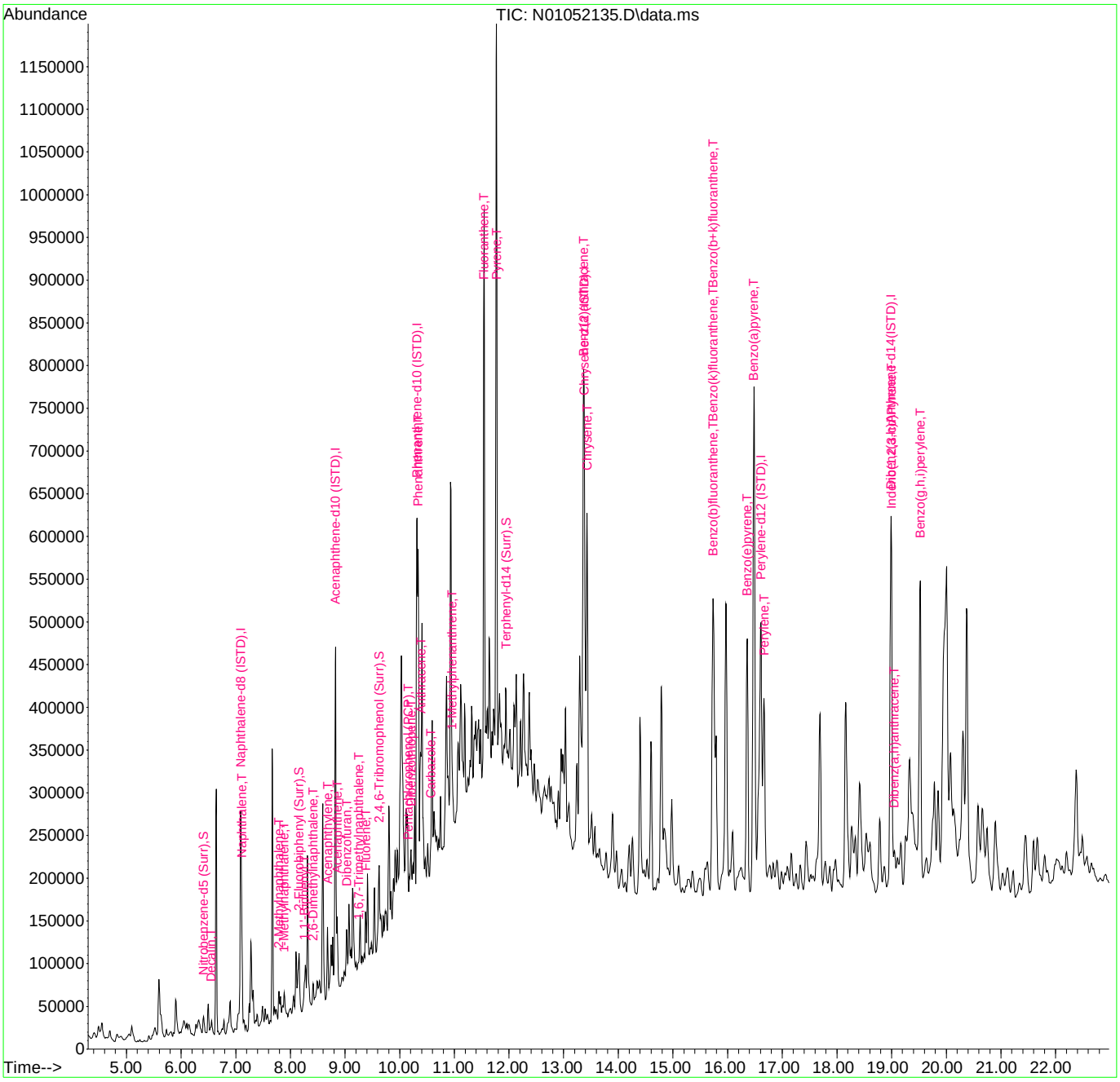
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	15.734	252	563097	241.39	ng/ml	87
34) Benzo(e)pyrene	16.358	252	263418	115.56	ng/ml	98
35) Benzo(a)pyrene	16.475	252	377803	227.34	ng/ml	97
36) Perylene	16.667	252	188119	76.24	ng/ml	99
38) Indeno(1,2,3-cd)Pyrene	18.998	276	274589	132.47	ng/ml	72
39) Dibenz(a,h)anthracene	19.045	278	32751	16.07	ng/ml	89
40) Benzo(g,h,i)perylene	19.523	276	332214	157.63	ng/ml	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052135.D
Acq On : 06 Jan 2021 07:37 am
Operator : JK/ AMS/ DTH
Sample : A0K0482-07@4
Misc : 4x, 8270E LL PCP ONLY
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jan 06 13:22:46 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052135.D
Acq On : 06 Jan 2021 07:37 am
Operator : JK/ AMS/ DTH
Sample : A0K0482-07@4
Misc : 4x, 8270E LL PCP ONLY
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jan 06 13:22:46 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.090	136	166625	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	8.827	162	120401	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.314	188	225051	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	13.380	240	217637	100.00	ng/ml	0.01
30) Perylene-d12 (ISTD)	16.609	264	226046	100.00	ng/ml	0.02
37) Dibenz(a,h)Anthrcene-d...	18.987	292	192602	100.00	ng/ml	0.03
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	6.414	82	6074	13.01	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.157	172	24903	14.47	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	9.626	330	8427	31.51	ng/ml	0.00
27) Terphenyl-d14 (Surr)	11.946	244	41591	19.88	ng/ml	0.01
Target Compounds						Qvalue
3) Decalin	6.548	138	322	3.26	ng/ml#	49
4) Naphthalene	7.108	128	75016	43.66	ng/ml	98
5) 2-Methylnaphthalene	7.790	142	13548	10.90	ng/ml	97
6) 1-Methylnaphthalene	7.883	142	5661	4.55	ng/ml	96
7) 1,1'-Biphenyl	8.256	154	7792	4.93	ng/ml	92
8) 2,6-Dimethylnaphthalene	8.414	156	8573	7.40	ng/ml	97
11) Acenaphthylene	8.682	152	41801	20.71	ng/ml	97
12) Acenaphthene	8.857	153	28806	19.53	ng/ml	98
13) Dibenzofuran	9.031	168	9541	5.15	ng/ml	90
14) 1,6,7-Trimethylnaphtha...	9.247	170	4521	3.38	ng/ml	90
15) Fluorene	9.375	166	18059	12.03	ng/ml	97
18) Pentachlorophenol (PCP)	10.156	266	460	13.06	ng/ml	90
19) Dibenzothiopene	10.209	184	19715	9.02	ng/ml	91
20) Phenanthrene	10.337	178	200732	82.41	ng/ml	99
21) Anthracene	10.390	178	41479	20.79	ng/ml	94
22) Carbazole	10.570	167	6128	4.13	ng/ml	67
23) 1-Methylphenanthrene	10.961	192	14525	8.29	ng/ml	94
24) Fluoranthene	11.544	202	395124	156.38	ng/ml	94
26) Pyrene	11.771	202	508067	174.34	ng/ml	99
28) Benz(a)anthracene	13.362	228	234868	107.95	ng/ml#	53
29) Chrysene	13.426	228	317450	141.20	ng/ml	97
31) Benzo(b)fluoranthene	15.734	252	402617	175.66	ng/ml	89
32) Benzo(k)fluoranthene	15.734	252	516095	238.67	ng/ml	87

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052135.D
Acq On : 06 Jan 2021 07:37 am
Operator : JK/ AMS/ DTH
Sample : A0K0482-07@4
Misc : 4x, 8270E LL PCP ONLY
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jan 06 13:22:46 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

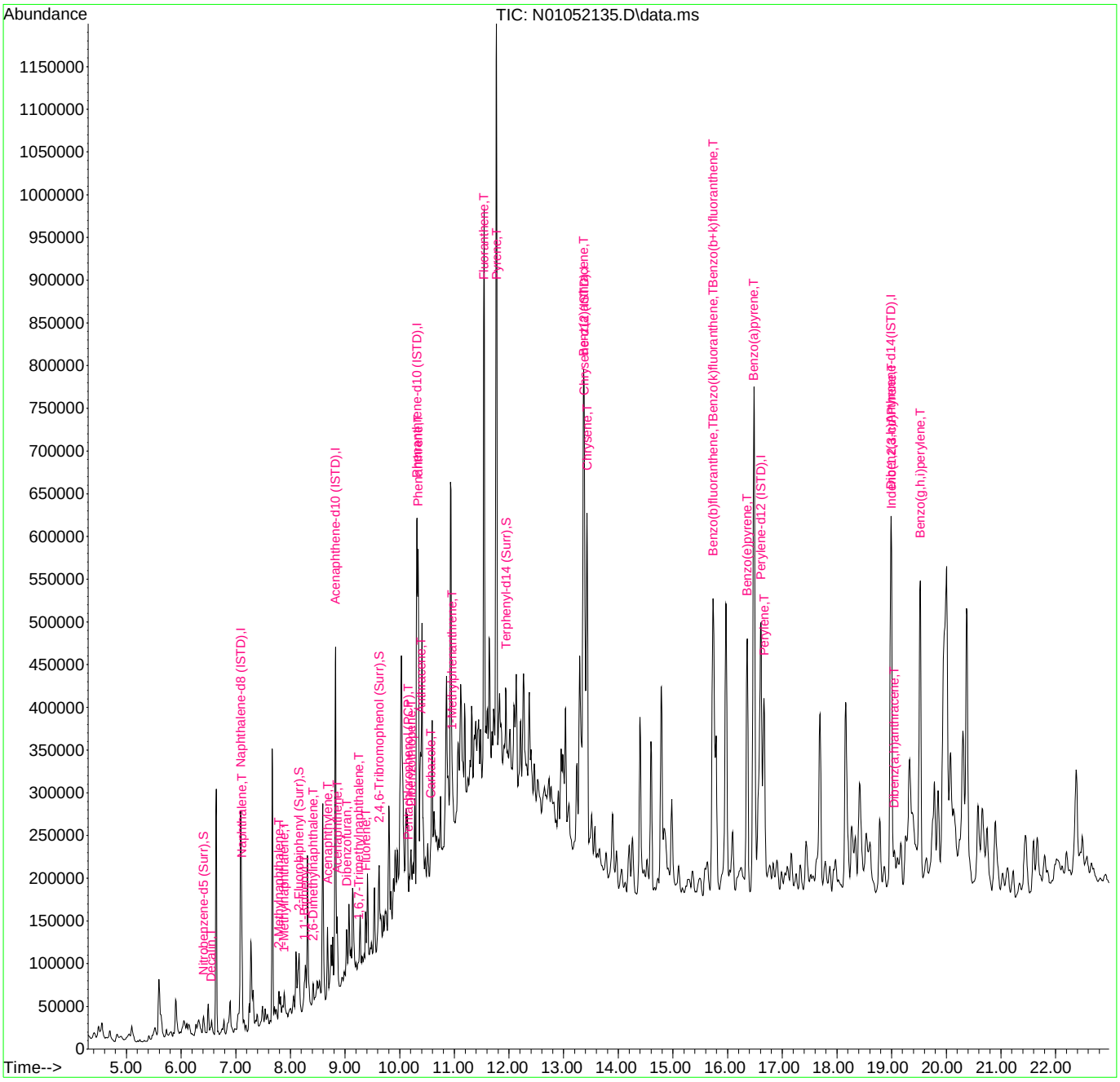
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	15.734	252	563097	241.39	ng/ml	87
34) Benzo(e)pyrene	16.358	252	263418	115.56	ng/ml	98
35) Benzo(a)pyrene	16.475	252	377803	227.34	ng/ml	97
36) Perylene	16.667	252	188119	76.24	ng/ml	99
38) Indeno(1,2,3-cd)Pyrene	18.998	276	274589	132.47	ng/ml	72
39) Dibenz(a,h)anthracene	19.045	278	32751	16.07	ng/ml	89
40) Benzo(g,h,i)perylene	19.523	276	332214	157.63	ng/ml	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A05060\
Data File : N01052135.D
Acq On : 06 Jan 2021 07:37 am
Operator : JK/ AMS/ DTH
Sample : A0K0482-07@4
Misc : 4x, 8270E LL PCP ONLY
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jan 06 13:22:46 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



Semivolatile Organic Compounds by EPA 8270E
Benchsheet & Analysis Sequence Data

Sequence 1A06048 (A0K0482-02,04,05,11,12,13,14,14RE1,15,16,17,18,19)

ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence:	1A06048	Instrument:	SV-GCMS14
Date:	**01/06/21 11:02**	Calibration:	**A0H1005**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	1A06048-TUN1	Sediment	QC	QC			A20J202	A20L286
2	1A06048-TUN2	Sediment	QC	QC			A20J202	A20L286
3	1A06048-IBL1	Sediment	QC	QC			A20J202	
4	1A06048-CCV1	Sediment	QC	QC			A20J202	A20J299
5	1A06048-CCB1	Sediment	QC	QC			A20J202	
6	A0K0482-15	Sediment	8270E LL PAH/PCP Only (Scan)	Anchor QEA, LLC	01/14/21	1012490	A20J202	
7	A0K0482-16	Sediment	8270E LL PAH/PCP Only (Scan)	Anchor QEA, LLC	01/14/21	1012490	A20J202	
8	A0K0482-17	Sediment	8270E LL PAH/PCP Only (Scan)	Anchor QEA, LLC	01/14/21	1012490	A20J202	
9	A0K0482-18	Sediment	8270E LL PAH/PCP Only (Scan)	Anchor QEA, LLC	01/14/21	1012490	A20J202	
10	A0K0482-19	Sediment	8270E LL PAH/PCP Only (Scan)	Anchor QEA, LLC	01/14/21	1012490	A20J202	
11	A0K0482-02	Sediment	8270E LL PAH/PCP Only (Scan)	Anchor QEA, LLC	01/14/21	1012490	A20J202	
12	A0K0482-04	Sediment	8270E LL PAH/PCP Only (Scan)	Anchor QEA, LLC	01/14/21	1012490	A20J202	
13	A0K0482-05	Sediment	8270E LL PAH/PCP Only (Scan)	Anchor QEA, LLC	01/14/21	1012490	A20J202	
14	A0K0482-11	Sediment	8270E LL PAH/PCP Only (Scan)	Anchor QEA, LLC	01/14/21	1012490	A20J202	
15	A0K0482-12	Sediment	8270E LL PAH/PCP Only (Scan)	Anchor QEA, LLC	01/14/21	1012490	A20J202	
16	A0K0482-13	Sediment	8270E LL PAH/PCP Only (Scan)	Anchor QEA, LLC	01/14/21	1012490	A20J202	
17	A0K0482-14	Sediment	8270E LL PAH/PCP Only (Scan)	Anchor QEA, LLC	01/14/21	1012490	A20J202	
18	1A06048-IBL2	Sediment	QC	QC			A20J202	
19	A0K0482-14RE1	Sediment	8270E LL PAH/PCP Only (Scan)	Anchor QEA, LLC	01/14/21	1012490	A20J202	
20	1A06048-IBL3	Sediment	QC	QC			A20J202	

Comments:

Data Entered By/Date: AMS 1/7/21

Data Reviewed By/Date: JK 1/7/21

1/7/2021 11:55:06AM

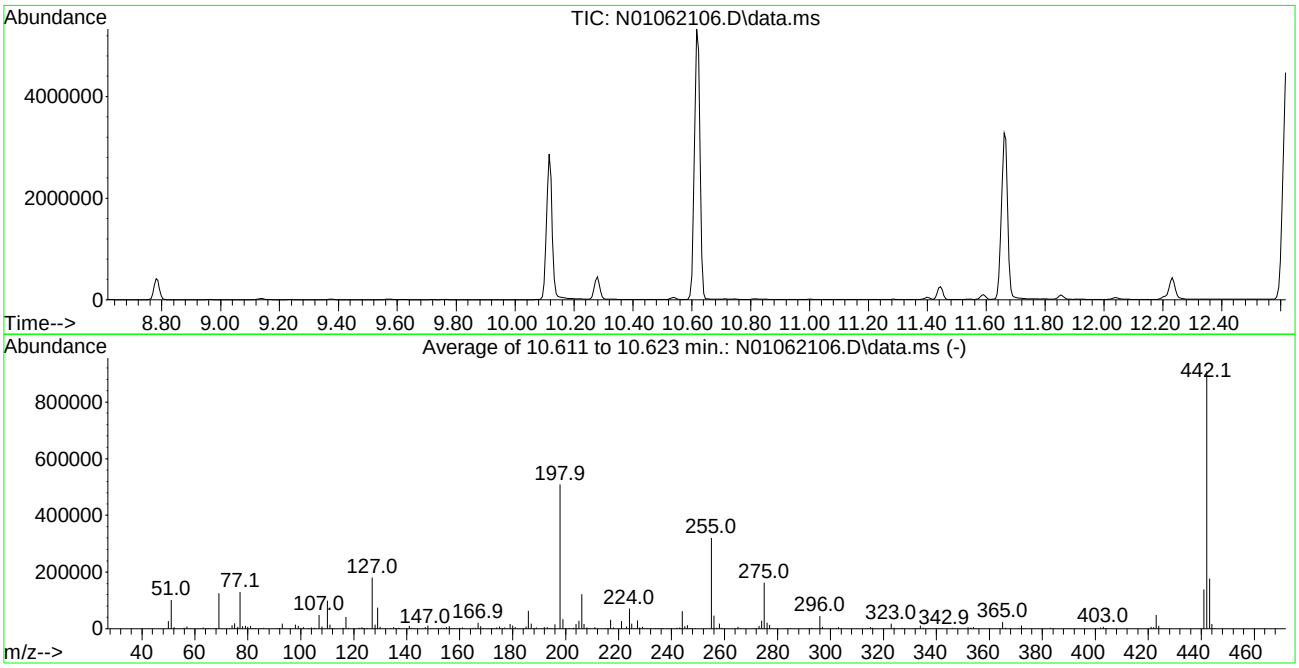
AMS 1/6/21

T01

Data Path : U:\data\2021-01\1A06048\
Data File : N01062106.D
Acq On : 06 Jan 2021 11:10 am
Operator : JK/ AMS/ DTH
Sample : 1A06048-TUN1
Misc : 1x, A20L286 DFTPP@22.5
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : U:\methods\DFTPP.M
Title : 8270 DFTPP Tune Method
Last Update : Wed Jan 06 14:59:01 2021



AutoFind: Scans 1084, 1085, 1086; Background Corrected with Scan 1079

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	2.0	2539	FAIL*
69	69	100	100	100.0	124295	PASS
70	69	0.00	2	0.5	624	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	509197	PASS
199	198	5	9	6.7	34115	PASS
365	198	1	100	4.7	23917	PASS
441	443	0.01	150	78.5	138595	PASS
442	198	0.10	200	178.5	909120	PASS
443	442	15	24	19.4	176541	PASS

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062106.D
Acq On : 06 Jan 2021 11:10 am
Operator : JK/ AMS/ DTH
Sample : 1A06048-TUN1
Misc : 1x, A20L286 DFTPP@22.5
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 06 14:59:45 2021
Quant Method : U:\methods\DFTPP.M
Quant Title : 8270 DFTPP Tune Method
QLast Update : Wed Jan 06 14:59:01 2021
Response via : Initial Calibration

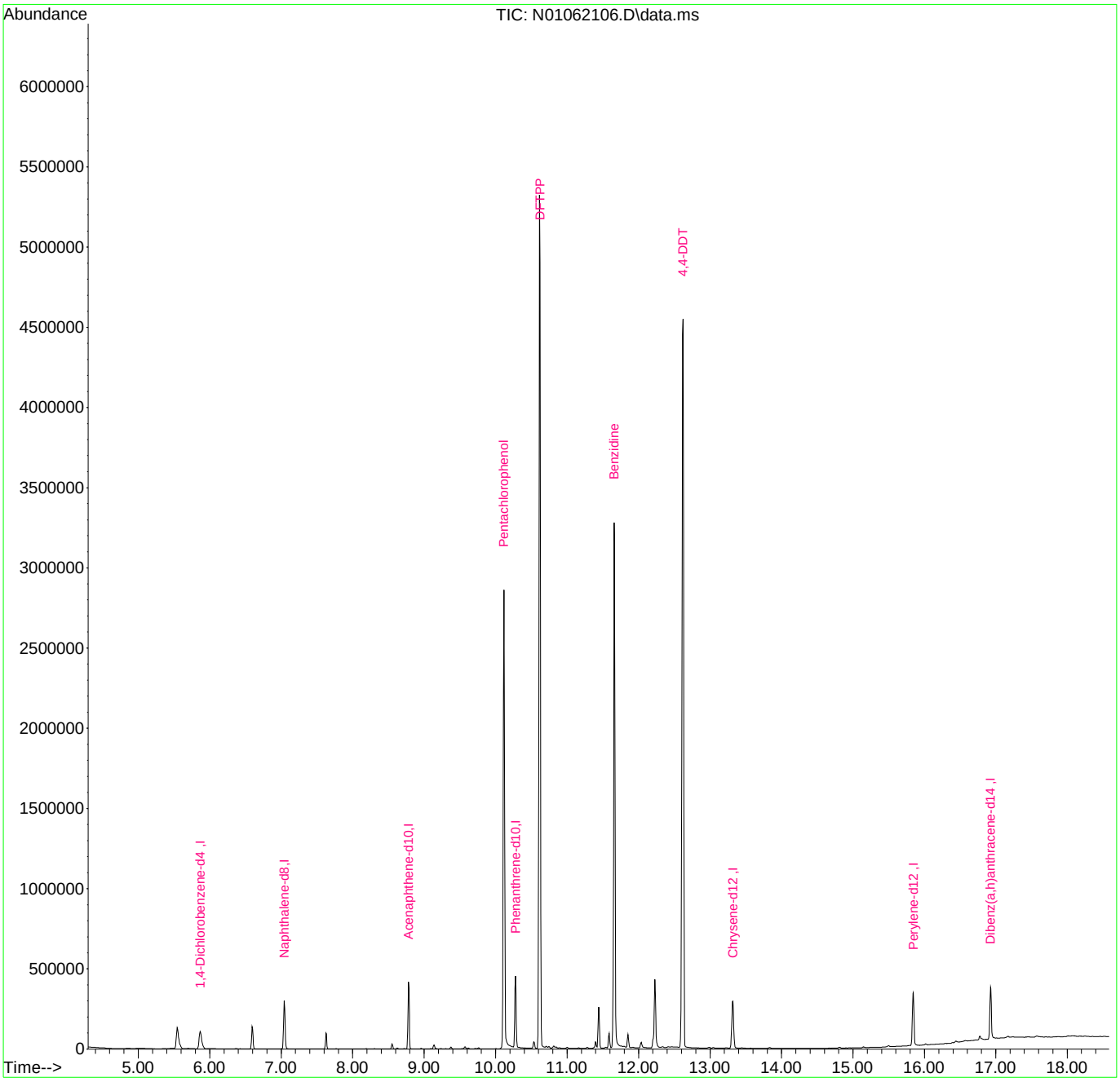
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	5.866	150	84375	2.00	ug/mL		0.00
2) Naphthalene-d8	7.044	136	212149	2.00	ug/mL		0.00
3) Acenaphthene-d10	8.781	162	122934	2.00	ug/mL		0.00
5) Phenanthrene-d10	10.279	188	231895	2.00	ug/mL		0.00
11) Chrysene-d12	13.321	240	199536	2.00	ug/mL		0.00
12) Perylene-d12	15.845	264	205046	2.00	ug/mL		0.00
13) Dibenz(a,h)anthracene-...	16.923	292	215509	2.00	ug/mL	#	0.00
Target Compounds							Qvalue
4) Pentachlorophenol	10.116	266	590732	50.89	ug/mL		75
6) DFTPP	10.623	442	1414812	75.57	ug/mL	#	54
7) Benzidine	11.660	184	2129927	25.82	ug/mL		96
8) 4,4-DDE	11.852	TIC	104787	No Calib			
9) 4,4-DDD	12.231	TIC	680651	No Calib			
10) 4,4-DDT	12.622	TIC	7086967	29.80	ug/mL		92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062106.D
Acq On : 06 Jan 2021 11:10 am
Operator : JK/ AMS/ DTH
Sample : 1A06048-TUN1
Misc : 1x, A20L286 DFTPP@22.5
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 06 14:59:45 2021
Quant Method : U:\methods\DFTPP.M
Quant Title : 8270 DFTPP Tune Method
QLast Update : Wed Jan 06 14:59:01 2021
Response via : Initial Calibration

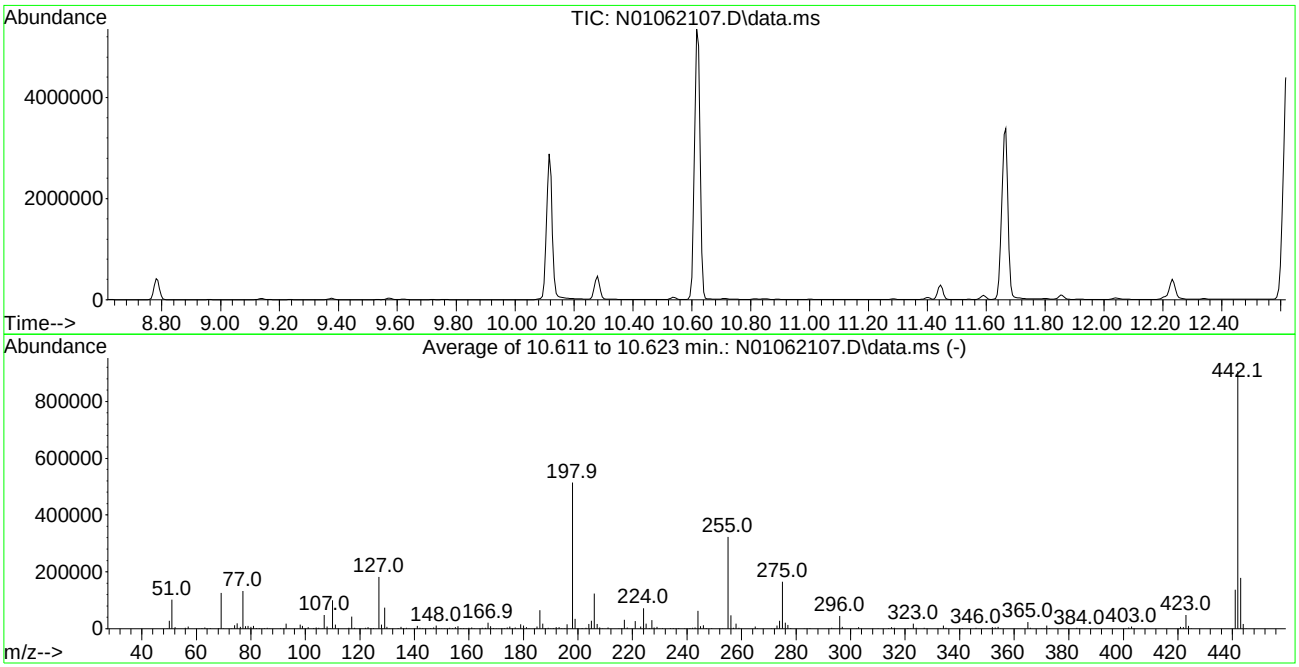


AMS 1/6/21

Data Path : U:\data\2021-01\1A06048\
Data File : N01062107.D
Acq On : 06 Jan 2021 11:39 am
Operator : JK/ AMS/ DTH
Sample : 1A06048-TUN2
Misc : 1x, A20L286 DFTPP@22.5
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : U:\methods\DFTPP.M
Title : 8270 DFTPP Tune Method
Last Update : Wed Jan 06 14:59:01 2021



AutoFind: Scans 1084, 1085, 1086; Background Corrected with Scan 1079

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	2.0	2527	FAIL*
69	69	100	100	100.0	125849	PASS
70	69	0.00	2	0.5	689	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	513495	PASS
199	198	5	9	6.8	34680	PASS
365	198	1	100	4.6	23677	PASS
441	443	0.01	150	77.4	137949	PASS
442	198	0.10	200	176.6	906859	PASS
443	442	15	24	19.6	178157	PASS

Passing tune criteria not required for method 8270

Only required at calibration

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062107.D
Acq On : 06 Jan 2021 11:39 am
Operator : JK/ AMS/ DTH
Sample : 1A06048-TUN2
Misc : 1x, A20L286 DFTPP@22.5
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 06 15:00:28 2021
Quant Method : U:\methods\DFTPP.M
Quant Title : 8270 DFTPP Tune Method
QLast Update : Wed Jan 06 14:59:01 2021
Response via : Initial Calibration

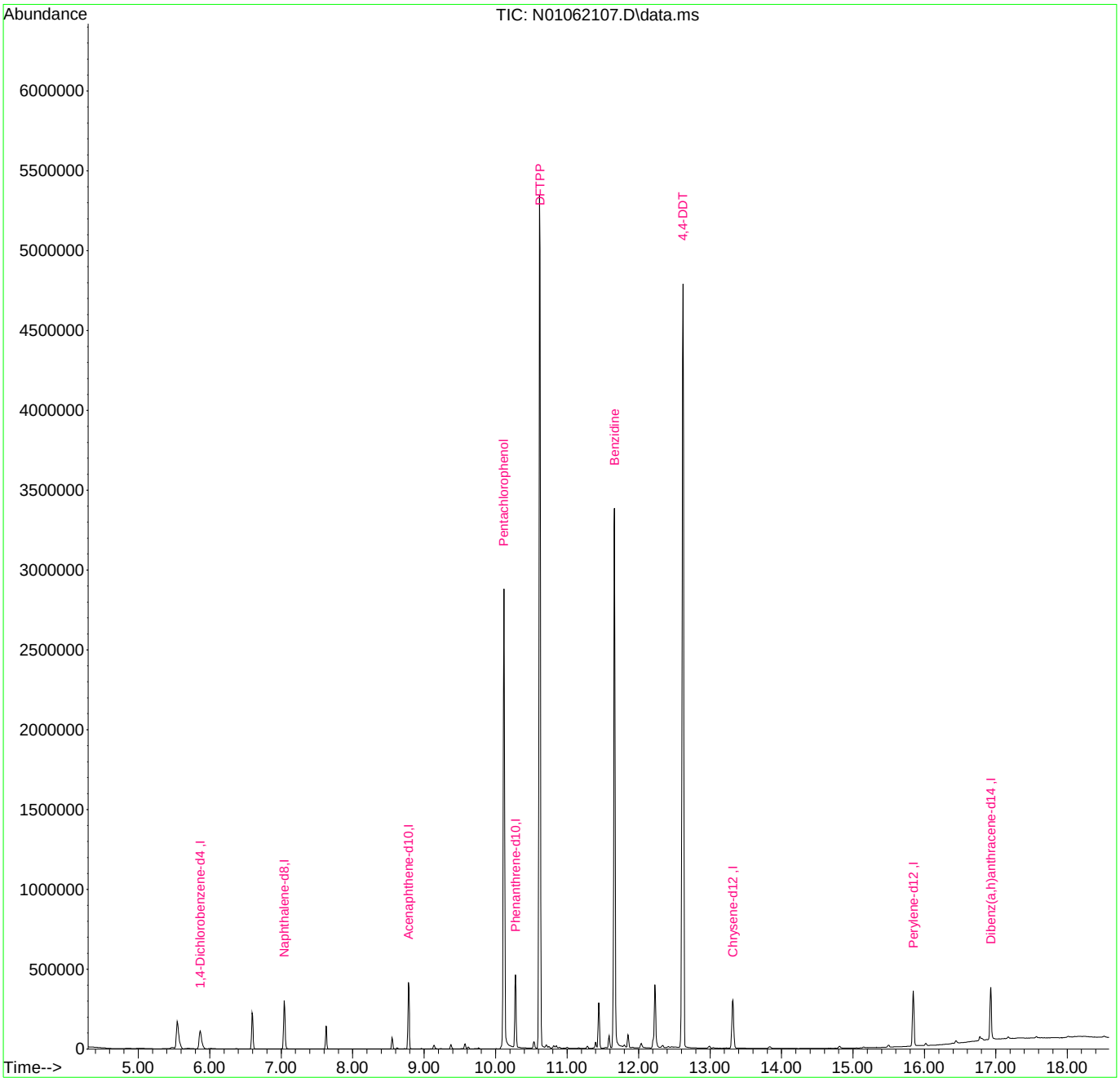
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.867	150	84070	2.00	ug/mL	0.00
2) Naphthalene-d8	7.044	136	213924	2.00	ug/mL	0.00
3) Acenaphthene-d10	8.781	162	123216	2.00	ug/mL	0.00
5) Phenanthrene-d10	10.279	188	237302	2.00	ug/mL	0.00
11) Chrysene-d12	13.321	240	203306	2.00	ug/mL	0.00
12) Perylene-d12	15.845	264	213696	2.00	ug/mL	0.00
13) Dibenz(a,h)anthracene-...	16.929	292	219739	2.00	ug/mL	# 0.00
Target Compounds						Qvalue
4) Pentachlorophenol	10.116	266	618845	53.19	ug/mL	75
6) DFTPP	10.623	442	1427962	74.54	ug/mL#	54
7) Benzidine	11.666	184	2225272	26.36	ug/mL	95
8) 4,4-DDE	11.853	TIC	108578	No Calib		
9) 4,4-DDD	12.231	TIC	635405	No Calib		
10) 4,4-DDT	12.622	TIC	7348701	30.20	ug/mL	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062107.D
Acq On : 06 Jan 2021 11:39 am
Operator : JK/ AMS/ DTH
Sample : 1A06048-TUN2
Misc : 1x, A20L286 DFTPP@22.5
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 06 15:00:28 2021
Quant Method : U:\methods\DFTPP.M
Quant Title : 8270 DFTPP Tune Method
QLast Update : Wed Jan 06 14:59:01 2021
Response via : Initial Calibration



DDT Breakdown Check (Validated 5/1/2013)

From:
1A06048-TUN2
SV-GCMS 14

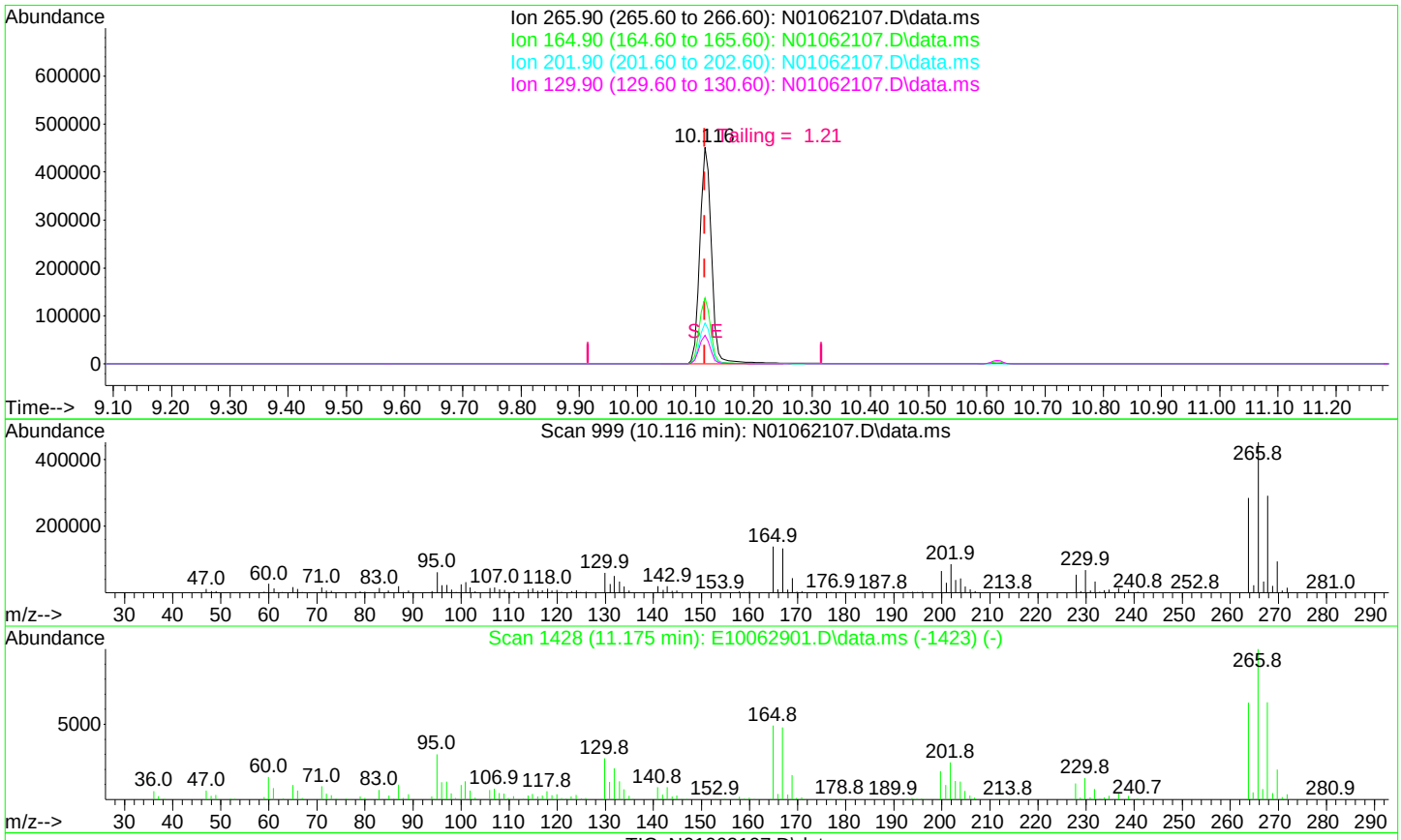
First Column	Area Counts	Percent Breakdown	
DDE	108578		
DDD	635405		
DDT	7348701	**9.19**	**PASS**

Breakdown must be less than 20% to accept sample data.

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062107.D
Acq On : 06 Jan 2021 11:39 am
Operator : JK/ AMS/ DTH
Sample : 1A06048-TUN2
Misc : 1x, A20L286 DFTPP@22.5
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 06 15:00:28 2021
Quant Method : U:\methods\DFTPP.M
Quant Title : 8270 DFTPP Tune Method
QLast Update : Wed Jan 06 14:59:01 2021
Response via : Initial Calibration



TIC: N01062107.D\data.ms

(4) Pentachlorophenol

10.116min (+ 0.000) 53.19 ug/mL

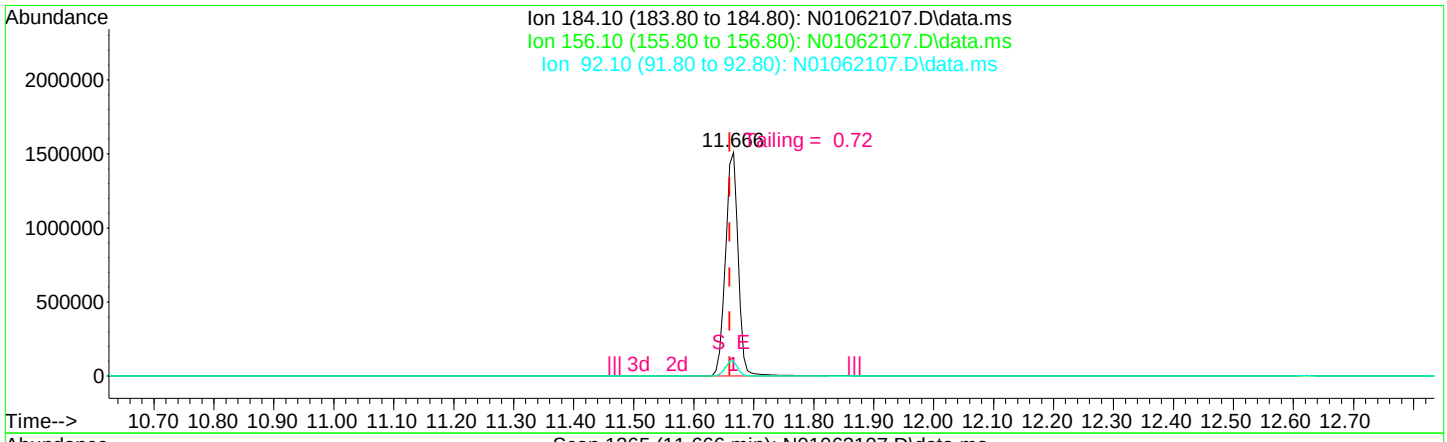
response 618845

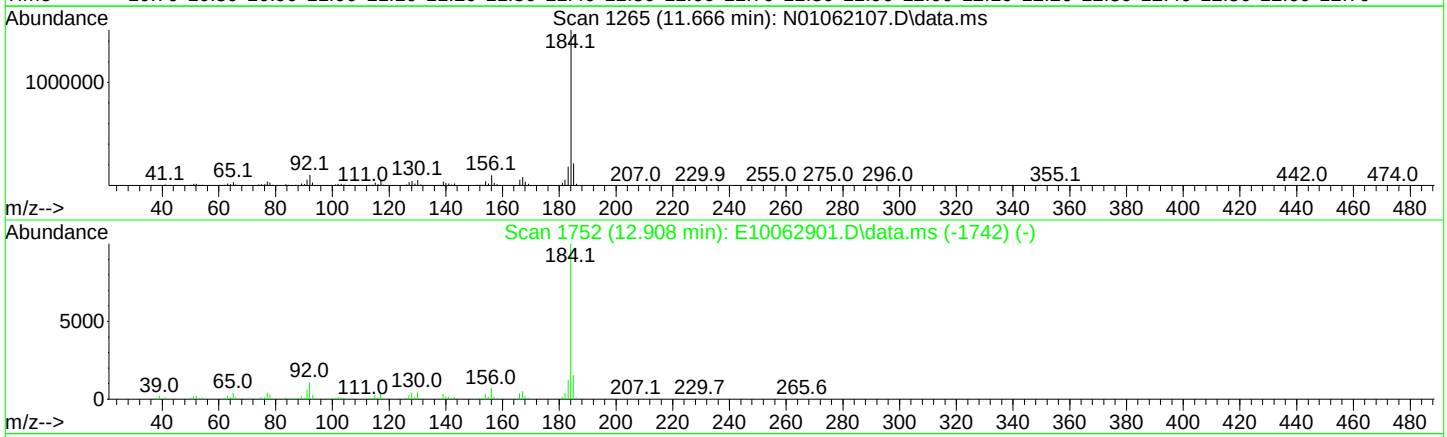
Ion	Exp%	Act%
265.90	100.00	100.00
164.90	50.60	30.58
201.90	25.80	19.04
129.90	27.30	13.19

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062107.D
Acq On : 06 Jan 2021 11:39 am
Operator : JK/ AMS/ DTH
Sample : 1A06048-TUN2
Misc : 1x, A20L286 DFTPP@22.5
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 06 15:00:28 2021
Quant Method : U:\methods\DFTPP.M
Quant Title : 8270 DFTPP Tune Method
QLast Update : Wed Jan 06 14:59:01 2021
Response via : Initial Calibration





TIC: N01062107.D\data.ms

(7) Benzidine

11.666min (+ 0.006) 26.36 ug/mL

response 2225272

Ion	Exp%	Act%
184.10	100.00	100.00
156.10	8.50	6.60
92.10	8.20	6.64
0.00	0.00	0.00

Evaluate Continuing Calibration Report

AMS 1/6/21

Data Path : U:\data\2021-01\1A06048\
Data File : N01062109.D
Acq On : 06 Jan 2021 12:38 pm
Operator : JK/ AMS/ DTH
Sample : 1A06048-CCV1
Misc : 1x, A20J299@100
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 06 15:02:59 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Naphthalene-d8 (ISTD)	100.000	100.000	0.0	83	0.00
2	S	Nitrobenzene-d5 (Surr)	100.000	98.290	1.7	81	0.00
3	T	Decalin	100.000	101.271	-1.3	81	0.00
4	T	Naphthalene	100.000	94.261	5.7	80	0.00
5	T	2-Methylnaphthalene	100.000	103.280	-3.3	82	0.00
6	T	1-Methylnaphthalene	100.000	97.619	2.4	79	0.00
7	T	1,1'-Biphenyl	100.000	99.534	0.5	79	0.00
8	T	2,6-Dimethylnaphthalene	100.000	100.127	-0.1	78	0.00
9	I	Acenaphthene-d10 (ISTD)	100.000	100.000	0.0	78	0.00
10	S	2-Fluorobiphenyl (Surr)	100.000	103.576	-3.6	78	0.00
11	T	Acenaphthylene	100.000	105.199	-5.2	76	0.00
12	T	Acenaphthene	100.000	100.041	-0.0	78	0.00
13	T	Dibenzofuran	100.000	107.617	-7.6	79	0.00
14	T	1,6,7-Trimethylnaphthalene	100.000	98.029	2.0	74	0.00
15	T	Fluorene	100.000	103.401	-3.4	74	0.00
16	I	Phenanthrene-d10 (ISTD)	100.000	100.000	0.0	75	0.00
17	S	2,4,6-Tribromophenol (Surr)	100.000	122.656	-22.7#	91	0.00
18	T	Pentachlorophenol (PCP)	100.000	98.798	1.2	74	0.00
19	T	Dibenzothiopene	100.000	101.397	-1.4	74	0.00
20	T	Phenanthrene	100.000	95.972	4.0	73	0.00
21	T	Anthracene	100.000	107.710	-7.7	76	0.00
22	T	Carbazole	100.000	109.596	-9.6	76	0.00
23	T	1-Methylphenanthrene	100.000	99.802	0.2	72	0.00
24	T	Fluoranthene	100.000	104.217	-4.2	73	0.00
25	I	Chrysene-d12 (ISTD)	100.000	100.000	0.0	81	0.00
26	T	Pyrene	100.000	93.649	6.4	72	0.00
27	S	Terphenyl-d14 (Surr)	100.000	102.553	-2.6	81	0.00
28	T	Benz(a)anthracene	100.000	103.540	-3.5	87	0.00
29	T	Chrysene	100.000	100.217	-0.2	81	0.01
30	I	Perylene-d12 (ISTD)	100.000	100.000	0.0	92	0.01

Evaluate Continuing Calibration Report

Data Path : U:\data\2021-01\1A06048\
Data File : N01062109.D
Acq On : 06 Jan 2021 12:38 pm
Operator : JK/ AMS/ DTH
Sample : 1A06048-CCV1
Misc : 1x, A20J299@100
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 06 15:02:59 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
31	T	Benzo(b)fluoranthene	100.000	102.456	-2.5	91	0.01
32	T	Benzo(k)fluoranthene	100.000	105.978	-6.0	93	0.01
33	T	Benzo(b+k)fluoranthene	200.000	203.001	-1.5	90	0.01
34	T	Benzo(e)pyrene	100.000	100.451	-0.5	88	0.01
35	T	Benzo(a)pyrene	100.000	110.477	-10.5	96	0.01
36	T	Perylene	100.000	96.220	3.8	88	0.01
37	I	Dibenz(a,h)Anthrcene-d14(IS	100.000	100.000	0.0	114	0.01
38	T	Indeno(1,2,3-cd)Pyrene	100.000	93.513	6.5	104	0.02
39	T	Dibenz(a,h)anthracene	100.000	91.250	8.8	99	0.02
40	T	Benzo(g,h,i)perylene	100.000	92.596	7.4	98	0.01

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062109.D
Acq On : 06 Jan 2021 12:38 pm
Operator : JK/ AMS/ DTH
Sample : 1A06048-CCV1
Misc : 1x, A20J299@100
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 06 15:02:59 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.090	136	198612	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	8.822	162	124717	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.314	188	232000	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	13.374	240	221707	100.00	ng/ml	0.00
30) Perylene-d12 (ISTD)	16.597	264	224932	100.00	ng/ml	0.01
37) Dibenz(a,h)Anthrcene-d...	18.969	292	214046	100.00	ng/ml	0.01
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	6.414	82	54686	98.29	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.157	172	184698	103.58	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	9.626	330	36180	122.66	ng/ml	0.00
27) Terphenyl-d14 (Surr)	11.940	244	218606	102.55	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	6.560	138	11941	101.27	ng/ml	82
4) Naphthalene	7.108	128	193058	94.26	ng/ml	100
5) 2-Methylnaphthalene	7.790	142	152955	103.28	ng/ml	97
6) 1-Methylnaphthalene	7.883	142	144668	97.62	ng/ml	97
7) 1,1'-Biphenyl	8.256	154	187593	99.53	ng/ml	95
8) 2,6-Dimethylnaphthalene	8.414	156	138298	100.13	ng/ml	97
11) Acenaphthylene	8.682	152	219904	105.20	ng/ml	99
12) Acenaphthene	8.857	153	152813	100.04	ng/ml	99
13) Dibenzofuran	9.031	168	206678	107.62	ng/ml	92
14) 1,6,7-Trimethylnaphtha...	9.247	170	135768	98.03	ng/ml	100
15) Fluorene	9.375	166	160794	103.40	ng/ml	100
18) Pentachlorophenol (PCP)	10.151	266	12057	98.80	ng/ml	95
19) Dibenzothiopene	10.209	184	228439	101.40	ng/ml	93
20) Phenanthrene	10.337	178	240978	95.97	ng/ml	99
21) Anthracene	10.390	178	221522	107.71	ng/ml	99
22) Carbazole	10.564	167	167553	109.60	ng/ml	98
23) 1-Methylphenanthrene	10.961	192	180183	99.80	ng/ml	97
24) Fluoranthene	11.538	202	271451	104.22	ng/ml	95
26) Pyrene	11.765	202	278012	93.65	ng/ml	99
28) Benz(a)anthracene	13.356	228	229488	103.54	ng/ml	100
29) Chrysene	13.420	228	229517	100.22	ng/ml	100
31) Benzo(b)fluoranthene	15.717	252	233678	102.46	ng/ml	90
32) Benzo(k)fluoranthene	15.775	252	228035	105.98	ng/ml	90

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062109.D
Acq On : 06 Jan 2021 12:38 pm
Operator : JK/ AMS/ DTH
Sample : 1A06048-CCV1
Misc : 1x, A20J299@100
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 06 15:02:59 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

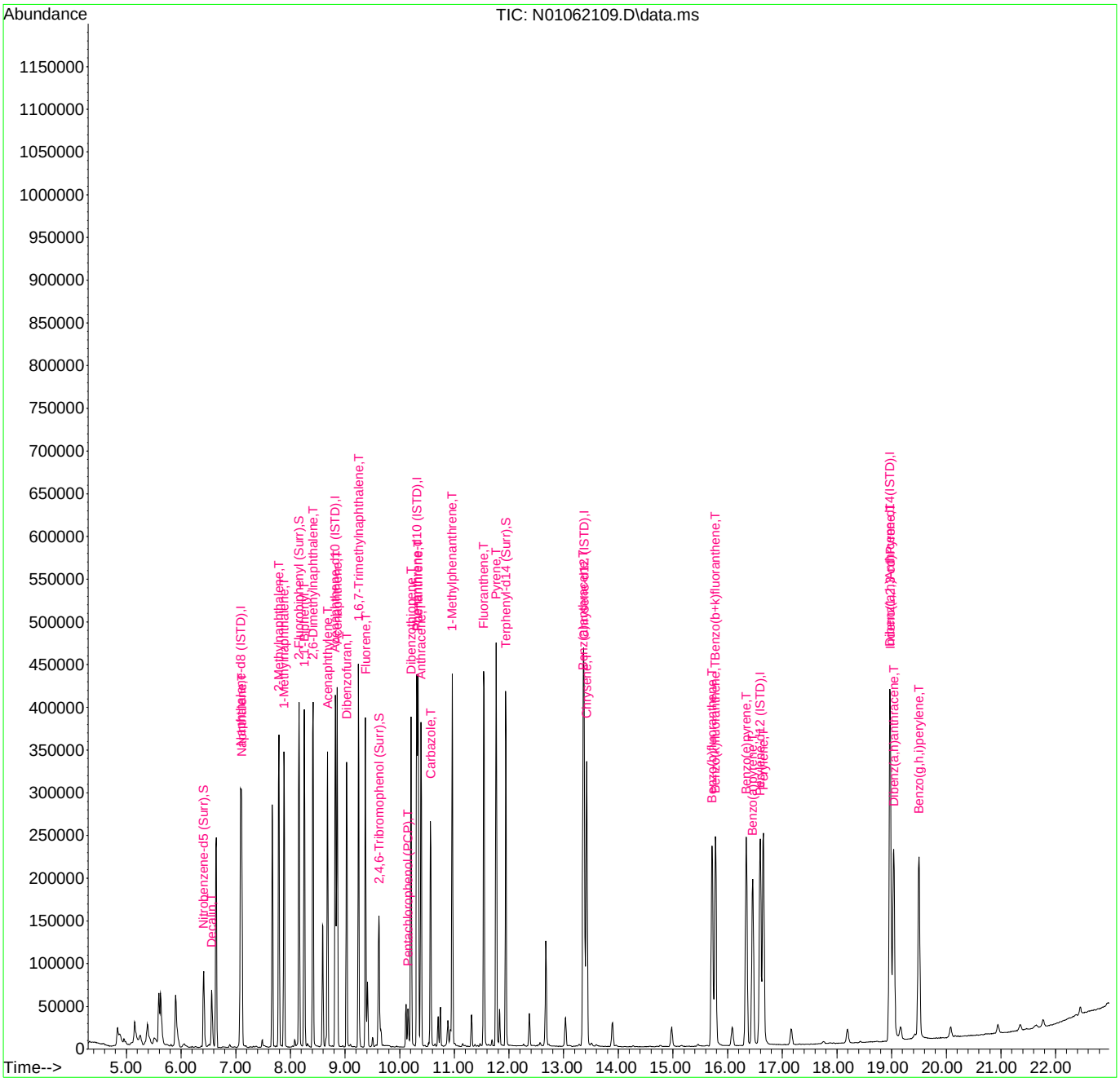
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	15.775	252	471208	203.00	ng/ml	90
34) Benzo(e)pyrene	16.341	252	227849	100.45	ng/ml	97
35) Benzo(a)pyrene	16.457	252	182687	110.48	ng/ml	94
36) Perylene	16.655	252	236246	96.22	ng/ml	100
38) Indeno(1,2,3-cd)Pyrene	18.975	276	215423	93.51	ng/ml	72
39) Dibenz(a,h)anthracene	19.039	278	206685	91.25	ng/ml	77
40) Benzo(g,h,i)perylene	19.500	276	216880	92.60	ng/ml	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062109.D
Acq On : 06 Jan 2021 12:38 pm
Operator : JK/ AMS/ DTH
Sample : 1A06048-CCV1
Misc : 1x, A20J299@100
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 06 15:02:59 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

AMS 1/6/21

Data Path : U:\data\2021-01\1A06048\
Data File : N01062110.D
Acq On : 06 Jan 2021 01:11 pm
Operator : JK/ AMS/ DTH
Sample : 1A06048-CCB1
Misc : 1x, DCM + ISTD
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 06 15:03:34 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.090	136	178969	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	8.822	162	107816	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.314	188	187131	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	13.374	240	176469	100.00	ng/ml	0.00
30) Perylene-d12 (ISTD)	16.591	264	186184	100.00	ng/ml	0.00
37) Dibenz(a,h)Anthrcene-d...	18.963	292	188853	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	6.496	82	77	0.15	ng/ml	0.09
10) 2-Fluorobiphenyl (Surr)	0.000	172	0	0.00	ng/ml	
17) 2,4,6-Tribromophenol (...	9.410	330	77	2.25	ng/ml	-0.21
27) Terphenyl-d14 (Surr)	11.940	244	97	0.06	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	0.000		0	N.D.		
4) Naphthalene	7.120	128	229	N.D.		
5) 2-Methylnaphthalene	7.796	142	62	N.D.		
6) 1-Methylnaphthalene	0.000		0	N.D.		
7) 1,1'-Biphenyl	8.256	154	112	N.D.		
8) 2,6-Dimethylnaphthalene	0.000		0	N.D.		
11) Acenaphthylene	8.682	152	120	N.D.		
12) Acenaphthene	0.000		0	N.D.		
13) Dibenzofuran	9.031	168	55	N.D.		
14) 1,6,7-Trimethylnaphtha...	0.000		0	N.D.		
15) Fluorene	0.000		0	N.D.		
18) Pentachlorophenol (PCP)	10.156	266	449	13.77	ng/ml	99
19) Dibenzothiopene	0.000		0	N.D.		
20) Phenanthrene	10.337	178	138	N.D.		
21) Anthracene	10.337	178	138	N.D.		
22) Carbazole	10.570	167	179	N.D.		
23) 1-Methylphenanthrene	0.000		0	N.D.		
24) Fluoranthene	11.538	202	90	N.D.		
26) Pyrene	11.765	202	114	N.D.		
28) Benz(a)anthracene	13.368	228	514	N.D.		
29) Chrysene	13.415	228	126	N.D.		
31) Benzo(b)fluoranthene	15.711	252	140	N.D.		
32) Benzo(k)fluoranthene	15.769	252	182	N.D.		

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062110.D
Acq On : 06 Jan 2021 01:11 pm
Operator : JK/ AMS/ DTH
Sample : 1A06048-CCB1
Misc : 1x, DCM + ISTD
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 06 15:03:34 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

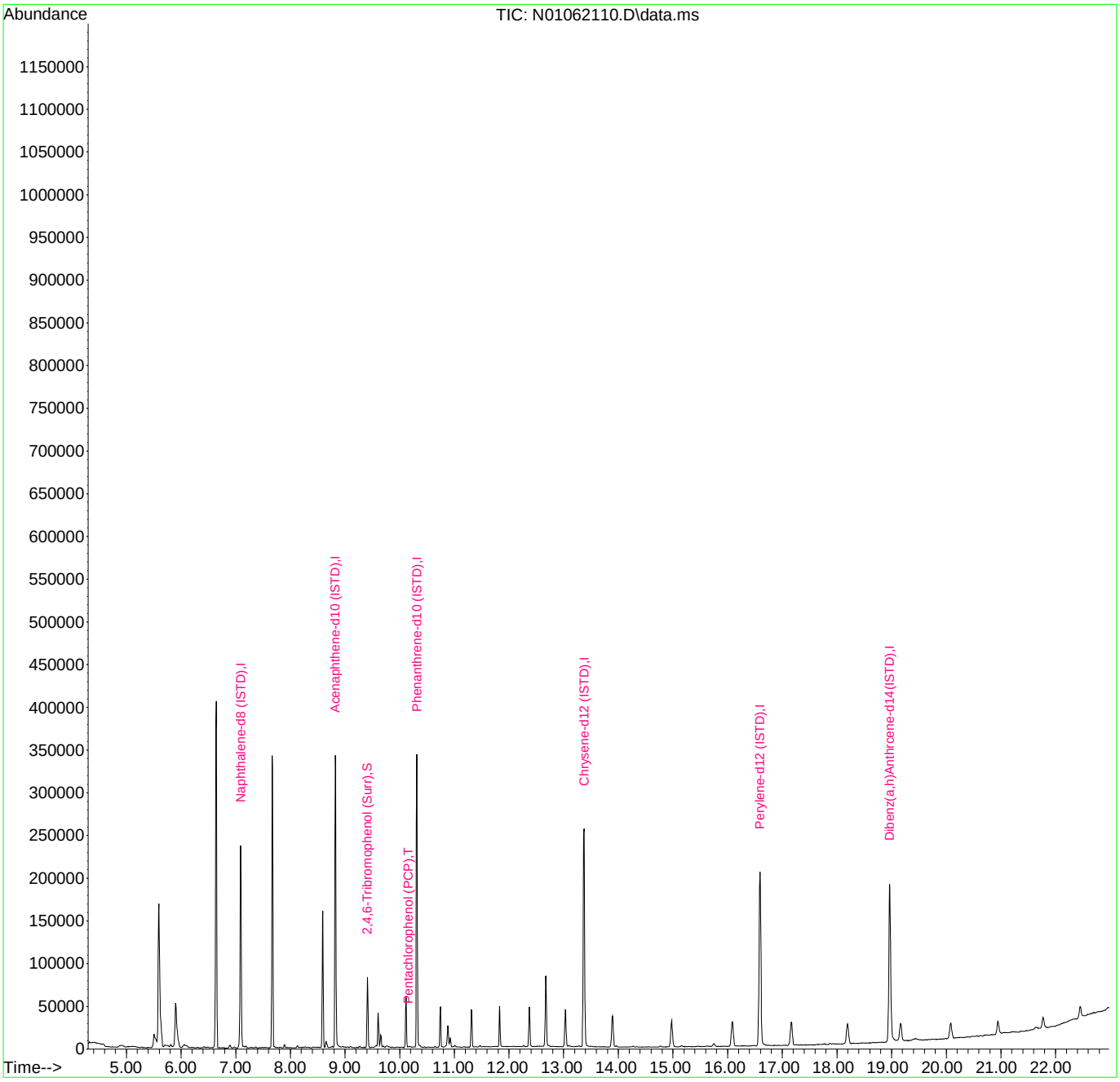
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	15.769	252	182	N.D.		
34) Benzo(e)pyrene	16.457	252	85	N.D.		
35) Benzo(a)pyrene	16.457	252	85	N.D.		
36) Perylene	16.649	252	128	N.D.		
38) Indeno(1,2,3-cd)Pyrene	18.969	276	207	N.D.		
39) Dibenz(a,h)anthracene	19.033	278	134	N.D.		
40) Benzo(g,h,i)perylene	19.500	276	118	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062110.D
Acq On : 06 Jan 2021 01:11 pm
Operator : JK/ AMS/ DTH
Sample : 1A06048-CCB1
Misc : 1x, DCM + ISTD
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 06 15:03:34 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

AMS 1/6/21

R04

Data Path : U:\data\2021-01\1A06048\
Data File : N01062111.D
Acq On : 06 Jan 2021 01:43 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-15@4
Misc : 4x, 8270E LL PCP ONLY
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 06 15:04:02 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.091	136	197743	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	8.828	162	116545	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.320	188	212157	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	13.386	240	219303	100.00	ng/ml	0.02
30) Perylene-d12 (ISTD)	16.615	264	227153	100.00	ng/ml	0.03
37) Dibenz(a,h)Anthrcene-d...	18.993	292	209246	100.00	ng/ml	0.04
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	6.414	82	6614	11.94	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.157	172	23997	14.40	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	9.626	330	7754	30.80	ng/ml	0.00
27) Terphenyl-d14 (Surr)	11.946	244	33937	16.10	ng/ml	0.01
Target Compounds						Qvalue
3) Decalin	6.549	138	510	4.34	ng/ml#	62
4) Naphthalene	7.108	128	133084	65.26	ng/ml	99
5) 2-Methylnaphthalene	7.790	142	27144	18.41	ng/ml	96
6) 1-Methylnaphthalene	7.883	142	11681	7.92	ng/ml	98
7) 1,1'-Biphenyl	8.256	154	12202	6.50	ng/ml	91
8) 2,6-Dimethylnaphthalene	8.414	156	14651	10.65	ng/ml	97
11) Acenaphthylene	8.682	152	65241	33.40	ng/ml	97
12) Acenaphthene	8.857	153	69801	48.90	ng/ml	98
13) Dibenzofuran	9.032	168	16723	9.32	ng/ml	94
14) 1,6,7-Trimethylnaphtha...	9.247	170	9193	7.10	ng/ml	85
15) Fluorene	9.375	166	47443	32.65	ng/ml	98
18) Pentachlorophenol (PCP)	10.156	266	4003	44.81	ng/ml	97
19) Dibenzothiopene	10.209	184	54441	26.42	ng/ml	96
20) Phenanthrene	10.343	178	575407	250.59	ng/ml	99
21) Anthracene	10.390	178	103808	55.19	ng/ml	96
22) Carbazole	10.570	167	19876	14.22	ng/ml	85
23) 1-Methylphenanthrene	10.961	192	38092	23.07	ng/ml	97
24) Fluoranthene	11.544	202	890285	373.77	ng/ml	94
26) Pyrene	11.771	202	1083191	368.88	ng/ml	99
28) Benz(a)anthracene	13.368	228	373203	170.23	ng/ml	80
29) Chrysene	13.432	228	428864	189.31	ng/ml	96
31) Benzo(b)fluoranthene	15.740	252	533726	231.72	ng/ml	89
32) Benzo(k)fluoranthene	15.740	252	684602	315.05	ng/ml	87

Quantitation Report (QT Reviewed)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062111.D
Acq On : 06 Jan 2021 01:43 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-15@4
Misc : 4x, 8270E LL PCP ONLY
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 06 15:04:02 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

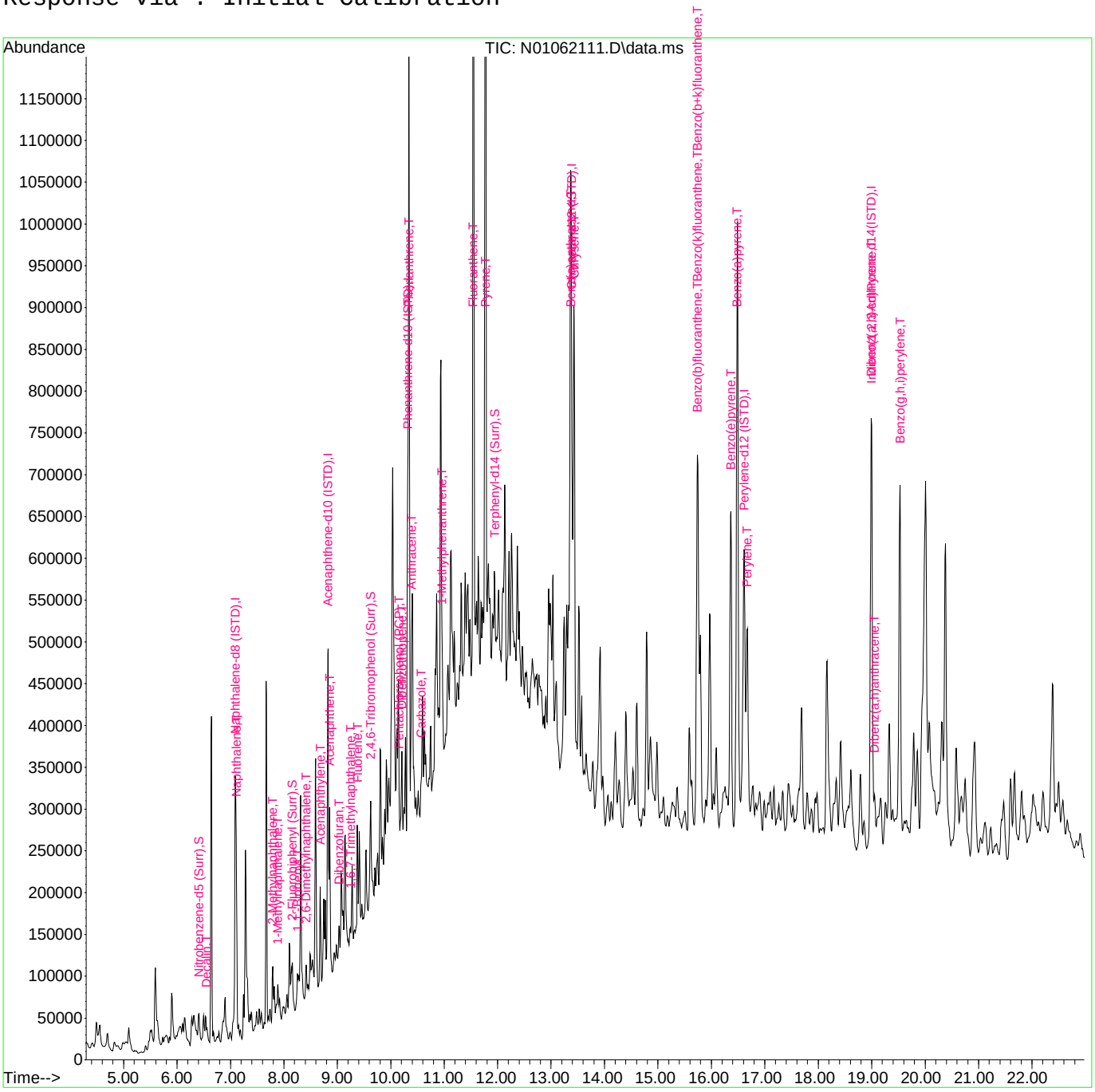
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	15.740	252	741428	316.29	ng/ml	87
34) Benzo(e)pyrene	16.364	252	343136	149.80	ng/ml	98
35) Benzo(a)pyrene	16.481	252	449323	269.06	ng/ml	96
36) Perylene	16.673	252	188486	76.02	ng/ml	98
38) Indeno(1,2,3-cd)Pyrene	18.998	276	354770	157.53	ng/ml	72
39) Dibenz(a,h)anthracene	19.051	278	50919	23.00	ng/ml	87
40) Benzo(g,h,i)perylene	19.529	276	437996	191.29	ng/ml	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062111.D
Acq On : 06 Jan 2021 01:43 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-15@4
Misc : 4x, 8270E LL PCP ONLY
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 06 15:04:02 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062111.D
Acq On : 06 Jan 2021 01:43 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-15@4
Misc : 4x, 8270E LL PCP ONLY
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 06 15:04:02 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.091	136	197743	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	8.828	162	116545	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.320	188	212157	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	13.386	240	219303	100.00	ng/ml	0.02
30) Perylene-d12 (ISTD)	16.615	264	227153	100.00	ng/ml	0.03
37) Dibenz(a,h)Anthrcene-d...	18.993	292	209246	100.00	ng/ml	0.04
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	6.414	82	6614	11.94	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.157	172	23997	14.40	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	9.626	330	7754	30.80	ng/ml	0.00
27) Terphenyl-d14 (Surr)	11.946	244	33937	16.10	ng/ml	0.01
Target Compounds						Qvalue
3) Decalin	6.549	138	510	4.34	ng/ml#	62
4) Naphthalene	7.108	128	133084	65.26	ng/ml	99
5) 2-Methylnaphthalene	7.790	142	27144	18.41	ng/ml	96
6) 1-Methylnaphthalene	7.883	142	11681	7.92	ng/ml	98
7) 1,1'-Biphenyl	8.256	154	12202	6.50	ng/ml	91
8) 2,6-Dimethylnaphthalene	8.414	156	14651	10.65	ng/ml	97
11) Acenaphthylene	8.682	152	65241	33.40	ng/ml	97
12) Acenaphthene	8.857	153	69801	48.90	ng/ml	98
13) Dibenzofuran	9.032	168	16723	9.32	ng/ml	94
14) 1,6,7-Trimethylnaphtha...	9.247	170	9193	7.10	ng/ml	85
15) Fluorene	9.375	166	47443	32.65	ng/ml	98
18) Pentachlorophenol (PCP)	10.156	266	4003	44.81	ng/ml	97
19) Dibenzothiopene	10.209	184	54441	26.42	ng/ml	96
20) Phenanthrene	10.343	178	575407	250.59	ng/ml	99
21) Anthracene	10.390	178	103808	55.19	ng/ml	96
22) Carbazole	10.570	167	19876	14.22	ng/ml	85
23) 1-Methylphenanthrene	10.961	192	38092	23.07	ng/ml	97
24) Fluoranthene	11.544	202	890285	373.77	ng/ml	94
26) Pyrene	11.771	202	1083191	368.88	ng/ml	99
28) Benz(a)anthracene	13.368	228	373203	170.23	ng/ml	80
29) Chrysene	13.432	228	428864	189.31	ng/ml	96
31) Benzo(b)fluoranthene	15.740	252	533726	231.72	ng/ml	89
32) Benzo(k)fluoranthene	15.740	252	684602	315.05	ng/ml	87

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062111.D
Acq On : 06 Jan 2021 01:43 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-15@4
Misc : 4x, 8270E LL PCP ONLY
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 06 15:04:02 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

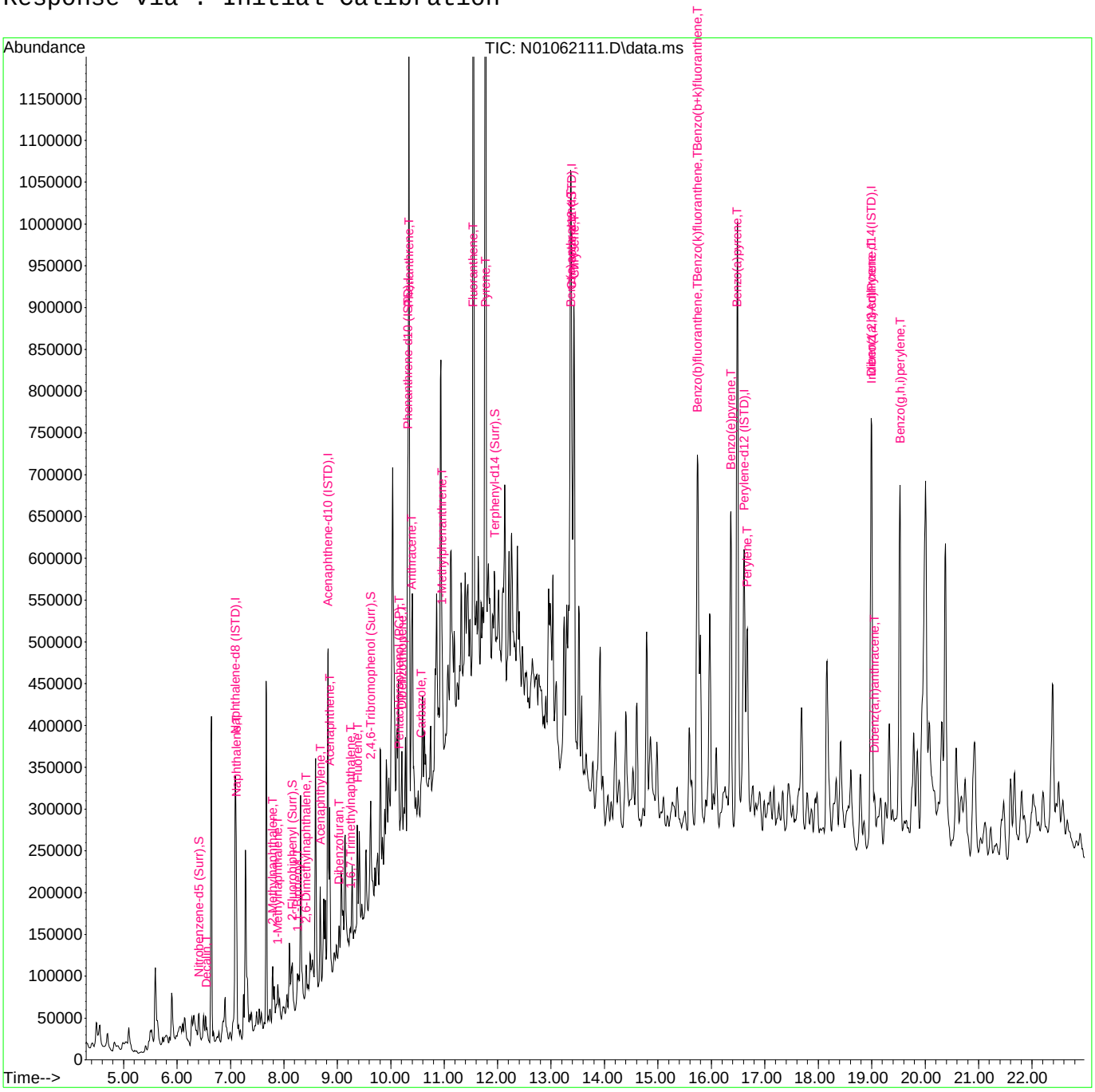
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	15.740	252	741428	316.29	ng/ml	87
34) Benzo(e)pyrene	16.364	252	343136	149.80	ng/ml	98
35) Benzo(a)pyrene	16.481	252	449323	269.06	ng/ml	96
36) Perylene	16.673	252	188486	76.02	ng/ml	98
38) Indeno(1,2,3-cd)Pyrene	18.998	276	354770	157.53	ng/ml	72
39) Dibenz(a,h)anthracene	19.051	278	50919	23.00	ng/ml	87
40) Benzo(g,h,i)perylene	19.529	276	437996	191.29	ng/ml	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062111.D
Acq On : 06 Jan 2021 01:43 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-15@4
Misc : 4x, 8270E LL PCP ONLY
ALS Vial : 4 Sample Multiplier: 1

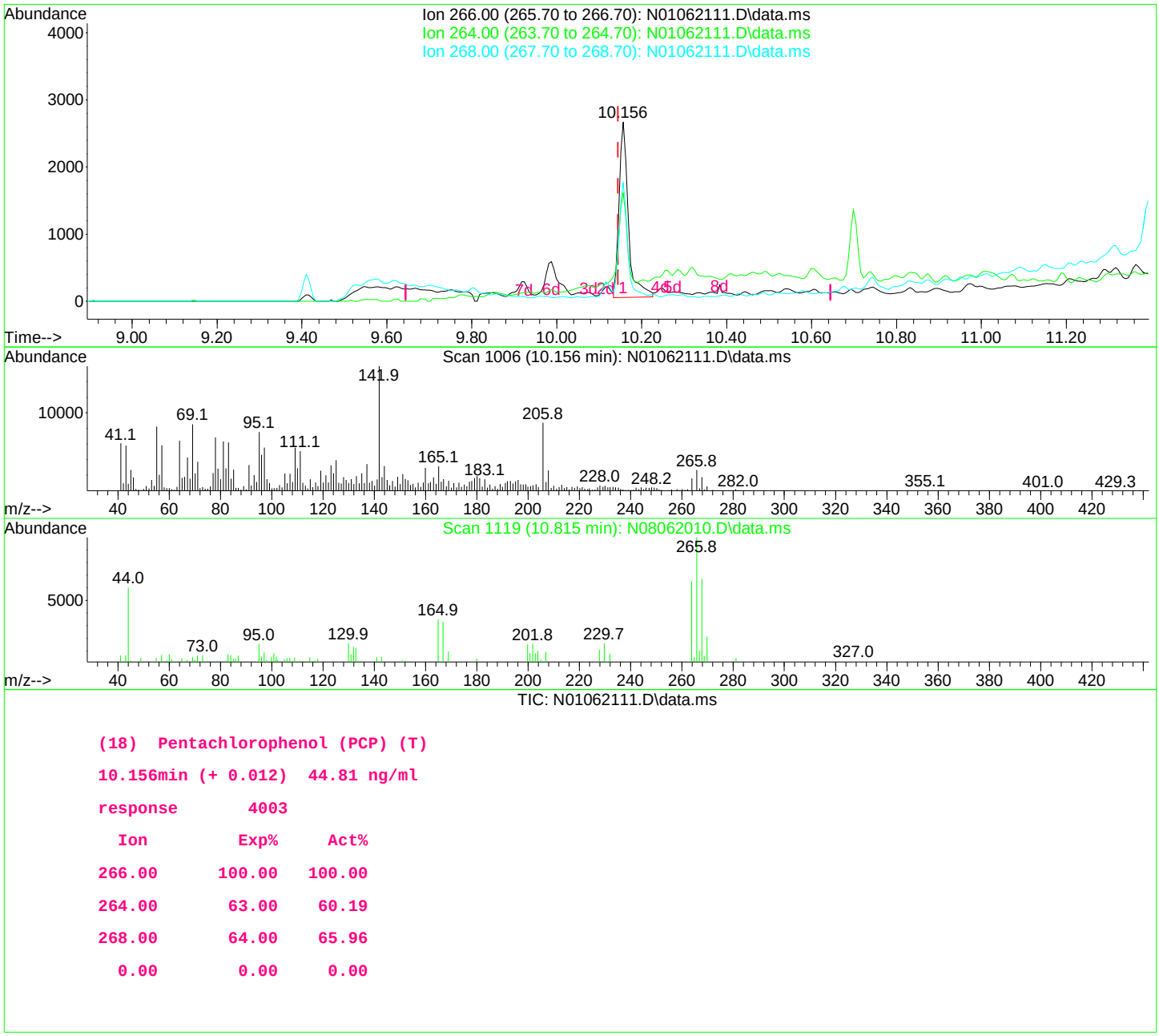
Quant Time: Jan 06 15:04:02 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062111.D
Acq On : 06 Jan 2021 01:43 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-15@4
Misc : 4x, 8270E LL PCP ONLY
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 06 15:04:02 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01062111.D\data.ms

(18) Pentachlorophenol (PCP) (T)

10.156min (+ 0.012) 44.81 ng/ml

response 4003

Ion	Exp%	Act%
266.00	100.00	100.00
264.00	63.00	60.19
268.00	64.00	65.96
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

AMS 1/6/21

Data Path : U:\data\2021-01\1A06048\
Data File : N01062112.D
Acq On : 06 Jan 2021 02:15 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-16
Misc : 1x, 8270E LL PCP ONLY
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 06 15:04:51 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.091	136	161172	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	8.828	162	104592	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.320	188	197729	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	13.380	240	227094	100.00	ng/ml	0.01
30) Perylene-d12 (ISTD)	16.609	264	248098	100.00	ng/ml	0.02
37) Dibenz(a,h)Anthrcene-d...	18.987	292	229122	100.00	ng/ml	0.03
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	6.414	82	30242	66.98	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.157	172	114356	76.47	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	9.626	330	36048	142.45	ng/ml	0.00
27) Terphenyl-d14 (Surr)	11.946	244	185998	85.19	ng/ml	0.01
Target Compounds						Qvalue
3) Decalin	6.554	138	118	1.23	ng/ml#	10
4) Naphthalene	7.108	128	65891	39.64	ng/ml	98
5) 2-Methylnaphthalene	7.790	142	10995	9.15	ng/ml	99
6) 1-Methylnaphthalene	7.889	142	7566	6.29	ng/ml	96
7) 1,1'-Biphenyl	8.256	154	8744	5.72	ng/ml	95
8) 2,6-Dimethylnaphthalene	8.414	156	9245	8.25	ng/ml	96
11) Acenaphthylene	8.682	152	32011	18.26	ng/ml	93
12) Acenaphthene	8.857	153	245146	191.37	ng/ml	100
13) Dibenzofuran	9.032	168	18329	11.38	ng/ml	90
14) 1,6,7-Trimethylnaphtha...	9.247	170	11191	9.64	ng/ml	98
15) Fluorene	9.375	166	53375	40.93	ng/ml	98
18) Pentachlorophenol (PCP)	10.156	266	1609	24.99	ng/ml	95
19) Dibenzothiopene	10.209	184	89421	46.57	ng/ml	95
20) Phenanthrene	10.343	178	835606	390.47	ng/ml	99
21) Anthracene	10.390	178	54280	30.97	ng/ml	95
22) Carbazole	10.570	167	10413	7.99	ng/ml	89
23) 1-Methylphenanthrene	10.961	192	59569	38.71	ng/ml	99
24) Fluoranthene	11.544	202	600035	270.30	ng/ml	94
26) Pyrene	11.771	202	743719	244.58	ng/ml	99
28) Benz(a)anthracene	13.362	228	211793	93.29	ng/ml	78
29) Chrysene	13.426	228	237938	101.43	ng/ml	96
31) Benzo(b)fluoranthene	15.734	252	319287	126.92	ng/ml	89
32) Benzo(k)fluoranthene	15.734	252	408286	172.03	ng/ml	87

Data Path : U:\data\2021-01\1A06048\
Data File : N01062112.D
Acq On : 06 Jan 2021 02:15 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-16
Misc : 1x, 8270E LL PCP ONLY
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 06 15:04:51 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

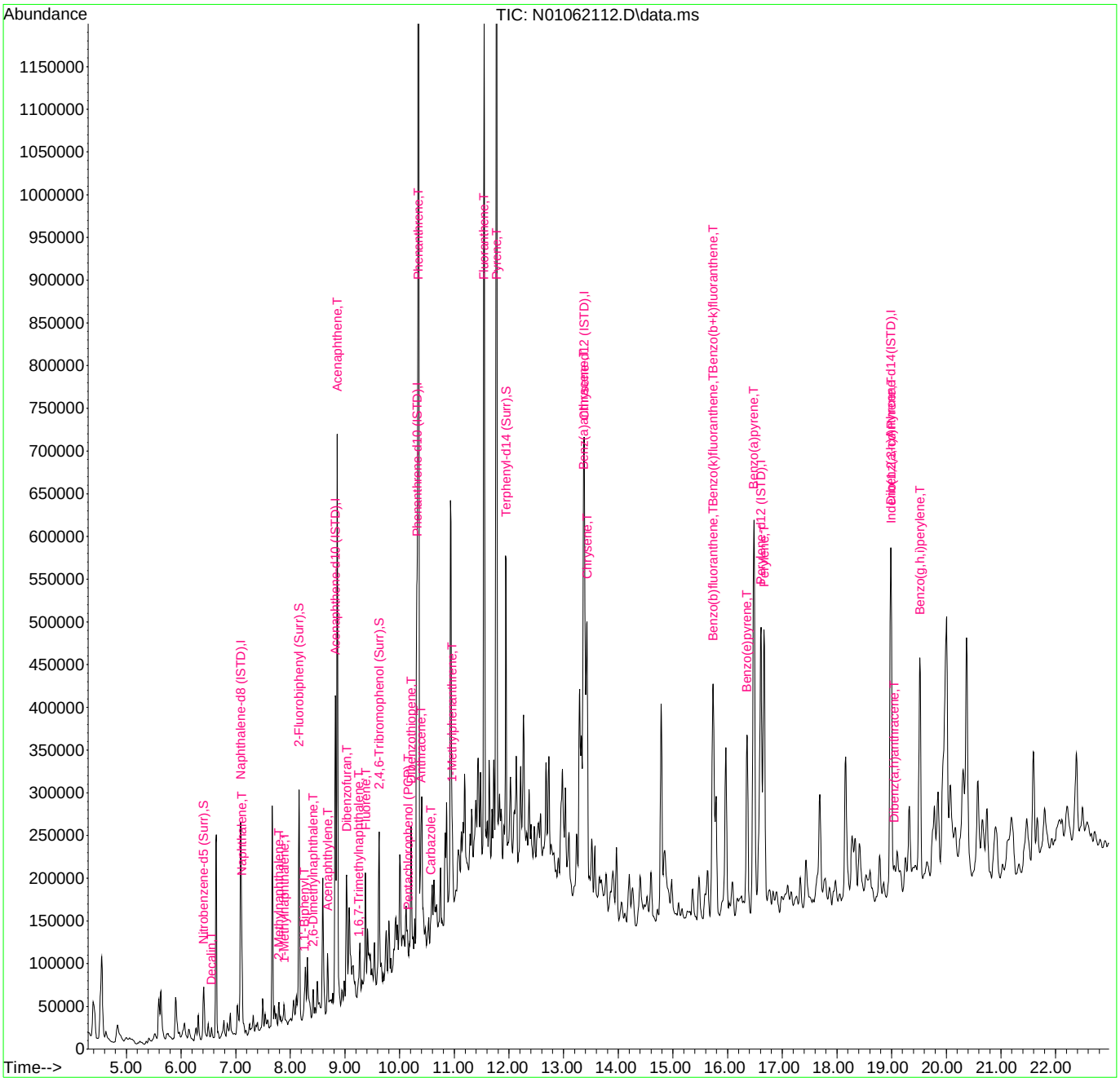
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	15.734	252	443145	173.09	ng/ml	87
34) Benzo(e)pyrene	16.352	252	190910	76.31	ng/ml	98
35) Benzo(a)pyrene	16.475	252	275748	151.18	ng/ml	97
36) Perylene	16.667	252	282064	104.15	ng/ml	99
38) Indeno(1,2,3-cd)Pyrene	18.993	276	203571	82.55	ng/ml	73
39) Dibenz(a,h)anthracene	19.045	278	29798	12.29	ng/ml	88
40) Benzo(g,h,i)perylene	19.517	276	238369	95.07	ng/ml	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062112.D
Acq On : 06 Jan 2021 02:15 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-16
Misc : 1x, 8270E LL PCP ONLY
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 06 15:04:51 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062112.D
Acq On : 06 Jan 2021 02:15 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-16
Misc : 1x, 8270E LL PCP ONLY
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 06 15:04:51 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.091	136	161172	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	8.828	162	104592	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.320	188	197729	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	13.380	240	227094	100.00	ng/ml	0.01
30) Perylene-d12 (ISTD)	16.609	264	248098	100.00	ng/ml	0.02
37) Dibenz(a,h)Anthrcene-d...	18.987	292	229122	100.00	ng/ml	0.03
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	6.414	82	30242	66.98	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.157	172	114356	76.47	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	9.626	330	36048	142.45	ng/ml	0.00
27) Terphenyl-d14 (Surr)	11.946	244	185998	85.19	ng/ml	0.01
Target Compounds						Qvalue
3) Decalin	6.554	138	118	1.23	ng/ml#	10
4) Naphthalene	7.108	128	65891	39.64	ng/ml	98
5) 2-Methylnaphthalene	7.790	142	10995	9.15	ng/ml	99
6) 1-Methylnaphthalene	7.889	142	7566	6.29	ng/ml	96
7) 1,1'-Biphenyl	8.256	154	8744	5.72	ng/ml	95
8) 2,6-Dimethylnaphthalene	8.414	156	9245	8.25	ng/ml	96
11) Acenaphthylene	8.682	152	32011	18.26	ng/ml	93
12) Acenaphthene	8.857	153	245146	191.37	ng/ml	100
13) Dibenzofuran	9.032	168	18329	11.38	ng/ml	90
14) 1,6,7-Trimethylnaphtha...	9.247	170	11191	9.64	ng/ml	98
15) Fluorene	9.375	166	53375	40.93	ng/ml	98
18) Pentachlorophenol (PCP)	10.156	266	1609	24.99	ng/ml	95
19) Dibenzothiopene	10.209	184	89421	46.57	ng/ml	95
20) Phenanthrene	10.343	178	835606	390.47	ng/ml	99
21) Anthracene	10.390	178	54280	30.97	ng/ml	95
22) Carbazole	10.570	167	10413	7.99	ng/ml	89
23) 1-Methylphenanthrene	10.961	192	59569	38.71	ng/ml	99
24) Fluoranthene	11.544	202	600035	270.30	ng/ml	94
26) Pyrene	11.771	202	743719	244.58	ng/ml	99
28) Benz(a)anthracene	13.362	228	211793	93.29	ng/ml	78
29) Chrysene	13.426	228	237938	101.43	ng/ml	96
31) Benzo(b)fluoranthene	15.734	252	319287	126.92	ng/ml	89
32) Benzo(k)fluoranthene	15.734	252	408286	172.03	ng/ml	87

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062112.D
Acq On : 06 Jan 2021 02:15 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-16
Misc : 1x, 8270E LL PCP ONLY
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 06 15:04:51 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

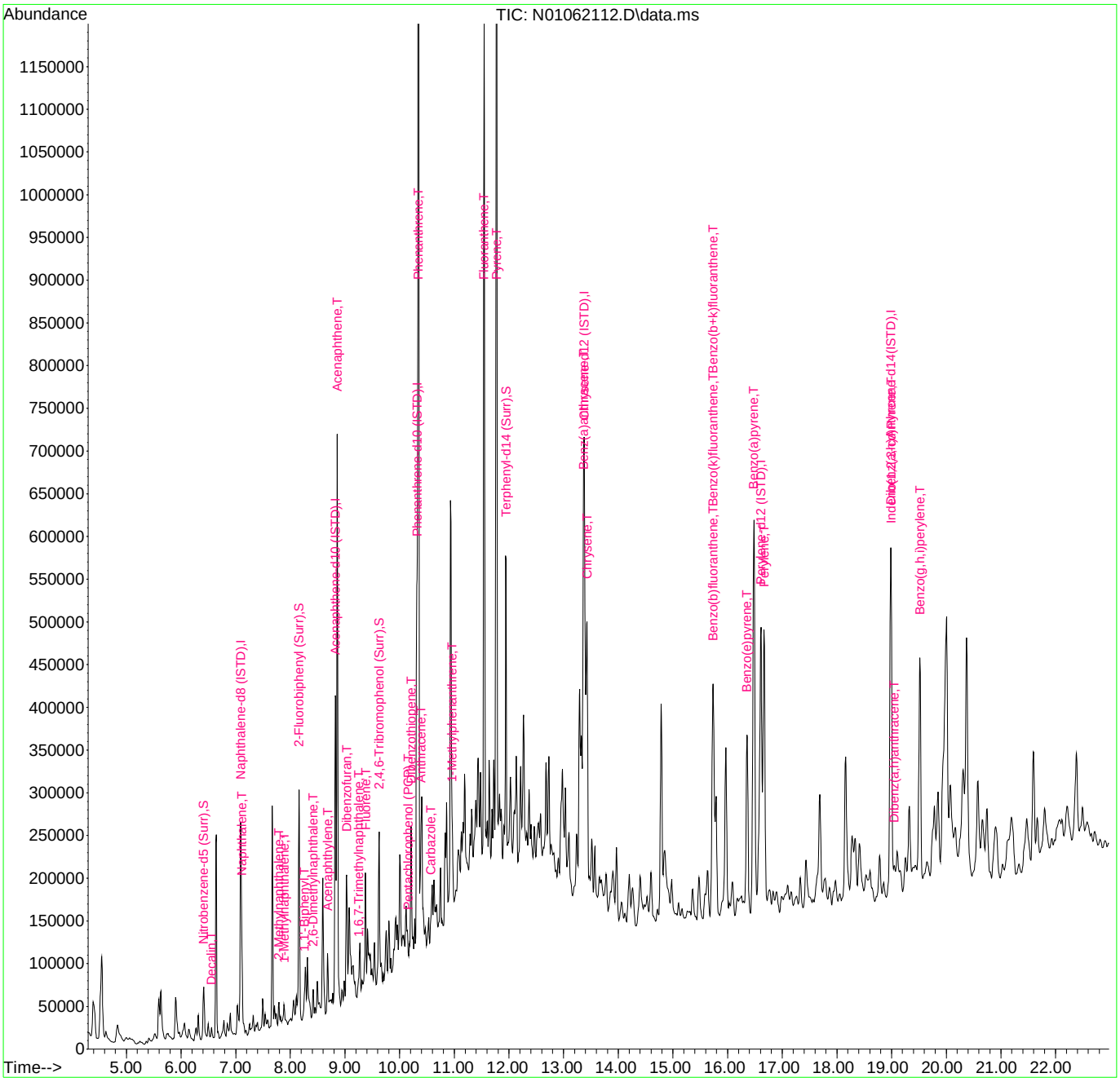
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	15.734	252	443145	173.09	ng/ml	87
34) Benzo(e)pyrene	16.352	252	190910	76.31	ng/ml	98
35) Benzo(a)pyrene	16.475	252	275748	151.18	ng/ml	97
36) Perylene	16.667	252	282064	104.15	ng/ml	99
38) Indeno(1,2,3-cd)Pyrene	18.993	276	203571	82.55	ng/ml	73
39) Dibenz(a,h)anthracene	19.045	278	29798	12.29	ng/ml	88
40) Benzo(g,h,i)perylene	19.517	276	238369	95.07	ng/ml	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062112.D
Acq On : 06 Jan 2021 02:15 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-16
Misc : 1x, 8270E LL PCP ONLY
ALS Vial : 5 Sample Multiplier: 1

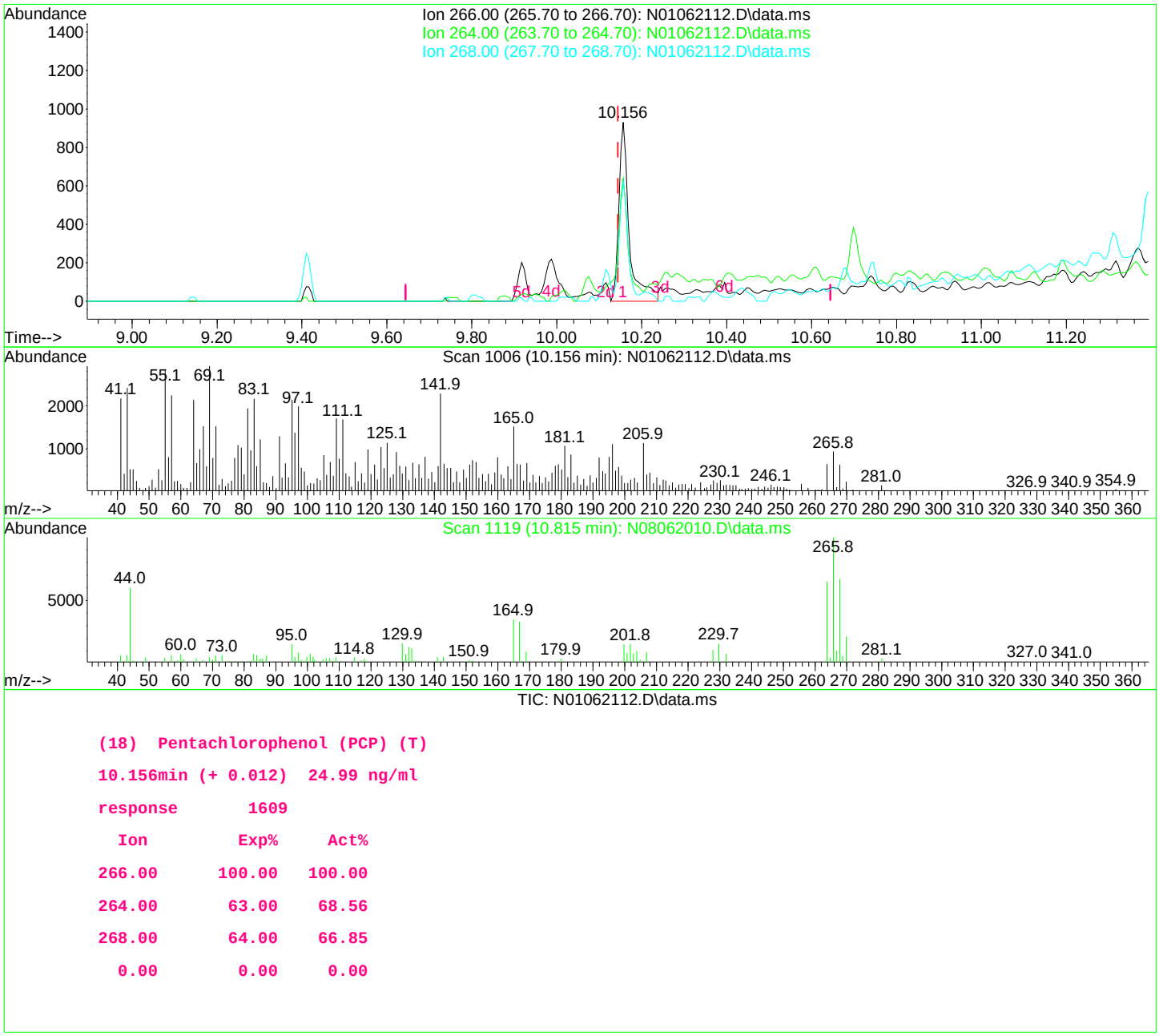
Quant Time: Jan 06 15:04:51 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062112.D
Acq On : 06 Jan 2021 02:15 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-16
Misc : 1x, 8270E LL PCP ONLY
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 06 15:04:51 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01062112.D\data.ms

(18) Pentachlorophenol (PCP) (T)

10.156min (+ 0.012) 24.99 ng/ml

response 1609

Ion	Exp%	Act%
266.00	100.00	100.00
264.00	63.00	68.56
268.00	64.00	66.85
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

AMS 1/6/21

Data Path : U:\data\2021-01\1A06048\
Data File : N01062113.D
Acq On : 06 Jan 2021 02:48 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-17
Misc : 1x, 8270E LL PCP ONLY
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 06 15:20:16 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.091	136	158408	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	8.827	162	105885	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.314	188	197229	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	13.374	240	204691	100.00	ng/ml	0.00
30) Perylene-d12 (ISTD)	16.603	264	216921	100.00	ng/ml	0.02
37) Dibenz(a,h)Anthrcene-d...	18.975	292	204985	100.00	ng/ml	0.02
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	6.414	82	35682	80.41	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.157	172	134740	89.00	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	9.626	330	36668	145.14	ng/ml	0.00
27) Terphenyl-d14 (Surr)	11.940	244	186130	94.58	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	6.659	138	132	1.40	ng/ml#	50
4) Naphthalene	7.108	128	10518	6.44	ng/ml	97
5) 2-Methylnaphthalene	7.790	142	2301	1.95	ng/ml	93
6) 1-Methylnaphthalene	7.889	142	2034	1.72	ng/ml	91
7) 1,1'-Biphenyl	8.256	154	1846	1.23	ng/ml	94
8) 2,6-Dimethylnaphthalene	8.414	156	1872	1.70	ng/ml	97
11) Acenaphthylene	8.682	152	6408	3.61	ng/ml	86
12) Acenaphthene	8.857	153	137341	105.90	ng/ml	99
13) Dibenzofuran	9.031	168	1562	0.96	ng/ml#	21
14) 1,6,7-Trimethylnaphtha...	9.241	170	5001	4.25	ng/ml	89
15) Fluorene	9.375	166	10490	7.95	ng/ml	93
18) Pentachlorophenol (PCP)	10.156	266	539	14.44	ng/ml	94
19) Dibenzothiopene	10.209	184	48701	25.43	ng/ml	94
20) Phenanthrene	10.343	178	413997	193.95	ng/ml	100
21) Anthracene	10.390	178	6726	3.85	ng/ml	89
22) Carbazole	10.570	167	933	0.72	ng/ml	69
23) 1-Methylphenanthrene	10.961	192	7325	4.77	ng/ml	97
24) Fluoranthene	11.544	202	93874	42.39	ng/ml	94
26) Pyrene	11.765	202	167020	60.94	ng/ml	99
28) Benz(a)anthracene	13.362	228	31274	15.28	ng/ml	86
29) Chrysene	13.420	228	38679	18.29	ng/ml	97
31) Benzo(b)fluoranthene	15.723	252	44691	20.32	ng/ml	89
32) Benzo(k)fluoranthene	15.723	252	55981	26.98	ng/ml	87

Quantitation Report (QT Reviewed)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062113.D
Acq On : 06 Jan 2021 02:48 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-17
Misc : 1x, 8270E LL PCP ONLY
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 06 15:20:16 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

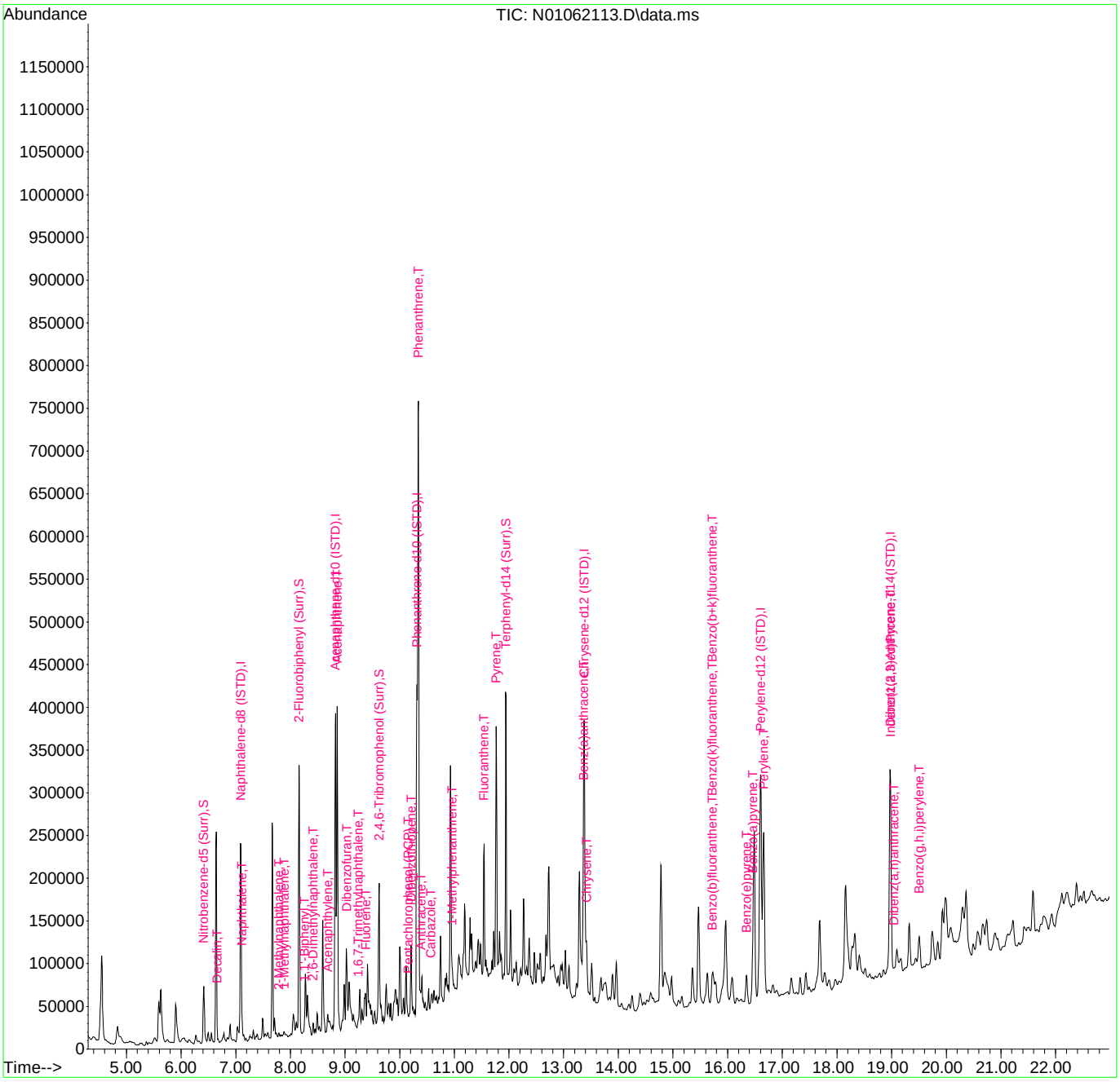
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	15.723	252	60818	27.17	ng/ml	87
34) Benzo(e)pyrene	16.346	252	25697	11.75	ng/ml	98
35) Benzo(a)pyrene	16.463	252	37752	23.67	ng/ml	95
36) Perylene	16.661	252	161944	68.39	ng/ml	100
38) Indeno(1,2,3-cd)Pyrene	18.981	276	27778	12.59	ng/ml	78
39) Dibenz(a,h)anthracene	19.039	278	3798	1.75	ng/ml	97
40) Benzo(g,h,i)perylene	19.506	276	32374	14.43	ng/ml	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062113.D
Acq On : 06 Jan 2021 02:48 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-17
Misc : 1x, 8270E LL PCP ONLY
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 06 15:20:16 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062113.D
Acq On : 06 Jan 2021 02:48 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-17
Misc : 1x, 8270E LL PCP ONLY
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 06 15:20:16 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.091	136	158408	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	8.827	162	105885	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.314	188	197229	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	13.374	240	204691	100.00	ng/ml	0.00
30) Perylene-d12 (ISTD)	16.603	264	216921	100.00	ng/ml	0.02
37) Dibenz(a,h)Anthrcene-d...	18.975	292	204985	100.00	ng/ml	0.02
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	6.414	82	35682	80.41	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.157	172	134740	89.00	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	9.626	330	36668	145.14	ng/ml	0.00
27) Terphenyl-d14 (Surr)	11.940	244	186130	94.58	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	6.659	138	132	1.40	ng/ml#	50
4) Naphthalene	7.108	128	10518	6.44	ng/ml	97
5) 2-Methylnaphthalene	7.790	142	2301	1.95	ng/ml	93
6) 1-Methylnaphthalene	7.889	142	2034	1.72	ng/ml	91
7) 1,1'-Biphenyl	8.256	154	1846	1.23	ng/ml	94
8) 2,6-Dimethylnaphthalene	8.414	156	1872	1.70	ng/ml	97
11) Acenaphthylene	8.682	152	6408	3.61	ng/ml	86
12) Acenaphthene	8.857	153	137341	105.90	ng/ml	99
13) Dibenzofuran	9.031	168	1562	0.96	ng/ml#	21
14) 1,6,7-Trimethylnaphtha...	9.241	170	5001	4.25	ng/ml	89
15) Fluorene	9.375	166	10490	7.95	ng/ml	93
18) Pentachlorophenol (PCP)	10.156	266	539	14.44	ng/ml	94
19) Dibenzothiopene	10.209	184	48701	25.43	ng/ml	94
20) Phenanthrene	10.343	178	413997	193.95	ng/ml	100
21) Anthracene	10.390	178	6726	3.85	ng/ml	89
22) Carbazole	10.570	167	933	0.72	ng/ml	69
23) 1-Methylphenanthrene	10.961	192	7325	4.77	ng/ml	97
24) Fluoranthene	11.544	202	93874	42.39	ng/ml	94
26) Pyrene	11.765	202	167020	60.94	ng/ml	99
28) Benz(a)anthracene	13.362	228	31274	15.28	ng/ml	86
29) Chrysene	13.420	228	38679	18.29	ng/ml	97
31) Benzo(b)fluoranthene	15.723	252	44691	20.32	ng/ml	89
32) Benzo(k)fluoranthene	15.723	252	55981	26.98	ng/ml	87

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062113.D
Acq On : 06 Jan 2021 02:48 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-17
Misc : 1x, 8270E LL PCP ONLY
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 06 15:20:16 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

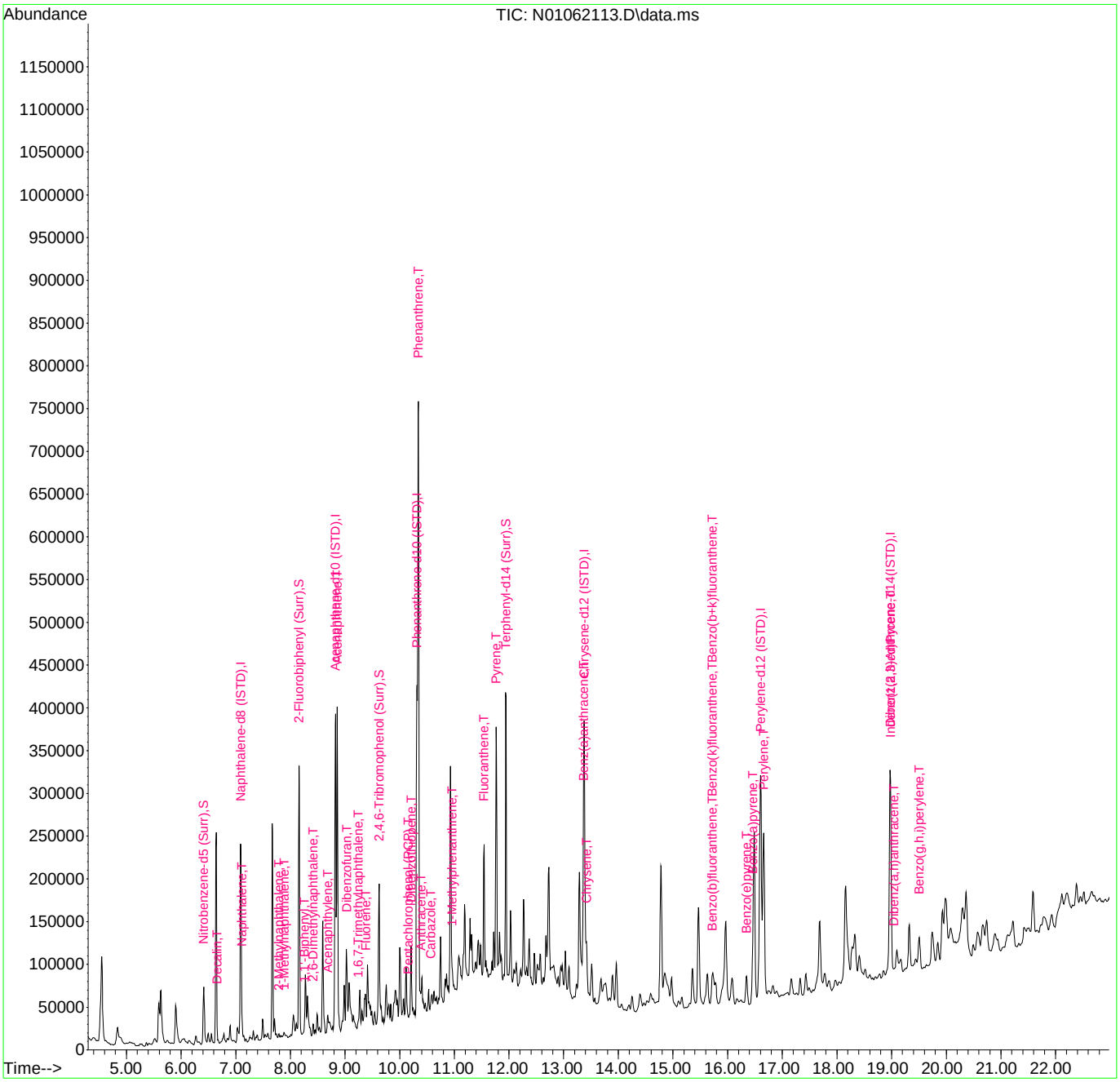
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	15.723	252	60818	27.17	ng/ml	87
34) Benzo(e)pyrene	16.346	252	25697	11.75	ng/ml	98
35) Benzo(a)pyrene	16.463	252	37752	23.67	ng/ml	95
36) Perylene	16.661	252	161944	68.39	ng/ml	100
38) Indeno(1,2,3-cd)Pyrene	18.981	276	27778	12.59	ng/ml	78
39) Dibenz(a,h)anthracene	19.039	278	3798	1.75	ng/ml	97
40) Benzo(g,h,i)perylene	19.506	276	32374	14.43	ng/ml	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062113.D
Acq On : 06 Jan 2021 02:48 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-17
Misc : 1x, 8270E LL PCP ONLY
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 06 15:20:16 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

AMS 1/6/21

M05

Data Path : U:\data\2021-01\1A06048\
Data File : N01062114.D
Acq On : 06 Jan 2021 03:20 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-18
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 06 15:47:03 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.090	136	165060	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	8.827	162	107481	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.314	188	204014	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	13.379	240	212910	100.00	ng/ml	0.01
30) Perylene-d12 (ISTD)	16.597	264	225529	100.00	ng/ml	0.01
37) Dibenz(a,h)Anthrcene-d...	18.975	292	214397	100.00	ng/ml	0.02
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	6.414	82	26228	56.72	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.157	172	104489	67.99	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	9.626	330	33287	128.09	ng/ml	0.00
27) Terphenyl-d14 (Surr)	11.946	244	195811	95.65	ng/ml	0.01
Target Compounds						Qvalue
3) Decalin	0.000		0	N.D.		
4) Naphthalene	7.114	128	4413m	2.59	ng/ml	
5) 2-Methylnaphthalene	7.790	142	1126	0.91	ng/ml	86
6) 1-Methylnaphthalene	7.889	142	739	0.60	ng/ml	93
7) 1,1'-Biphenyl	8.256	154	1305	0.83	ng/ml	93
8) 2,6-Dimethylnaphthalene	8.419	156	637	0.55	ng/ml	79
11) Acenaphthylene	8.682	152	4086	2.27	ng/ml	87
12) Acenaphthene	8.856	153	20372	15.48	ng/ml	99
13) Dibenzofuran	9.031	168	1244	0.75	ng/ml#	1
14) 1,6,7-Trimethylnaphtha...	9.241	170	1344	1.13	ng/ml	88
15) Fluorene	9.375	166	3898	2.91	ng/ml	95
18) Pentachlorophenol (PCP)	10.156	266	315	12.06	ng/ml	83
19) Dibenzothiopene	10.209	184	11118	5.61	ng/ml	95
20) Phenanthrene	10.337	178	130174	58.95	ng/ml	99
21) Anthracene	10.389	178	28365	15.68	ng/ml	96
22) Carbazole	10.570	167	3597	2.68	ng/ml	85
23) 1-Methylphenanthrene	10.961	192	18128	11.42	ng/ml	69
24) Fluoranthene	11.543	202	338307	147.70	ng/ml	94
26) Pyrene	11.771	202	416677	146.16	ng/ml	99
28) Benz(a)anthracene	13.362	228	276327	129.82	ng/ml	97
29) Chrysene	13.426	228	290336	132.01	ng/ml	99
31) Benzo(b)fluoranthene	15.728	252	255329	111.65	ng/ml	89
32) Benzo(k)fluoranthene	15.781	252	88706m	41.12	ng/ml	

M05

Quantitation Report (QT Reviewed)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062114.D
Acq On : 06 Jan 2021 03:20 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-18
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 06 15:47:03 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

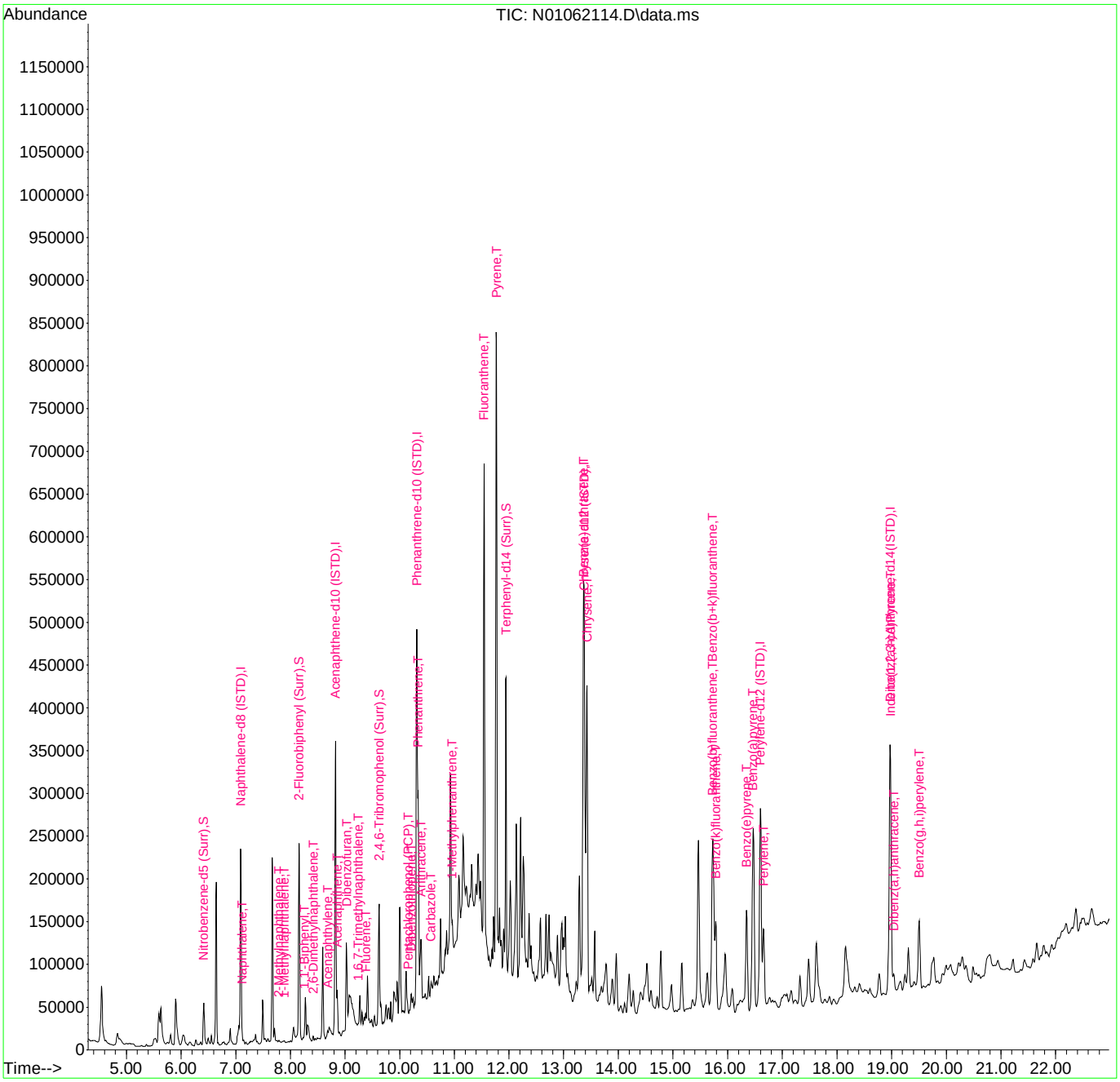
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	15.728	252	352841	151.61	ng/ml	87
34) Benzo(e)pyrene	16.346	252	113860	50.06	ng/ml	98
35) Benzo(a)pyrene	16.463	252	169614	102.30	ng/ml	96
36) Perylene	16.661	252	85528	34.74	ng/ml	99
38) Indeno(1,2,3-cd)Pyrene	18.981	276	88474	38.34	ng/ml	75
39) Dibenz(a,h)anthracene	19.039	278	18576	8.19	ng/ml	82
40) Benzo(g,h,i)perylene	19.505	276	86863	37.02	ng/ml	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062114.D
Acq On : 06 Jan 2021 03:20 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-18
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 06 15:47:03 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062114.D
Acq On : 06 Jan 2021 03:20 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-18
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 06 15:45:48 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.090	136	165060	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	8.827	162	107481	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.314	188	204014	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	13.379	240	212910	100.00	ng/ml	0.01
30) Perylene-d12 (ISTD)	16.597	264	225529	100.00	ng/ml	0.01
37) Dibenz(a,h)Anthrcene-d...	18.975	292	214397	100.00	ng/ml	0.02
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	6.414	82	26228	56.72	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.157	172	104489	67.99	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	9.626	330	33287	128.09	ng/ml	0.00
27) Terphenyl-d14 (Surr)	11.946	244	195811	95.65	ng/ml	0.01
Target Compounds						Qvalue
3) Decalin	0.000		0	N.D.		
4) Naphthalene	7.114	128	4848	2.85	ng/ml	95
5) 2-Methylnaphthalene	7.790	142	1126	0.91	ng/ml	86
6) 1-Methylnaphthalene	7.889	142	739	0.60	ng/ml	93
7) 1,1'-Biphenyl	8.256	154	1305	0.83	ng/ml	93
8) 2,6-Dimethylnaphthalene	8.419	156	637	0.55	ng/ml	79
11) Acenaphthylene	8.682	152	4086	2.27	ng/ml	87
12) Acenaphthene	8.856	153	20372	15.48	ng/ml	99
13) Dibenzofuran	9.031	168	1244	0.75	ng/ml#	1
14) 1,6,7-Trimethylnaphtha...	9.241	170	1344	1.13	ng/ml	88
15) Fluorene	9.375	166	3898	2.91	ng/ml	95
18) Pentachlorophenol (PCP)	10.156	266	315	12.06	ng/ml	83
19) Dibenzothiopene	10.209	184	11118	5.61	ng/ml	95
20) Phenanthrene	10.337	178	130174	58.95	ng/ml	99
21) Anthracene	10.389	178	28365	15.68	ng/ml	96
22) Carbazole	10.570	167	3597	2.68	ng/ml	85
23) 1-Methylphenanthrene	10.961	192	18128	11.42	ng/ml	69
24) Fluoranthene	11.543	202	338307	147.70	ng/ml	94
26) Pyrene	11.771	202	416677	146.16	ng/ml	99
28) Benz(a)anthracene	13.362	228	276327	129.82	ng/ml	97
29) Chrysene	13.426	228	290336	132.01	ng/ml	99
31) Benzo(b)fluoranthene	15.728	252	255329	111.65	ng/ml	89
32) Benzo(k)fluoranthene	15.728	252	331905	153.84	ng/ml	87

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062114.D
Acq On : 06 Jan 2021 03:20 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-18
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 06 15:45:48 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

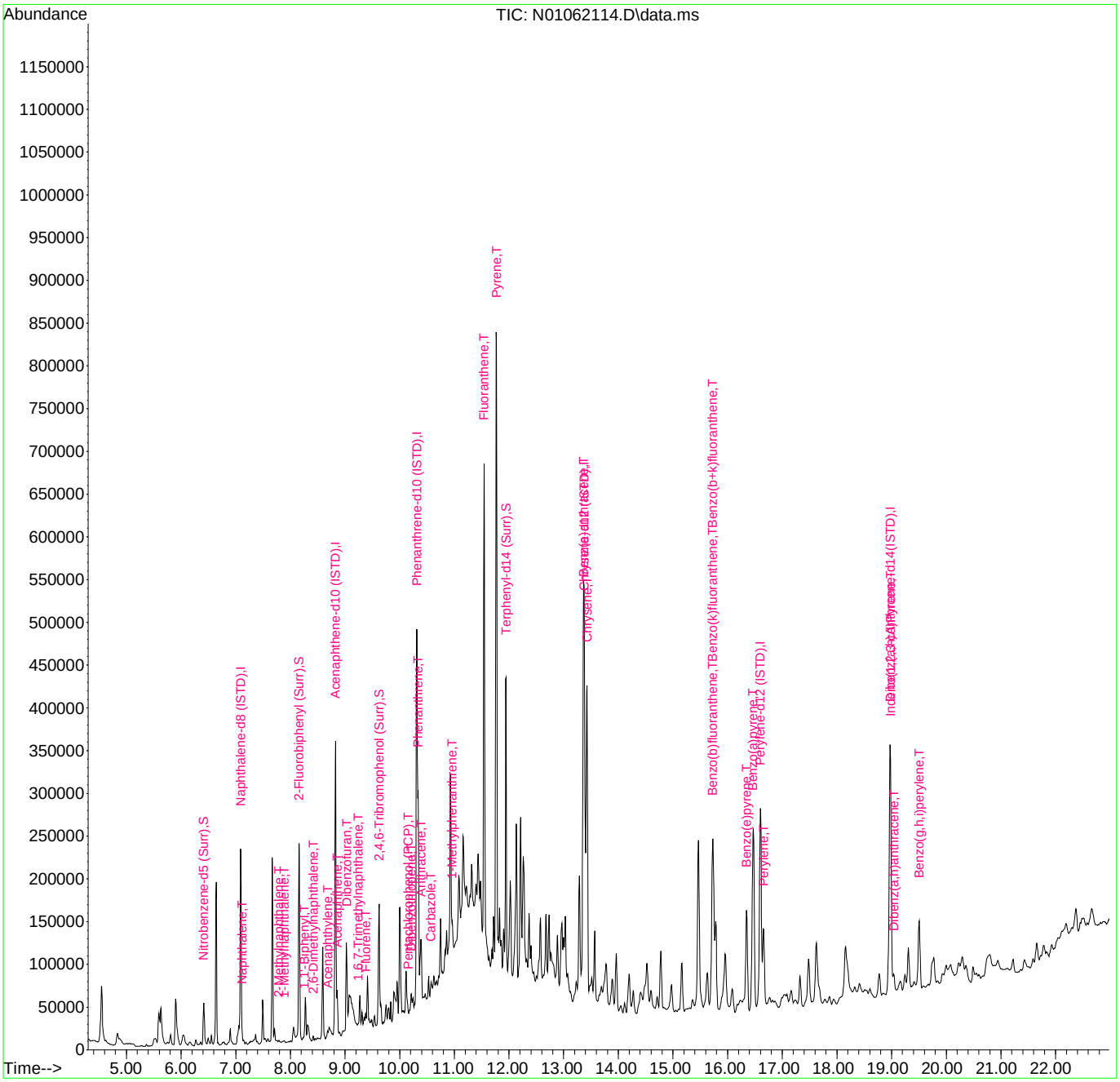
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	15.728	252	352841	151.61	ng/ml	87
34) Benzo(e)pyrene	16.346	252	113860	50.06	ng/ml	98
35) Benzo(a)pyrene	16.463	252	169614	102.30	ng/ml	96
36) Perylene	16.661	252	85528	34.74	ng/ml	99
38) Indeno(1,2,3-cd)Pyrene	18.981	276	88474	38.34	ng/ml	75
39) Dibenz(a,h)anthracene	19.039	278	18576	8.19	ng/ml	82
40) Benzo(g,h,i)perylene	19.505	276	86863	37.02	ng/ml	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062114.D
Acq On : 06 Jan 2021 03:20 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-18
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 7 Sample Multiplier: 1

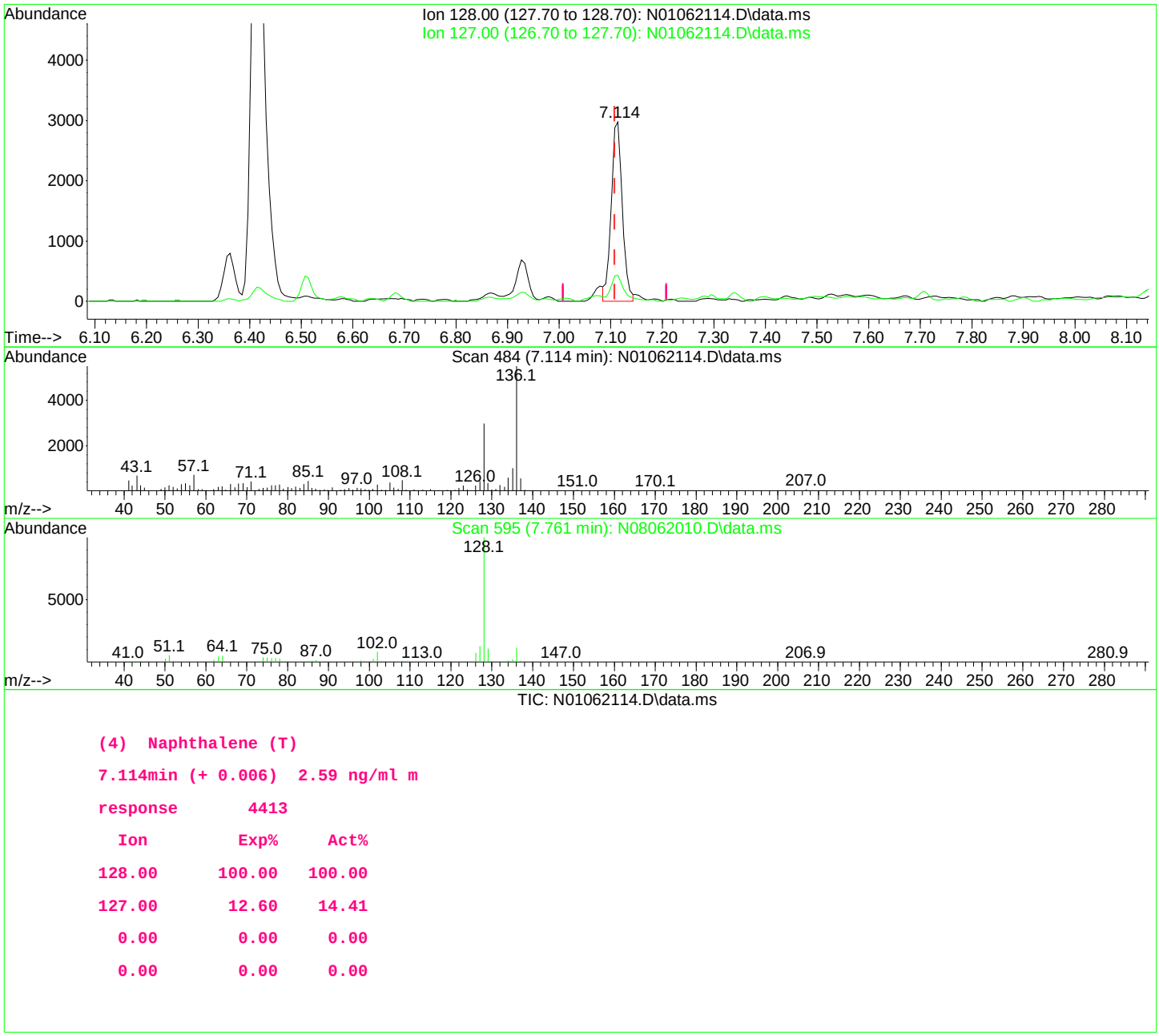
Quant Time: Jan 06 15:45:48 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062114.D
Acq On : 06 Jan 2021 03:20 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-18
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 06 15:45:48 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01062114.D\data.ms

(4) Naphthalene (T)

7.114min (+ 0.006) 2.59 ng/ml m

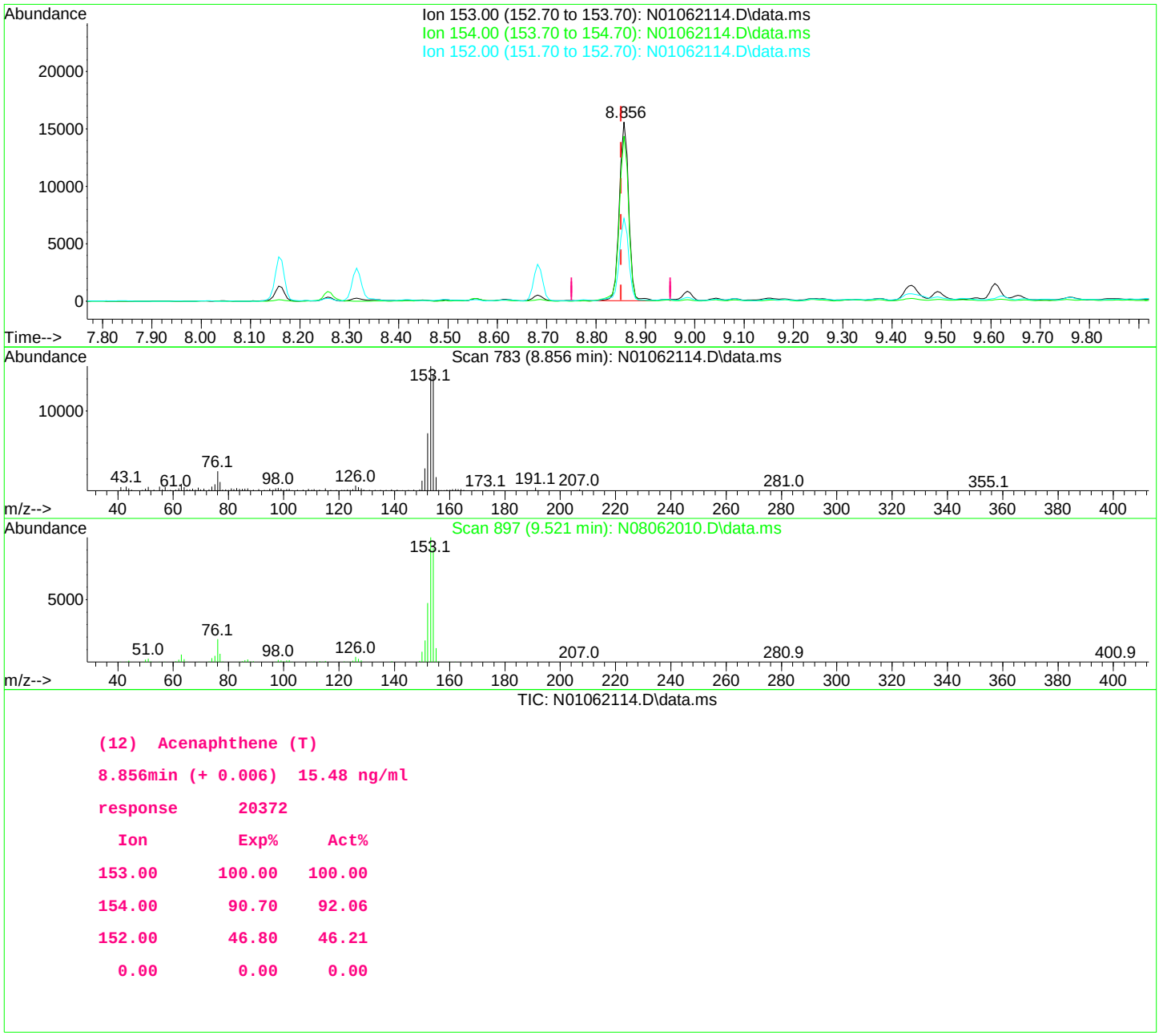
response 4413

Ion	Exp%	Act%
128.00	100.00	100.00
127.00	12.60	14.41
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062114.D
Acq On : 06 Jan 2021 03:20 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-18
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 06 15:45:48 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01062114.D\data.ms

(12) Acenaphthene (T)

8.856min (+ 0.006) 15.48 ng/ml

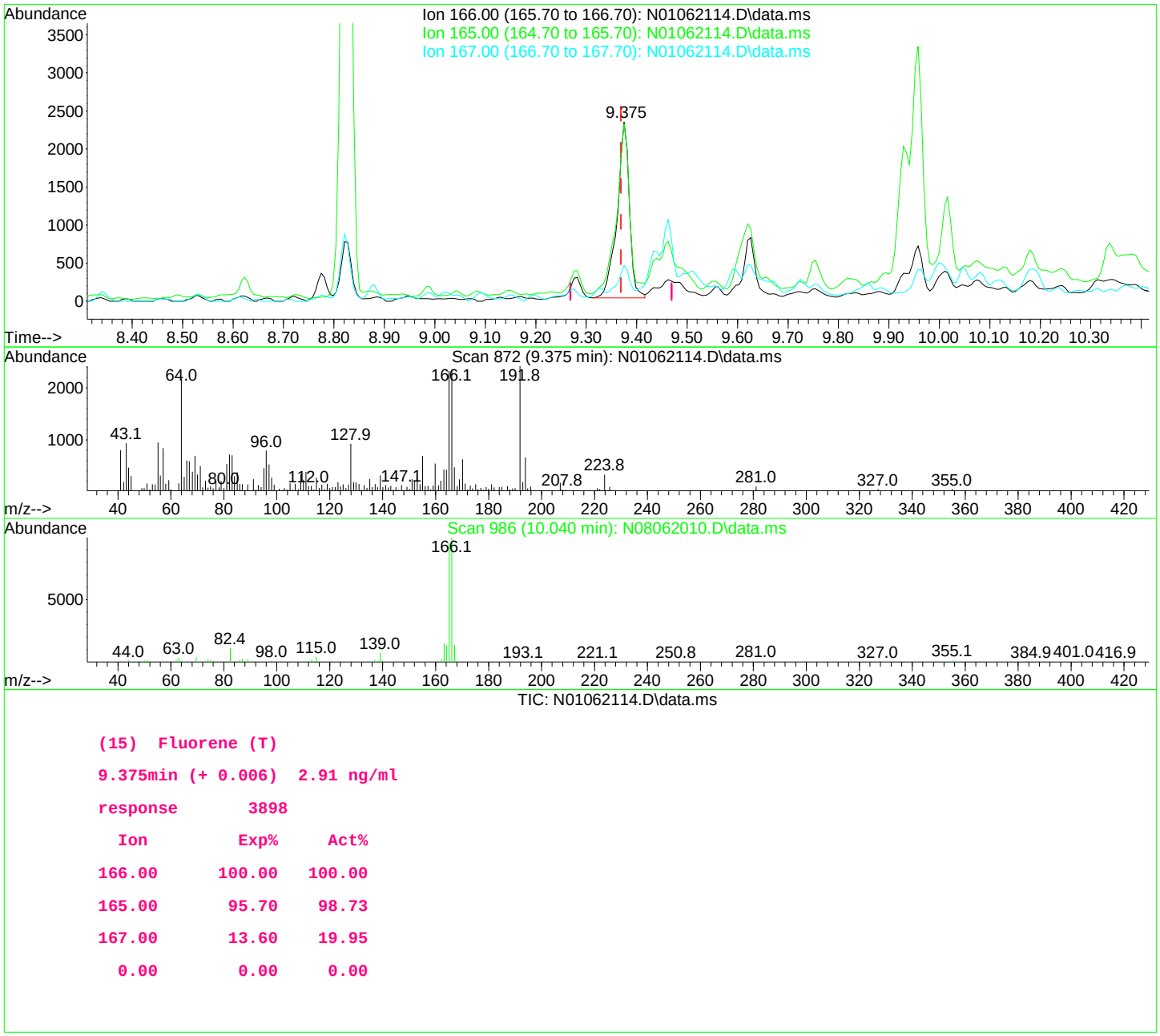
response 20372

Ion	Exp%	Act%
153.00	100.00	100.00
154.00	90.70	92.06
152.00	46.80	46.21
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062114.D
Acq On : 06 Jan 2021 03:20 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-18
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 06 15:45:48 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01062114.D\data.ms

(15) Fluorene (T)

9.375min (+ 0.006) 2.91 ng/ml

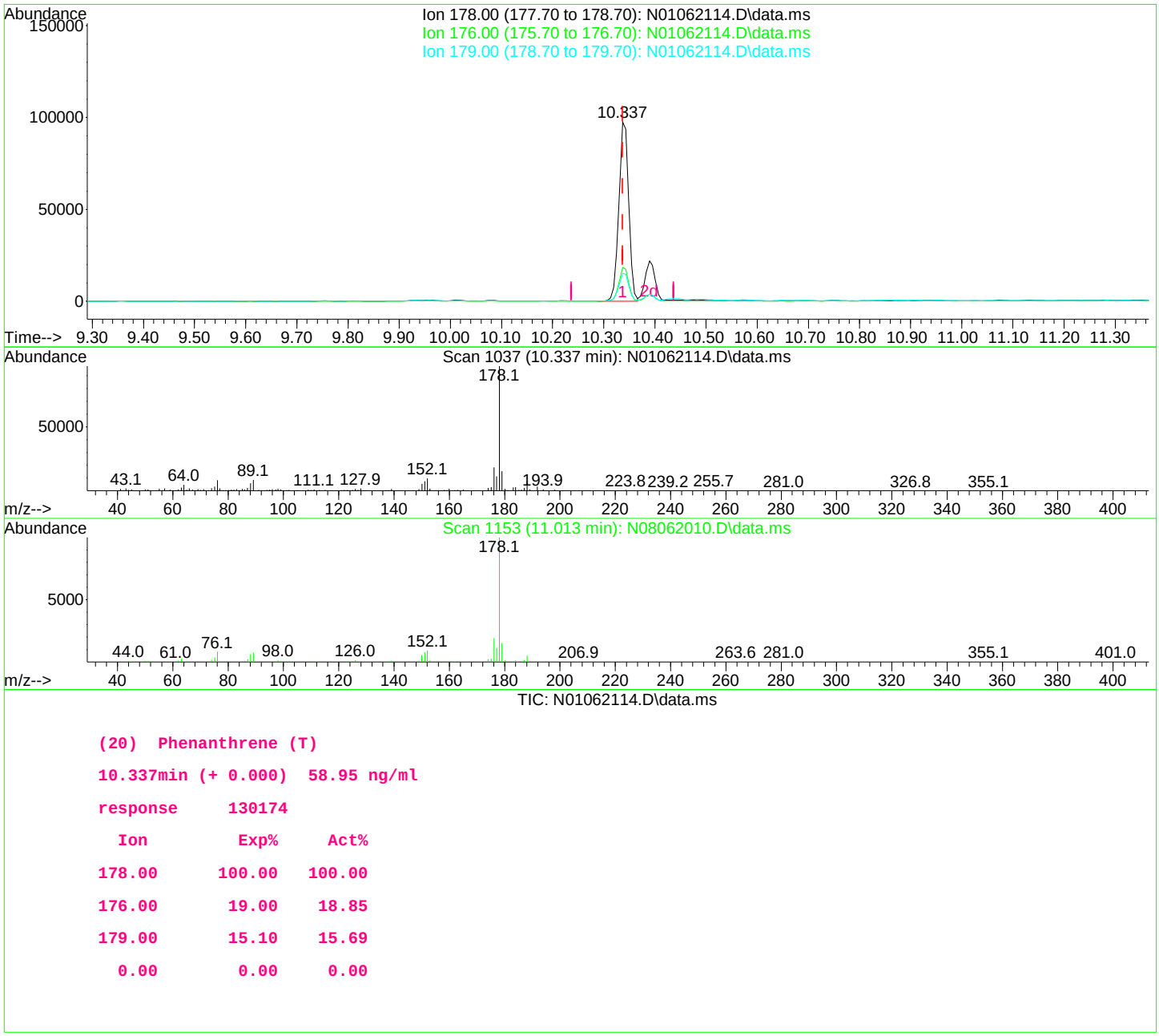
response 3898

Ion	Exp%	Act%
166.00	100.00	100.00
165.00	95.70	98.73
167.00	13.60	19.95
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062114.D
Acq On : 06 Jan 2021 03:20 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-18
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 06 15:45:48 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01062114.D\data.ms

(20) Phenanthrene (T)

10.337min (+ 0.000) 58.95 ng/ml

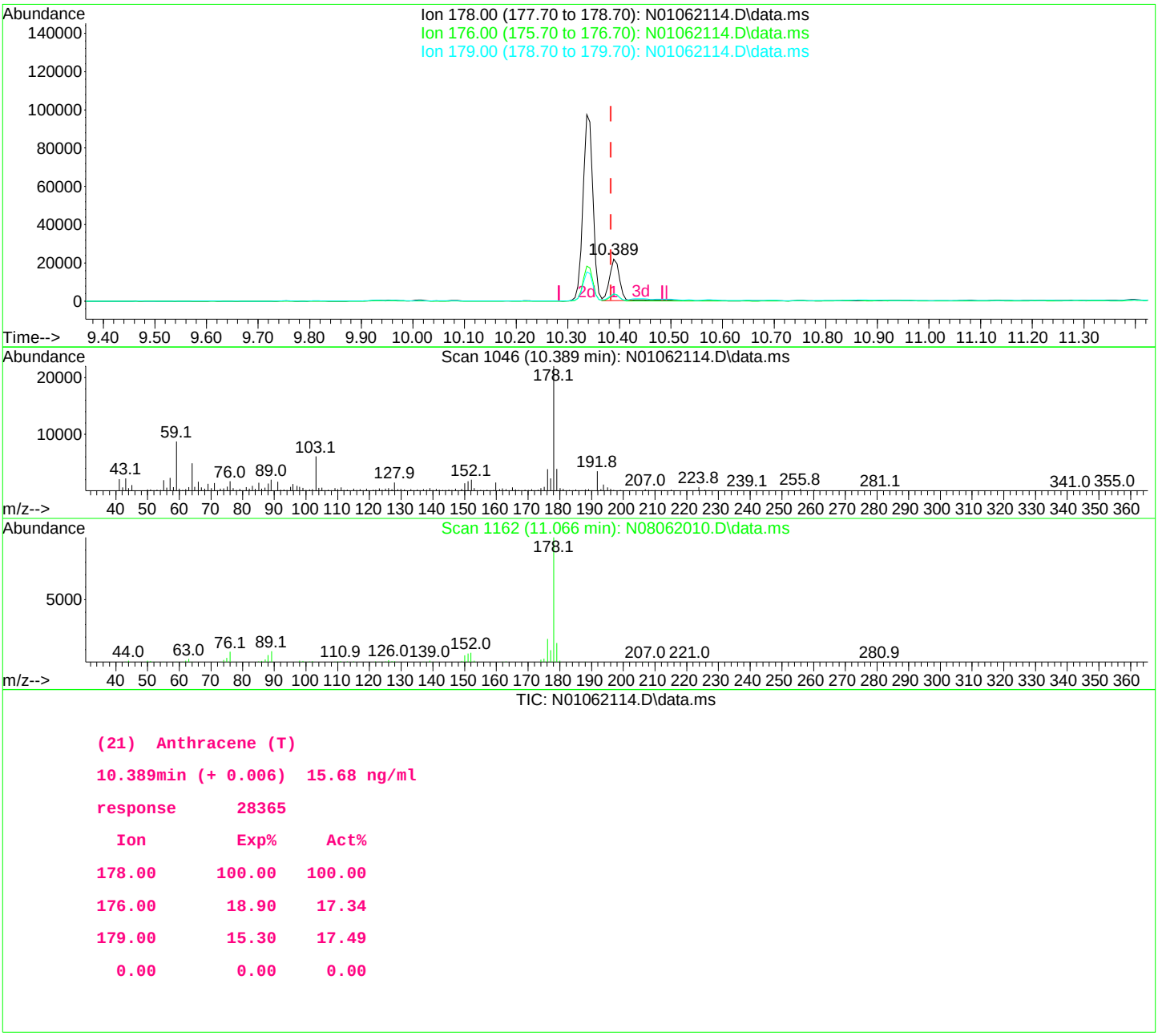
response 130174

Ion	Exp%	Act%
178.00	100.00	100.00
176.00	19.00	18.85
179.00	15.10	15.69
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062114.D
Acq On : 06 Jan 2021 03:20 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-18
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 06 15:45:48 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01062114.D\data.ms

(21) Anthracene (T)

10.389min (+ 0.006) 15.68 ng/ml

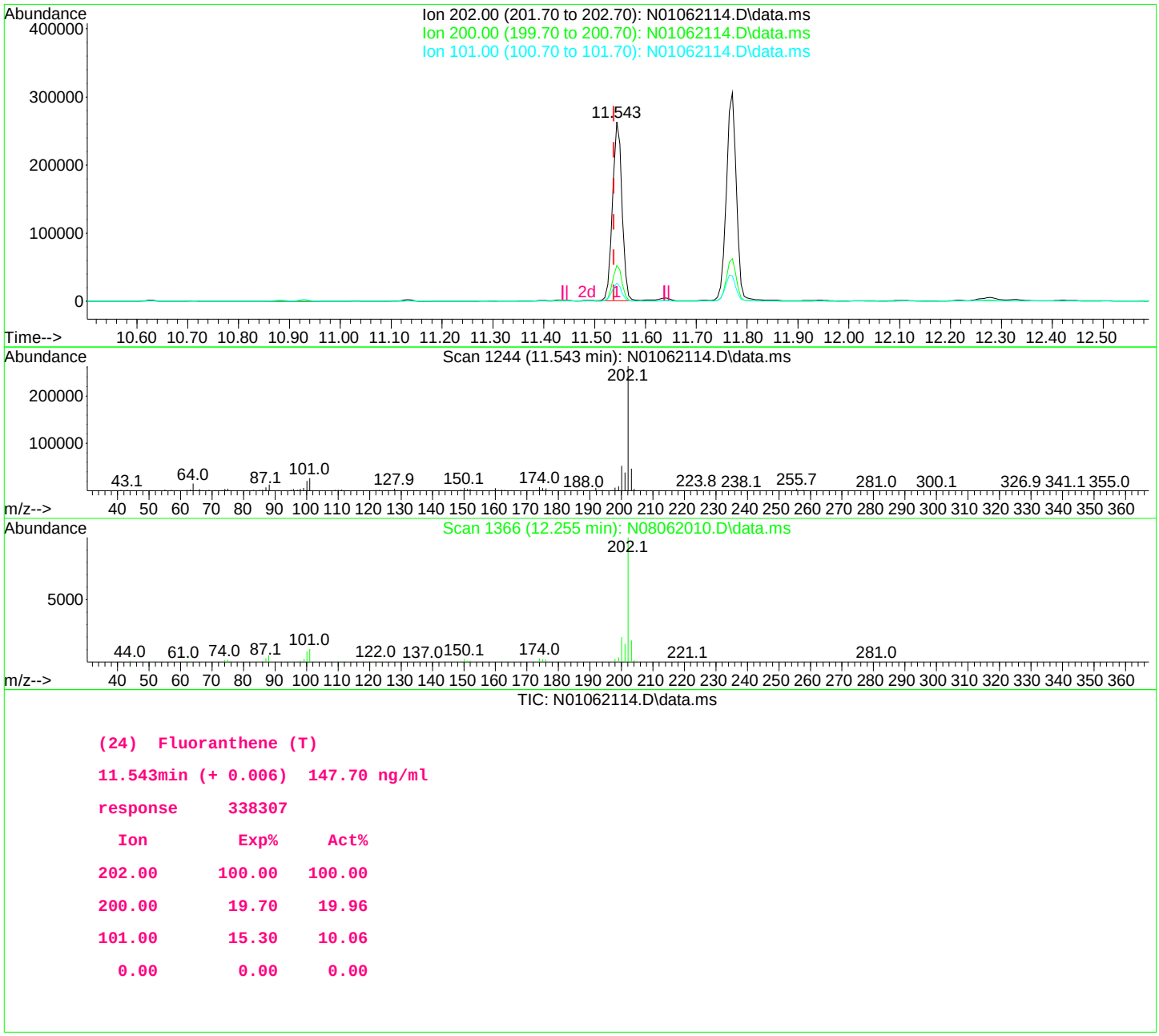
response 28365

Ion	Exp%	Act%
178.00	100.00	100.00
176.00	18.90	17.34
179.00	15.30	17.49
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062114.D
Acq On : 06 Jan 2021 03:20 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-18
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 06 15:45:48 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01062114.D\data.ms

(24) Fluoranthene (T)

11.543min (+ 0.006) 147.70 ng/ml

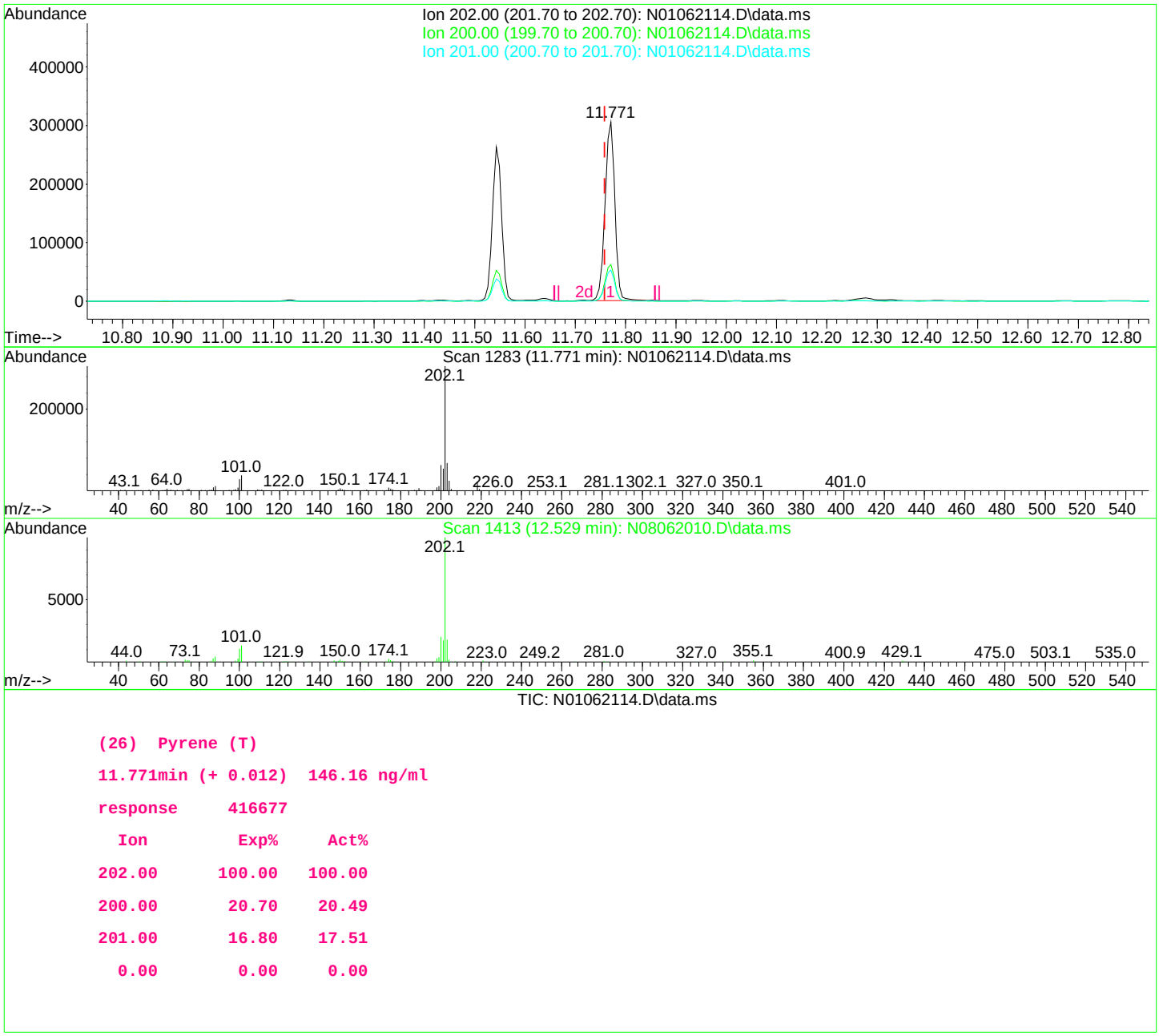
response 338307

Ion	Exp%	Act%
202.00	100.00	100.00
200.00	19.70	19.96
101.00	15.30	10.06
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062114.D
Acq On : 06 Jan 2021 03:20 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-18
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 06 15:45:48 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01062114.D\data.ms

(26) Pyrene (T)

11.771min (+ 0.012) 146.16 ng/ml

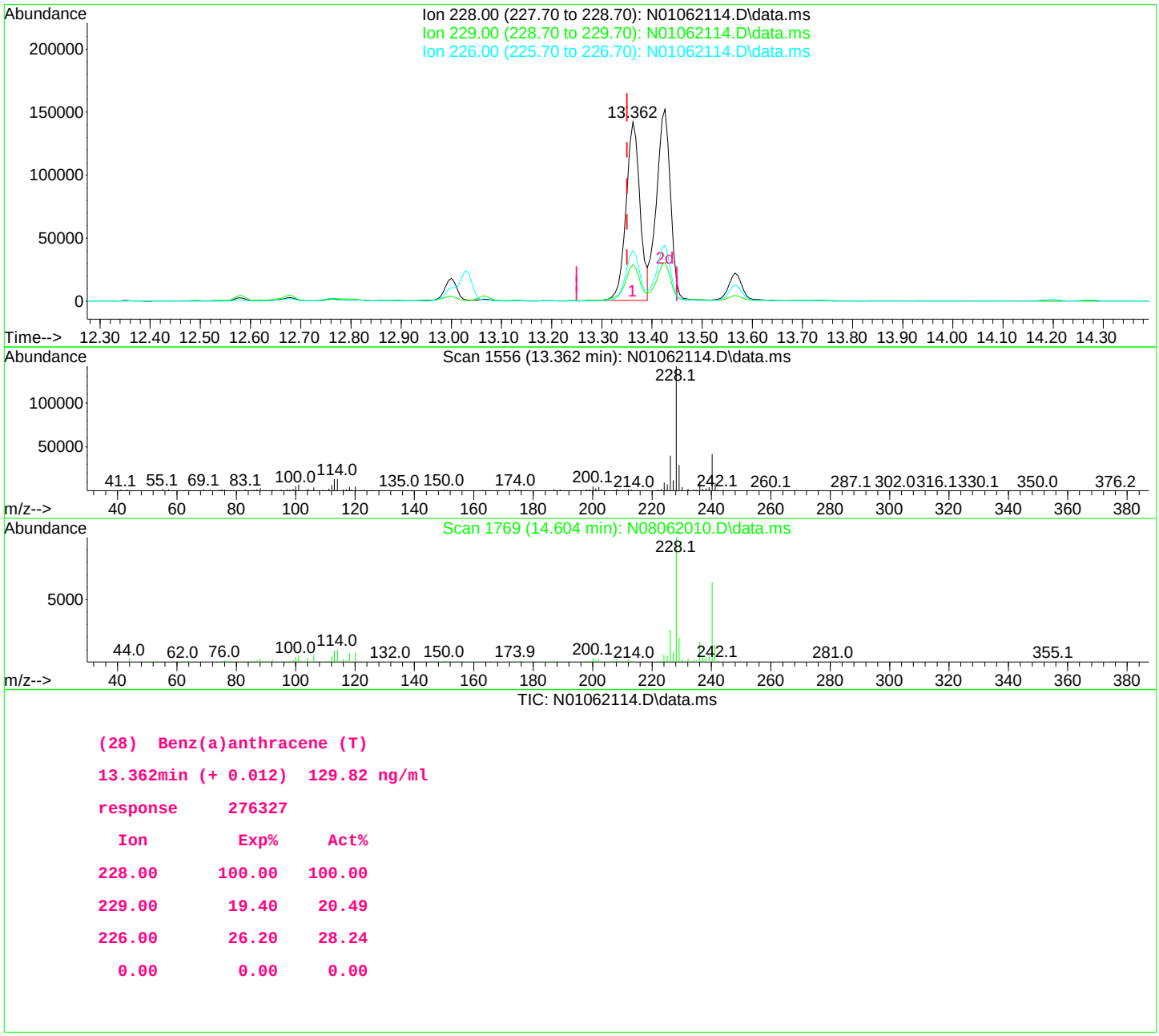
response 416677

Ion	Exp%	Act%
202.00	100.00	100.00
200.00	20.70	20.49
201.00	16.80	17.51
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062114.D
Acq On : 06 Jan 2021 03:20 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-18
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 06 15:45:48 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01062114.D\data.ms

(28) Benz(a)anthracene (T)

13.362min (+ 0.012) 129.82 ng/ml

response 276327

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.40	20.49
226.00	26.20	28.24
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062114.D
Acq On : 06 Jan 2021 03:20 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-18
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 06 15:45:48 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

(29) Chrysene (T)

13.426min (+ 0.018) 132.01 ng/ml

response 290336

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.60	20.15
226.00	28.60	29.08
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062114.D
Acq On : 06 Jan 2021 03:20 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-18
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 06 15:45:48 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

TIC: N01062114.D\data.ms

(31) Benzo(b)fluoranthene (T)

15.728min (+ 0.023) 111.65 ng/ml

response 255329

Ion	Exp%	Act%
252.00	100.00	100.00
126.00	20.00	11.23
253.00	21.10	22.72
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062114.D
Acq On : 06 Jan 2021 03:20 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-18
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 06 15:45:48 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

TIC: N01062114.D\data.ms

(32) Benzo(k)fluoranthene (T)

15.781min (+ 0.018) 41.12 ng/ml m

response 88706

Ion	Exp%	Act%
252.00	100.00	100.00
125.90	22.10	12.69
253.00	21.50	21.88
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062114.D
Acq On : 06 Jan 2021 03:20 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-18
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 06 15:45:48 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

(35) Benzo(a)pyrene (T)

16.463min (+ 0.017) 102.30 ng/ml

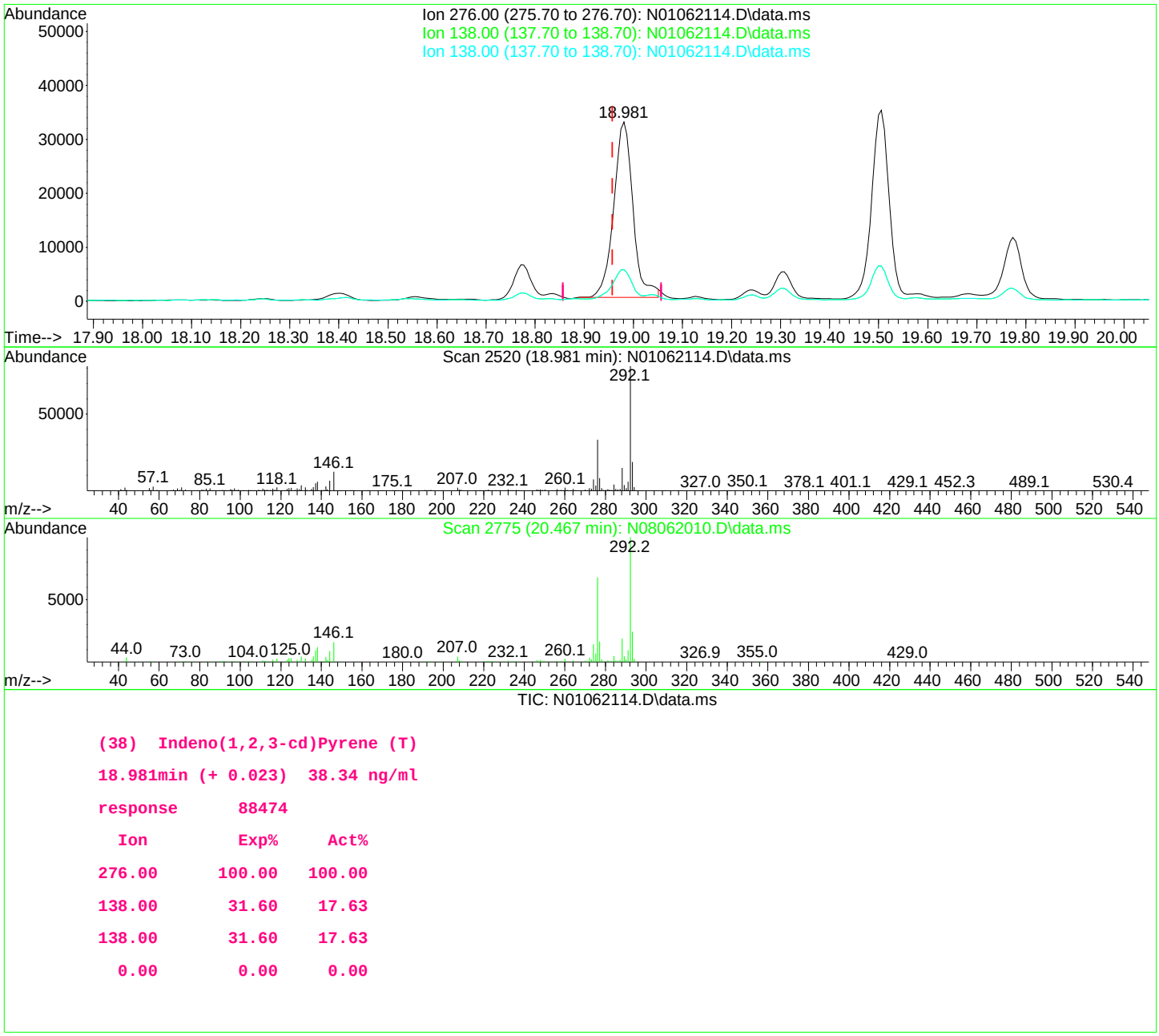
response 169614

Ion	Exp%	Act%
252.00	100.00	100.00
112.90	12.70	8.72
253.00	21.90	22.31
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062114.D
Acq On : 06 Jan 2021 03:20 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-18
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 06 15:45:48 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01062114.D\data.ms

(38) Indeno(1,2,3-cd)Pyrene (T)

18.981min (+ 0.023) 38.34 ng/ml

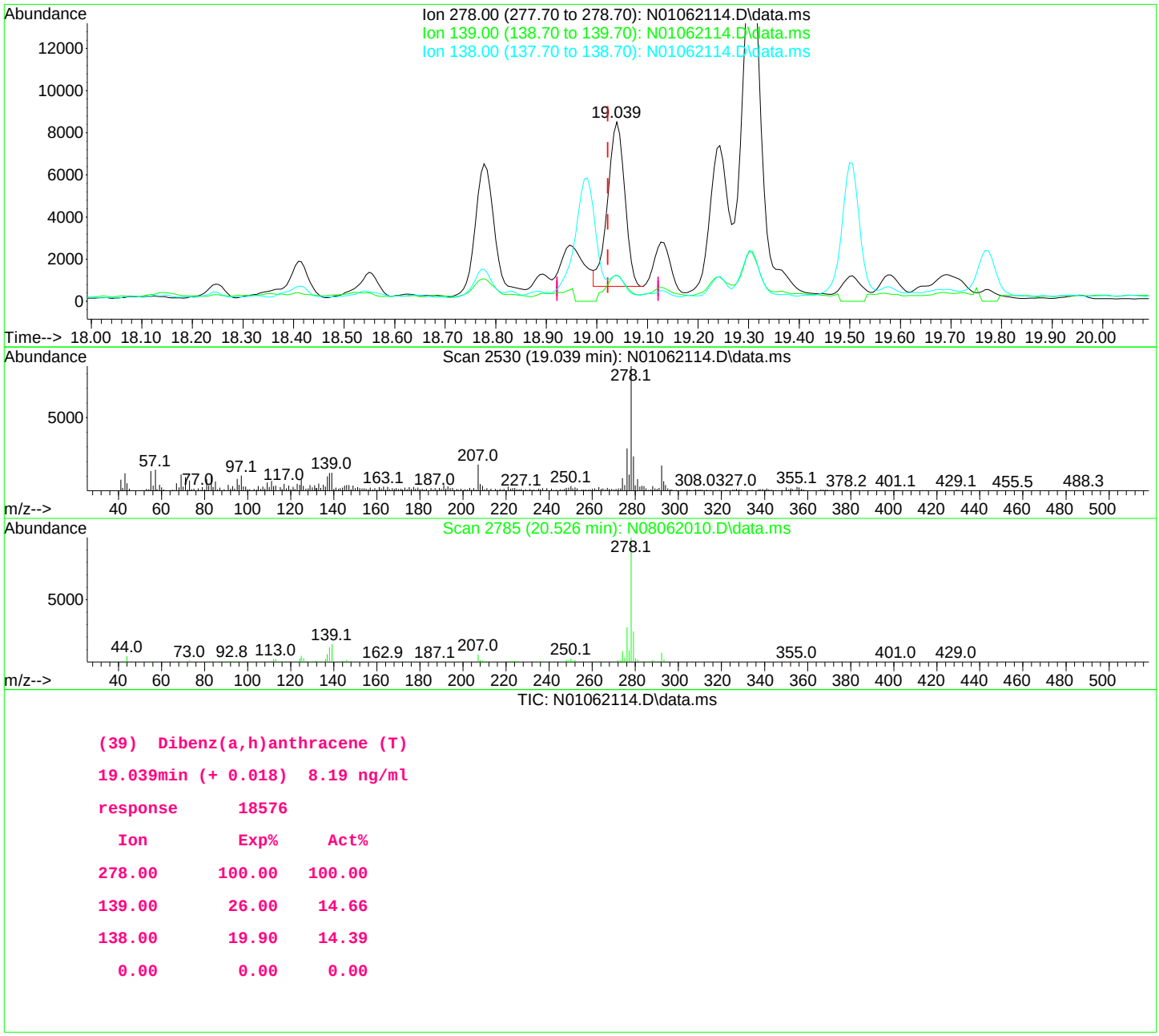
response 88474

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	31.60	17.63
138.00	31.60	17.63
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062114.D
Acq On : 06 Jan 2021 03:20 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-18
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 06 15:45:48 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01062114.D\data.ms

(39) Dibenz(a,h)anthracene (T)

19.039min (+ 0.018) 8.19 ng/ml

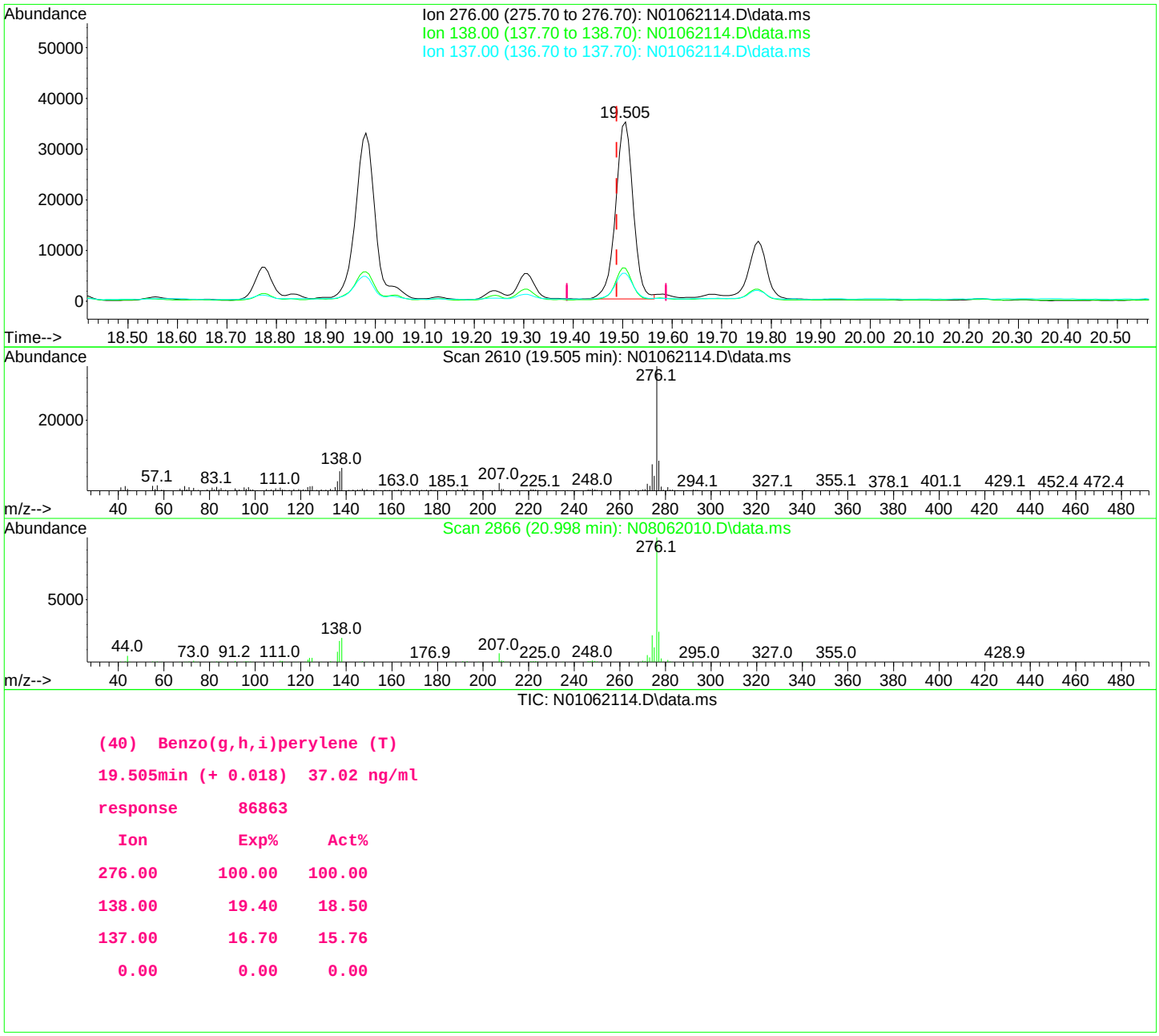
response 18576

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	26.00	14.66
138.00	19.90	14.39
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062114.D
Acq On : 06 Jan 2021 03:20 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-18
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jan 06 15:45:48 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01062114.D\data.ms

(40) Benzo(g,h,i)perylene (T)

19.505min (+ 0.018) 37.02 ng/ml

response 86863

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	19.40	18.50
137.00	16.70	15.76
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

DTH 1/6/21

Data Path : U:\data\2021-01\1A06048\
Data File : N01062115.D
Acq On : 06 Jan 2021 03:52 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-19
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 06 17:16:16 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.090	136	175532	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	8.827	162	104485	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.314	188	192115	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	13.380	240	195701	100.00	ng/ml	0.01
30) Perylene-d12 (ISTD)	16.609	264	208622	100.00	ng/ml	0.02
37) Dibenz(a,h)Anthrcene-d...	18.981	292	193533	100.00	ng/ml	0.02
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	6.414	82	39105	79.53	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.157	172	132934	88.98	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	9.626	330	34281	139.55	ng/ml	0.00
27) Terphenyl-d14 (Surr)	11.946	244	179193	95.23	ng/ml	0.01
Target Compounds						Qvalue
3) Decalin	6.554	138	180	1.73	ng/ml#	12
4) Naphthalene	7.108	128	2839	1.57	ng/ml	84
5) 2-Methylnaphthalene	7.790	142	1026	0.78	ng/ml	93
6) 1-Methylnaphthalene	7.889	142	897	0.68	ng/ml	84
7) 1,1'-Biphenyl	8.256	154	1274	0.76	ng/ml#	57
8) 2,6-Dimethylnaphthalene	8.414	156	1750	1.43	ng/ml	98
11) Acenaphthylene	8.682	152	837	0.48	ng/ml	53
12) Acenaphthene	8.856	153	3939	3.08	ng/ml	98
13) Dibenzofuran	9.031	168	745	0.46	ng/ml#	1
14) 1,6,7-Trimethylnaphtha...	9.259	170	410	N.D.		
15) Fluorene	9.375	166	775	0.59	ng/ml	78
18) Pentachlorophenol (PCP)	10.156	266	521	14.39	ng/ml	91
19) Dibenzothiopene	10.209	184	1075	0.58	ng/ml	47
20) Phenanthrene	10.337	178	9121	4.39	ng/ml	95
21) Anthracene	10.389	178	608	N.D.		
22) Carbazole	10.570	167	364	N.D.		
23) 1-Methylphenanthrene	10.961	192	3108	2.08	ng/ml#	57
24) Fluoranthene	11.543	202	6094	2.83	ng/ml	94
26) Pyrene	11.765	202	10681	4.08	ng/ml	97
28) Benz(a)anthracene	13.362	228	2509	1.28	ng/ml	66
29) Chrysene	13.420	228	3025	1.50	ng/ml	86
31) Benzo(b)fluoranthene	15.728	252	4033	1.91	ng/ml	71
32) Benzo(k)fluoranthene	15.775	252	1149m	0.58	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062115.D
Acq On : 06 Jan 2021 03:52 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-19
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 06 17:16:16 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

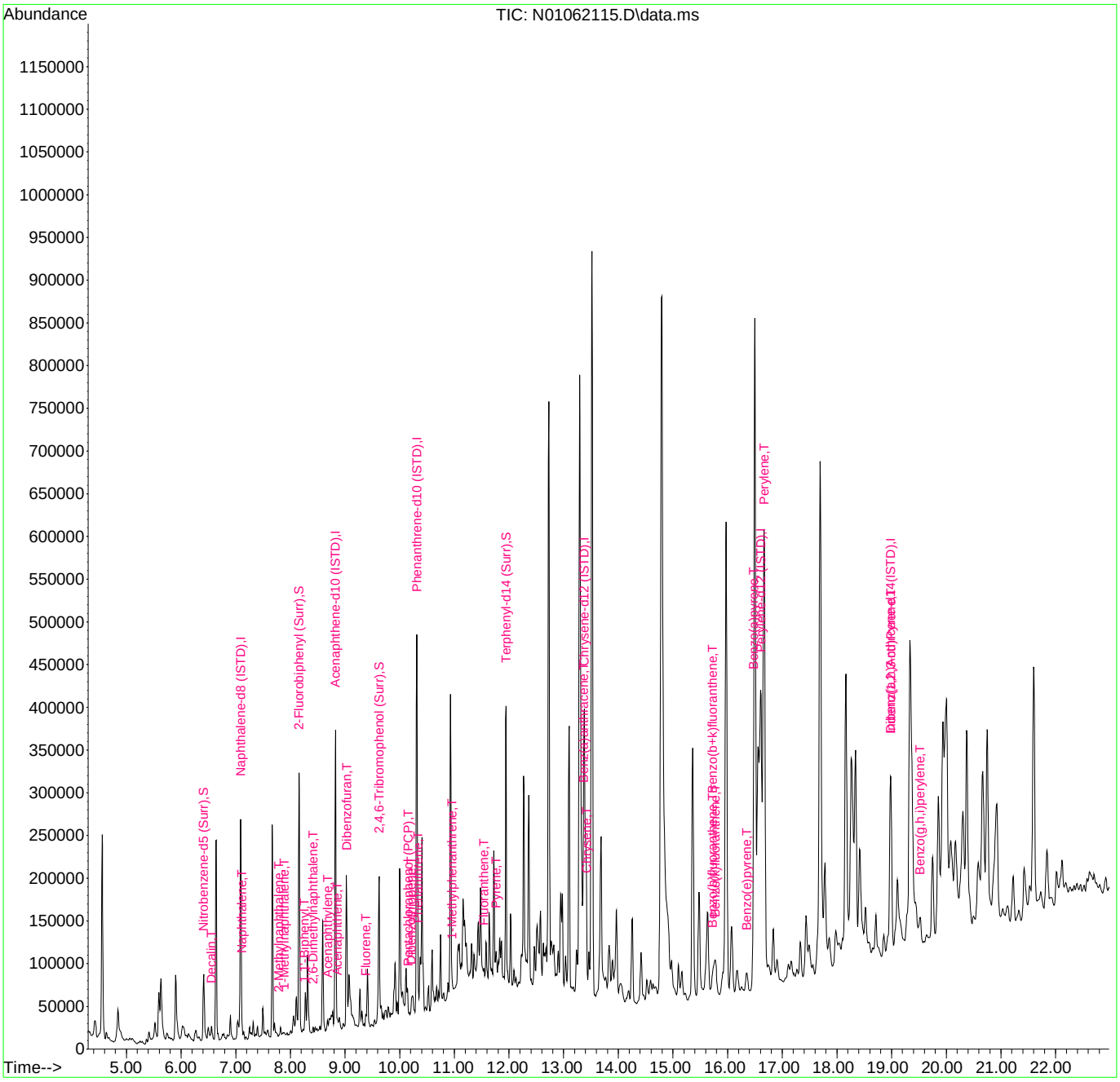
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	15.728	252	4960	2.30	ng/ml	73
34) Benzo(e)pyrene	16.352	252	2504	1.19	ng/ml	83
35) Benzo(a)pyrene	16.474	252	5072	3.31	ng/ml#	MDL=1MRL
36) Perylene	16.673	252	441764	193.99	ng/ml	100
38) Indeno(1,2,3-cd)Pyrene	18.987	276	2538	1.22	ng/ml	62
39) Dibenz(a,h)anthracene	19.057	278	300	N.D.		
40) Benzo(g,h,i)perylene	19.517	276	2971	1.40	ng/ml#	20

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062115.D
Acq On : 06 Jan 2021 03:52 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-19
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 06 17:16:16 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062115.D
Acq On : 06 Jan 2021 03:52 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-19
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 06 17:14:18 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.090	136	175532	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	8.827	162	104485	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.314	188	192115	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	13.380	240	195701	100.00	ng/ml	0.01
30) Perylene-d12 (ISTD)	16.609	264	208622	100.00	ng/ml	0.02
37) Dibenz(a,h)Anthrcene-d...	18.981	292	193533	100.00	ng/ml	0.02
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	6.414	82	39105	79.53	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.157	172	132934	88.98	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	9.626	330	34281	139.55	ng/ml	0.00
27) Terphenyl-d14 (Surr)	11.946	244	179193	95.23	ng/ml	0.01
Target Compounds						Qvalue
3) Decalin	6.554	138	180	1.73	ng/ml#	12
4) Naphthalene	7.108	128	2839	1.57	ng/ml	84
5) 2-Methylnaphthalene	7.790	142	1026	0.78	ng/ml	93
6) 1-Methylnaphthalene	7.889	142	897	0.68	ng/ml	84
7) 1,1'-Biphenyl	8.256	154	1274	0.76	ng/ml#	57
8) 2,6-Dimethylnaphthalene	8.414	156	1750	1.43	ng/ml	98
11) Acenaphthylene	8.682	152	837	0.48	ng/ml	53
12) Acenaphthene	8.856	153	3939	3.08	ng/ml	98
13) Dibenzofuran	9.031	168	745	0.46	ng/ml#	1
14) 1,6,7-Trimethylnaphtha...	9.259	170	410	N.D.		
15) Fluorene	9.375	166	775	0.59	ng/ml	78
18) Pentachlorophenol (PCP)	10.156	266	521	14.39	ng/ml	91
19) Dibenzothiopene	10.209	184	1075	0.58	ng/ml	47
20) Phenanthrene	10.337	178	9121	4.39	ng/ml	95
21) Anthracene	10.389	178	608	N.D.		
22) Carbazole	10.570	167	364	N.D.		
23) 1-Methylphenanthrene	10.961	192	3108	2.08	ng/ml#	57
24) Fluoranthene	11.543	202	6094	2.83	ng/ml	94
26) Pyrene	11.765	202	10681	4.08	ng/ml	97
28) Benz(a)anthracene	13.362	228	2509	1.28	ng/ml	66
29) Chrysene	13.420	228	3025	1.50	ng/ml	86
31) Benzo(b)fluoranthene	15.728	252	4033	1.91	ng/ml	71
32) Benzo(k)fluoranthene	15.728	252	4566	2.29	ng/ml	73

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062115.D
Acq On : 06 Jan 2021 03:52 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-19
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 06 17:14:18 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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34) Benzo(e)pyrene	16.352	252	2504	1.19	ng/ml	83
35) Benzo(a)pyrene	16.474	252	5072	3.31	ng/ml#	1
36) Perylene	16.673	252	441764	193.99	ng/ml	100
38) Indeno(1,2,3-cd)Pyrene	18.987	276	2538	1.22	ng/ml	62
39) Dibenz(a,h)anthracene	19.057	278	300	N.D.		
40) Benzo(g,h,i)perylene	19.517	276	2971	1.40	ng/ml#	20

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

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Operator : JK/ AMS/ DTH
Sample : A0K0482-19
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Quant Time: Jan 06 17:14:18 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
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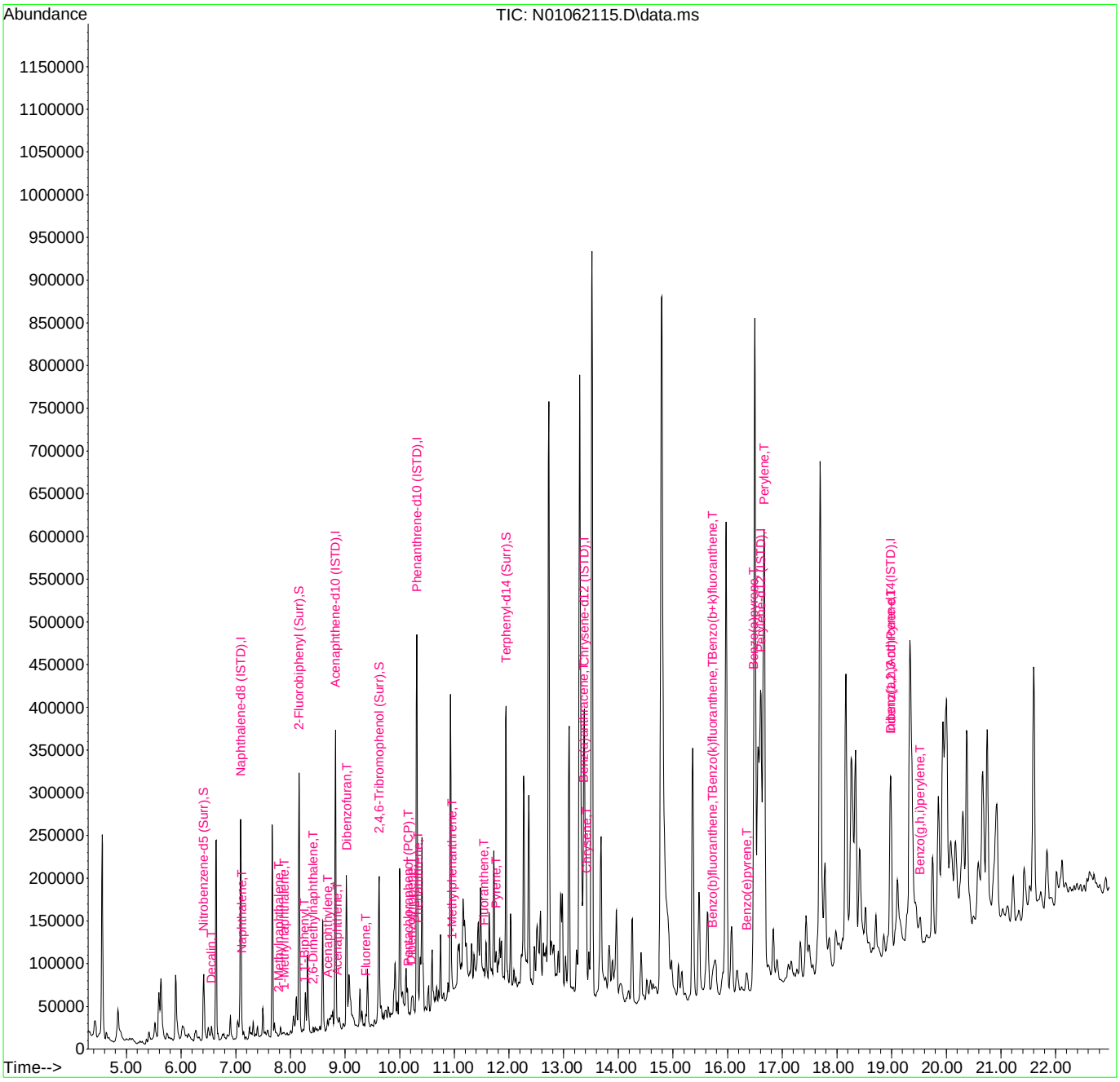
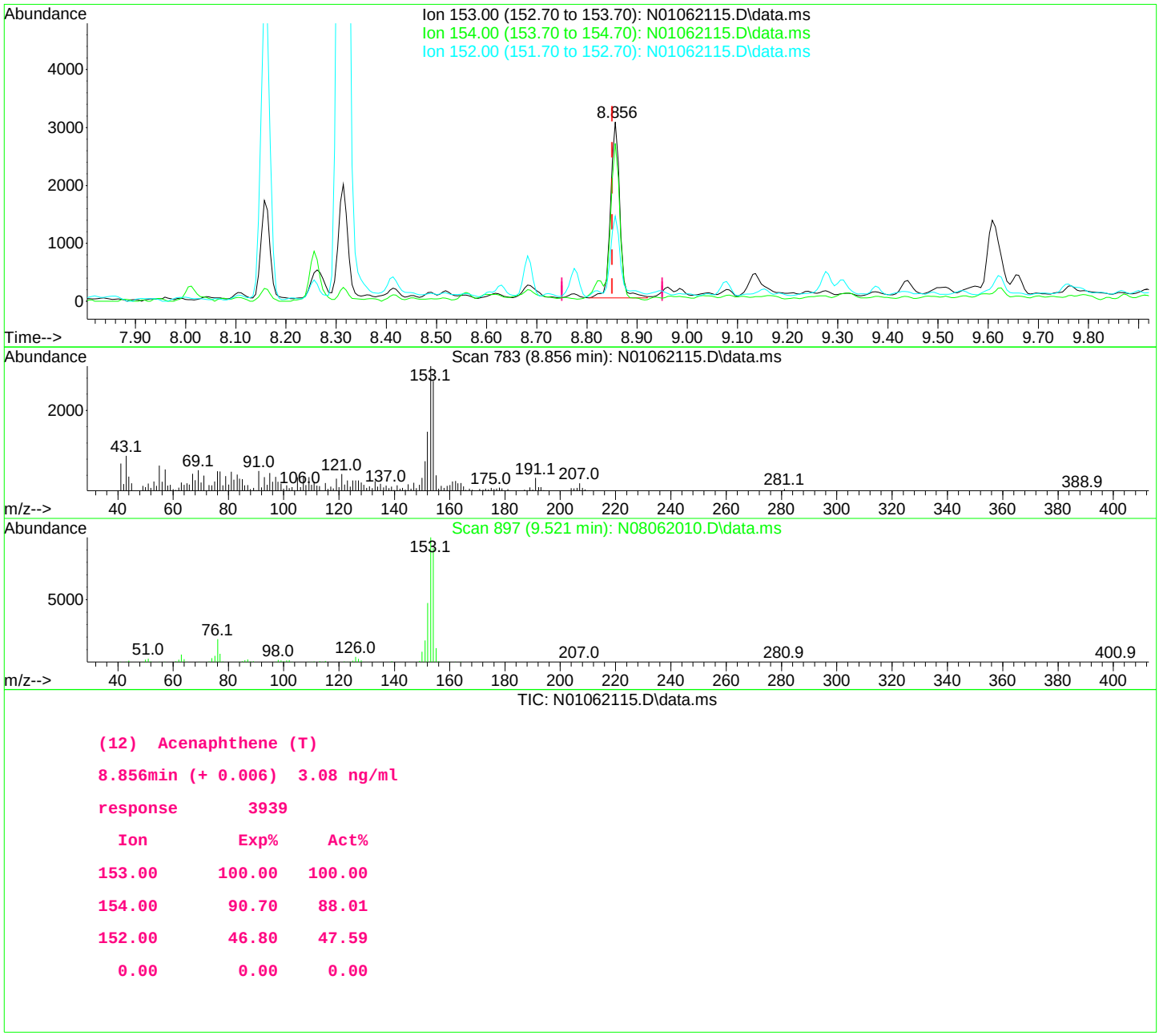


Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062115.D
Acq On : 06 Jan 2021 03:52 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-19
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 06 17:14:18 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01062115.D\data.ms

(12) Acenaphthene (T)

8.856min (+ 0.006) 3.08 ng/ml

response 3939

Ion	Exp%	Act%
153.00	100.00	100.00
154.00	90.70	88.01
152.00	46.80	47.59
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062115.D
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Operator : JK/ AMS/ DTH
Sample : A0K0482-19
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 06 17:14:18 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
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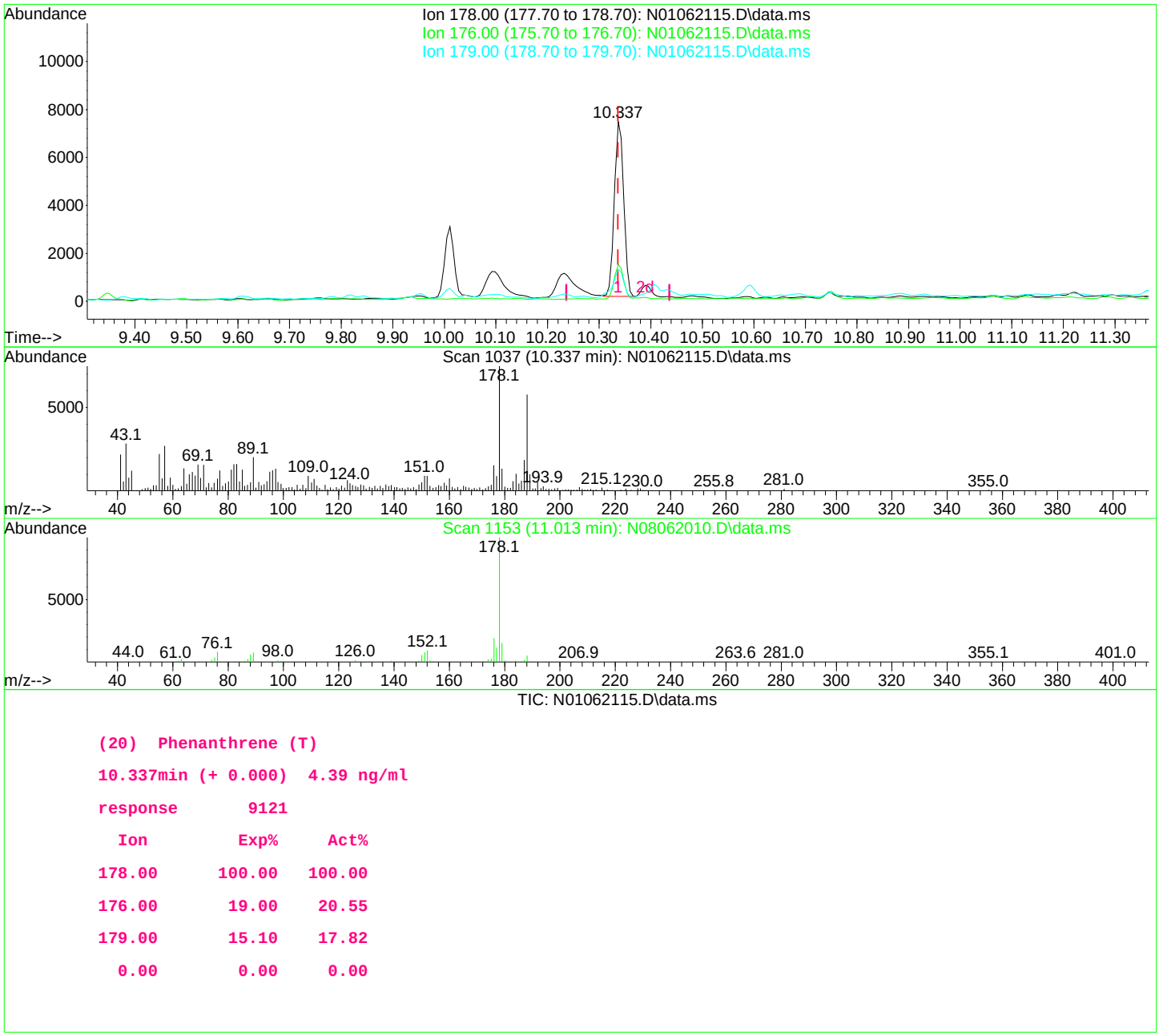

TIC: N01062115.D\data.ms

(20) Phenanthrene (T)

10.337min (+ 0.000) 4.39 ng/ml

response 9121

Ion	Exp%	Act%
178.00	100.00	100.00
176.00	19.00	20.55
179.00	15.10	17.82
0.00	0.00	0.00

Quantitation Report (Qedit)

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Data File : N01062115.D
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Operator : JK/ AMS/ DTH
Sample : A0K0482-19
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 06 17:14:18 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
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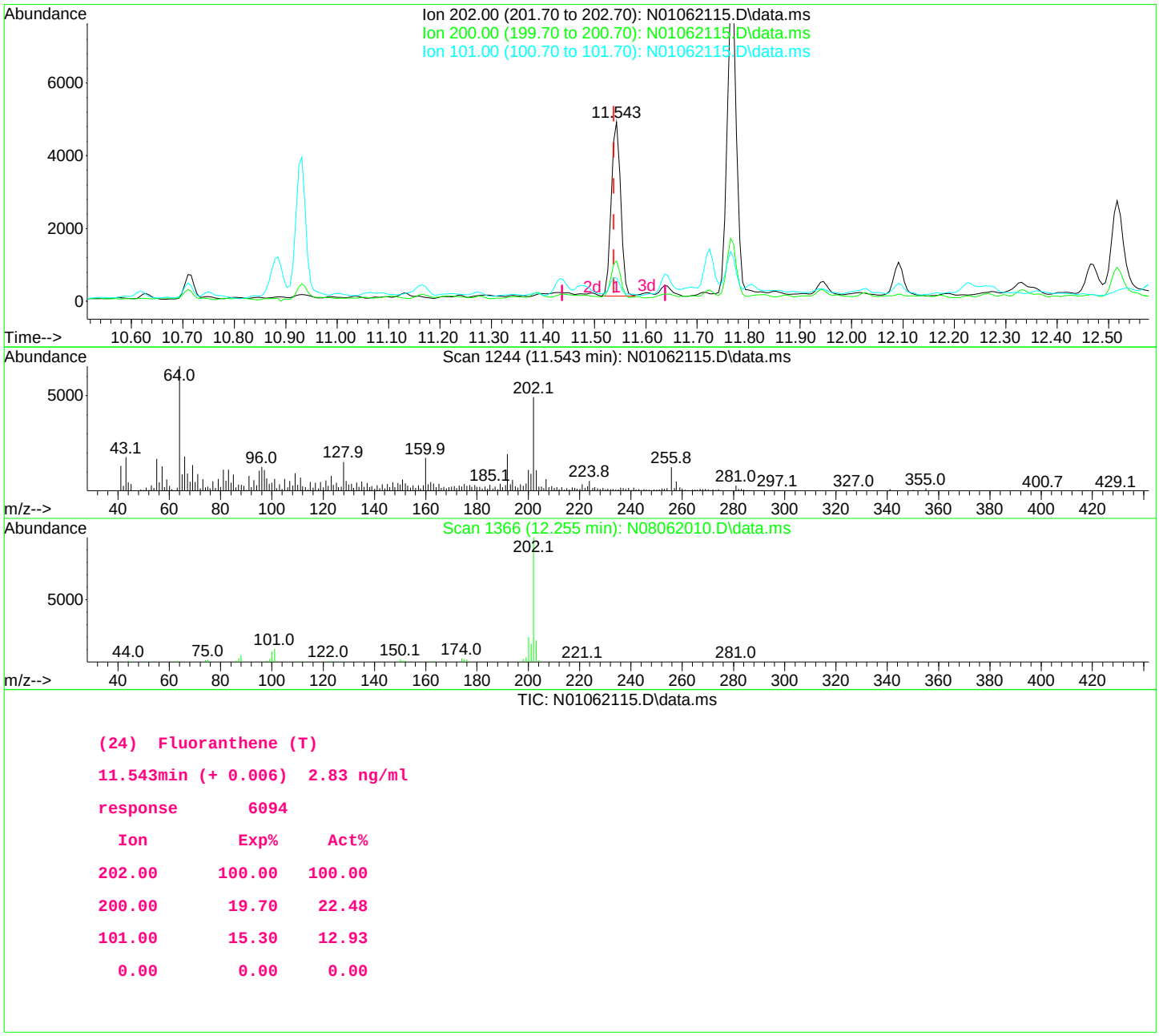

TIC: N01062115.D\data.ms

(24) Fluoranthene (T)

11.543min (+ 0.006) 2.83 ng/ml

response 6094

Ion	Exp%	Act%
202.00	100.00	100.00
200.00	19.70	22.48
101.00	15.30	12.93
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062115.D
Acq On : 06 Jan 2021 03:52 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-19
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Quant Time: Jan 06 17:14:18 2021
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Quant Title : EPA 8270D: Semivolatile Organics
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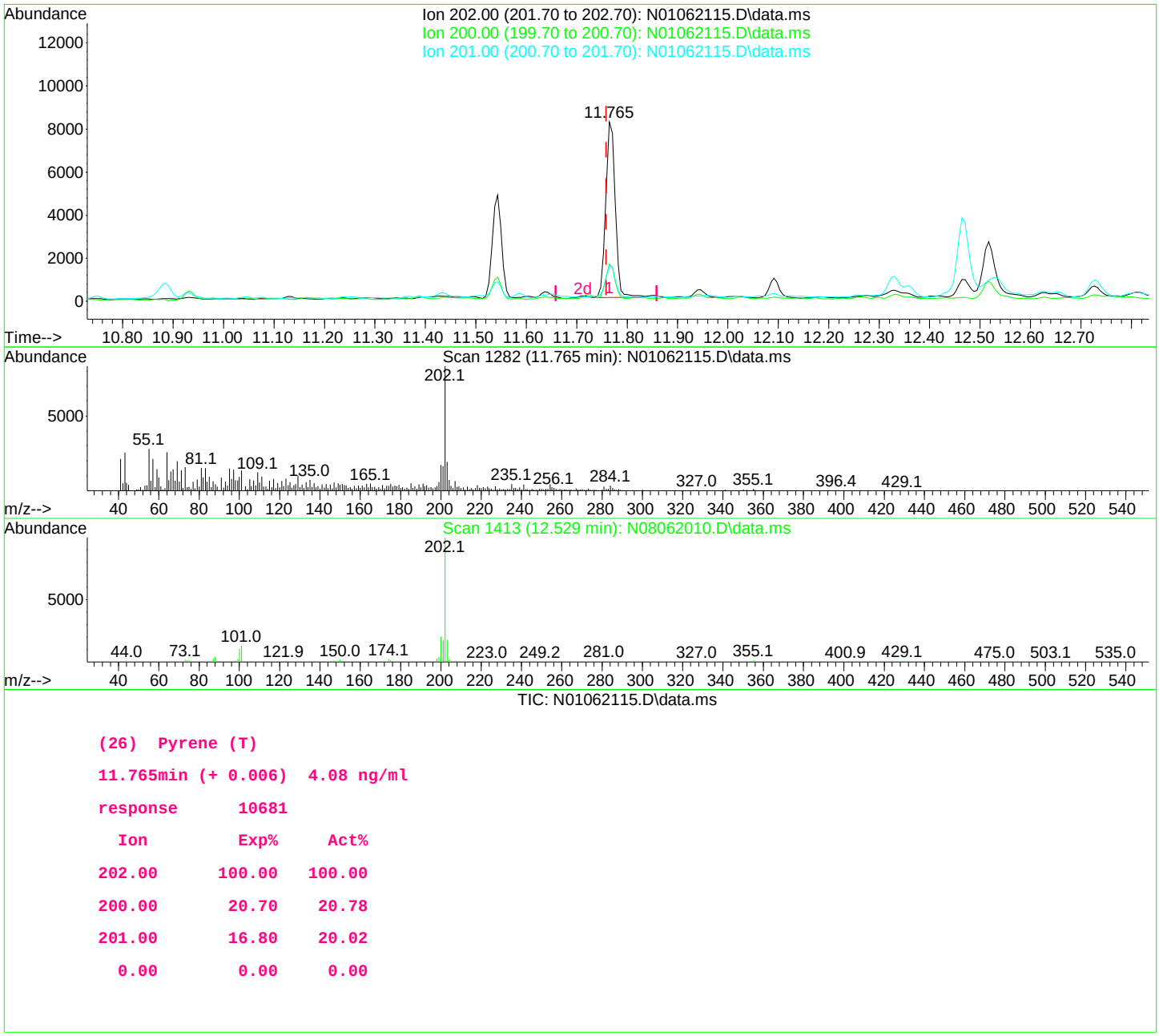

TIC: N01062115.D\data.ms

(26) Pyrene (T)

11.765min (+ 0.006) 4.08 ng/ml

response 10681

Ion	Exp%	Act%
202.00	100.00	100.00
200.00	20.70	20.78
201.00	16.80	20.02
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062115.D
Acq On : 06 Jan 2021 03:52 pm
Operator : JK/ AMS/ DTH
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ALS Vial : 8 Sample Multiplier: 1

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Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
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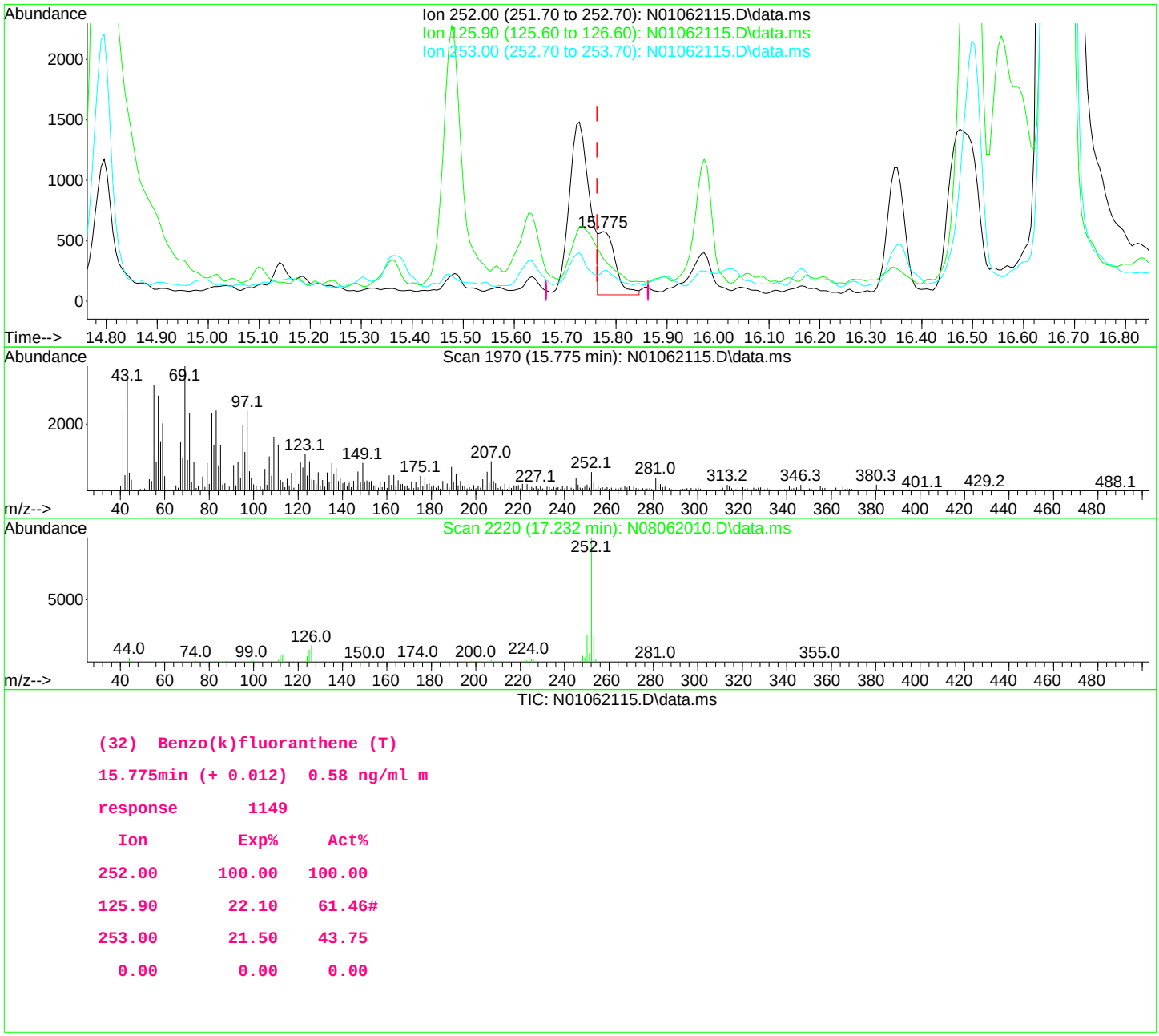

(32) Benzo(k)fluoranthene (T)

15.775min (+ 0.012) 0.58 ng/ml m

response 1149

Ion	Exp%	Act%
252.00	100.00	100.00
125.90	22.10	61.46#
253.00	21.50	43.75
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062115.D
Acq On : 06 Jan 2021 03:52 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-19
Misc : 1x, 8270E LL PAH/PCP ONLY
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 06 17:14:18 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
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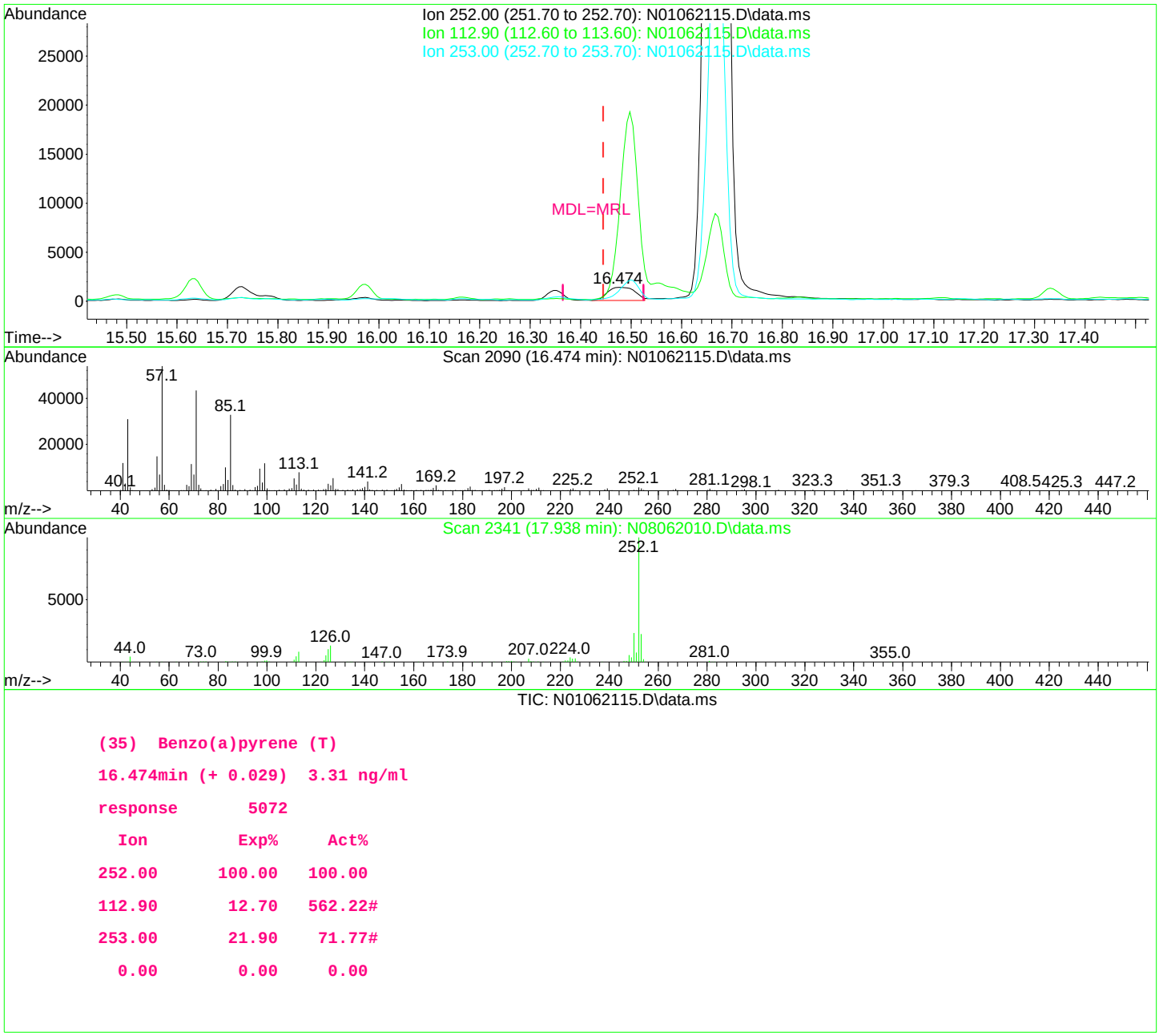

TIC: N01062115.D\data.ms

(35) Benzo(a)pyrene (T)

16.474min (+ 0.029) 3.31 ng/ml

response 5072

Ion	Exp%	Act%
252.00	100.00	100.00
112.90	12.70	562.22#
253.00	21.90	71.77#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

DTH 1/6/21

Data Path : U:\data\2021-01\1A06048\
Data File : N01062116.D
Acq On : 06 Jan 2021 04:25 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-02
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 06 17:21:41 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.090	136	158475	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	8.827	162	99274	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.319	188	175008	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	13.374	240	151522	100.00	ng/ml	0.00
30) Perylene-d12 (ISTD)	16.597	264	154799	100.00	ng/ml	0.01
37) Dibenz(a,h)Anthrcene-d...	18.975	292	134028	100.00	ng/ml	0.02
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	6.420	82	32586	73.40	ng/ml	0.01
10) 2-Fluorobiphenyl (Surr)	8.157	172	119462	84.16	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	9.626	330	28432	127.56	ng/ml	0.00
27) Terphenyl-d14 (Surr)	11.940	244	147121	100.99	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	0.000		0	N.D.		
4) Naphthalene	7.114	128	3662	2.24	ng/ml	87
5) 2-Methylnaphthalene	7.790	142	882	0.75	ng/ml	86
6) 1-Methylnaphthalene	7.889	142	576	0.49	ng/ml	73
7) 1,1'-Biphenyl	8.256	154	1474	0.98	ng/ml	90
8) 2,6-Dimethylnaphthalene	8.419	156	450	0.41	ng/ml	76
11) Acenaphthylene	8.682	152	3053	1.83	ng/ml	89
12) Acenaphthene	8.856	153	4233	3.48	ng/ml	99
13) Dibenzofuran	9.031	168	435	N.D.		
14) 1,6,7-Trimethylnaphtha...	9.253	170	370	N.D.		
15) Fluorene	9.375	166	1058	0.85	ng/ml	84
18) Pentachlorophenol (PCP)	10.156	266	287	12.25	ng/ml	92
19) Dibenzothiopene	10.209	184	2577	1.52	ng/ml	92
20) Phenanthrene	10.337	178	18246	9.63	ng/ml	99
21) Anthracene	10.389	178	1677	1.08	ng/ml	91
22) Carbazole	10.570	167	329	N.D.		
23) 1-Methylphenanthrene	10.961	192	1889	1.39	ng/ml	99
24) Fluoranthene	11.543	202	15321	7.80	ng/ml	94
26) Pyrene	11.765	202	22628	11.15	ng/ml	99
28) Benz(a)anthracene	13.356	228	4838	3.19	ng/ml#	44
29) Chrysene	13.420	228	5150	3.29	ng/ml	93
31) Benzo(b)fluoranthene	15.723	252	9511	6.06	ng/ml	91
32) Benzo(k)fluoranthene	15.781	252	2745m	1.85	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062116.D
Acq On : 06 Jan 2021 04:25 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-02
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 06 17:21:41 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	15.723	252	12386	7.75	ng/ml	89
34) Benzo(e)pyrene	16.346	252	6815	4.37	ng/ml	98
35) Benzo(a)pyrene	16.463	252	9232	8.11	ng/ml	89
36) Perylene	16.655	252	47925	28.36	ng/ml	99
38) Indeno(1,2,3-cd)Pyrene	18.981	276	8820	6.11	ng/ml	86
39) Dibenz(a,h)anthracene	19.039	278	1119	0.79	ng/ml	75
40) Benzo(g,h,i)perylene	19.505	276	11166	7.61	ng/ml	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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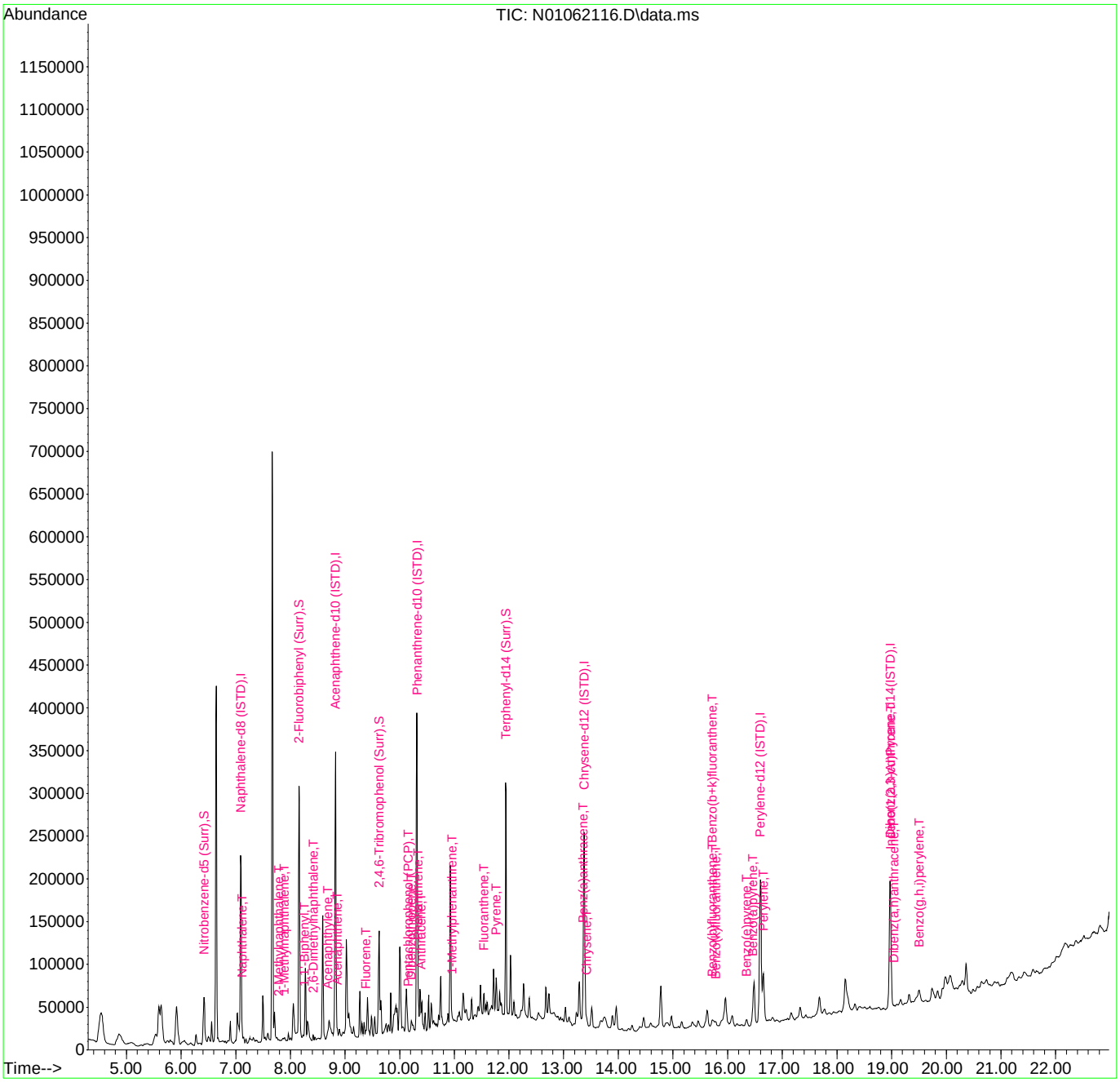

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062116.D
Acq On : 06 Jan 2021 04:25 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-02
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 06 17:20:06 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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9) Acenaphthene-d10 (ISTD)	8.827	162	99274	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.319	188	175008	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	13.374	240	151522	100.00	ng/ml	0.00
30) Perylene-d12 (ISTD)	16.597	264	154799	100.00	ng/ml	0.01
37) Dibenz(a,h)Anthrcene-d...	18.975	292	134028	100.00	ng/ml	0.02
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	6.420	82	32586	73.40	ng/ml	0.01
10) 2-Fluorobiphenyl (Surr)	8.157	172	119462	84.16	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	9.626	330	28432	127.56	ng/ml	0.00
27) Terphenyl-d14 (Surr)	11.940	244	147121	100.99	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	0.000		0	N.D.		
4) Naphthalene	7.114	128	3662	2.24	ng/ml	87
5) 2-Methylnaphthalene	7.790	142	882	0.75	ng/ml	86
6) 1-Methylnaphthalene	7.889	142	576	0.49	ng/ml	73
7) 1,1'-Biphenyl	8.256	154	1474	0.98	ng/ml	90
8) 2,6-Dimethylnaphthalene	8.419	156	450	0.41	ng/ml	76
11) Acenaphthylene	8.682	152	3053	1.83	ng/ml	89
12) Acenaphthene	8.856	153	4233	3.48	ng/ml	99
13) Dibenzofuran	9.031	168	435	N.D.		
14) 1,6,7-Trimethylnaphtha...	9.253	170	370	N.D.		
15) Fluorene	9.375	166	1058	0.85	ng/ml	84
18) Pentachlorophenol (PCP)	10.156	266	287	12.25	ng/ml	92
19) Dibenzothiopene	10.209	184	2577	1.52	ng/ml	92
20) Phenanthrene	10.337	178	18246	9.63	ng/ml	99
21) Anthracene	10.389	178	1677	1.08	ng/ml	91
22) Carbazole	10.570	167	329	N.D.		
23) 1-Methylphenanthrene	10.961	192	1889	1.39	ng/ml	99
24) Fluoranthene	11.543	202	15321	7.80	ng/ml	94
26) Pyrene	11.765	202	22628	11.15	ng/ml	99
28) Benz(a)anthracene	13.356	228	4838	3.19	ng/ml#	44
29) Chrysene	13.420	228	5150	3.29	ng/ml	93
31) Benzo(b)fluoranthene	15.723	252	9511	6.06	ng/ml	91
32) Benzo(k)fluoranthene	15.723	252	11970	8.08	ng/ml	89

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062116.D
Acq On : 06 Jan 2021 04:25 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-02
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 06 17:20:06 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

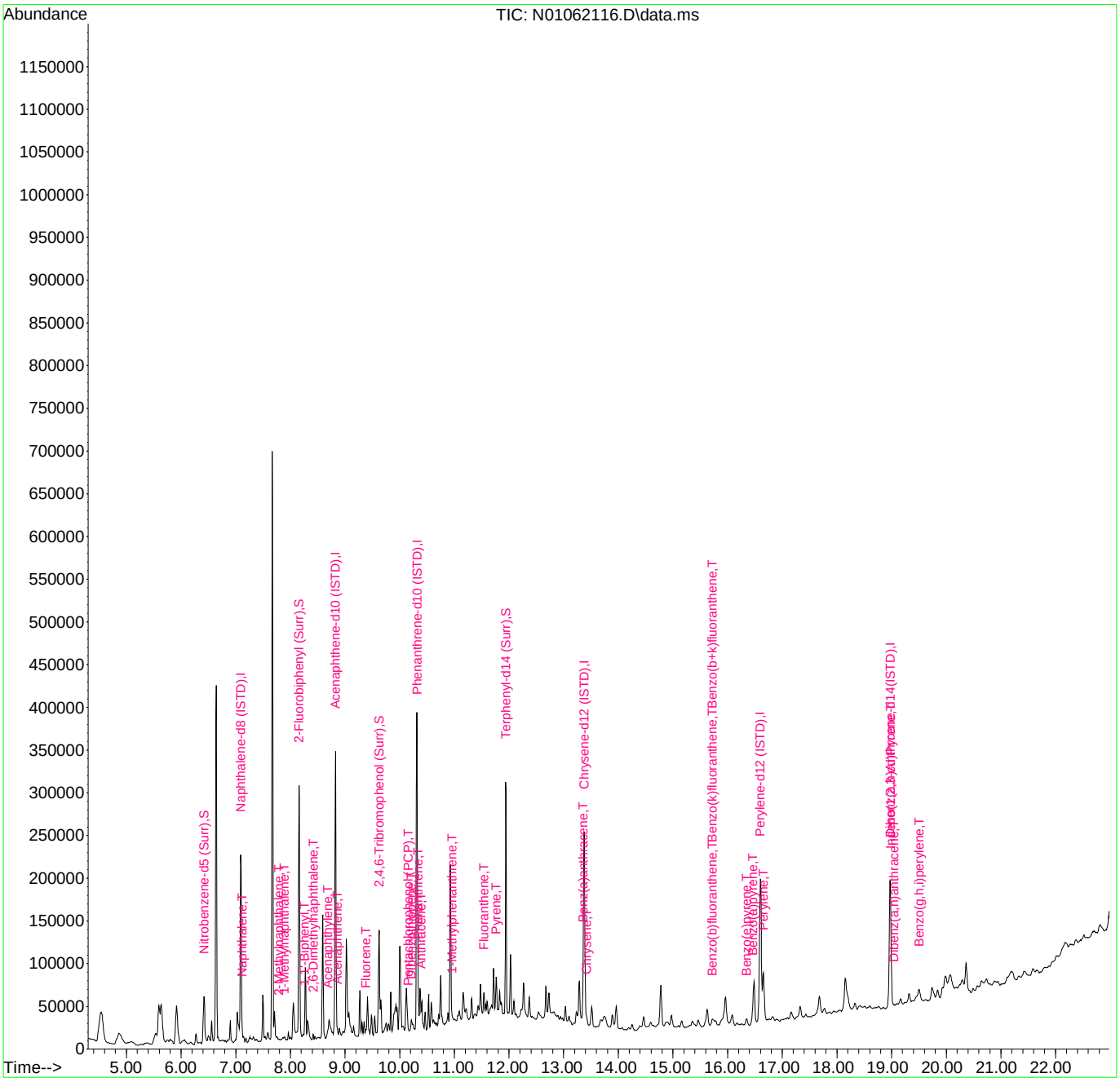
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	15.723	252	12386	7.75	ng/ml	89
34) Benzo(e)pyrene	16.346	252	6815	4.37	ng/ml	98
35) Benzo(a)pyrene	16.463	252	9232	8.11	ng/ml	89
36) Perylene	16.655	252	47925	28.36	ng/ml	99
38) Indeno(1,2,3-cd)Pyrene	18.981	276	8820	6.11	ng/ml	86
39) Dibenz(a,h)anthracene	19.039	278	1119	0.79	ng/ml	75
40) Benzo(g,h,i)perylene	19.505	276	11166	7.61	ng/ml	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062116.D
Acq On : 06 Jan 2021 04:25 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-02
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 9 Sample Multiplier: 1

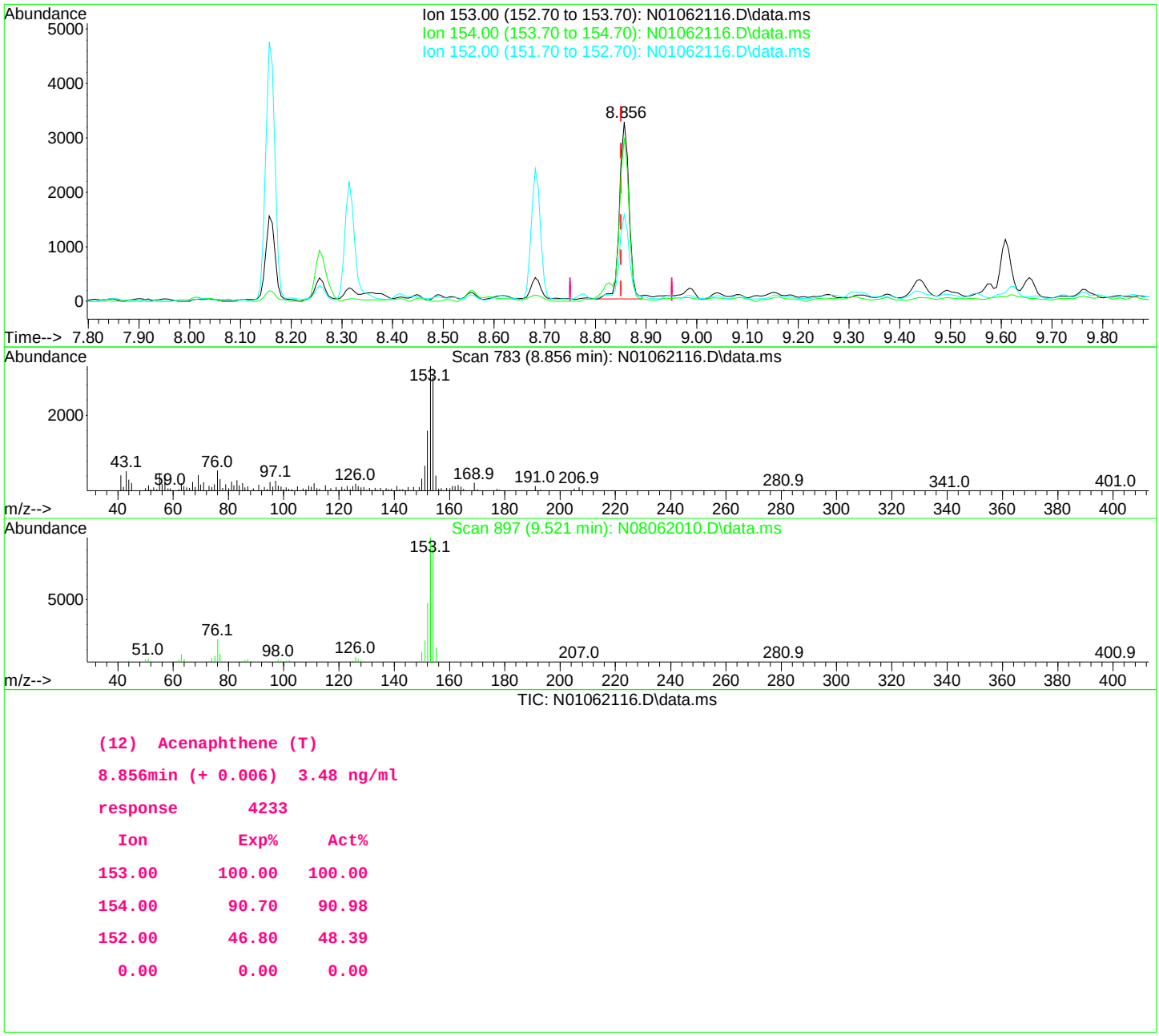
Quant Time: Jan 06 17:20:06 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062116.D
Acq On : 06 Jan 2021 04:25 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-02
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 06 17:20:06 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01062116.D\data.ms

(12) Acenaphthene (T)

8.856min (+ 0.006) 3.48 ng/ml

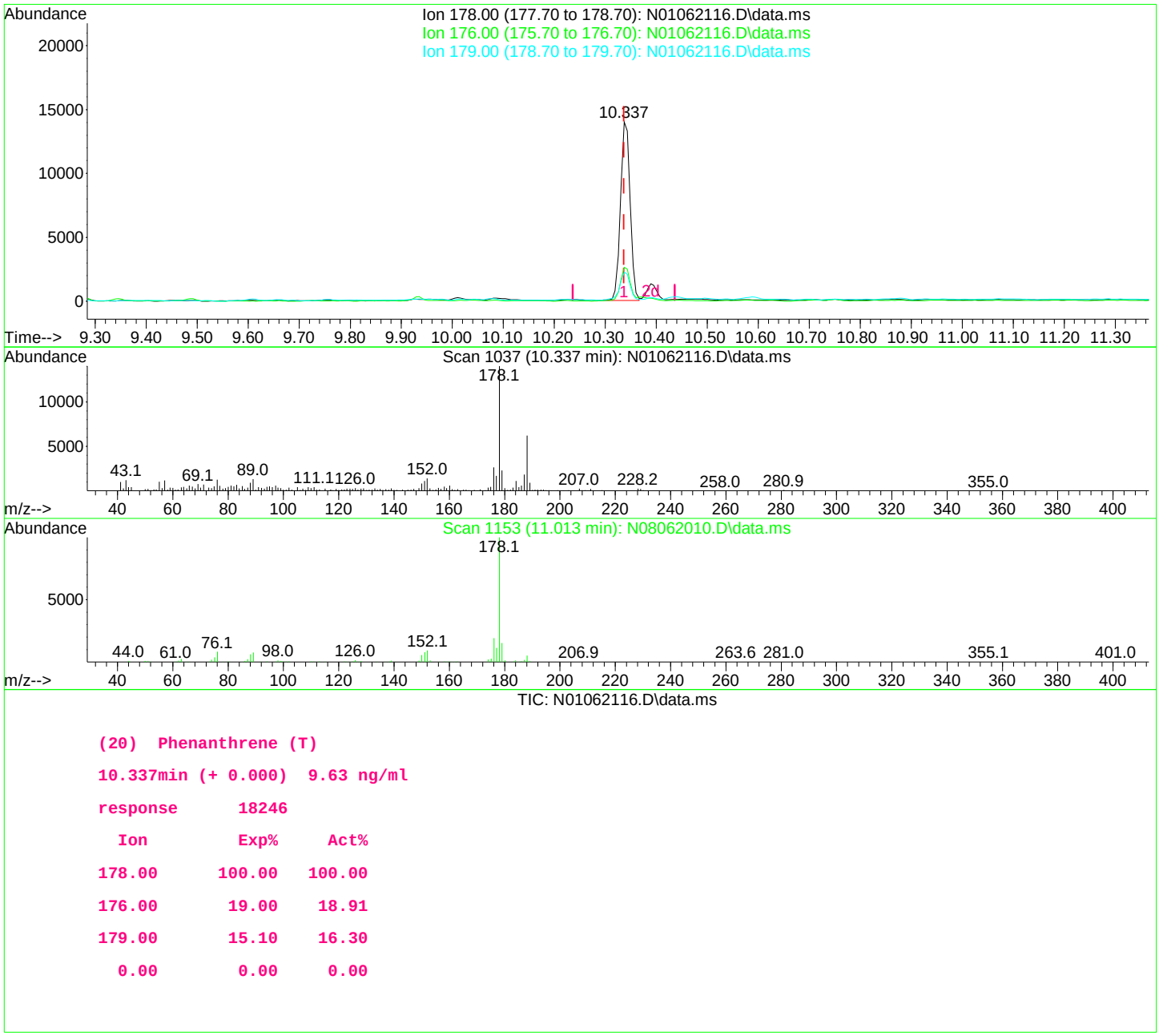
response 4233

Ion	Exp%	Act%
153.00	100.00	100.00
154.00	90.70	90.98
152.00	46.80	48.39
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062116.D
Acq On : 06 Jan 2021 04:25 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-02
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 06 17:20:06 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01062116.D\data.ms

(20) Phenanthrene (T)

10.337min (+ 0.000) 9.63 ng/ml

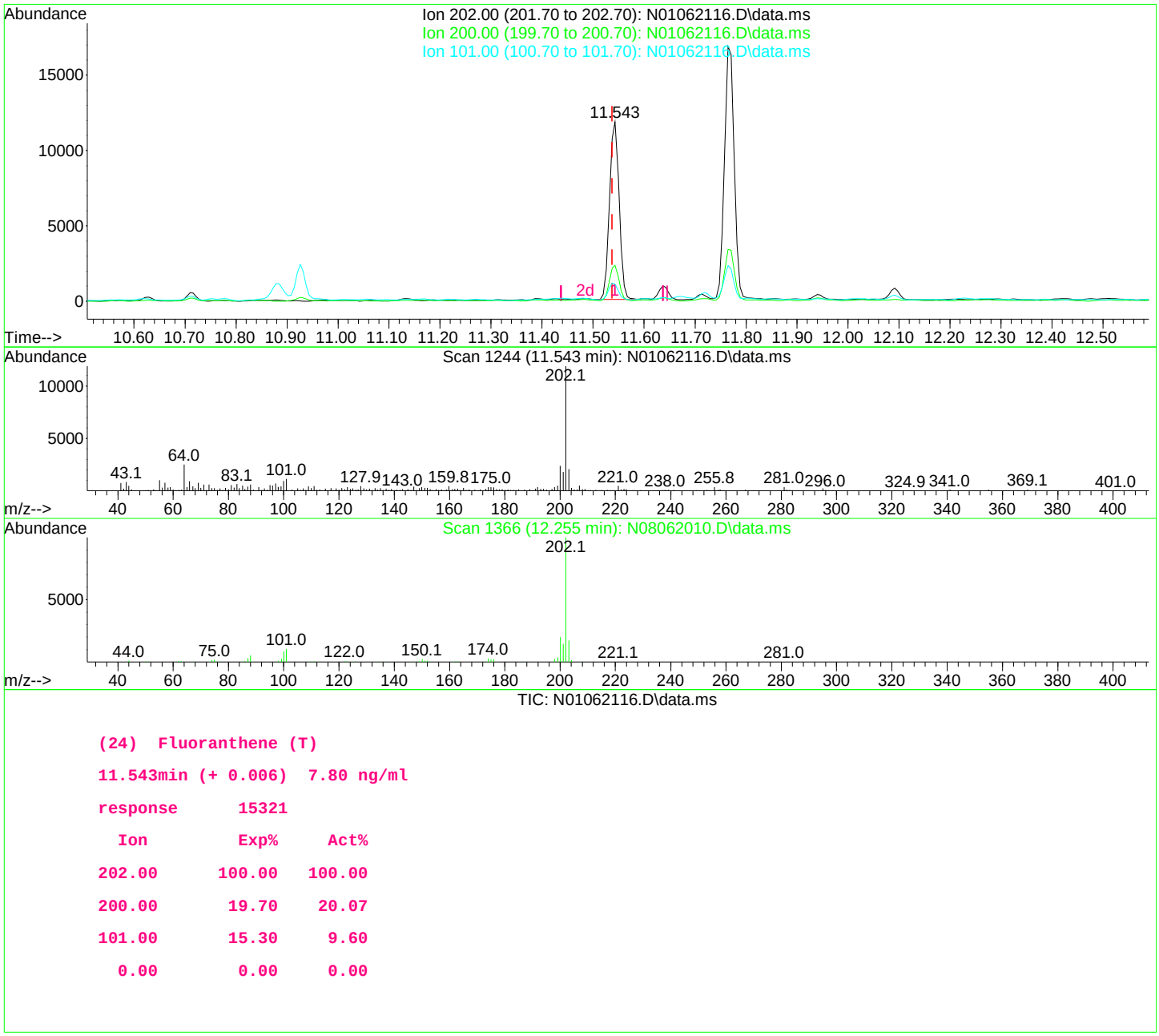
response 18246

Ion	Exp%	Act%
178.00	100.00	100.00
176.00	19.00	18.91
179.00	15.10	16.30
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062116.D
Acq On : 06 Jan 2021 04:25 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-02
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 06 17:20:06 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01062116.D\data.ms

(24) Fluoranthene (T)

11.543min (+ 0.006) 7.80 ng/ml

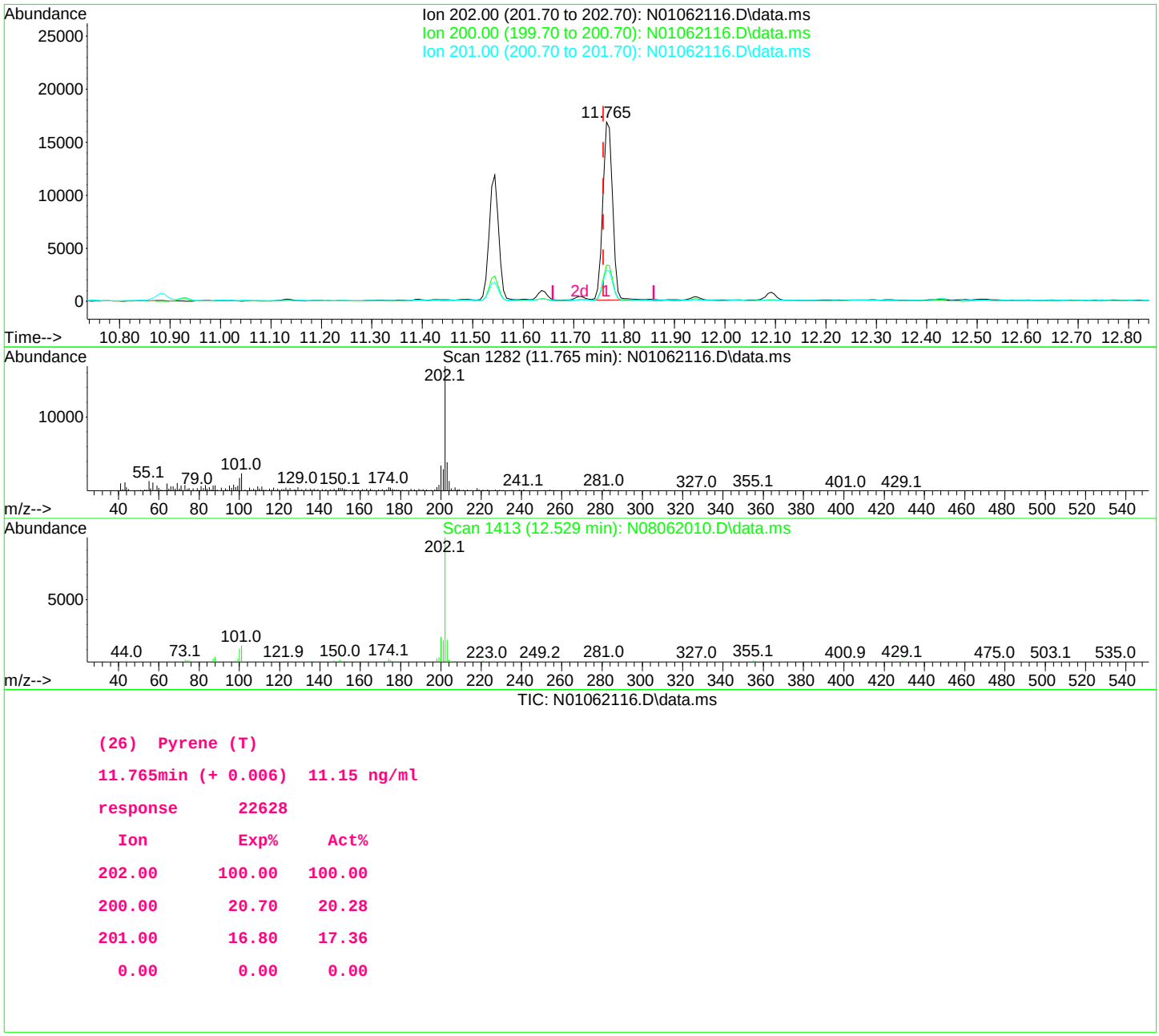
response 15321

Ion	Exp%	Act%
202.00	100.00	100.00
200.00	19.70	20.07
101.00	15.30	9.60
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062116.D
Acq On : 06 Jan 2021 04:25 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-02
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 06 17:20:06 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01062116.D\data.ms

(26) Pyrene (T)

11.765min (+ 0.006) 11.15 ng/ml

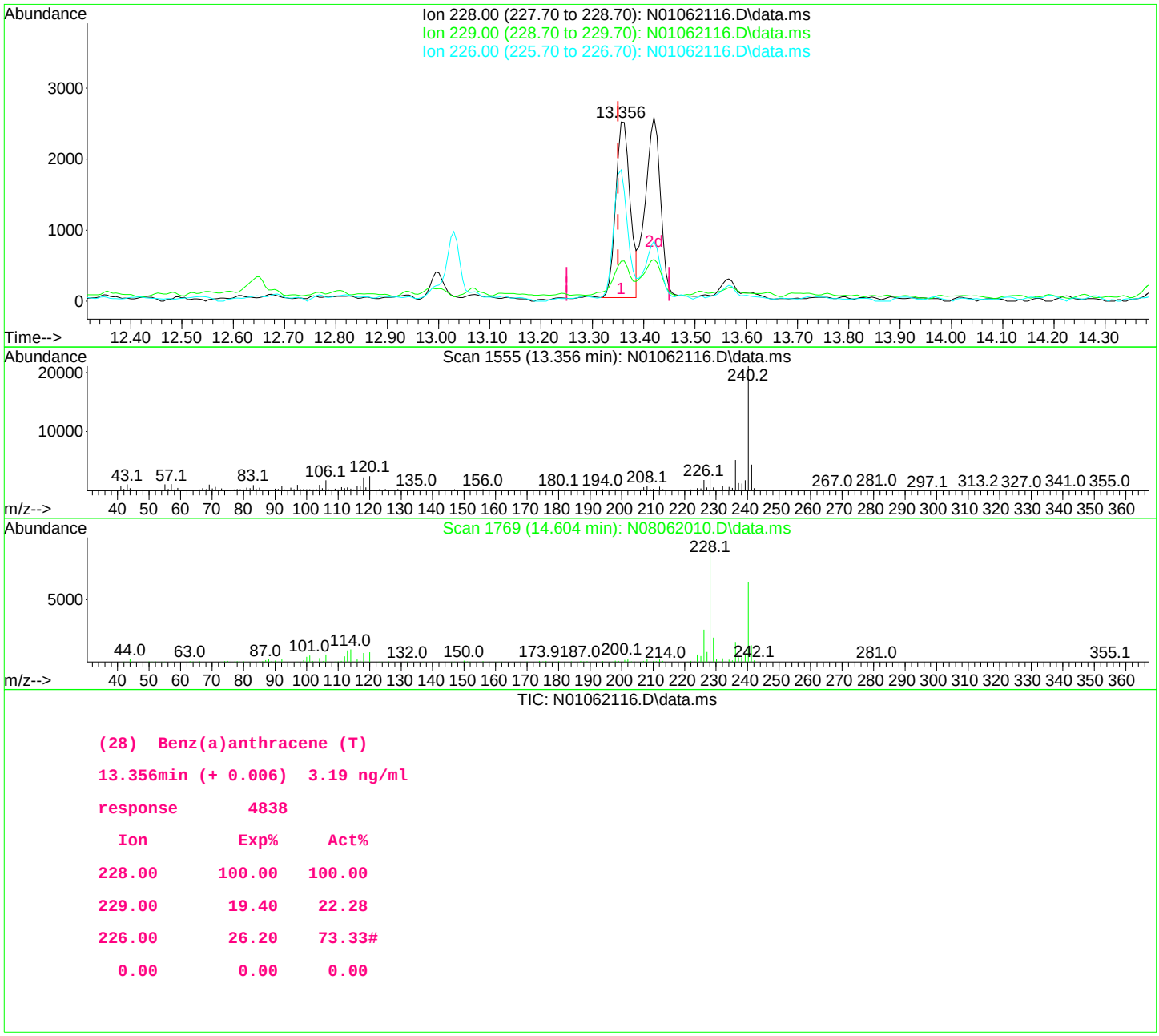
response 22628

Ion	Exp%	Act%
202.00	100.00	100.00
200.00	20.70	20.28
201.00	16.80	17.36
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062116.D
Acq On : 06 Jan 2021 04:25 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-02
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 06 17:20:06 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01062116.D\data.ms

(28) Benz(a)anthracene (T)

13.356min (+ 0.006) 3.19 ng/ml

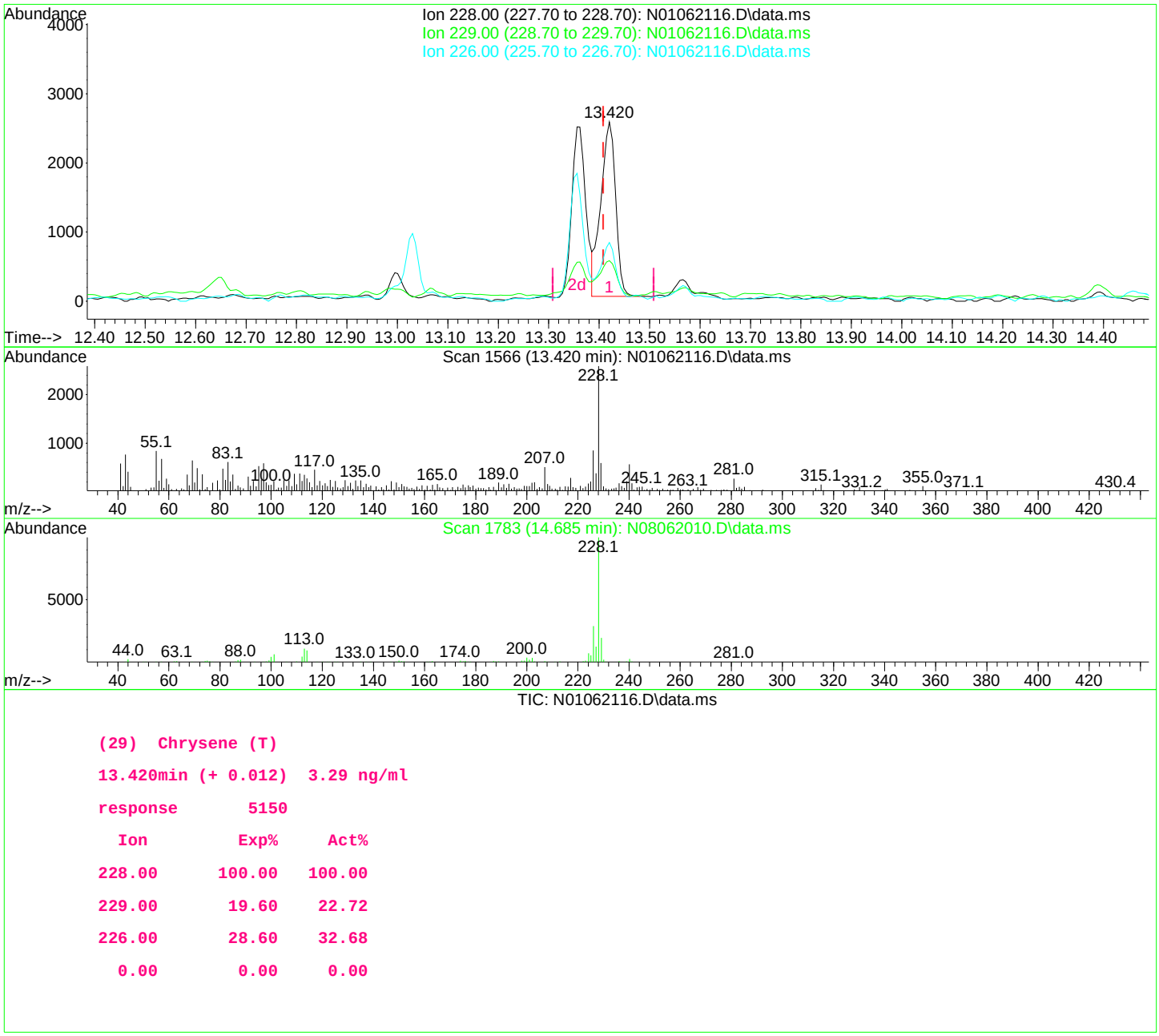
response 4838

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.40	22.28
226.00	26.20	73.33#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062116.D
Acq On : 06 Jan 2021 04:25 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-02
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 06 17:20:06 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01062116.D\data.ms

(29) Chrysene (T)

13.420min (+ 0.012) 3.29 ng/ml

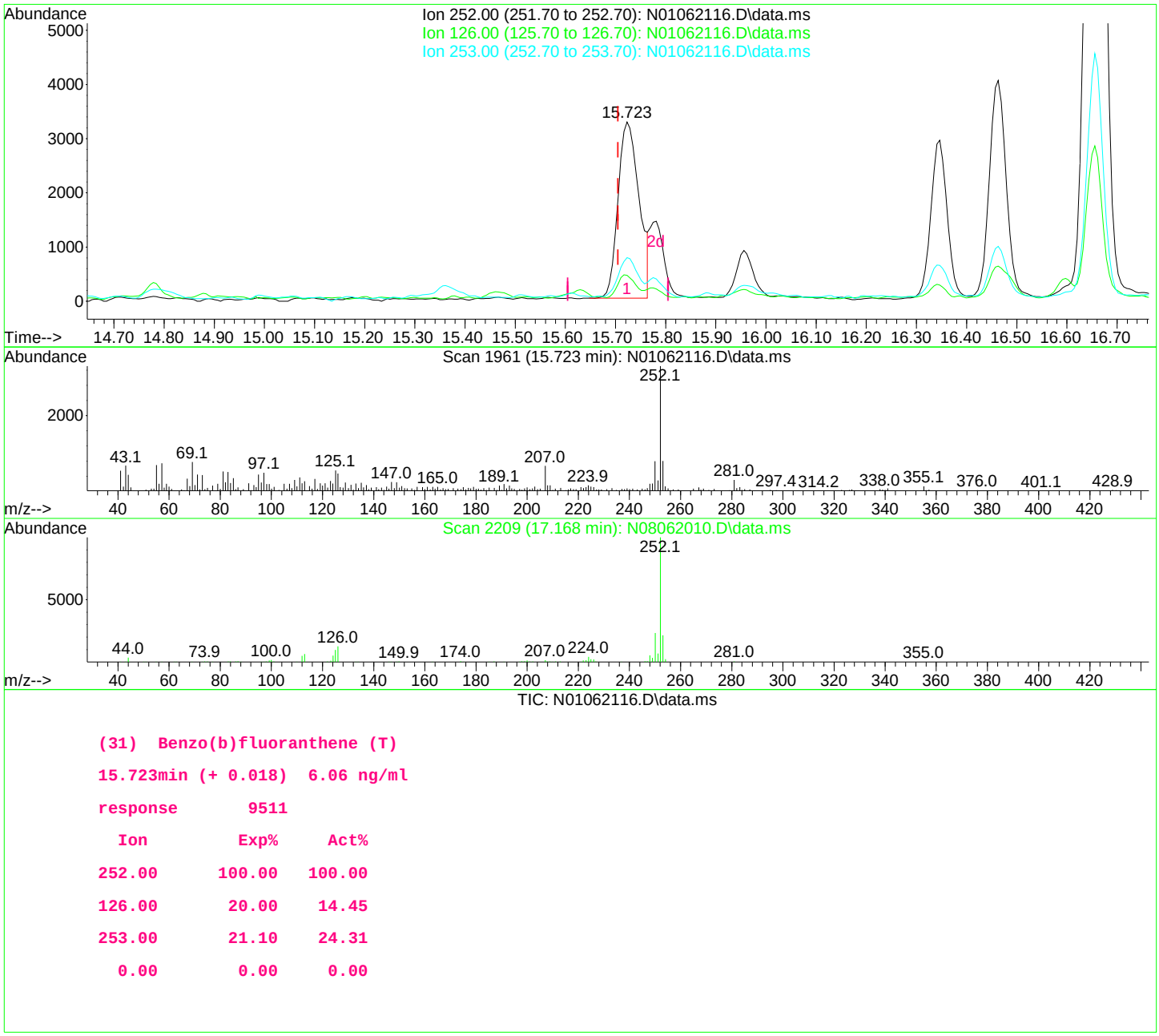
response 5150

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.60	22.72
226.00	28.60	32.68
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062116.D
Acq On : 06 Jan 2021 04:25 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-02
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 06 17:20:06 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01062116.D\data.ms

(31) Benzo(b)fluoranthene (T)

15.723min (+ 0.018) 6.06 ng/ml

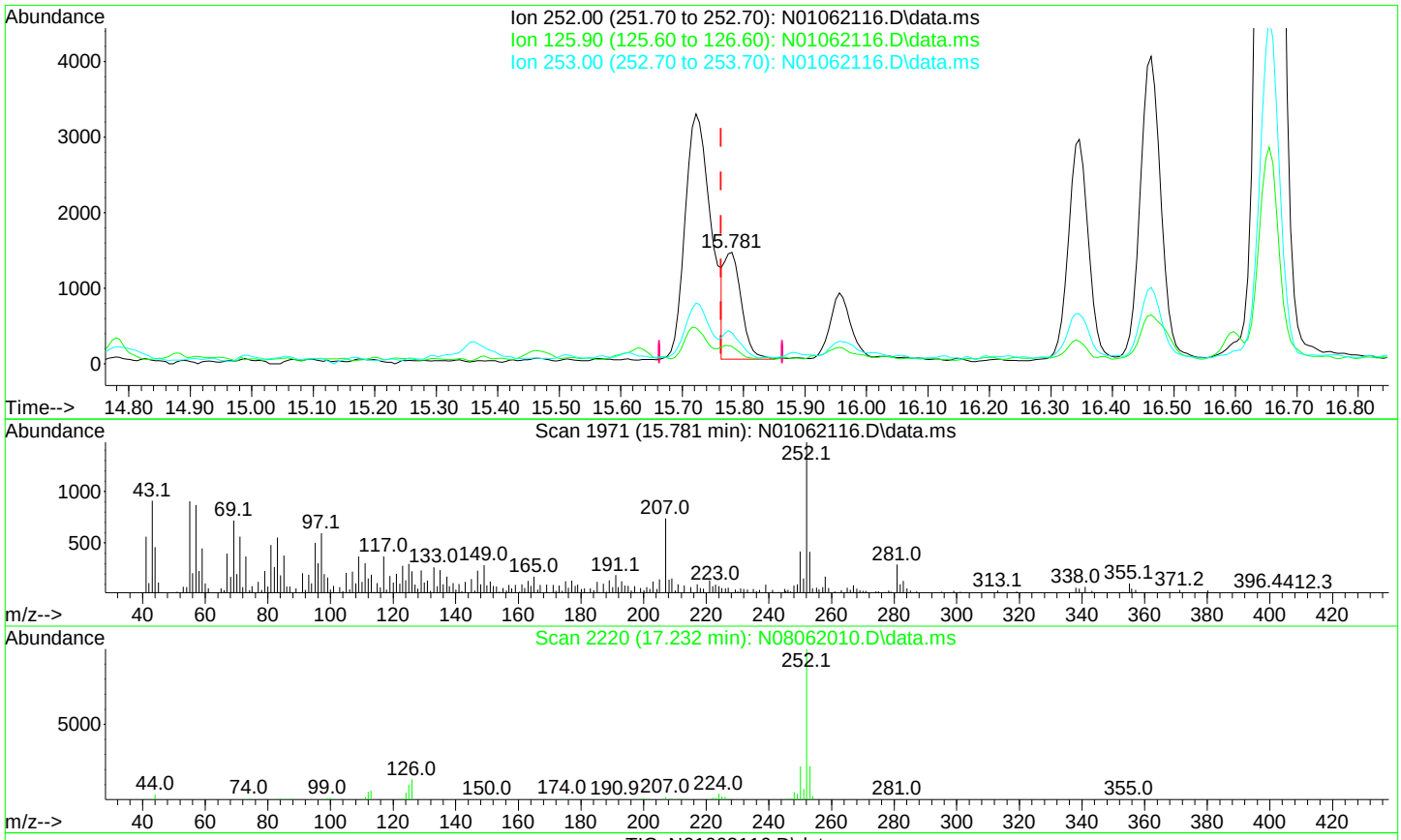
response 9511

Ion	Exp%	Act%
252.00	100.00	100.00
126.00	20.00	14.45
253.00	21.10	24.31
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062116.D
Acq On : 06 Jan 2021 04:25 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-02
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 06 17:20:06 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01062116.D\data.ms

(32) Benzo(k)fluoranthene (T)

15.781min (+ 0.018) 1.85 ng/ml m

response 2745

Ion	Exp%	Act%
252.00	100.00	100.00
125.90	22.10	15.36
253.00	21.50	28.01
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062116.D
Acq On : 06 Jan 2021 04:25 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-02
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 06 17:20:06 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

(35) Benzo(a)pyrene (T)

16.463min (+ 0.018) 8.11 ng/ml

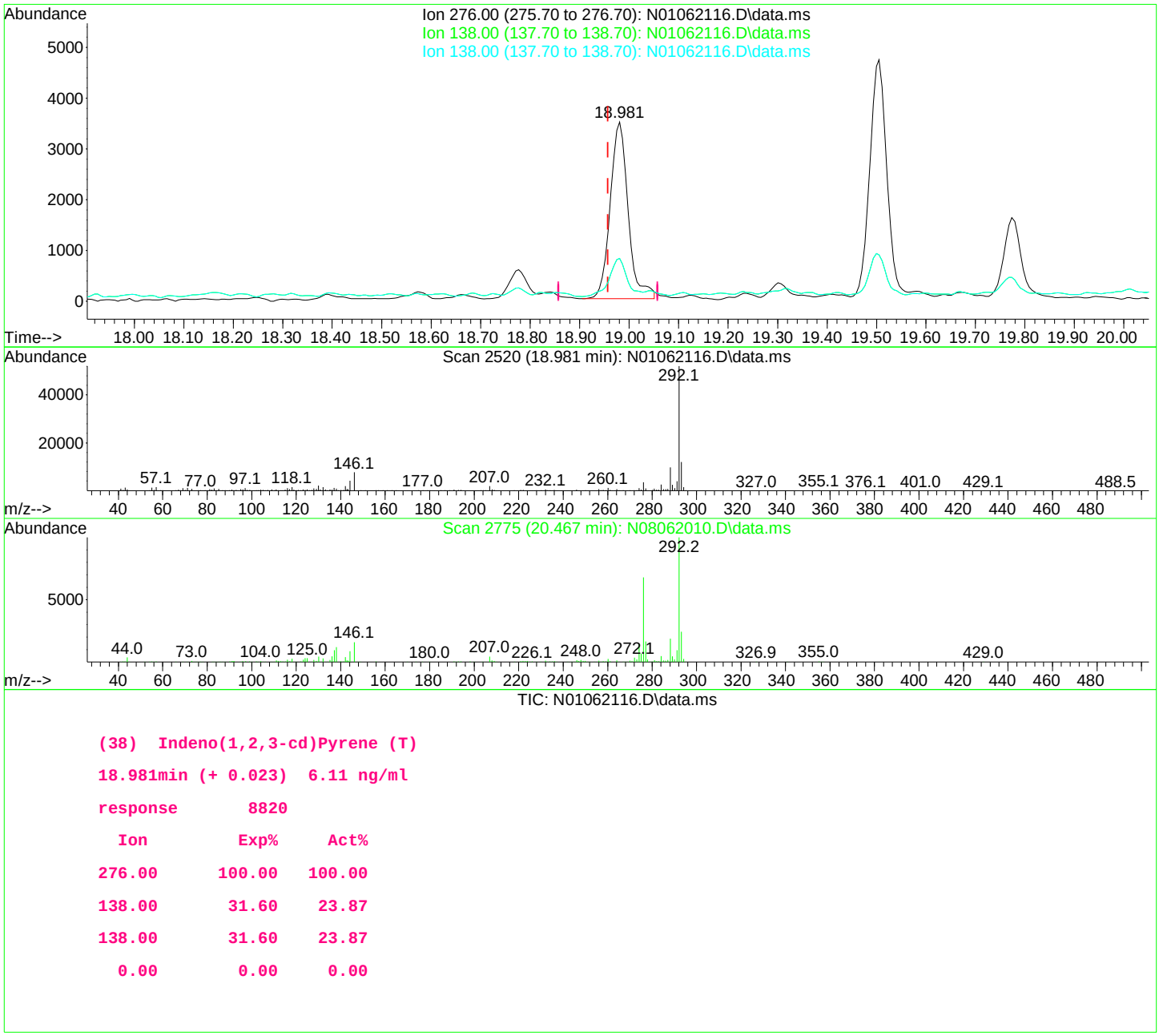
response 9232

Ion	Exp%	Act%
252.00	100.00	100.00
112.90	12.70	19.92
253.00	21.90	24.91
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062116.D
Acq On : 06 Jan 2021 04:25 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-02
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 06 17:20:06 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01062116.D\data.ms

(38) Indeno(1,2,3-cd)Pyrene (T)

18.981min (+ 0.023) 6.11 ng/ml

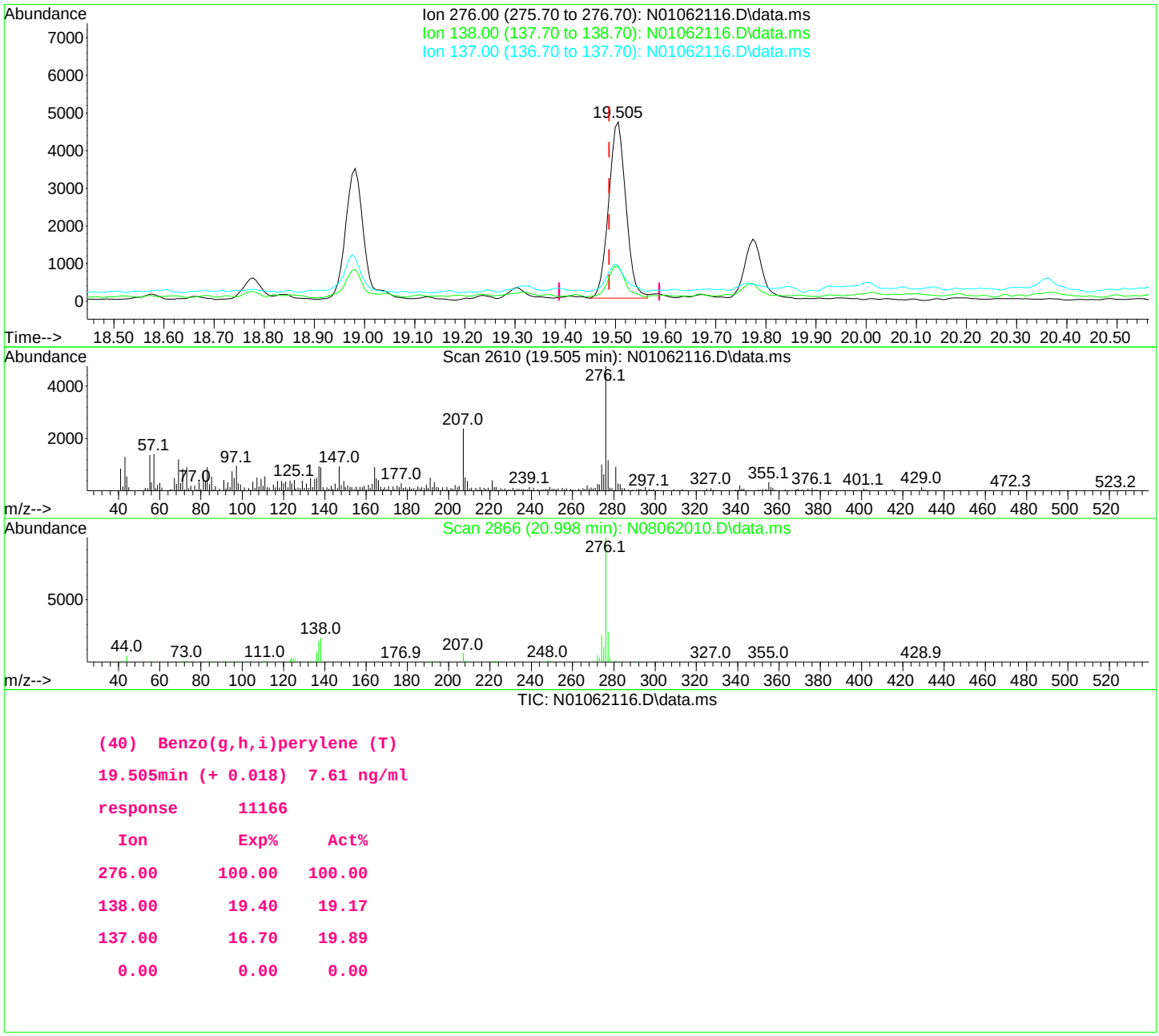
response 8820

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	31.60	23.87
138.00	31.60	23.87
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062116.D
Acq On : 06 Jan 2021 04:25 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-02
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 06 17:20:06 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01062116.D\data.ms

(40) Benzo(g,h,i)perylene (T)

19.505min (+ 0.018) 7.61 ng/ml

response 11166

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	19.40	19.17
137.00	16.70	19.89
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

DTH 1/6/21

Data Path : U:\data\2021-01\1A06048\
Data File : N01062117.D
Acq On : 06 Jan 2021 04:57 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-04
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 06 17:36:06 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.090	136	167139	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	8.827	162	106663	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.319	188	206972	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	13.379	240	208856	100.00	ng/ml	0.01
30) Perylene-d12 (ISTD)	16.603	264	220049	100.00	ng/ml	0.02
37) Dibenz(a,h)Anthrcene-d...	18.975	292	203997	100.00	ng/ml	0.02
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	6.414	82	27669	59.10	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.157	172	104490	68.51	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	9.626	330	30651	116.72	ng/ml	0.00
27) Terphenyl-d14 (Surr)	11.946	244	180111	89.69	ng/ml	0.01
Target Compounds						Qvalue
3) Decalin	6.513	138	61	0.61	ng/ml#	1
4) Naphthalene	7.114	128	8414	4.88	ng/ml	97
5) 2-Methylnaphthalene	7.790	142	2511	2.01	ng/ml	98
6) 1-Methylnaphthalene	7.889	142	1506	1.21	ng/ml	87
7) 1,1'-Biphenyl	8.256	154	2268	1.43	ng/ml	92
8) 2,6-Dimethylnaphthalene	8.419	156	1673	1.44	ng/ml	98
11) Acenaphthylene	8.682	152	3797	2.12	ng/ml	86
12) Acenaphthene	8.856	153	18099	13.85	ng/ml	100
13) Dibenzofuran	9.031	168	1225	0.75	ng/ml#	1
14) 1,6,7-Trimethylnaphtha...	9.247	170	1897	1.60	ng/ml	96
15) Fluorene	9.375	166	4472	3.36	ng/ml	96
18) Pentachlorophenol (PCP)	10.156	266	347	12.32	ng/ml	90
19) Dibenzothiopene	10.209	184	12337	6.14	ng/ml	97
20) Phenanthrene	10.343	178	90717	40.50	ng/ml	99
21) Anthracene	10.389	178	4914	2.68	ng/ml	90
22) Carbazole	10.570	167	1337	0.98	ng/ml	68
23) 1-Methylphenanthrene	10.961	192	18719	11.62	ng/ml#	23
24) Fluoranthene	11.549	202	68615	29.53	ng/ml	94
26) Pyrene	11.771	202	99976	35.75	ng/ml	99
28) Benz(a)anthracene	13.362	228	22321	10.69	ng/ml	79
29) Chrysene	13.420	228	26689	12.37	ng/ml	96
31) Benzo(b)fluoranthene	15.723	252	32531	14.58	ng/ml	89
32) Benzo(k)fluoranthene	15.781	252	10224m	4.86	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062117.D
Acq On : 06 Jan 2021 04:57 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-04
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 10 Sample Multiplier: 1

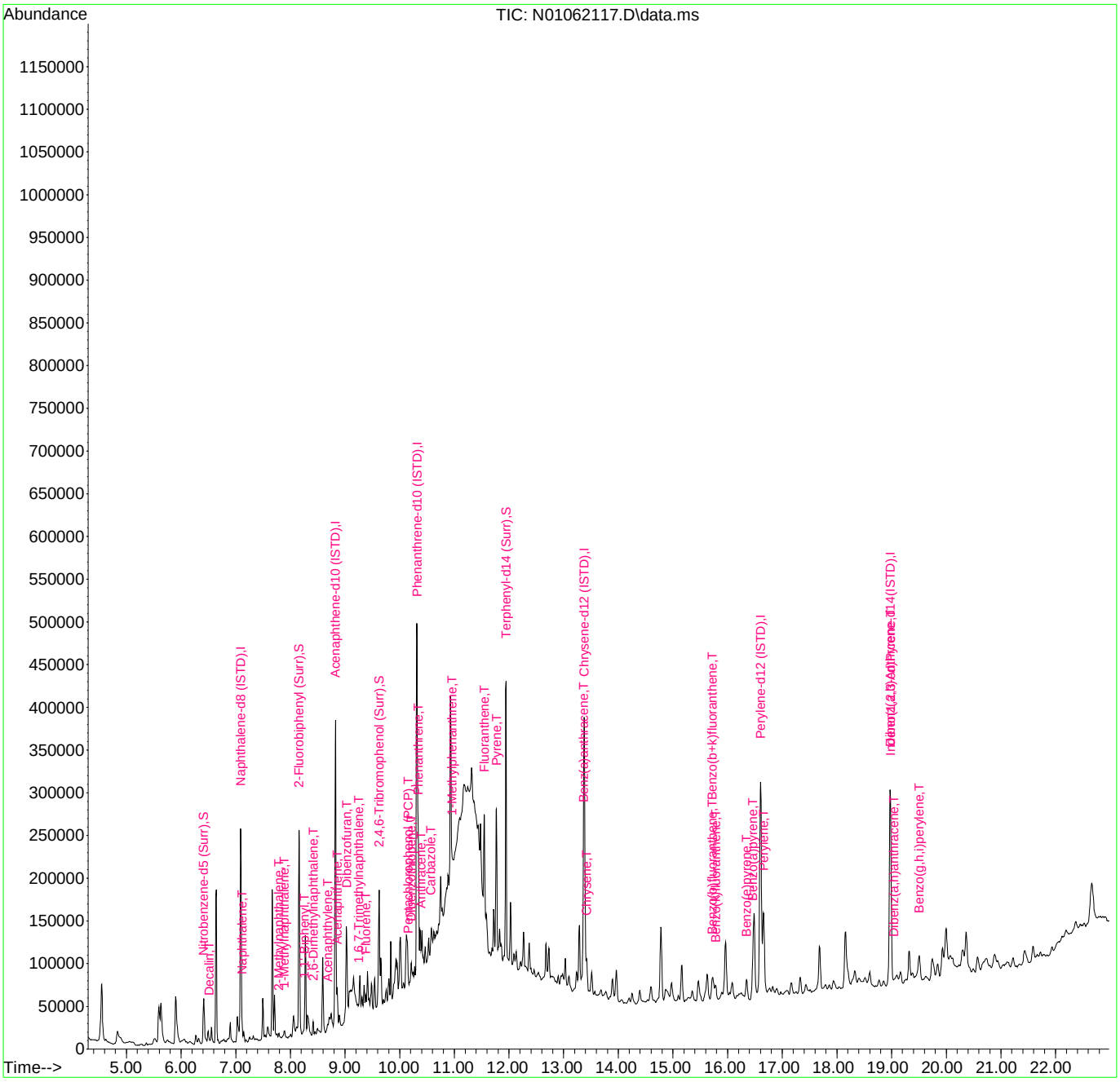
Quant Time: Jan 06 17:36:06 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	15.723	252	42998	18.94	ng/ml	88
34) Benzo(e)pyrene	16.346	252	20669	9.31	ng/ml	97
35) Benzo(a)pyrene	16.463	252	29042	17.95	ng/ml	94
36) Perylene	16.661	252	78901	32.85	ng/ml	98
38) Indeno(1,2,3-cd)Pyrene	18.981	276	22490	10.24	ng/ml	76
39) Dibenz(a,h)anthracene	19.039	278	2904	1.35	ng/ml	79
40) Benzo(g,h,i)perylene	19.505	276	27925	12.51	ng/ml	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : U:\data\2021-01\1A06048\
Data File : N01062117.D
Acq On : 06 Jan 2021 04:57 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-04
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 06 17:36:06 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062117.D
Acq On : 06 Jan 2021 04:57 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-04
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 06 17:33:51 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.090	136	167139	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	8.827	162	106663	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.319	188	206972	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	13.379	240	208856	100.00	ng/ml	0.01
30) Perylene-d12 (ISTD)	16.603	264	220049	100.00	ng/ml	0.02
37) Dibenz(a,h)Anthrcene-d...	18.975	292	203997	100.00	ng/ml	0.02
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	6.414	82	27669	59.10	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.157	172	104490	68.51	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	9.626	330	30651	116.72	ng/ml	0.00
27) Terphenyl-d14 (Surr)	11.946	244	180111	89.69	ng/ml	0.01
Target Compounds						Qvalue
3) Decalin	6.513	138	61	0.61	ng/ml#	1
4) Naphthalene	7.114	128	8414	4.88	ng/ml	97
5) 2-Methylnaphthalene	7.790	142	2511	2.01	ng/ml	98
6) 1-Methylnaphthalene	7.889	142	1506	1.21	ng/ml	87
7) 1,1'-Biphenyl	8.256	154	2268	1.43	ng/ml	92
8) 2,6-Dimethylnaphthalene	8.419	156	1673	1.44	ng/ml	98
11) Acenaphthylene	8.682	152	3797	2.12	ng/ml	86
12) Acenaphthene	8.856	153	18099	13.85	ng/ml	100
13) Dibenzofuran	9.031	168	1225	0.75	ng/ml#	1
14) 1,6,7-Trimethylnaphtha...	9.247	170	1897	1.60	ng/ml	96
15) Fluorene	9.375	166	4472	3.36	ng/ml	96
18) Pentachlorophenol (PCP)	10.156	266	347	12.32	ng/ml	90
19) Dibenzothiopene	10.209	184	12337	6.14	ng/ml	97
20) Phenanthrene	10.343	178	90717	40.50	ng/ml	99
21) Anthracene	10.389	178	4914	2.68	ng/ml	90
22) Carbazole	10.570	167	1337	0.98	ng/ml	68
23) 1-Methylphenanthrene	10.961	192	18719	11.62	ng/ml#	23
24) Fluoranthene	11.549	202	68615	29.53	ng/ml	94
26) Pyrene	11.771	202	99976	35.75	ng/ml	99
28) Benz(a)anthracene	13.362	228	22321	10.69	ng/ml	79
29) Chrysene	13.420	228	26689	12.37	ng/ml	96
31) Benzo(b)fluoranthene	15.723	252	32531	14.58	ng/ml	89
32) Benzo(k)fluoranthene	15.723	252	41114	19.53	ng/ml	88

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062117.D
Acq On : 06 Jan 2021 04:57 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-04
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 06 17:33:51 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

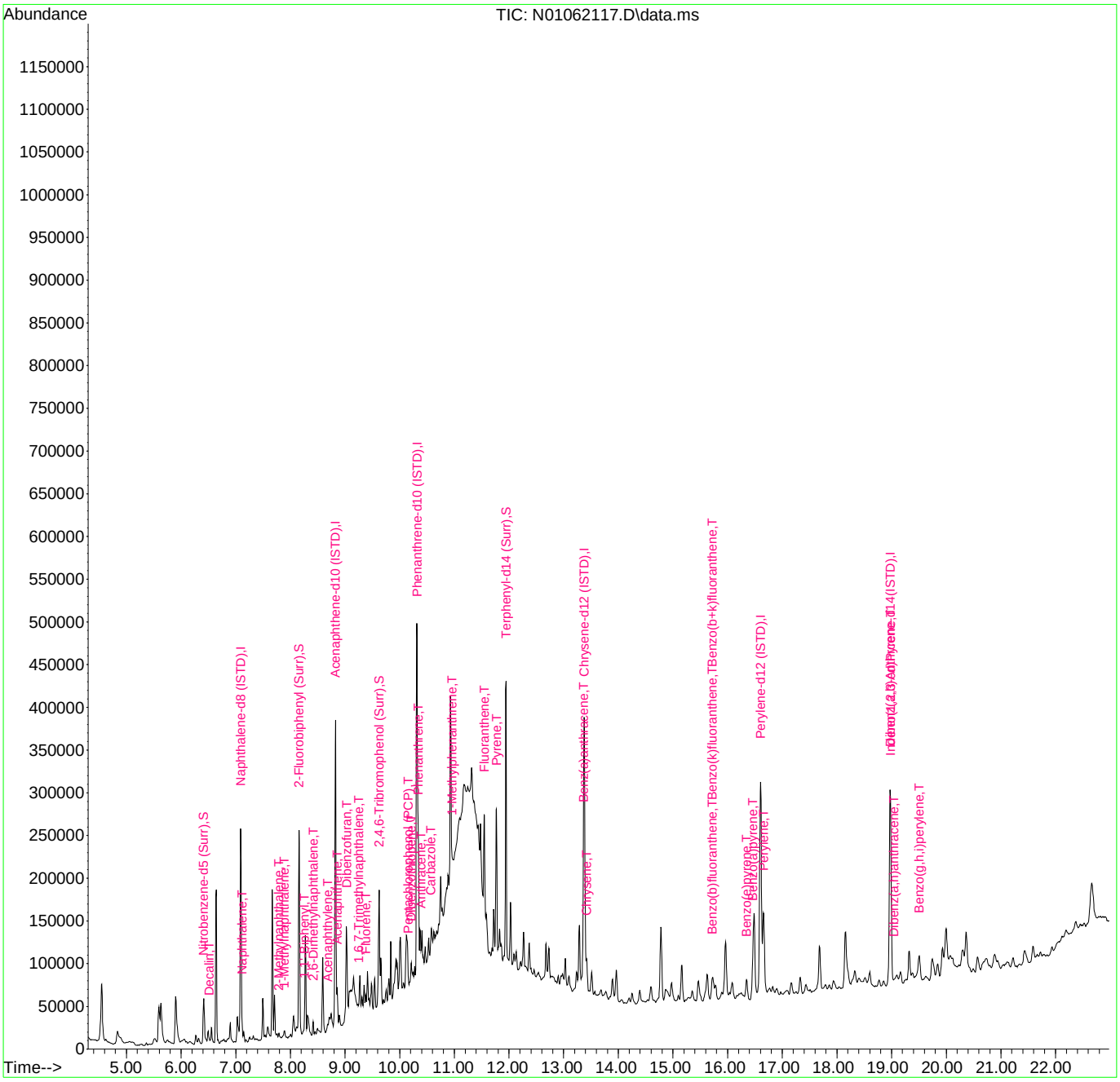
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	15.723	252	42998	18.94	ng/ml	88
34) Benzo(e)pyrene	16.346	252	20669	9.31	ng/ml	97
35) Benzo(a)pyrene	16.463	252	29042	17.95	ng/ml	94
36) Perylene	16.661	252	78901	32.85	ng/ml	98
38) Indeno(1,2,3-cd)Pyrene	18.981	276	22490	10.24	ng/ml	76
39) Dibenz(a,h)anthracene	19.039	278	2904	1.35	ng/ml	79
40) Benzo(g,h,i)perylene	19.505	276	27925	12.51	ng/ml	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062117.D
Acq On : 06 Jan 2021 04:57 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-04
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 10 Sample Multiplier: 1

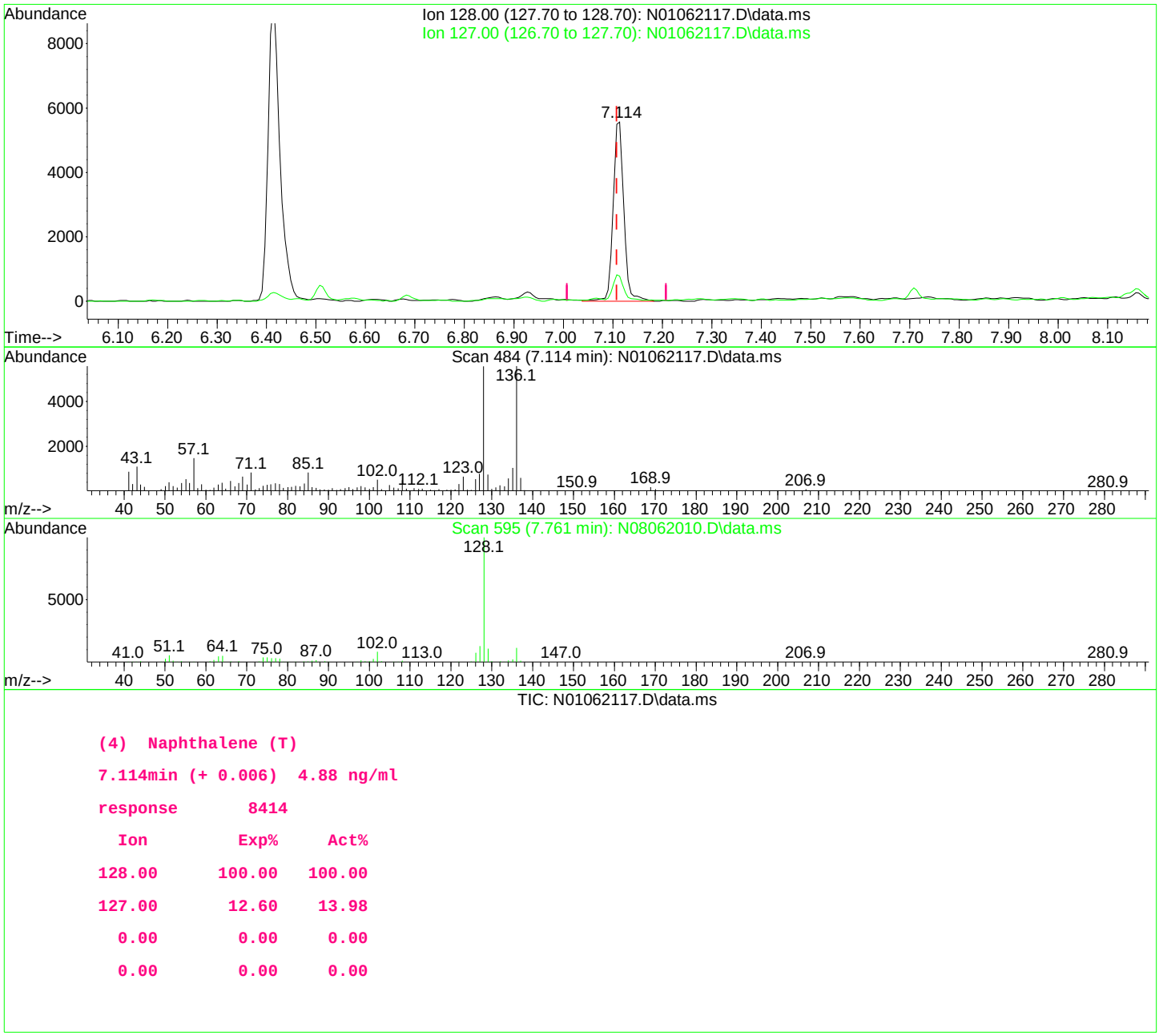
Quant Time: Jan 06 17:33:51 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062117.D
Acq On : 06 Jan 2021 04:57 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-04
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 06 17:33:51 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01062117.D\data.ms

(4) Naphthalene (T)

7.114min (+ 0.006) 4.88 ng/ml

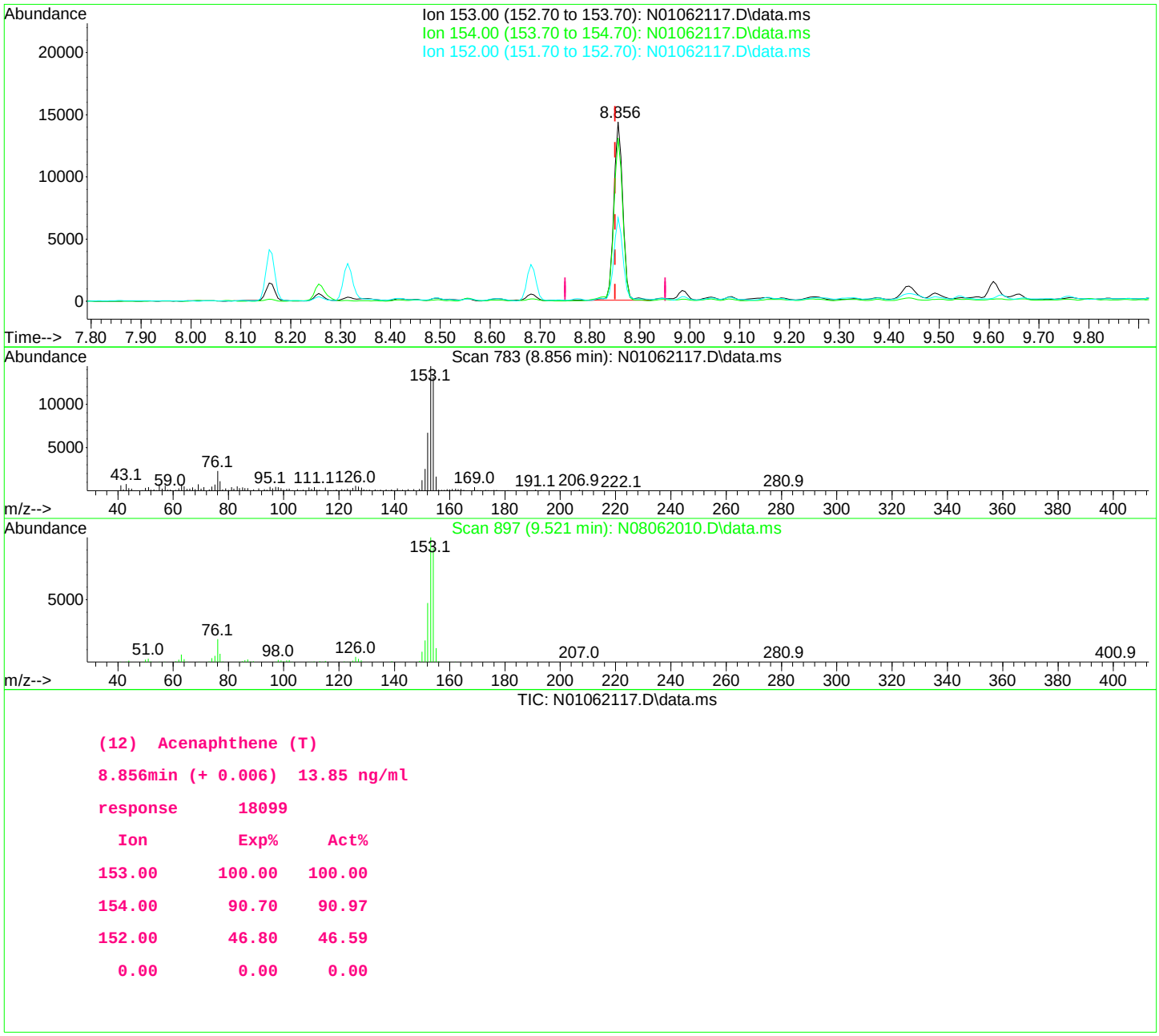
response 8414

Ion	Exp%	Act%
128.00	100.00	100.00
127.00	12.60	13.98
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062117.D
Acq On : 06 Jan 2021 04:57 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-04
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 06 17:33:51 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01062117.D\data.ms

(12) Acenaphthene (T)

8.856min (+ 0.006) 13.85 ng/ml

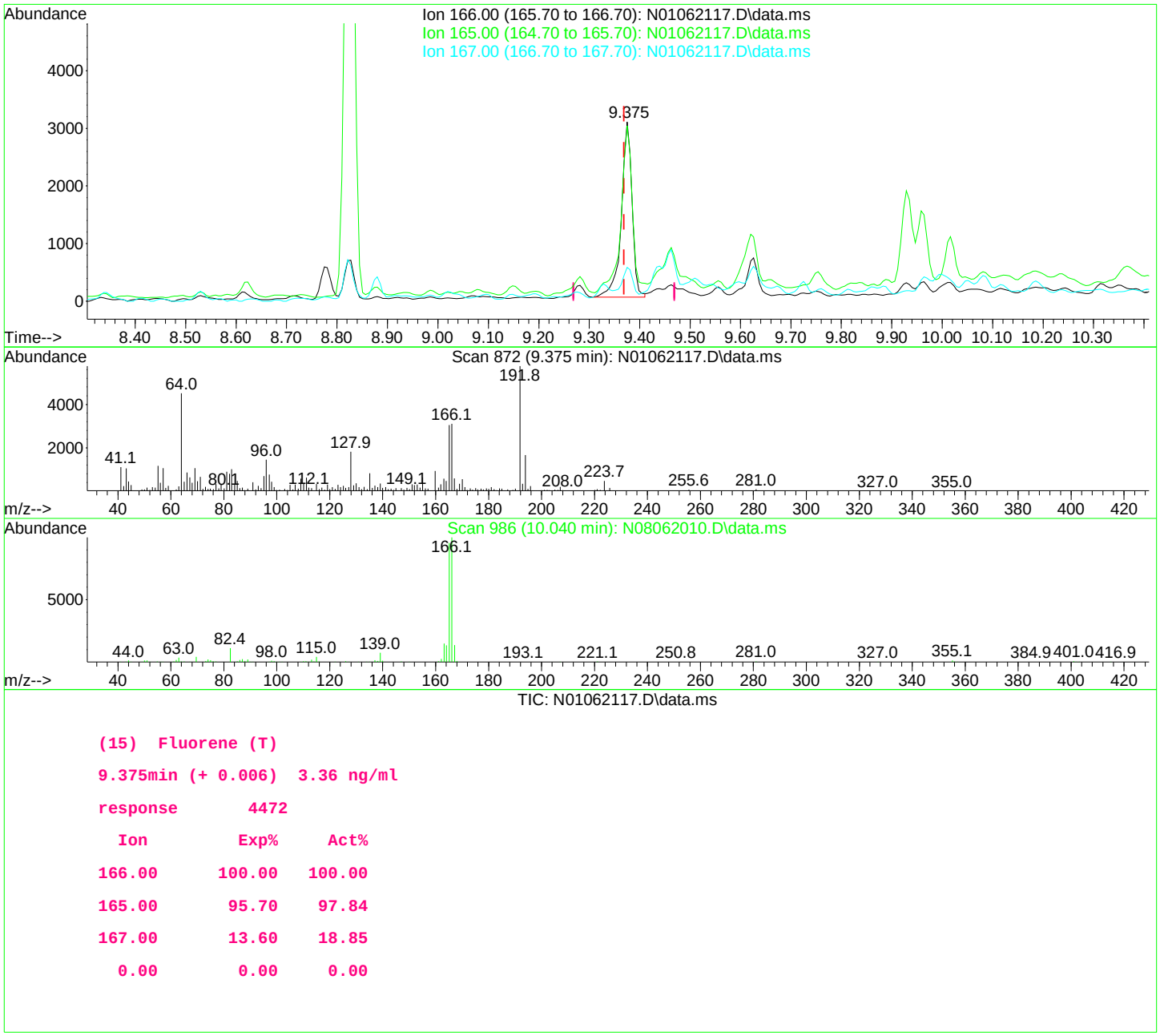
response 18099

Ion	Exp%	Act%
153.00	100.00	100.00
154.00	90.70	90.97
152.00	46.80	46.59
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062117.D
Acq On : 06 Jan 2021 04:57 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-04
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 06 17:33:51 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01062117.D\data.ms

(15) Fluorene (T)

9.375min (+ 0.006) 3.36 ng/ml

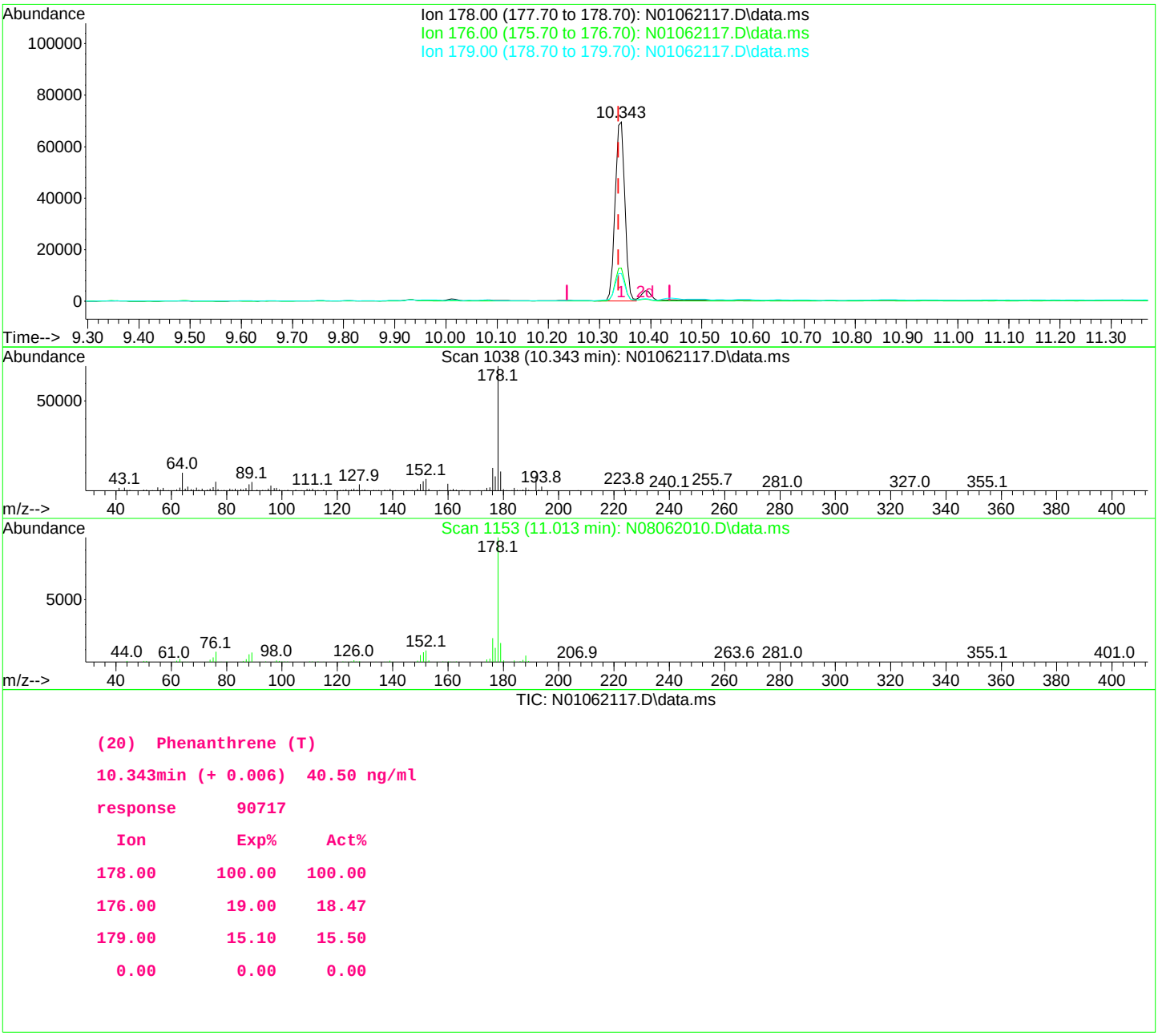
response 4472

Ion	Exp%	Act%
166.00	100.00	100.00
165.00	95.70	97.84
167.00	13.60	18.85
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062117.D
Acq On : 06 Jan 2021 04:57 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-04
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 06 17:33:51 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01062117.D\data.ms

(20) Phenanthrene (T)

10.343min (+ 0.006) 40.50 ng/ml

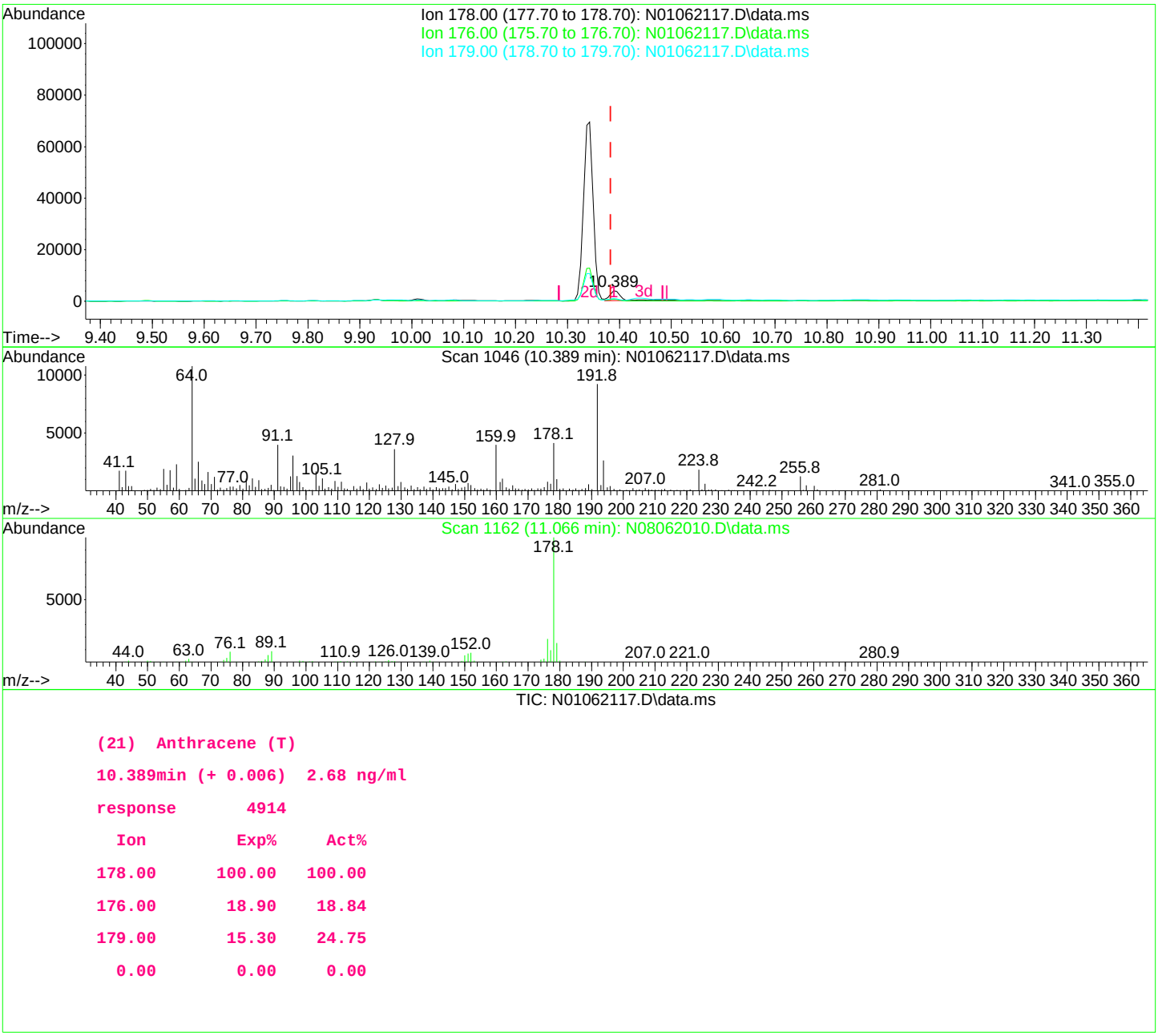
response 90717

Ion	Exp%	Act%
178.00	100.00	100.00
176.00	19.00	18.47
179.00	15.10	15.50
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062117.D
Acq On : 06 Jan 2021 04:57 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-04
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 06 17:33:51 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01062117.D\data.ms

(21) Anthracene (T)

10.389min (+ 0.006) 2.68 ng/ml

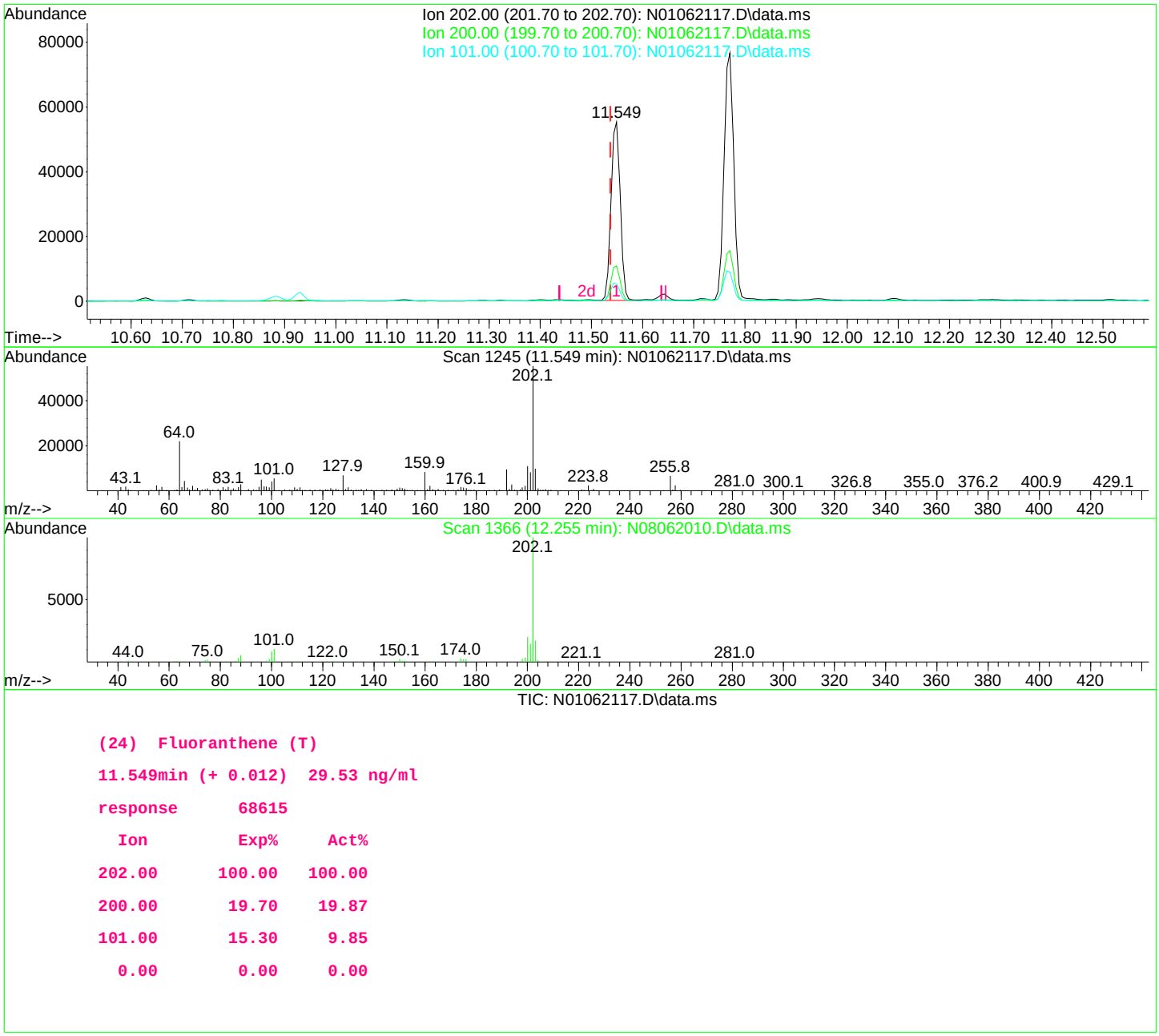
response 4914

Ion	Exp%	Act%
178.00	100.00	100.00
176.00	18.90	18.84
179.00	15.30	24.75
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062117.D
Acq On : 06 Jan 2021 04:57 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-04
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 06 17:33:51 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01062117.D\data.ms

(24) Fluoranthene (T)

11.549min (+ 0.012) 29.53 ng/ml

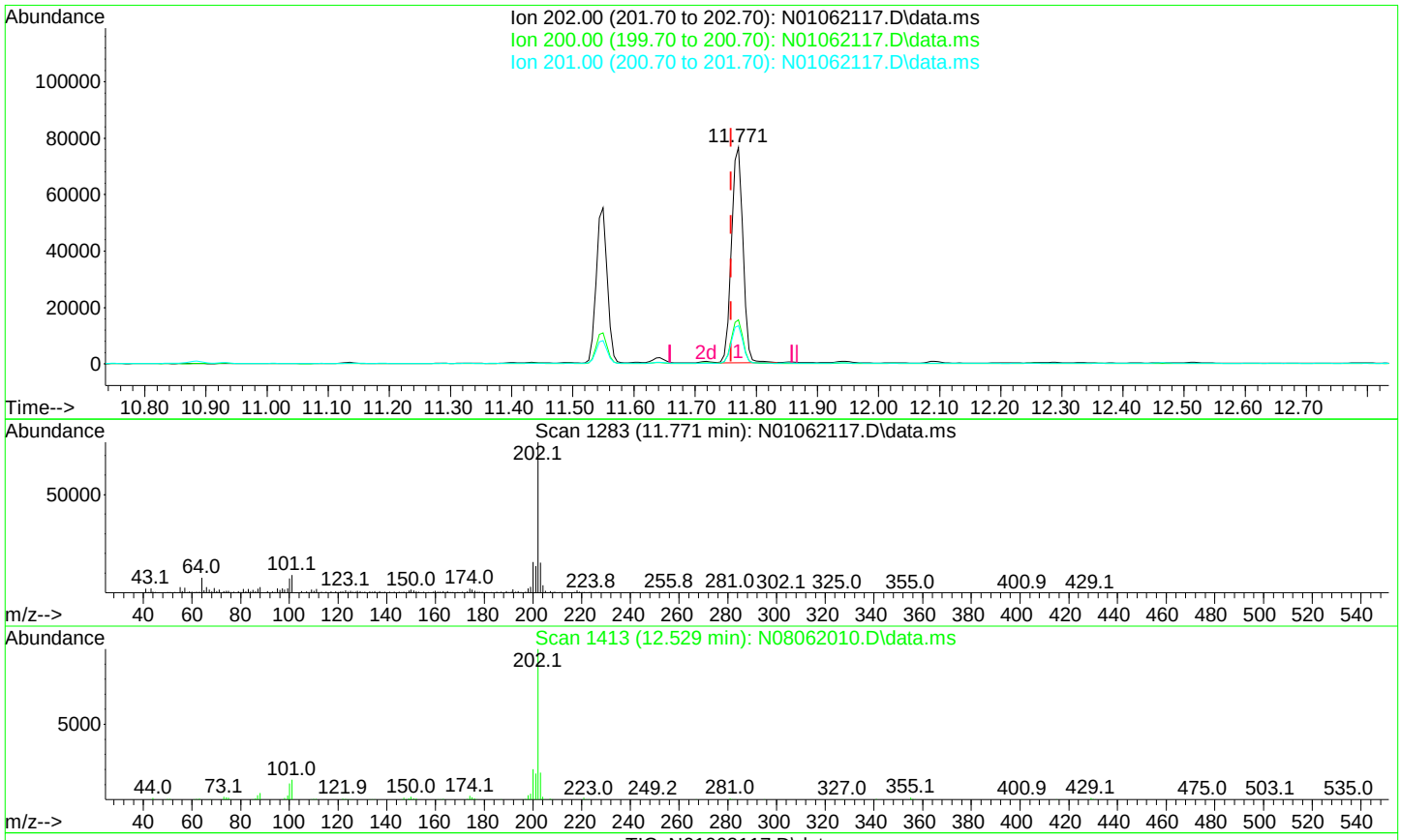
response 68615

Ion	Exp%	Act%
202.00	100.00	100.00
200.00	19.70	19.87
101.00	15.30	9.85
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062117.D
Acq On : 06 Jan 2021 04:57 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-04
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 06 17:33:51 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01062117.D\data.ms

(26) Pyrene (T)

11.771min (+ 0.012) 35.75 ng/ml

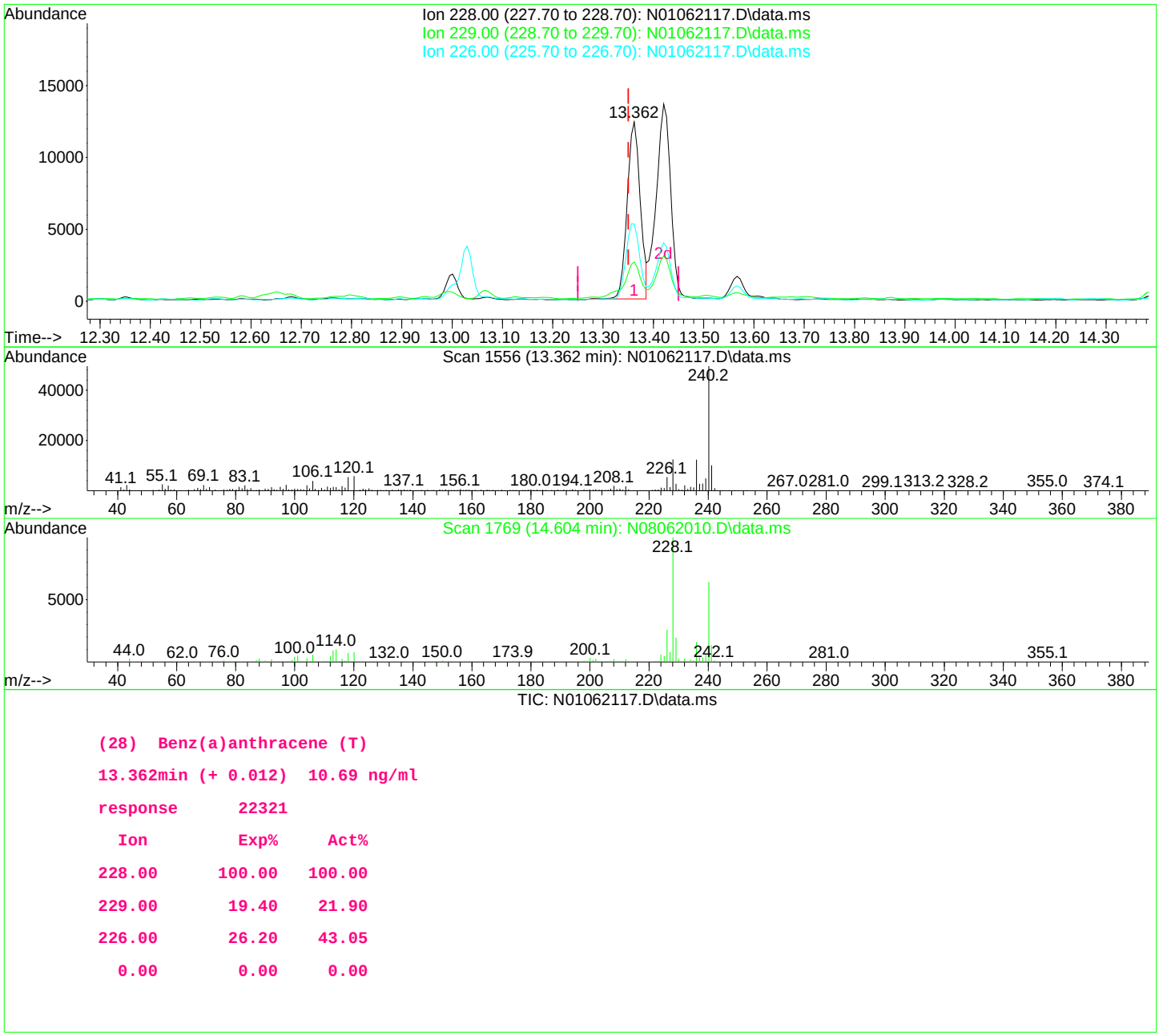
response 99976

Ion	Exp%	Act%
202.00	100.00	100.00
200.00	20.70	20.35
201.00	16.80	17.67
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062117.D
Acq On : 06 Jan 2021 04:57 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-04
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 06 17:33:51 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01062117.D\data.ms

(28) Benz(a)anthracene (T)

13.362min (+ 0.012) 10.69 ng/ml

response 22321

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.40	21.90
226.00	26.20	43.05
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062117.D
Acq On : 06 Jan 2021 04:57 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-04
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 06 17:33:51 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

(29) Chrysene (T)

13.420min (+ 0.012) 12.37 ng/ml

response 26689

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.60	22.96
226.00	28.60	29.68
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062117.D
Acq On : 06 Jan 2021 04:57 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-04
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 06 17:33:51 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

TIC: N01062117.D\data.ms

(31) Benzo(b)fluoranthene (T)

15.723min (+ 0.018) 14.58 ng/ml

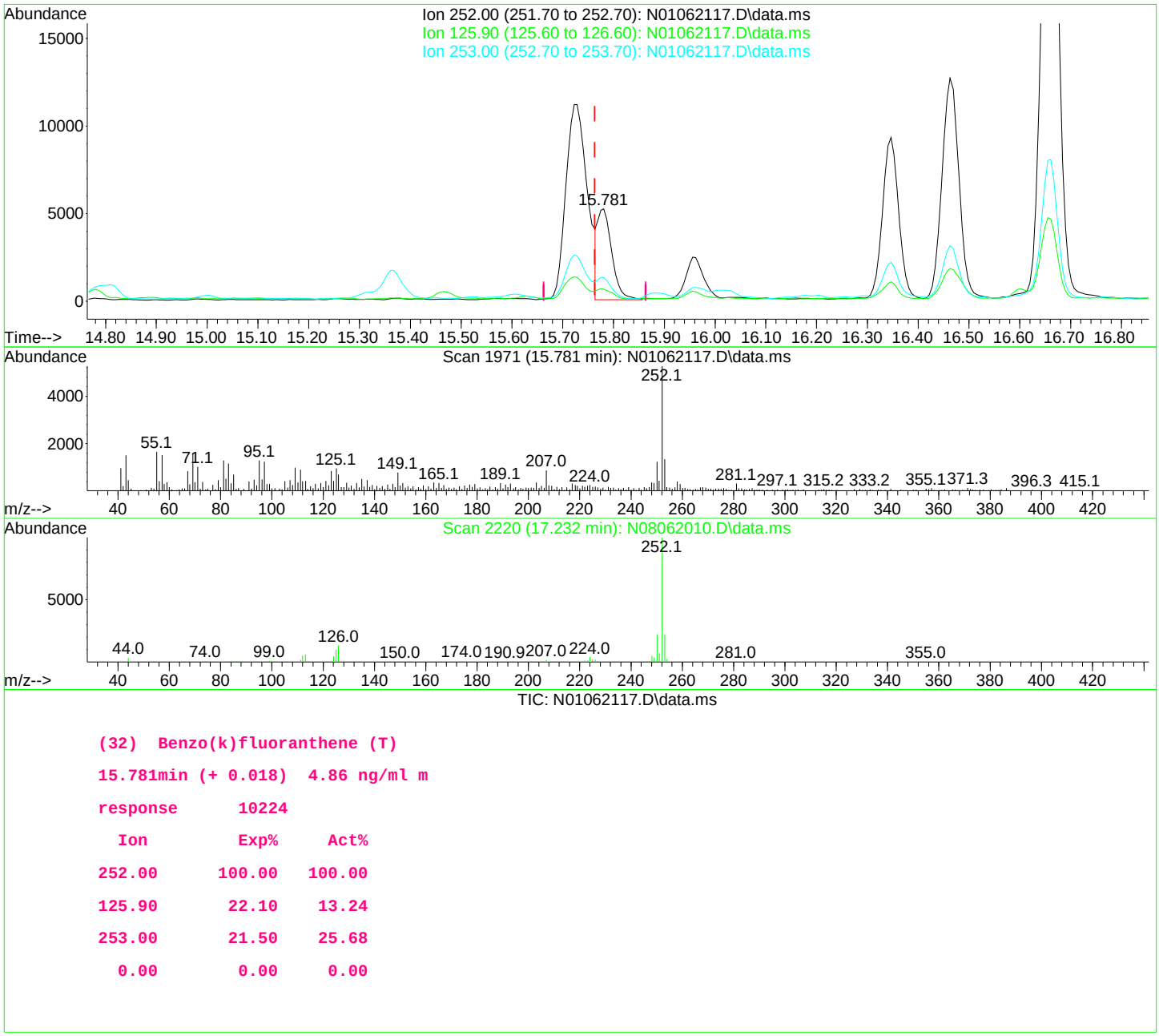
response 32531

Ion	Exp%	Act%
252.00	100.00	100.00
126.00	20.00	12.48
253.00	21.10	23.43
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062117.D
Acq On : 06 Jan 2021 04:57 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-04
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 06 17:33:51 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01062117.D\data.ms

(32) Benzo(k)fluoranthene (T)

15.781min (+ 0.018) 4.86 ng/ml m

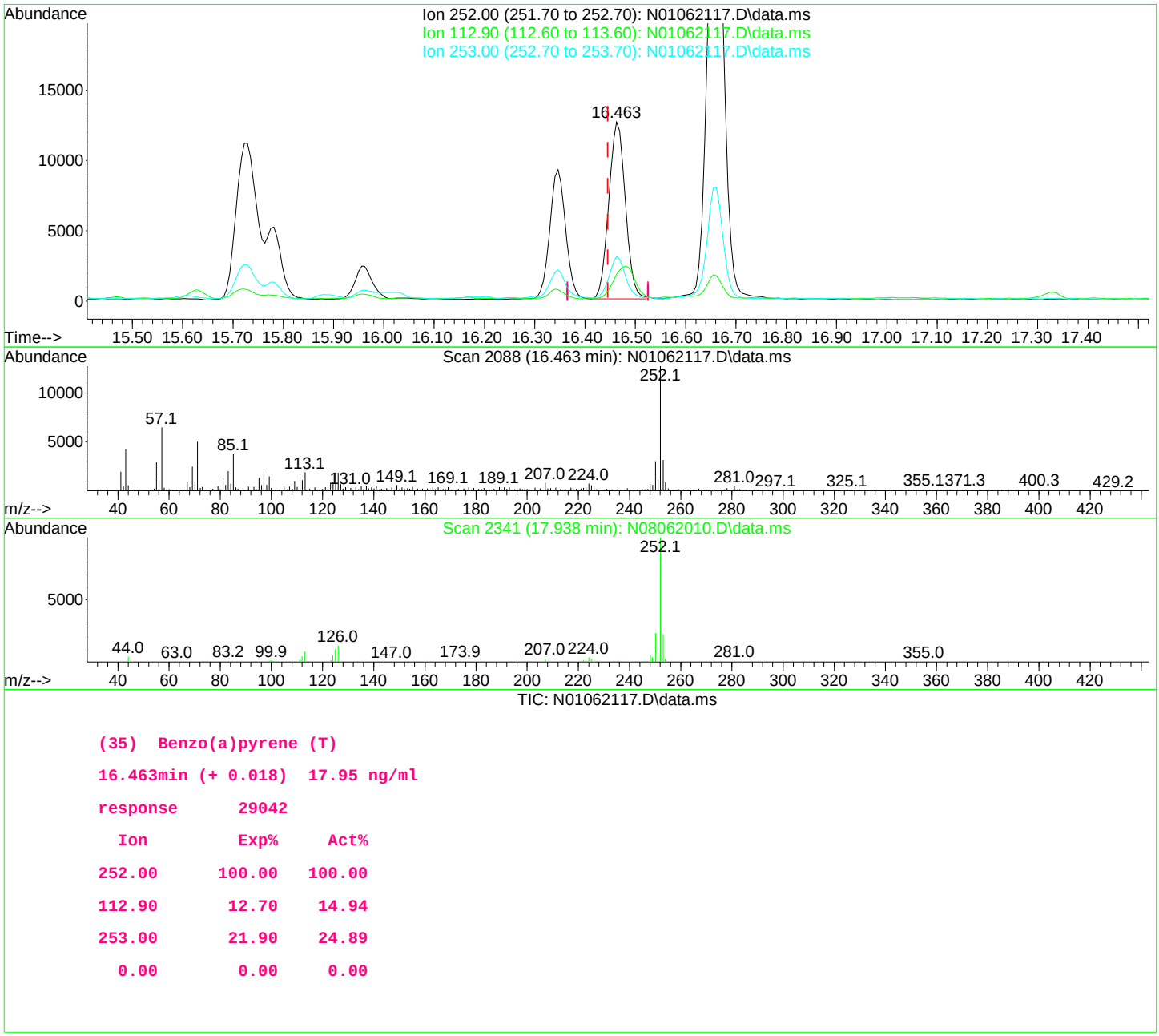
response 10224

Ion	Exp%	Act%
252.00	100.00	100.00
125.90	22.10	13.24
253.00	21.50	25.68
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062117.D
Acq On : 06 Jan 2021 04:57 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-04
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 06 17:33:51 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01062117.D\data.ms

(35) Benzo(a)pyrene (T)

16.463min (+ 0.018) 17.95 ng/ml

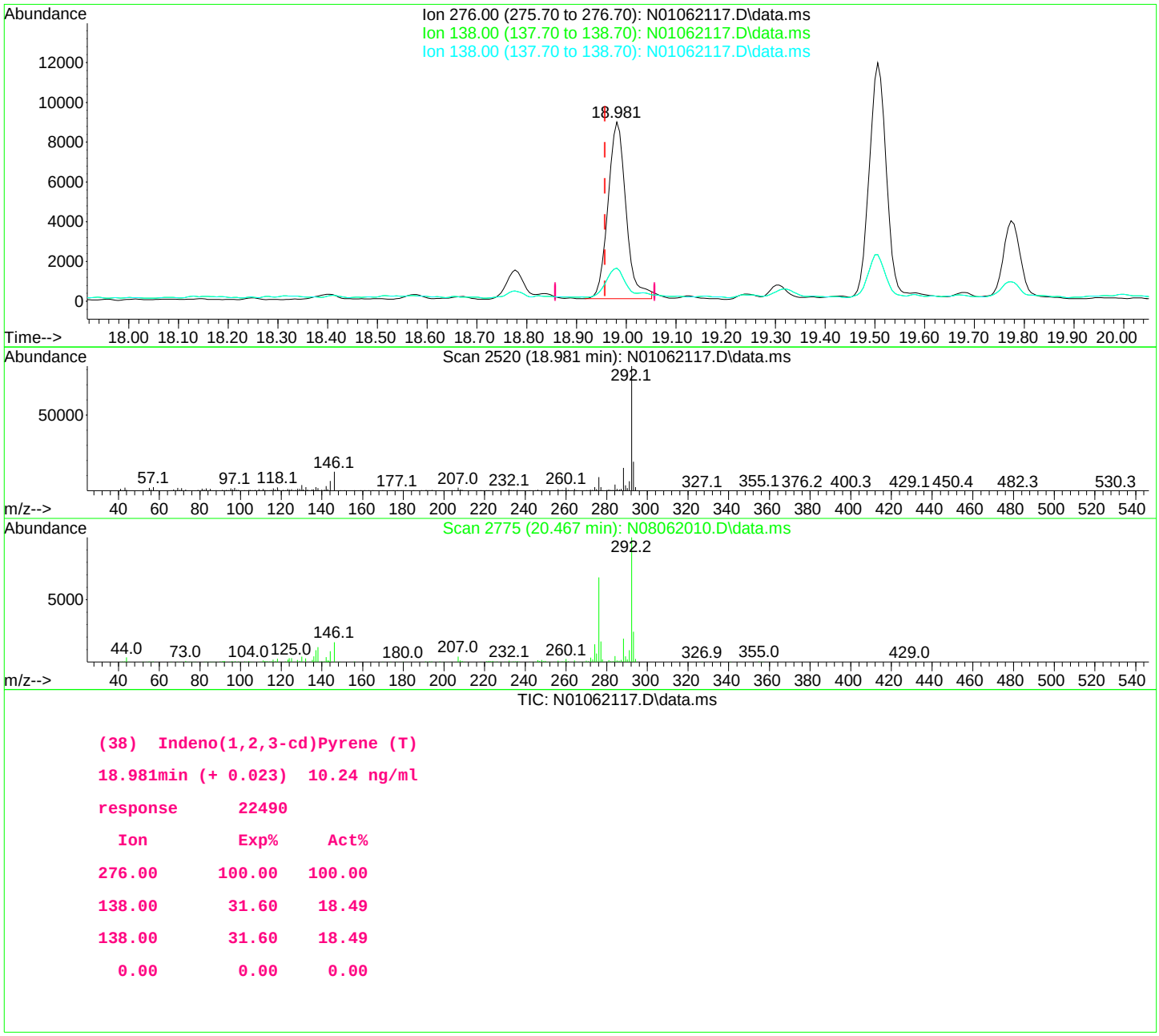
response 29042

Ion	Exp%	Act%
252.00	100.00	100.00
112.90	12.70	14.94
253.00	21.90	24.89
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062117.D
Acq On : 06 Jan 2021 04:57 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-04
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 06 17:33:51 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01062117.D\data.ms

(38) Indeno(1,2,3-cd)Pyrene (T)

18.981min (+ 0.023) 10.24 ng/ml

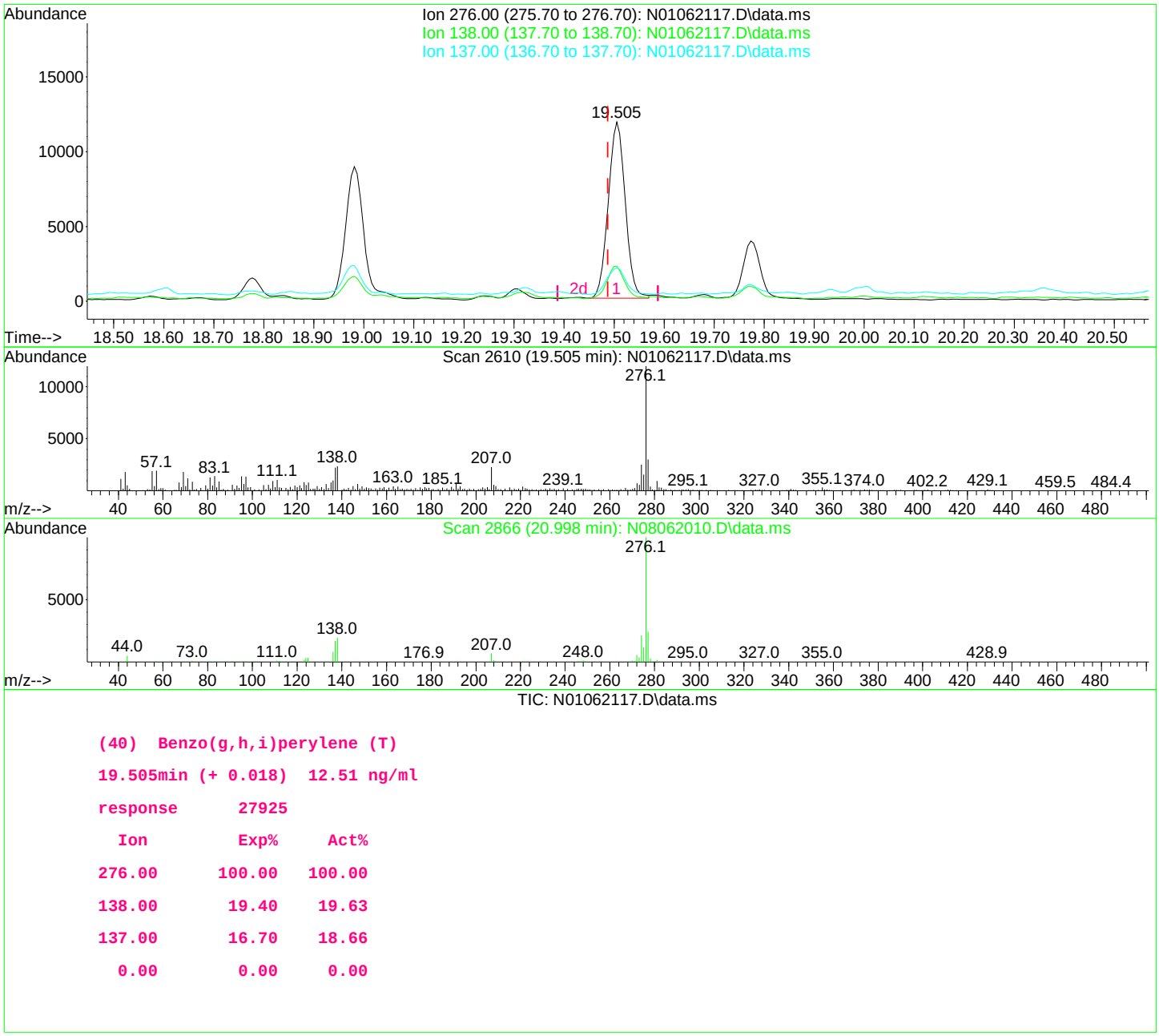
response 22490

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	31.60	18.49
138.00	31.60	18.49
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062117.D
Acq On : 06 Jan 2021 04:57 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-04
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 06 17:33:51 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01062117.D\data.ms

(40) Benzo(g,h,i)perylene (T)

19.505min (+ 0.018) 12.51 ng/ml

response 27925

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	19.40	19.63
137.00	16.70	18.66
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

AMS 1/7/21

M05

Data Path : U:\data\2021-01\1A06048\
Data File : N01062118.D
Acq On : 06 Jan 2021 05:29 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-05
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 07 11:28:43 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.090	136	171143	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	8.827	162	111141	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.319	188	207368	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	13.379	240	216657	100.00	ng/ml	0.01
30) Perylene-d12 (ISTD)	16.603	264	227680	100.00	ng/ml	0.02
37) Dibenz(a,h)Anthrcene-d...	18.981	292	210149	100.00	ng/ml	0.02
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	6.414	82	31522	65.75	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.157	172	122557	77.12	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	9.626	330	36289	136.98	ng/ml	0.00
27) Terphenyl-d14 (Surr)	11.946	244	194211	93.23	ng/ml	0.01
Target Compounds						Qvalue
3) Decalin	6.566	138	161	1.58	ng/ml#	1
4) Naphthalene	7.114	128	10101	5.72	ng/ml	92
5) 2-Methylnaphthalene	7.790	142	4300	3.37	ng/ml	96
6) 1-Methylnaphthalene	7.889	142	2849	2.23	ng/ml	89
7) 1,1'-Biphenyl	8.256	154	3100	1.91	ng/ml	93
8) 2,6-Dimethylnaphthalene	8.419	156	3810	3.20	ng/ml	99
11) Acenaphthylene	8.682	152	4206	2.26	ng/ml	86
12) Acenaphthene	8.856	153	20014	14.70	ng/ml	100
13) Dibenzofuran	9.031	168	2330	1.36	ng/ml#	1
14) 1,6,7-Trimethylnaphtha...	9.247	170	3048	2.47	ng/ml	90
15) Fluorene	9.375	166	5658	4.08	ng/ml	91
18) Pentachlorophenol (PCP)	10.156	266	419	13.01	ng/ml	88
19) Dibenzothiopene	10.209	184	9299	4.62	ng/ml	93
20) Phenanthrene	10.343	178	105149	46.85	ng/ml	98
21) Anthracene	10.389	178	12714	6.92	ng/ml	90
22) Carbazole	10.570	167	5104	3.74	ng/ml	84
23) 1-Methylphenanthrene	10.961	192	4885	3.03	ng/ml	93
24) Fluoranthene	11.543	202	140155	60.20	ng/ml	94
26) Pyrene	11.771	202	164494	56.70	ng/ml	98
28) Benz(a)anthracene	13.362	228	51805	23.92	ng/ml	87
29) Chrysene	13.426	228	54452	24.33	ng/ml	95
31) Benzo(b)fluoranthene	15.728	252	70999	30.75	ng/ml	89
32) Benzo(k)fluoranthene	15.787	252	25036m	11.49	ng/ml	

M05

Quantitation Report (QT Reviewed)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062118.D
Acq On : 06 Jan 2021 05:29 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-05
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 07 11:28:43 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	15.728	252	96382	41.02	ng/ml	87
34) Benzo(e)pyrene	16.346	252	40045	17.44	ng/ml	97
35) Benzo(a)pyrene	16.469	252	59863	35.76	ng/ml	98
36) Perylene	16.661	252	110187	44.34	ng/ml	99
38) Indeno(1,2,3-cd)Pyrene	18.987	276	38865	17.18	ng/ml	75
39) Dibenz(a,h)anthracene	19.045	278	5573	2.51	ng/ml	98
40) Benzo(g,h,i)perylene	19.511	276	42678	18.56	ng/ml	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : U:\data\2021-01\1A06048\
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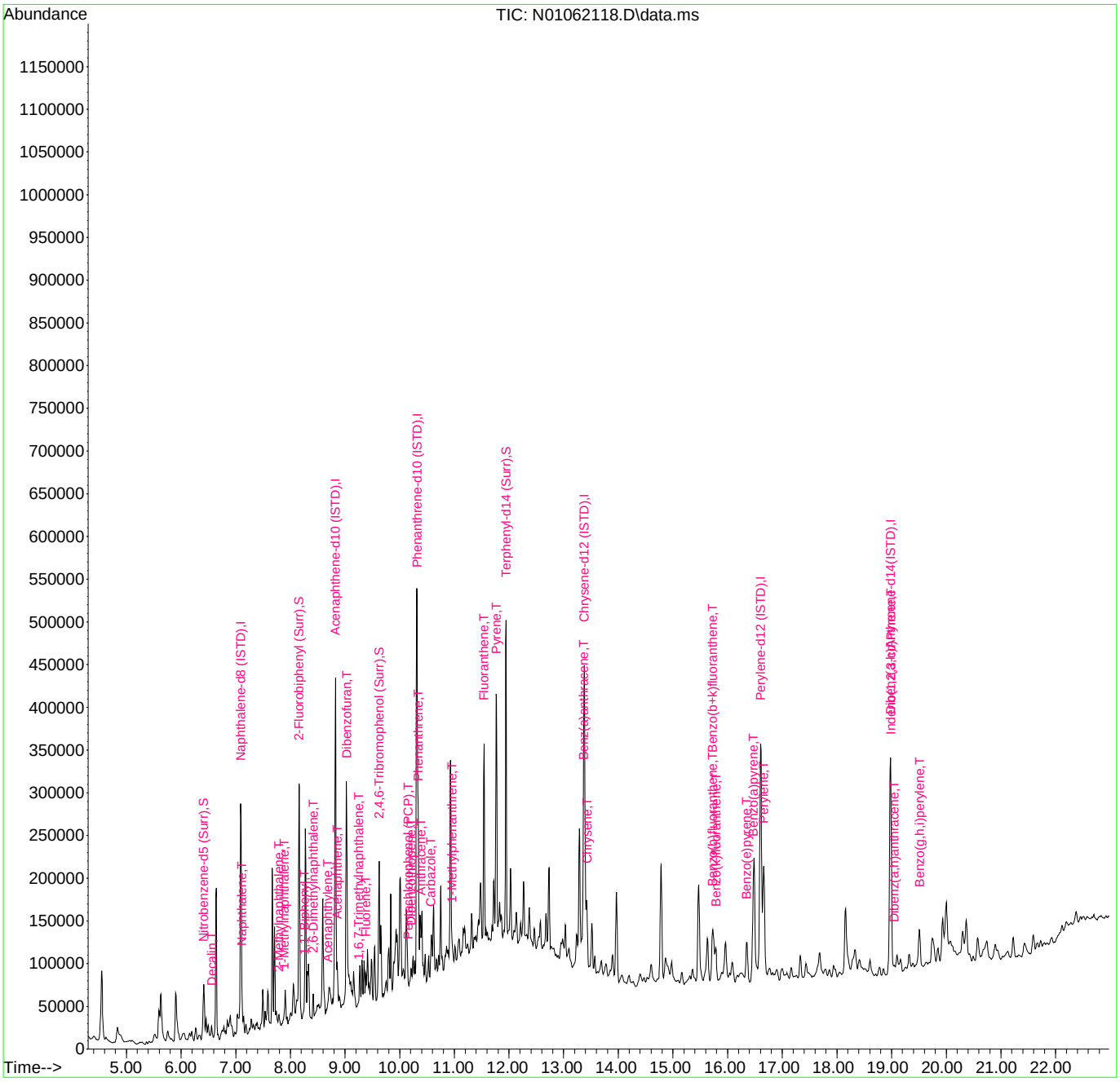

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062118.D
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Operator : JK/ AMS/ DTH
Sample : A0K0482-05
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 07 11:27:38 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.090	136	171143	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	8.827	162	111141	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.319	188	207368	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	13.379	240	216657	100.00	ng/ml	0.01
30) Perylene-d12 (ISTD)	16.603	264	227680	100.00	ng/ml	0.02
37) Dibenz(a,h)Anthrcene-d...	18.981	292	210149	100.00	ng/ml	0.02
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	6.414	82	31522	65.75	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.157	172	122557	77.12	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	9.626	330	36289	136.98	ng/ml	0.00
27) Terphenyl-d14 (Surr)	11.946	244	194211	93.23	ng/ml	0.01
Target Compounds						Qvalue
3) Decalin	6.566	138	161	1.58	ng/ml#	1
4) Naphthalene	7.114	128	10101	5.72	ng/ml	92
5) 2-Methylnaphthalene	7.790	142	4300	3.37	ng/ml	96
6) 1-Methylnaphthalene	7.889	142	2849	2.23	ng/ml	89
7) 1,1'-Biphenyl	8.256	154	3100	1.91	ng/ml	93
8) 2,6-Dimethylnaphthalene	8.419	156	3810	3.20	ng/ml	99
11) Acenaphthylene	8.682	152	4206	2.26	ng/ml	86
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29) Chrysene	13.426	228	54452	24.33	ng/ml	95
31) Benzo(b)fluoranthene	15.728	252	70999	30.75	ng/ml	89
32) Benzo(k)fluoranthene	15.728	252	93057	42.73	ng/ml	87

Quantitation Report (Not Reviewed)

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38) Indeno(1,2,3-cd)Pyrene	18.987	276	38865	17.18	ng/ml	75
39) Dibenz(a,h)anthracene	19.045	278	5573	2.51	ng/ml	98
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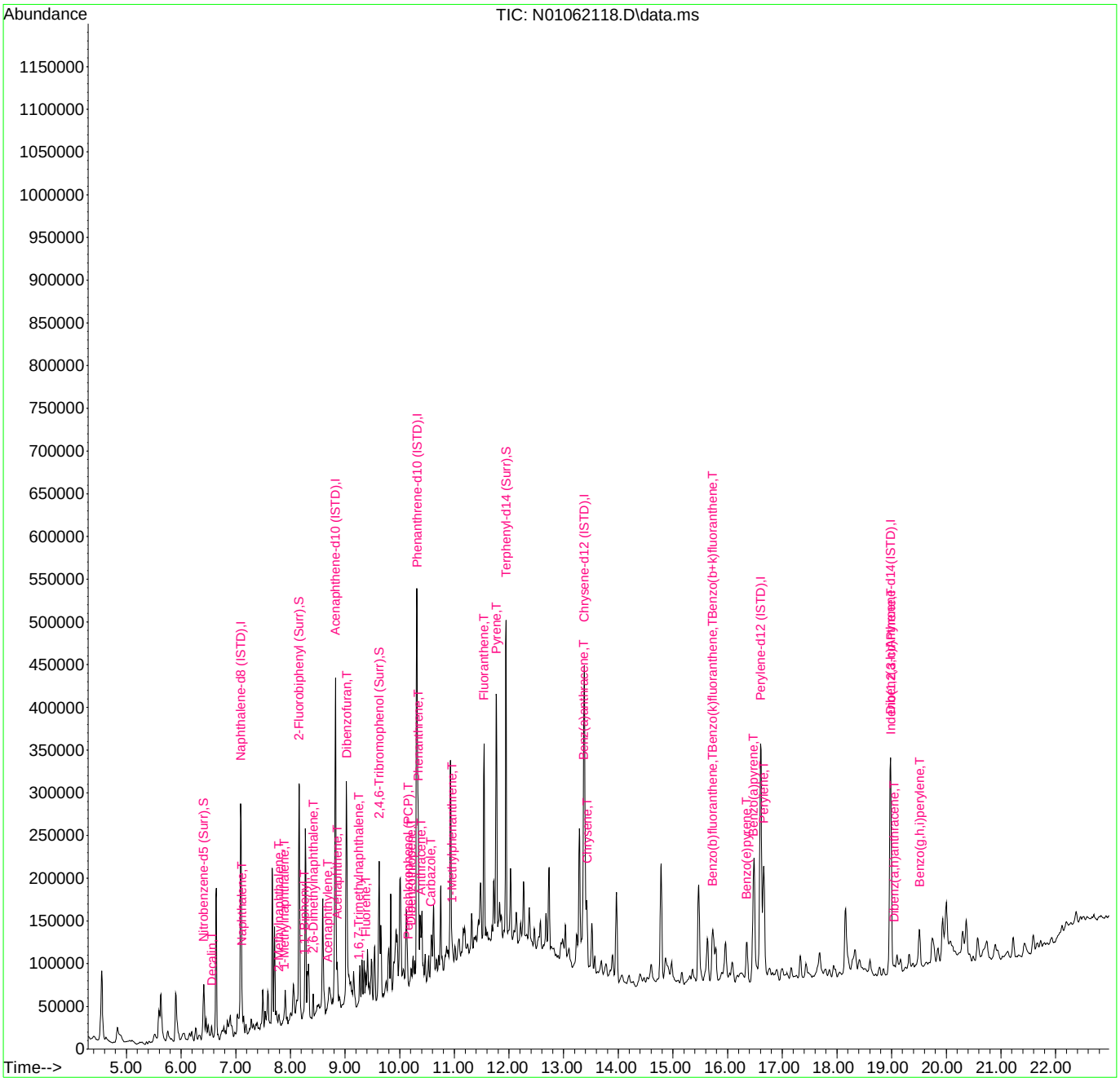

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062118.D
Acq On : 06 Jan 2021 05:29 pm
Operator : JK/ AMS/ DTH
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Quant Title : EPA 8270D: Semivolatile Organics
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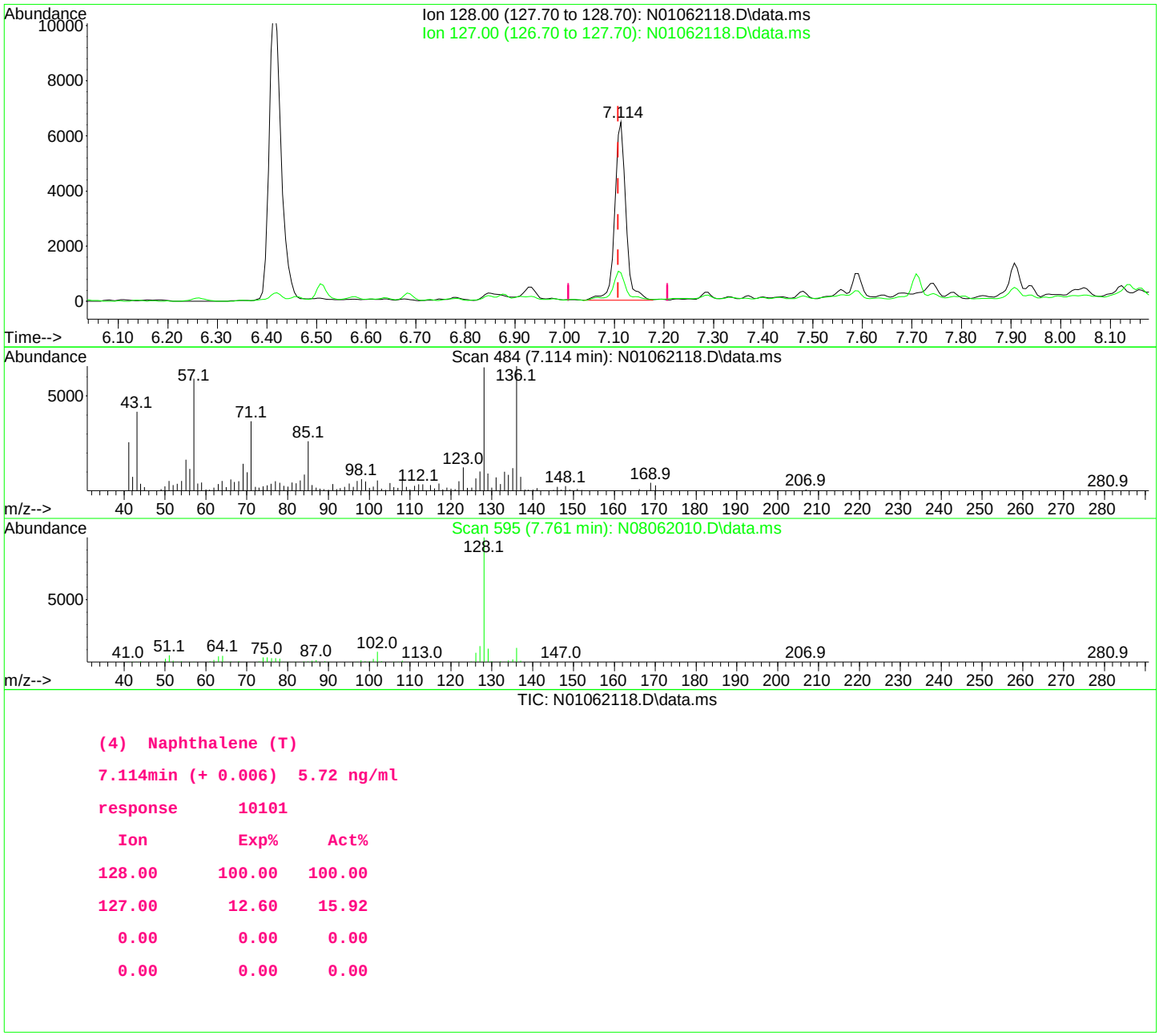

TIC: N01062118.D\data.ms

(4) Naphthalene (T)

7.114min (+ 0.006) 5.72 ng/ml

response 10101

Ion	Exp%	Act%
128.00	100.00	100.00
127.00	12.60	15.92
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062118.D
Acq On : 06 Jan 2021 05:29 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-05
Misc : 1x, 8270E LL PAH ONLY
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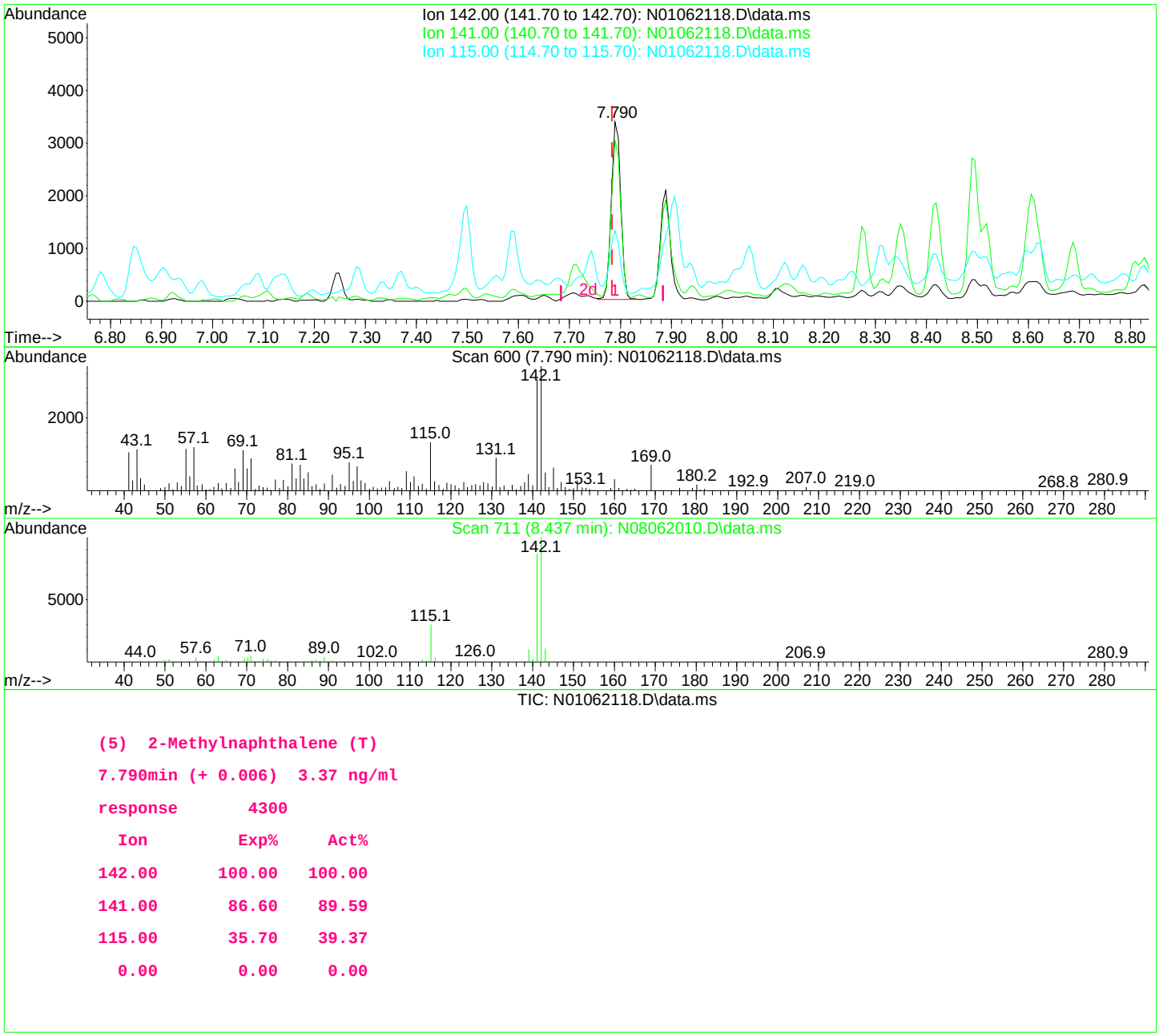

TIC: N01062118.D\data.ms

(5) 2-Methylnaphthalene (T)

7.790min (+ 0.006) 3.37 ng/ml

response 4300

Ion	Exp%	Act%
142.00	100.00	100.00
141.00	86.60	89.59
115.00	35.70	39.37
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
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Acq On : 06 Jan 2021 05:29 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-05
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 07 11:27:38 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
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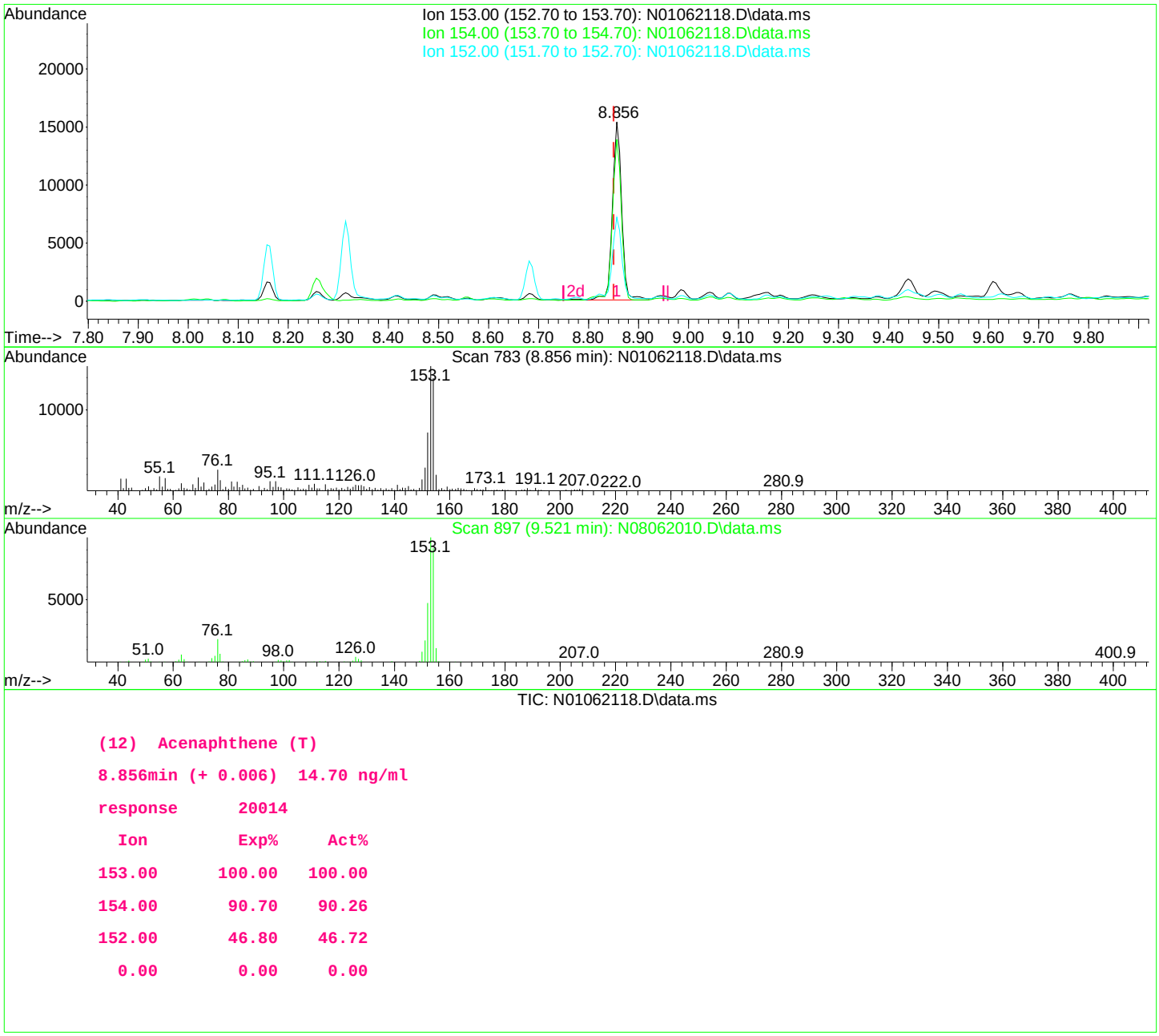

TIC: N01062118.D\data.ms

(12) Acenaphthene (T)

8.856min (+ 0.006) 14.70 ng/ml

response 20014

Ion	Exp%	Act%
153.00	100.00	100.00
154.00	90.70	90.26
152.00	46.80	46.72
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062118.D
Acq On : 06 Jan 2021 05:29 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-05
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 11 Sample Multiplier: 1

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Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
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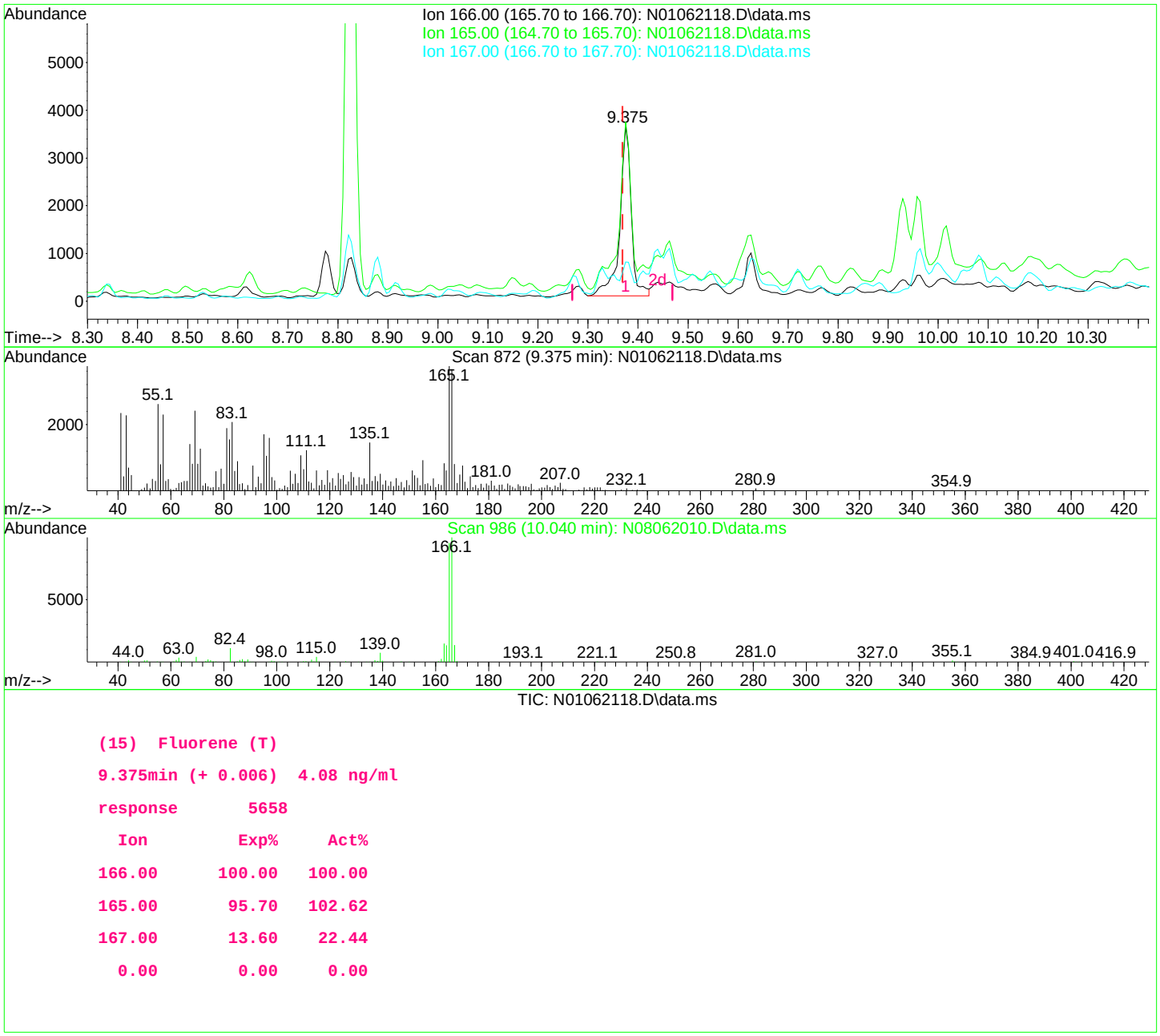

(15) Fluorene (T)

9.375min (+ 0.006) 4.08 ng/ml

response 5658

Ion	Exp%	Act%
166.00	100.00	100.00
165.00	95.70	102.62
167.00	13.60	22.44
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062118.D
Acq On : 06 Jan 2021 05:29 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-05
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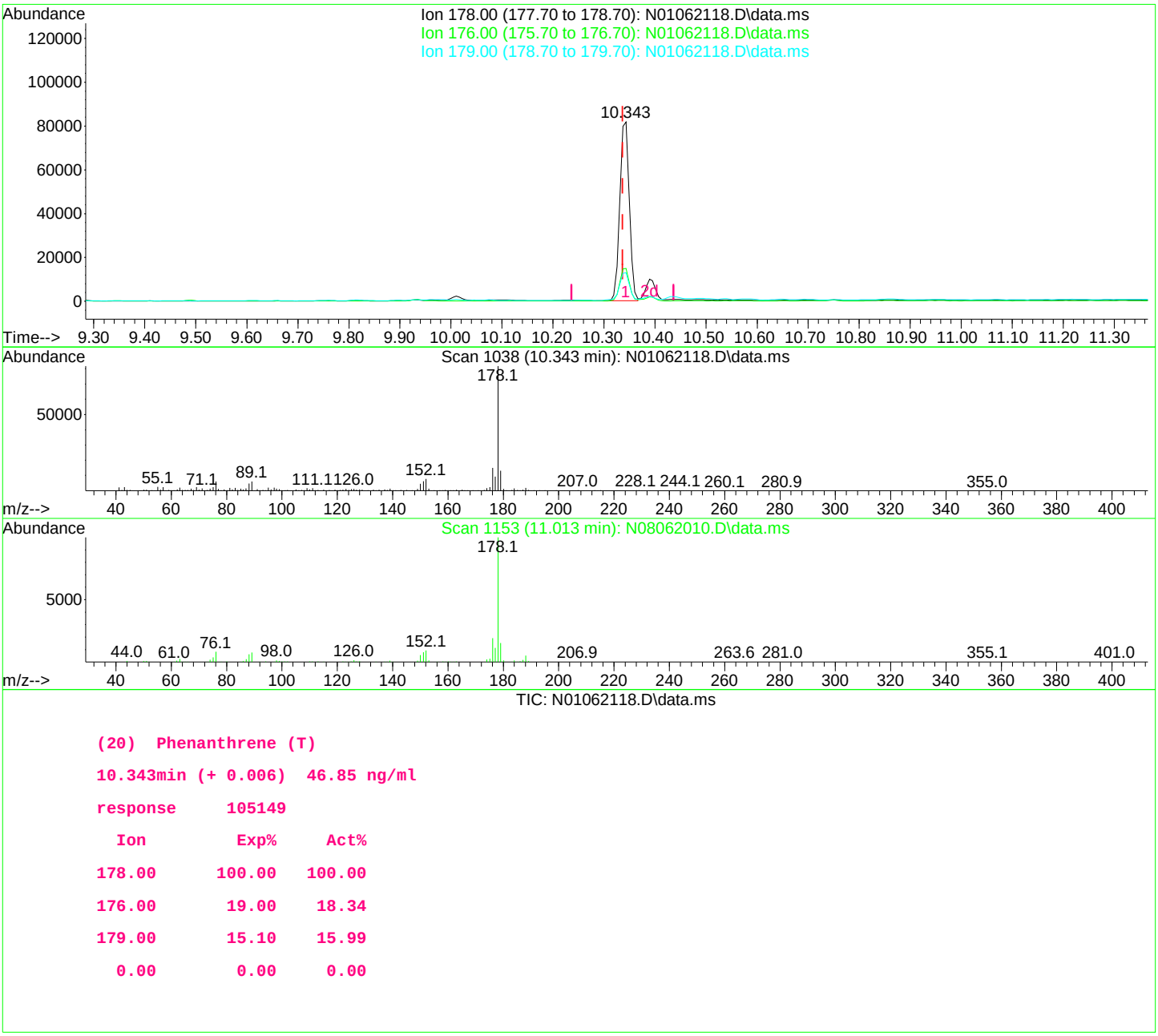

TIC: N01062118.D\data.ms

(20) Phenanthrene (T)

10.343min (+ 0.006) 46.85 ng/ml

response 105149

Ion	Exp%	Act%
178.00	100.00	100.00
176.00	19.00	18.34
179.00	15.10	15.99
0.00	0.00	0.00

Quantitation Report (Qedit)

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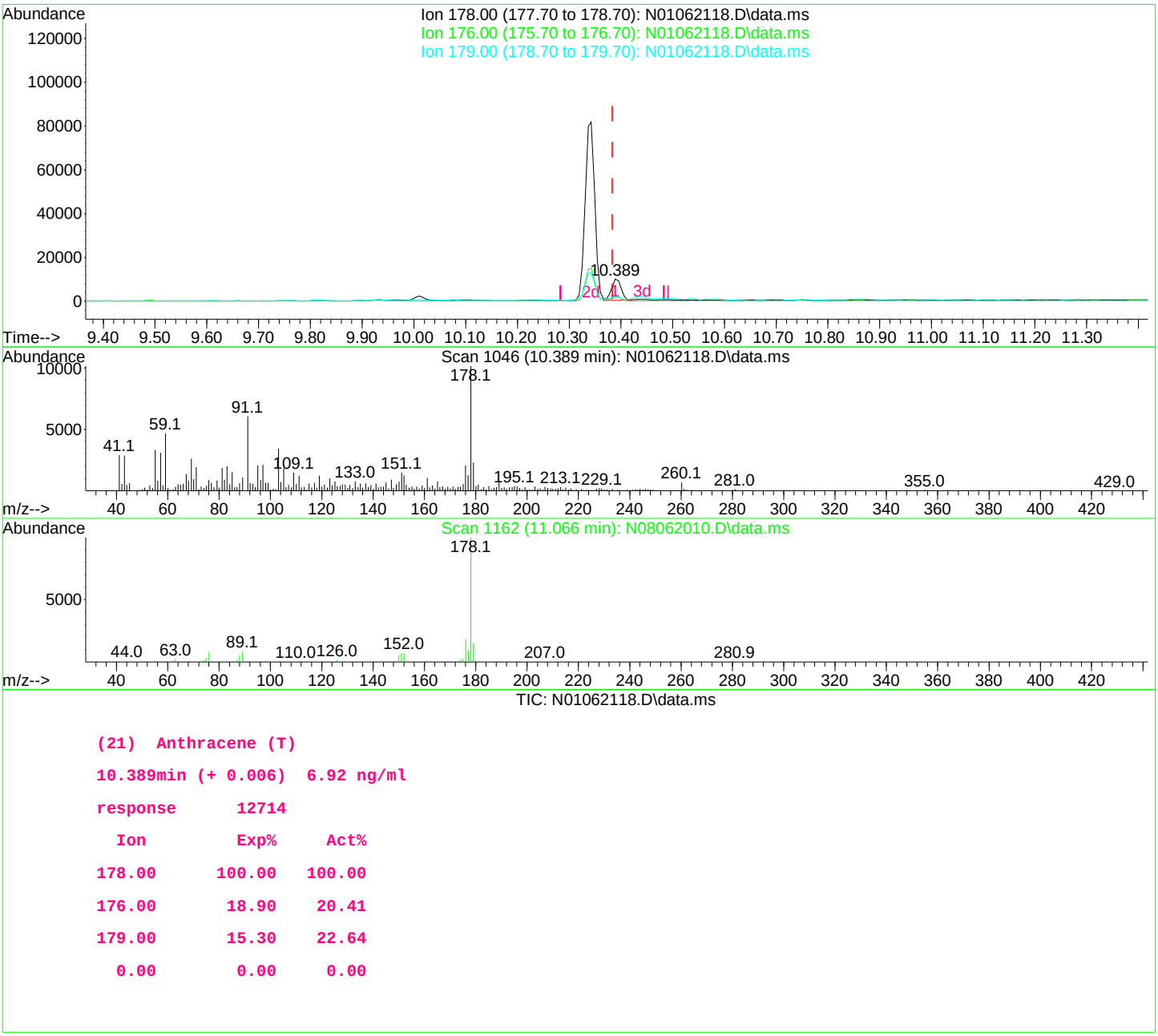

TIC: N01062118.D\data.ms

(21) Anthracene (T)

10.389min (+ 0.006) 6.92 ng/ml

response 12714

Ion	Exp%	Act%
178.00	100.00	100.00
176.00	18.90	20.41
179.00	15.30	22.64
0.00	0.00	0.00

Quantitation Report (Qedit)

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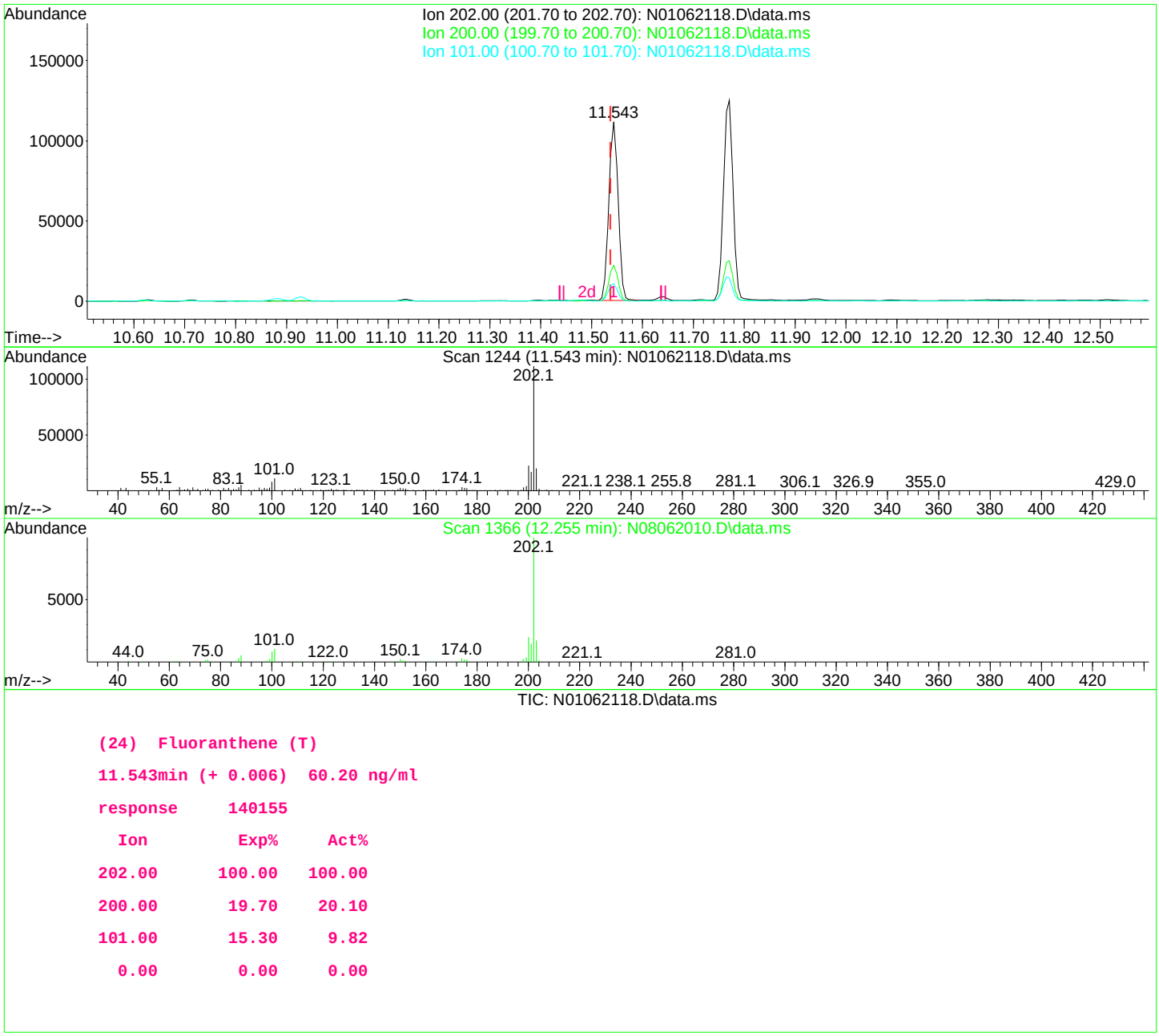

TIC: N01062118.D\data.ms

(24) Fluoranthene (T)

11.543min (+ 0.006) 60.20 ng/ml

response 140155

Ion	Exp%	Act%
202.00	100.00	100.00
200.00	19.70	20.10
101.00	15.30	9.82
0.00	0.00	0.00

Quantitation Report (Qedit)

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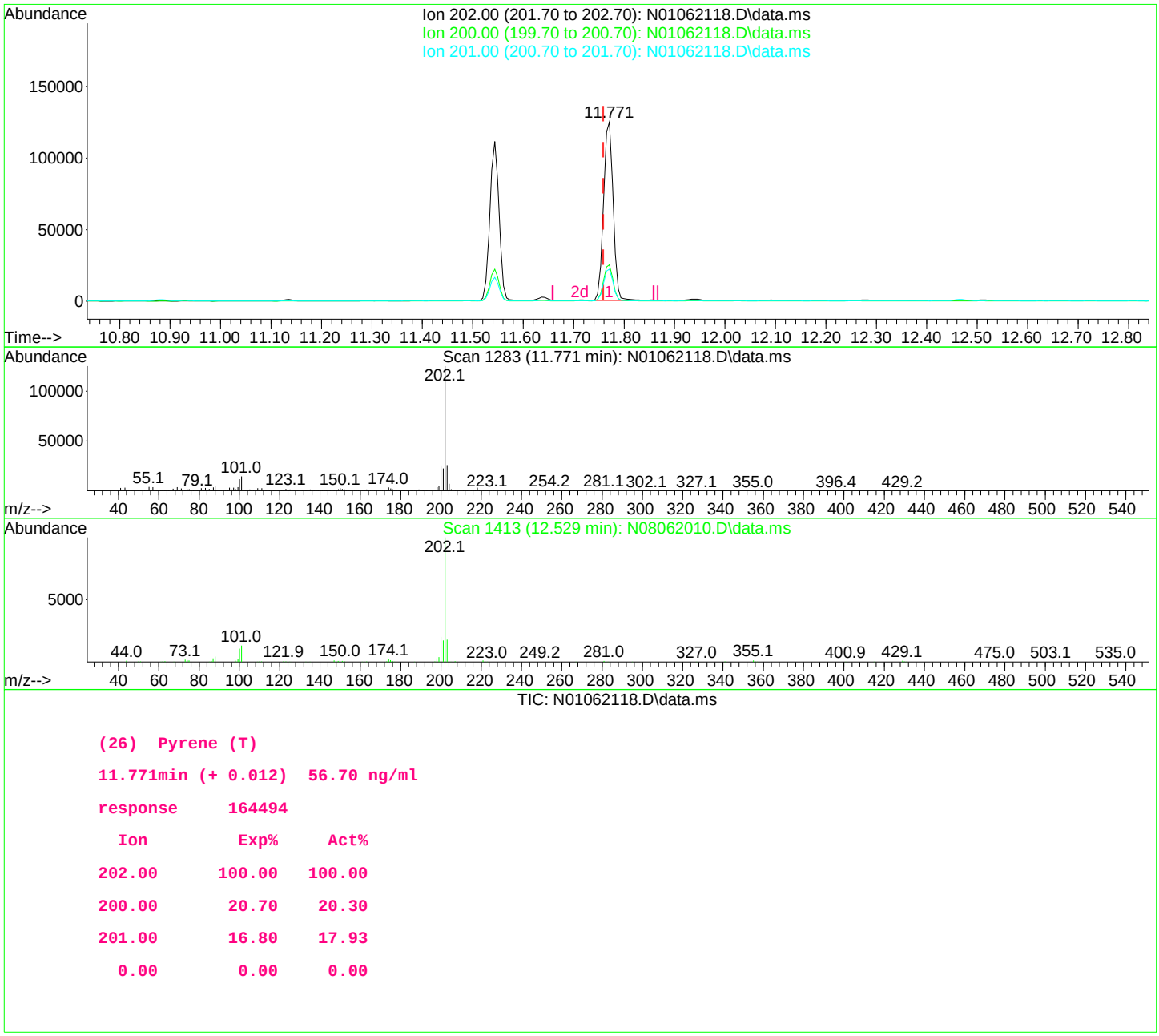

TIC: N01062118.D\data.ms

(26) Pyrene (T)

11.771min (+ 0.012) 56.70 ng/ml

response 164494

Ion	Exp%	Act%
202.00	100.00	100.00
200.00	20.70	20.30
201.00	16.80	17.93
0.00	0.00	0.00

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(28) Benz(a)anthracene (T)

13.362min (+ 0.012) 23.92 ng/ml

response 51805

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.40	21.77
226.00	26.20	35.51
0.00	0.00	0.00

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(29) Chrysene (T)

13.426min (+ 0.018) 24.33 ng/ml

response 54452

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.60	22.50
226.00	28.60	30.46
0.00	0.00	0.00

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TIC: N01062118.D\data.ms

(31) Benzo(b)fluoranthene (T)

15.728min (+ 0.023) 30.75 ng/ml

response 70999

Ion	Exp%	Act%
252.00	100.00	100.00
126.00	20.00	11.66
253.00	21.10	22.87
0.00	0.00	0.00

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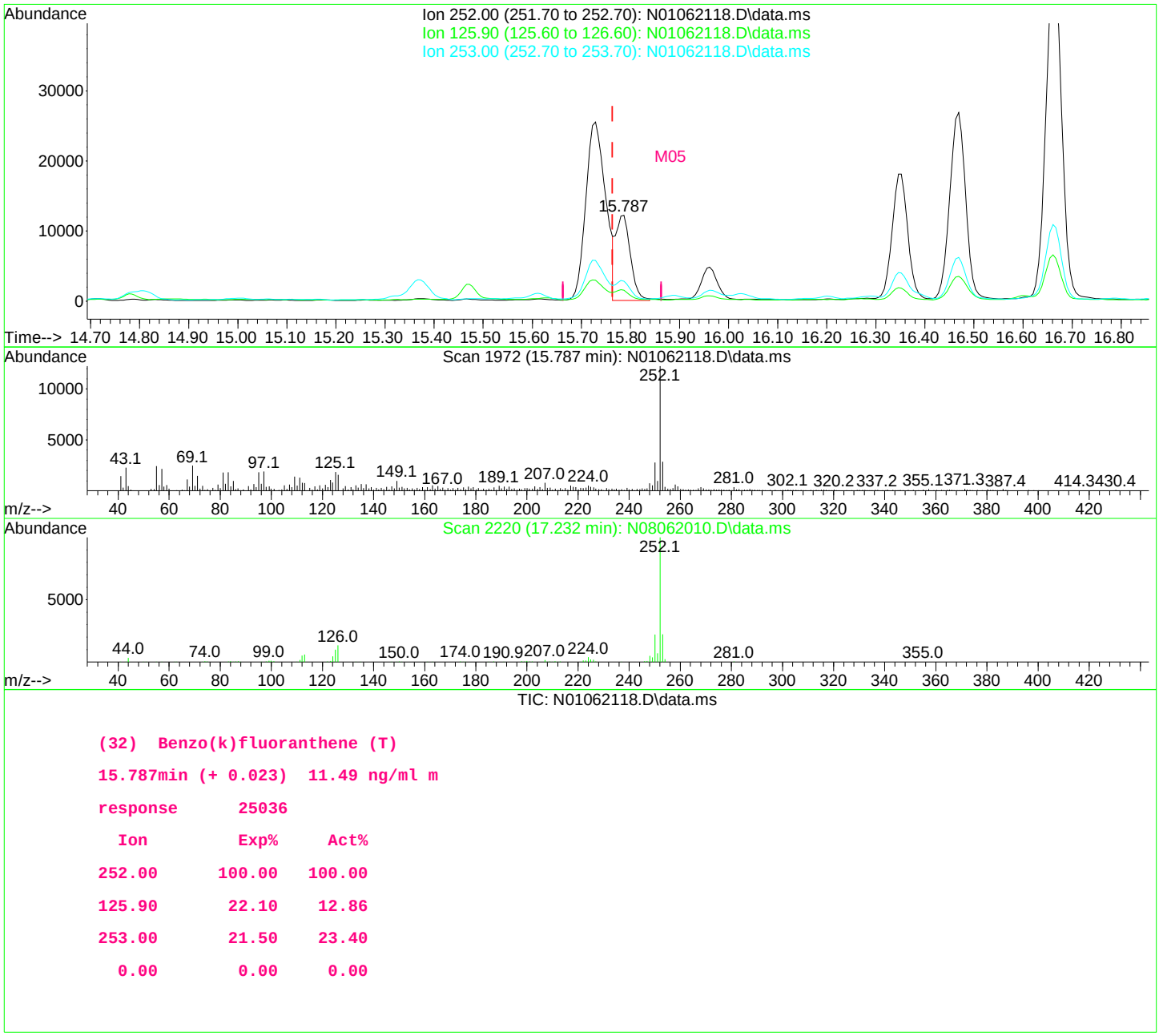

(32) Benzo(k)fluoranthene (T)

15.787min (+ 0.023) 11.49 ng/ml m

response 25036

Ion	Exp%	Act%
252.00	100.00	100.00
125.90	22.10	12.86
253.00	21.50	23.40
0.00	0.00	0.00

Quantitation Report (Qedit)

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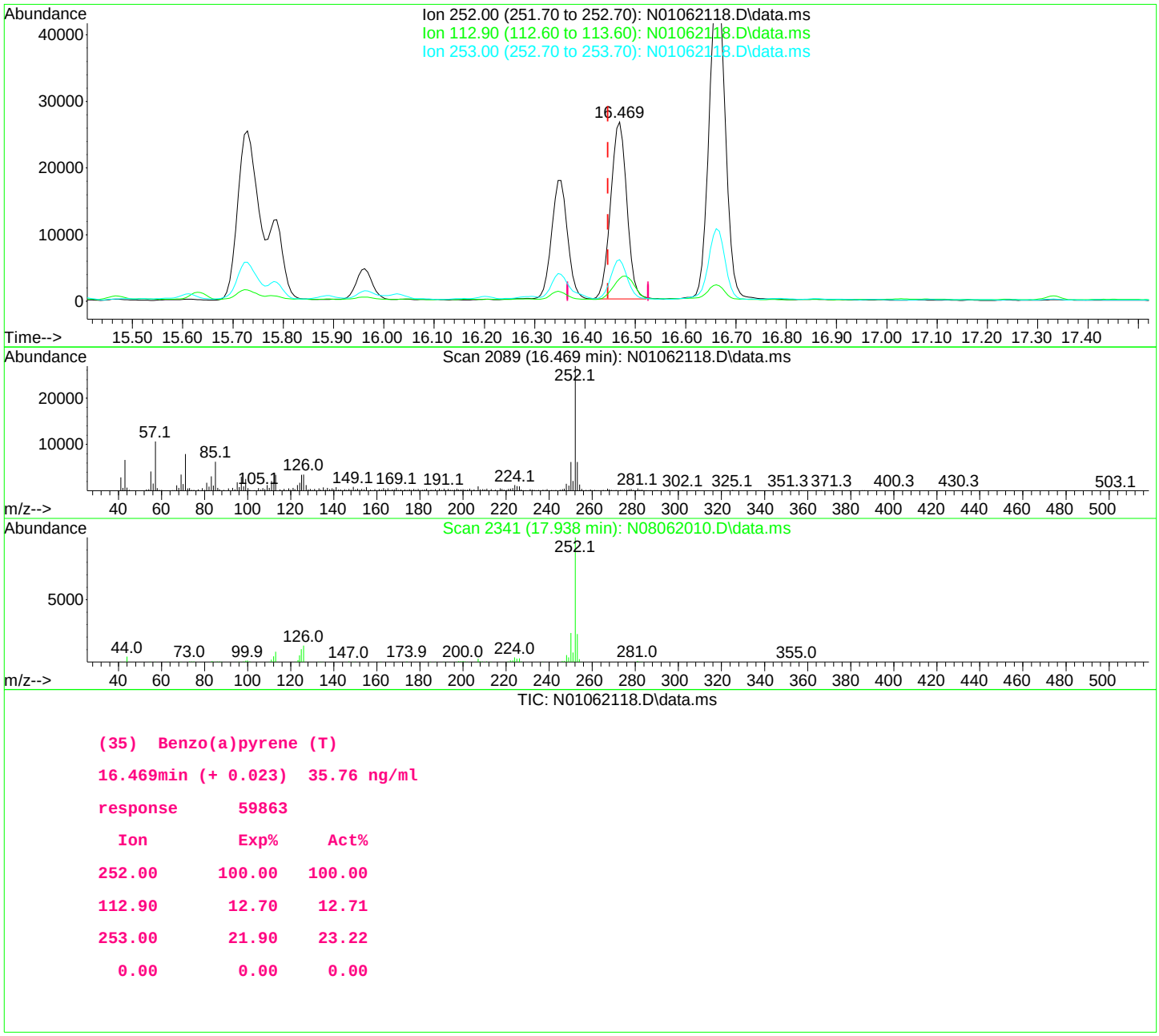
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01062118.D\data.ms

(35) Benzo(a)pyrene (T)

16.469min (+ 0.023) 35.76 ng/ml

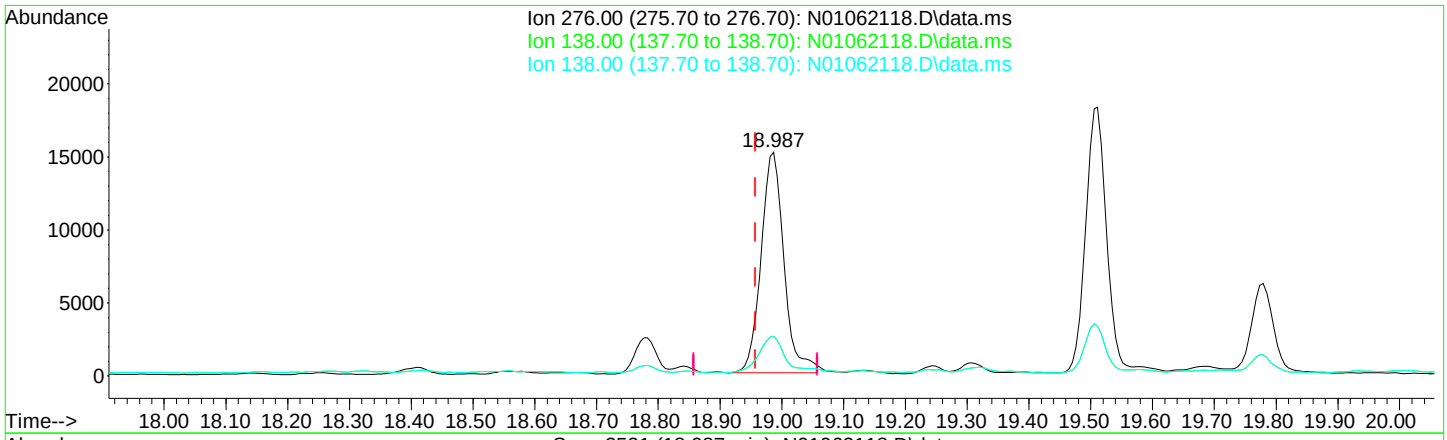
response 59863

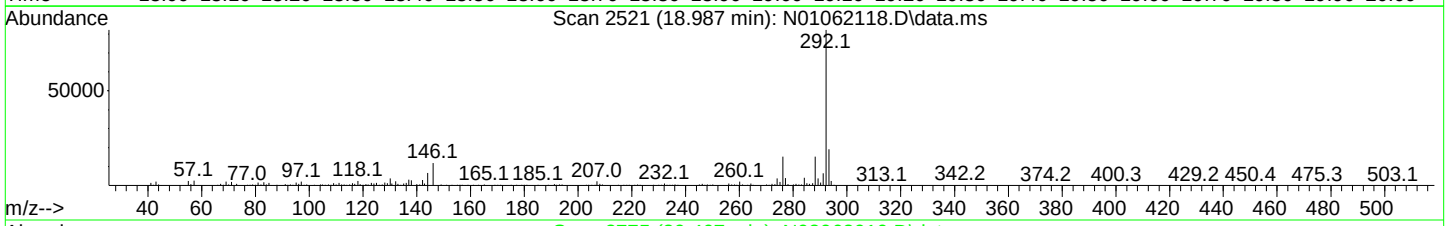
Ion	Exp%	Act%
252.00	100.00	100.00
112.90	12.70	12.71
253.00	21.90	23.22
0.00	0.00	0.00

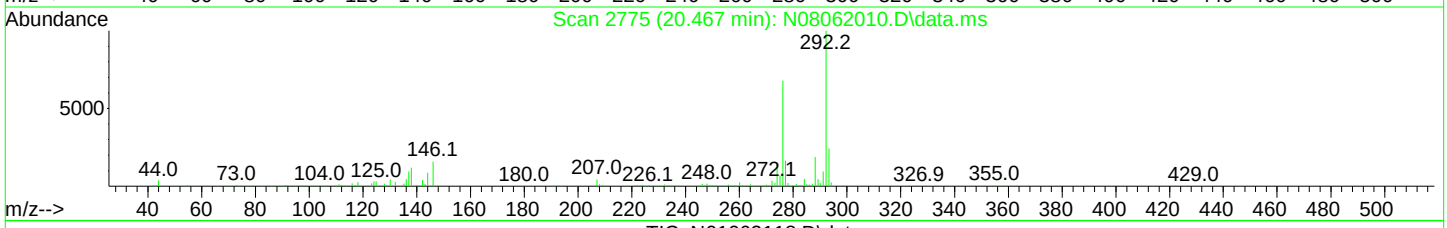
Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062118.D
Acq On : 06 Jan 2021 05:29 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-05
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 07 11:27:38 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration







TIC: N01062118.D\data.ms

(38) Indeno(1,2,3-cd)Pyrene (T)

18.987min (+ 0.029) 17.18 ng/ml

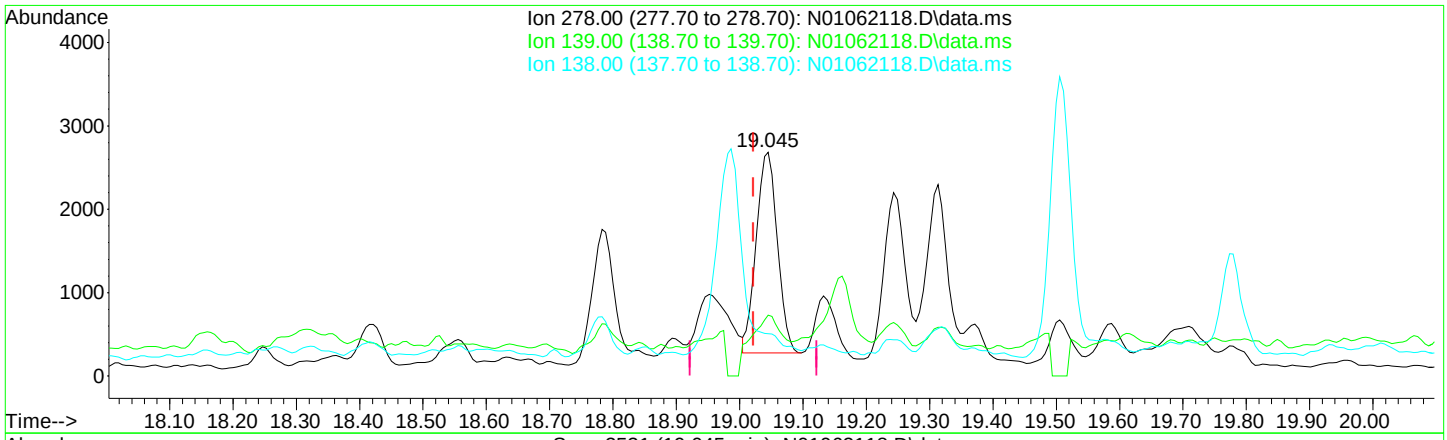
response 38865

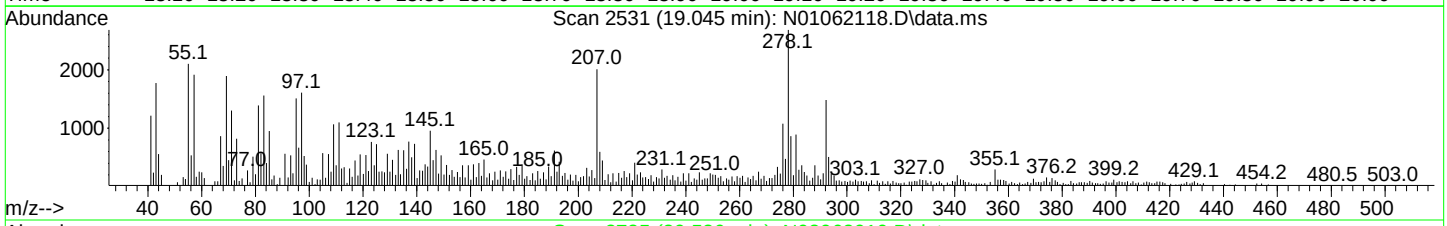
Ion	Exp%	Act%
276.00	100.00	100.00
138.00	31.60	17.79
138.00	31.60	17.79
0.00	0.00	0.00

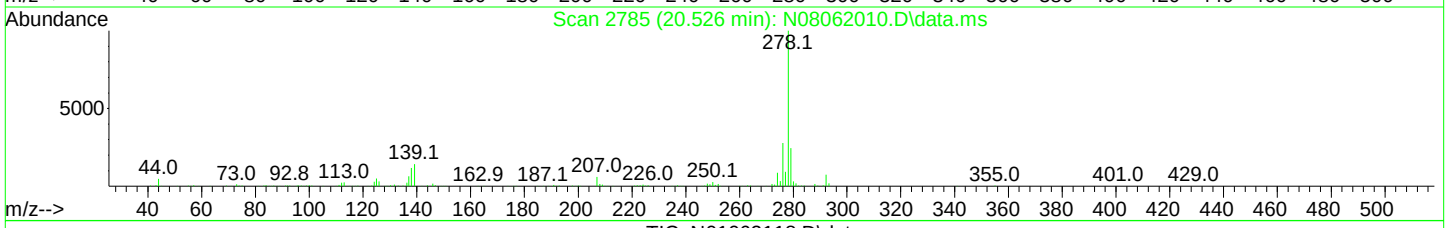
Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062118.D
Acq On : 06 Jan 2021 05:29 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-05
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 07 11:27:38 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration







TIC: N01062118.D\data.ms

(39) Dibenz(a,h)anthracene (T)

19.045min (+ 0.023) 2.51 ng/ml

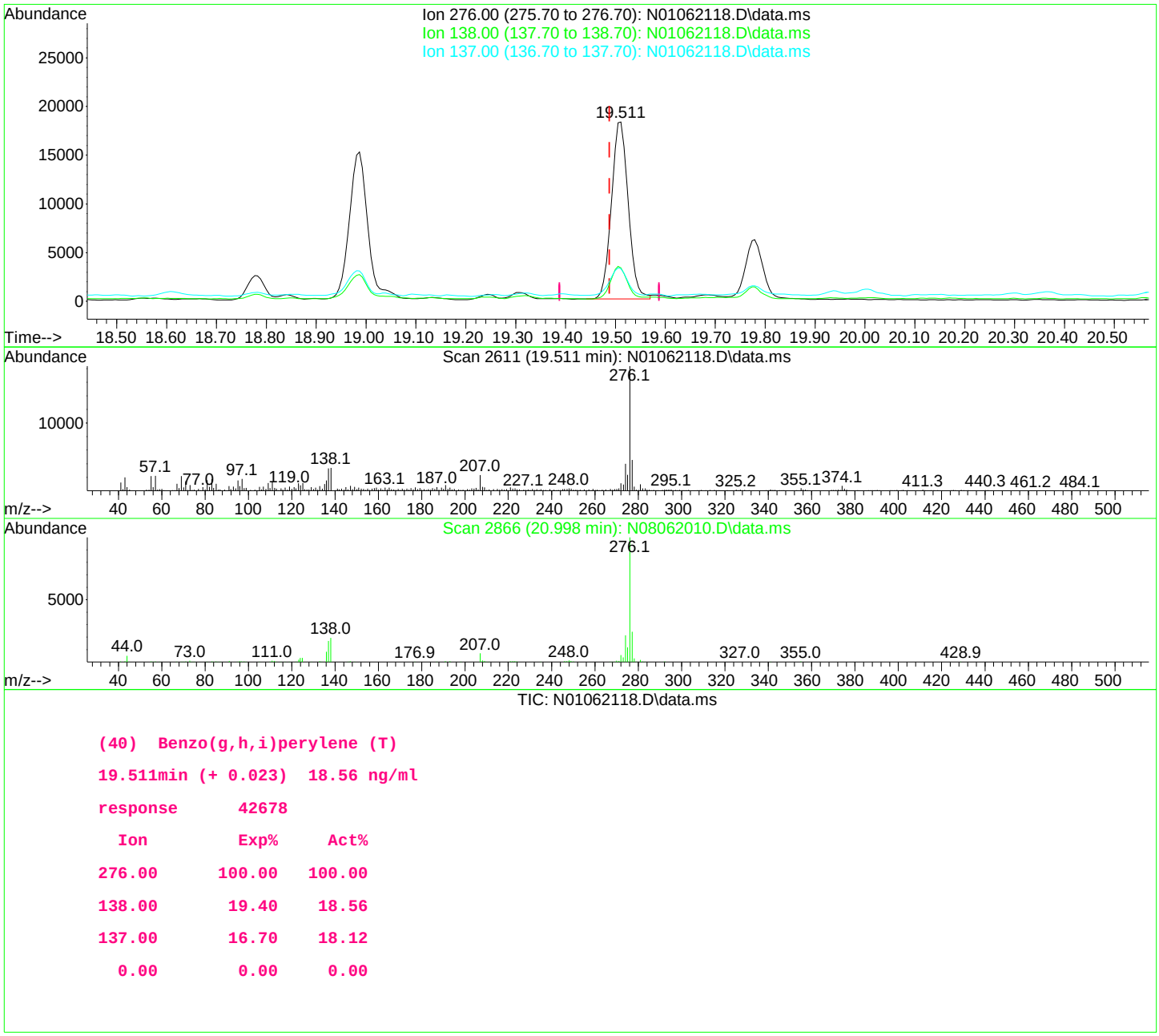
response 5573

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	26.00	27.24
138.00	19.90	18.82
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062118.D
Acq On : 06 Jan 2021 05:29 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-05
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 07 11:27:38 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01062118.D\data.ms

(40) Benzo(g,h,i)perylene (T)

19.511min (+ 0.023) 18.56 ng/ml

response 42678

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	19.40	18.56
137.00	16.70	18.12
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

AMS 1/7/21

M05

Data Path : U:\data\2021-01\1A06048\
Data File : N01062119.D
Acq On : 06 Jan 2021 06:01 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-11@40
Misc : 40x, 8270E LL PAH ONLY
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 07 11:33:36 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.091	136	160159	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	8.827	162	94305	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.314	188	156209	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	13.380	240	143962	100.00	ng/ml	0.01
30) Perylene-d12 (ISTD)	16.603	264	155254	100.00	ng/ml	0.02
37) Dibenz(a,h)Anthrcene-d...	18.981	292	140780	100.00	ng/ml	0.02
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	6.420	82	863	1.92	ng/ml	0.01
10) 2-Fluorobiphenyl (Surr)	8.157	172	2355	1.75	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	9.626	330	633	5.14	ng/ml	0.00
27) Terphenyl-d14 (Surr)	11.940	244	3816	2.76	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	0.000		0	N.D.		
4) Naphthalene	7.114	128	22704	13.75	ng/ml	99
5) 2-Methylnaphthalene	7.790	142	4789	4.01	ng/ml	98
6) 1-Methylnaphthalene	7.889	142	1689	1.41	ng/ml	96
7) 1,1'-Biphenyl	8.256	154	2585	1.70	ng/ml	94
8) 2,6-Dimethylnaphthalene	8.419	156	2091	1.88	ng/ml	95
11) Acenaphthylene	8.682	152	13470	8.52	ng/ml	94
12) Acenaphthene	8.857	153	9951	8.62	ng/ml	98
13) Dibenzofuran	9.031	168	2516	1.73	ng/ml	89
14) 1,6,7-Trimethylnaphtha...	9.247	170	1380	1.32	ng/ml	84
15) Fluorene	9.375	166	6002	5.10	ng/ml	96
18) Pentachlorophenol (PCP)	10.156	266	100	10.23	ng/ml#	71
19) Dibenzothiopene	10.209	184	5557	3.66	ng/ml	90
20) Phenanthrene	10.337	178	80061	47.36	ng/ml	99
21) Anthracene	10.390	178	14088	10.17	ng/ml	94
22) Carbazole	10.570	167	3085	3.00	ng/ml	74
23) 1-Methylphenanthrene	10.937	192	13480	11.09	ng/ml	66
24) Fluoranthene	11.544	202	149493	85.24	ng/ml	94
26) Pyrene	11.765	202	183360	95.12	ng/ml	98
28) Benz(a)anthracene	13.362	228	64887	45.09	ng/ml	66
29) Chrysene	13.420	228	79565	53.50	ng/ml	97
31) Benzo(b)fluoranthene	15.729	252	106707	67.78	ng/ml	89
32) Benzo(k)fluoranthene	15.781	252	35601m	23.97	ng/ml	89

M05

Quantitation Report (QT Reviewed)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062119.D
Acq On : 06 Jan 2021 06:01 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-11@40
Misc : 40x, 8270E LL PAH ONLY
ALS Vial : 12 Sample Multiplier: 1

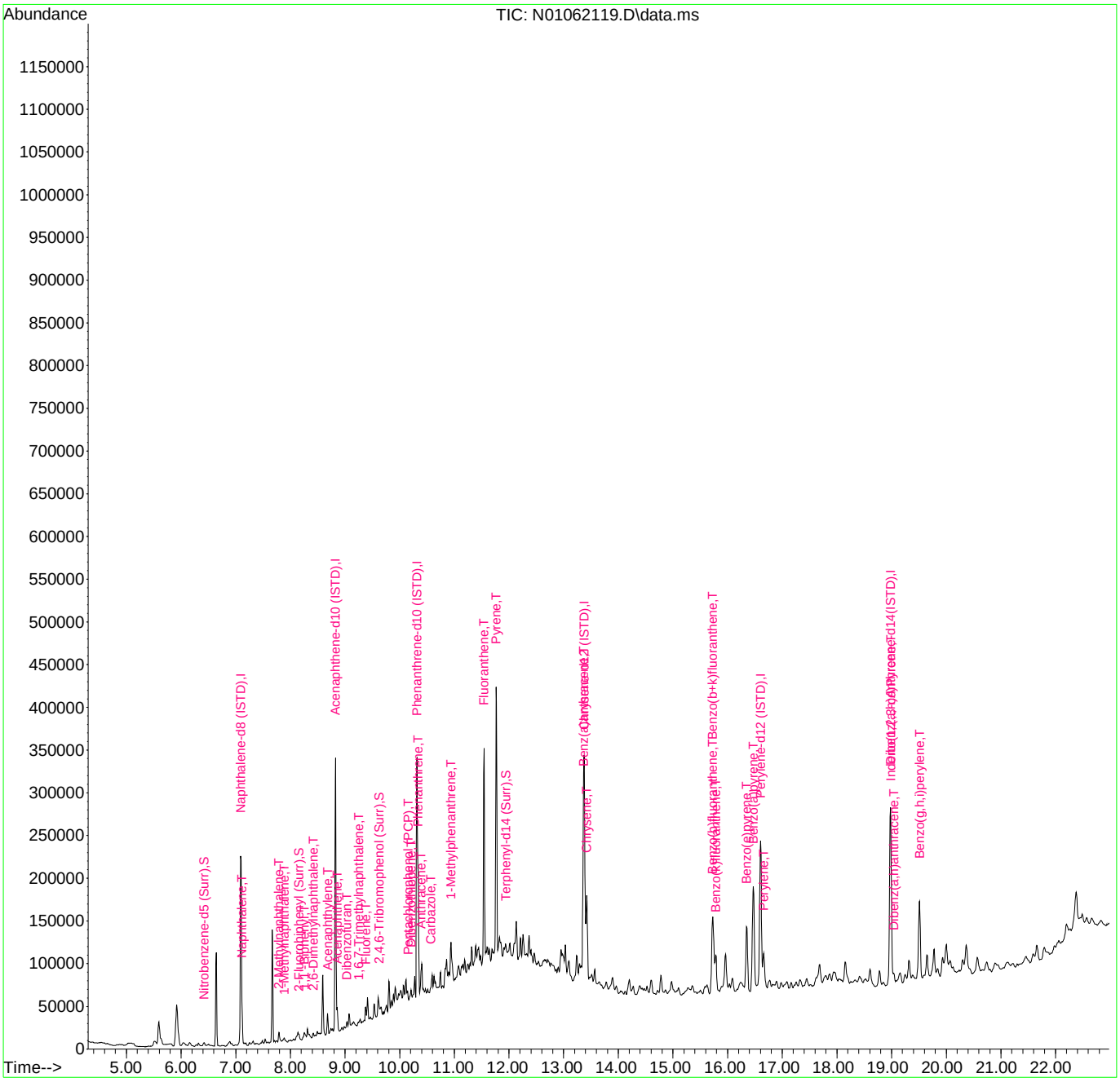
Quant Time: Jan 07 11:33:36 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	15.729	252	148249	92.53	ng/ml	87
34) Benzo(e)pyrene	16.346	252	70249	44.87	ng/ml	97
35) Benzo(a)pyrene	16.469	252	97954	85.82	ng/ml	96
36) Perylene	16.661	252	36330	21.44	ng/ml	97
38) Indeno(1,2,3-cd)Pyrene	18.987	276	73865	48.75	ng/ml	72
39) Dibenz(a,h)anthracene	19.039	278	9716	6.52	ng/ml	89
40) Benzo(g,h,i)perylene	19.511	276	89985	58.41	ng/ml	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : U:\data\2021-01\1A06048\
Data File : N01062119.D
Acq On : 06 Jan 2021 06:01 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-11@40
Misc : 40x, 8270E LL PAH ONLY
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 07 11:33:36 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062119.D
Acq On : 06 Jan 2021 06:01 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-11@40
Misc : 40x, 8270E LL PAH ONLY
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 07 11:31:55 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.091	136	160159	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	8.827	162	94305	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.314	188	156209	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	13.380	240	143962	100.00	ng/ml	0.01
30) Perylene-d12 (ISTD)	16.603	264	155254	100.00	ng/ml	0.02
37) Dibenz(a,h)Anthrcene-d...	18.981	292	140780	100.00	ng/ml	0.02
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	6.420	82	863	1.92	ng/ml	0.01
10) 2-Fluorobiphenyl (Surr)	8.157	172	2355	1.75	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	9.626	330	633	5.14	ng/ml	0.00
27) Terphenyl-d14 (Surr)	11.940	244	3816	2.76	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	0.000		0	N.D.		
4) Naphthalene	7.114	128	22704	13.75	ng/ml	99
5) 2-Methylnaphthalene	7.790	142	4789	4.01	ng/ml	98
6) 1-Methylnaphthalene	7.889	142	1689	1.41	ng/ml	96
7) 1,1'-Biphenyl	8.256	154	2585	1.70	ng/ml	94
8) 2,6-Dimethylnaphthalene	8.419	156	2091	1.88	ng/ml	95
11) Acenaphthylene	8.682	152	13470	8.52	ng/ml	94
12) Acenaphthene	8.857	153	9951	8.62	ng/ml	98
13) Dibenzofuran	9.031	168	2516	1.73	ng/ml	89
14) 1,6,7-Trimethylnaphtha...	9.247	170	1380	1.32	ng/ml	84
15) Fluorene	9.375	166	6002	5.10	ng/ml	96
18) Pentachlorophenol (PCP)	10.156	266	100	10.23	ng/ml#	71
19) Dibenzothiopene	10.209	184	5557	3.66	ng/ml	90
20) Phenanthrene	10.337	178	80061	47.36	ng/ml	99
21) Anthracene	10.390	178	14088	10.17	ng/ml	94
22) Carbazole	10.570	167	3085	3.00	ng/ml	74
23) 1-Methylphenanthrene	10.937	192	13480	11.09	ng/ml	66
24) Fluoranthene	11.544	202	149493	85.24	ng/ml	94
26) Pyrene	11.765	202	183360	95.12	ng/ml	98
28) Benz(a)anthracene	13.362	228	64887	45.09	ng/ml	66
29) Chrysene	13.420	228	79565	53.50	ng/ml	97
31) Benzo(b)fluoranthene	15.729	252	106707	67.78	ng/ml	89
32) Benzo(k)fluoranthene	15.729	252	137553	92.62	ng/ml	87

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062119.D
Acq On : 06 Jan 2021 06:01 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-11@40
Misc : 40x, 8270E LL PAH ONLY
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 07 11:31:55 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

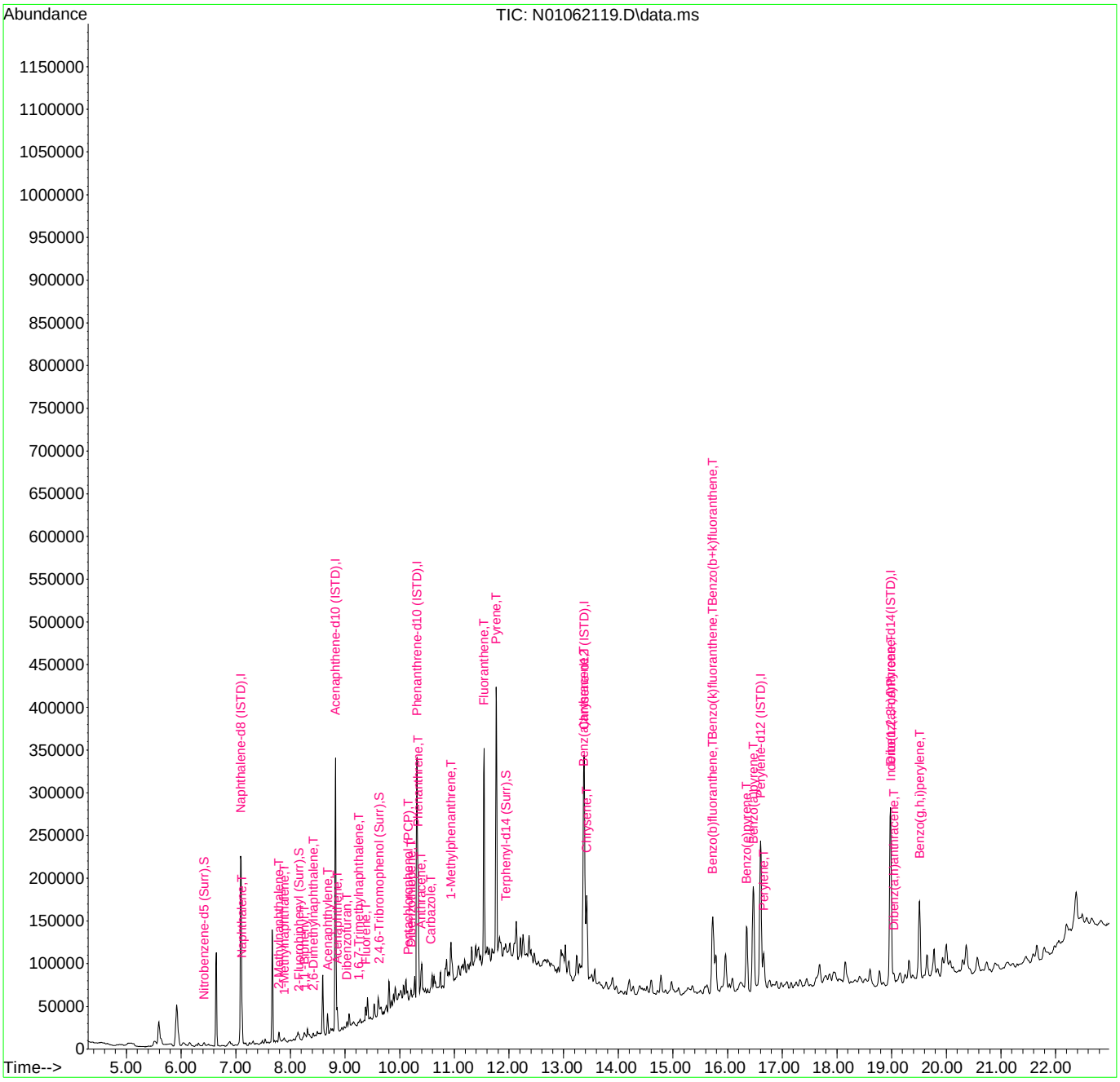
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	15.729	252	148249	92.53	ng/ml	87
34) Benzo(e)pyrene	16.346	252	70249	44.87	ng/ml	97
35) Benzo(a)pyrene	16.469	252	97954	85.82	ng/ml	96
36) Perylene	16.661	252	36330	21.44	ng/ml	97
38) Indeno(1,2,3-cd)Pyrene	18.987	276	73865	48.75	ng/ml	72
39) Dibenz(a,h)anthracene	19.039	278	9716	6.52	ng/ml	89
40) Benzo(g,h,i)perylene	19.511	276	89985	58.41	ng/ml	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062119.D
Acq On : 06 Jan 2021 06:01 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-11@40
Misc : 40x, 8270E LL PAH ONLY
ALS Vial : 12 Sample Multiplier: 1

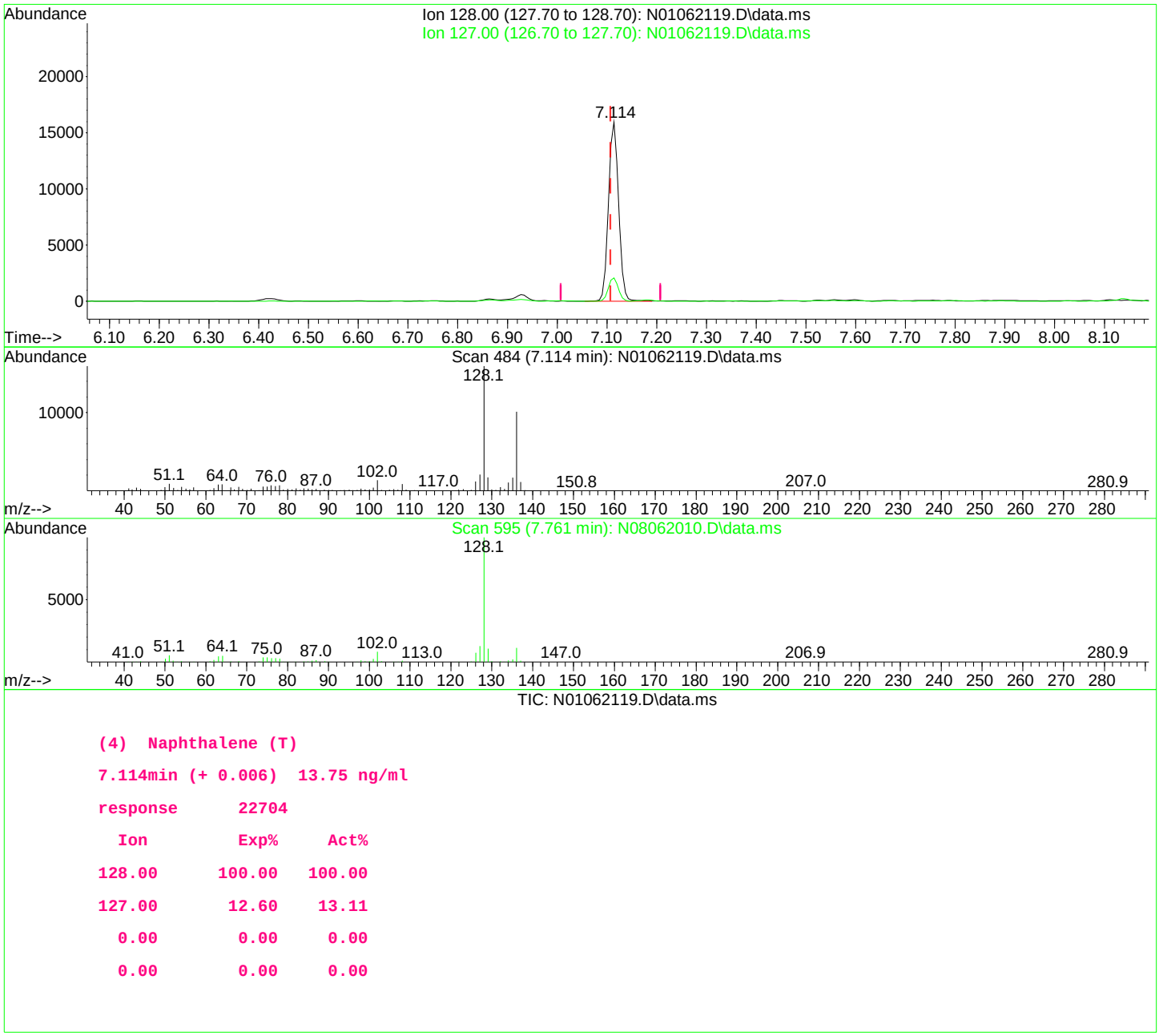
Quant Time: Jan 07 11:31:55 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062119.D
Acq On : 06 Jan 2021 06:01 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-11@40
Misc : 40x, 8270E LL PAH ONLY
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 07 11:31:55 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01062119.D\data.ms

(4) Naphthalene (T)

7.114min (+ 0.006) 13.75 ng/ml

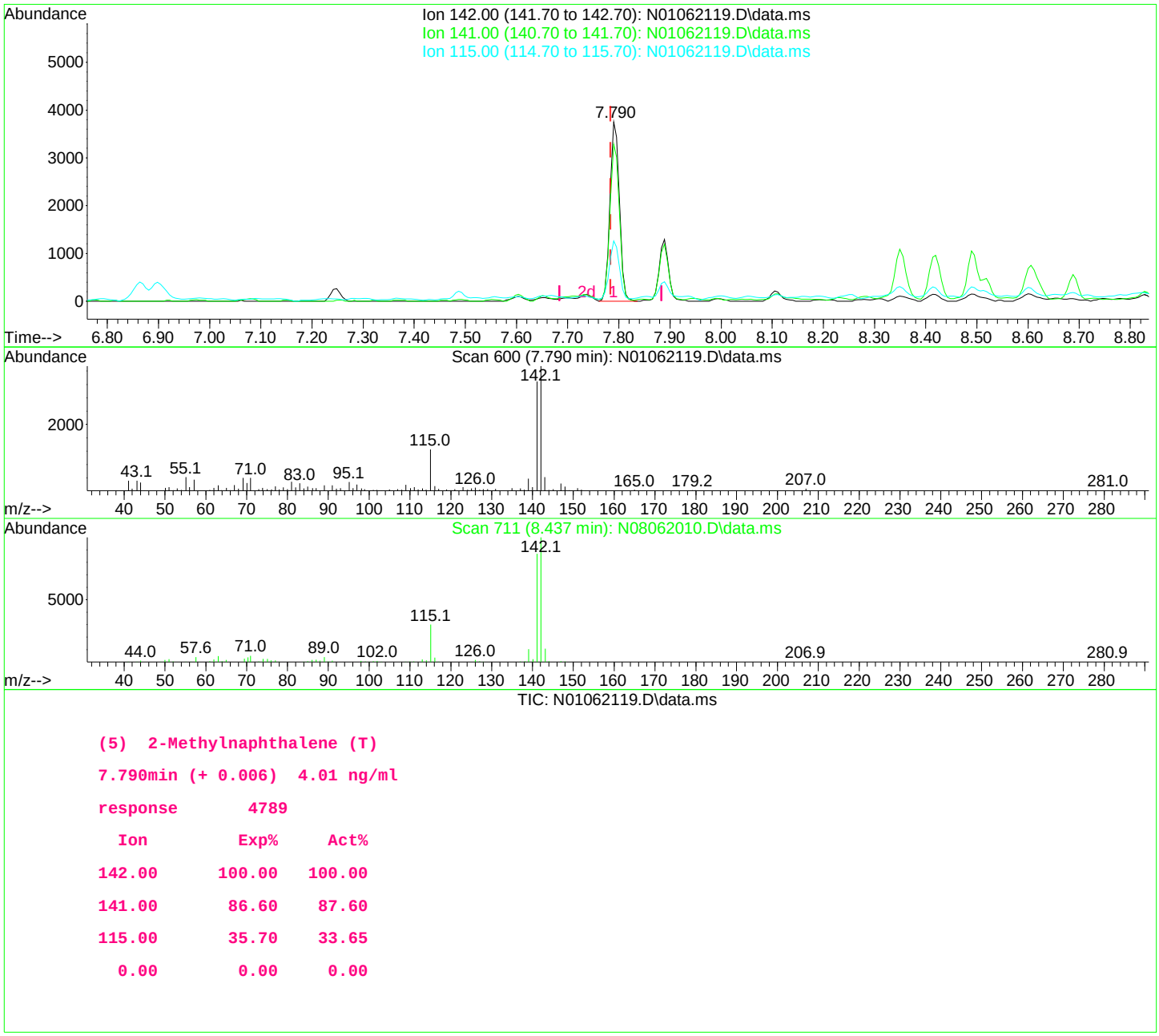
response 22704

Ion	Exp%	Act%
128.00	100.00	100.00
127.00	12.60	13.11
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062119.D
Acq On : 06 Jan 2021 06:01 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-11@40
Misc : 40x, 8270E LL PAH ONLY
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 07 11:31:55 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01062119.D\data.ms

(5) 2-Methylnaphthalene (T)

7.790min (+ 0.006) 4.01 ng/ml

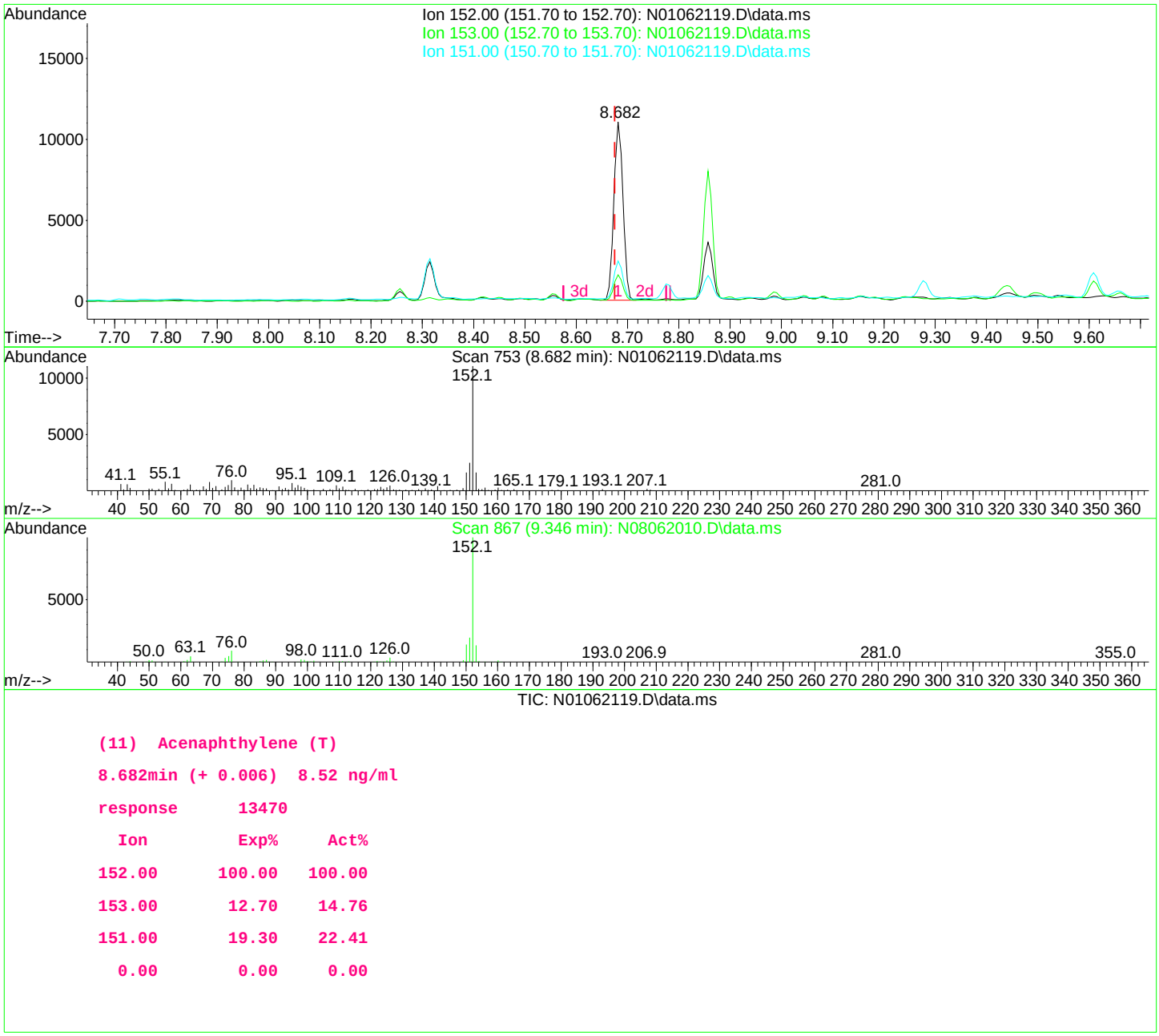
response 4789

Ion	Exp%	Act%
142.00	100.00	100.00
141.00	86.60	87.60
115.00	35.70	33.65
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062119.D
Acq On : 06 Jan 2021 06:01 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-11@40
Misc : 40x, 8270E LL PAH ONLY
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 07 11:31:55 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01062119.D\data.ms

(11) Acenaphthylene (T)

8.682min (+ 0.006) 8.52 ng/ml

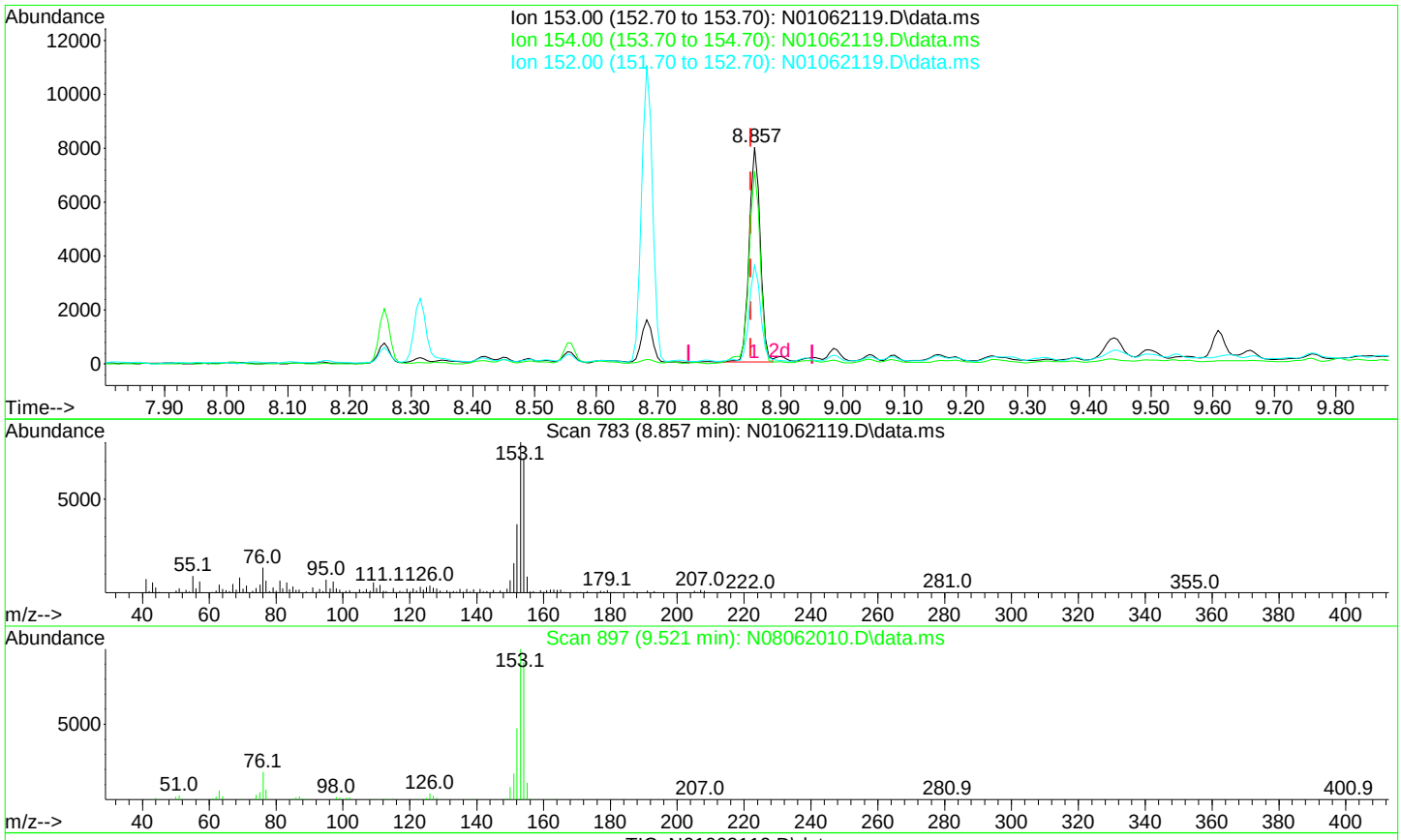
response 13470

Ion	Exp%	Act%
152.00	100.00	100.00
153.00	12.70	14.76
151.00	19.30	22.41
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062119.D
Acq On : 06 Jan 2021 06:01 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-11@40
Misc : 40x, 8270E LL PAH ONLY
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 07 11:31:55 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01062119.D\data.ms

(12) Acenaphthene (T)

8.857min (+ 0.006) 8.62 ng/ml

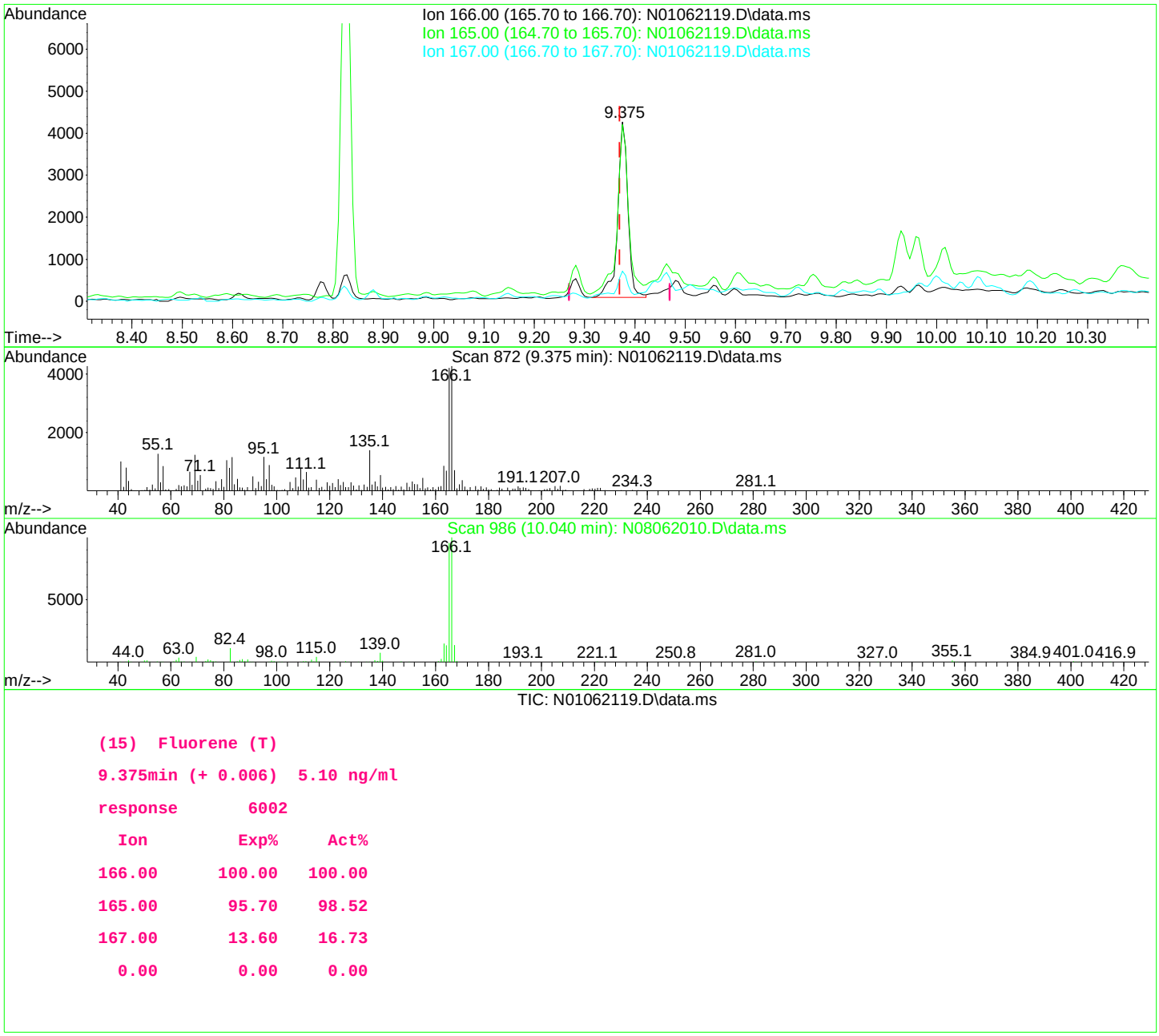
response 9951

Ion	Exp%	Act%
153.00	100.00	100.00
154.00	90.70	89.05
152.00	46.80	45.56
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062119.D
Acq On : 06 Jan 2021 06:01 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-11@40
Misc : 40x, 8270E LL PAH ONLY
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 07 11:31:55 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01062119.D\data.ms

(15) Fluorene (T)

9.375min (+ 0.006) 5.10 ng/ml

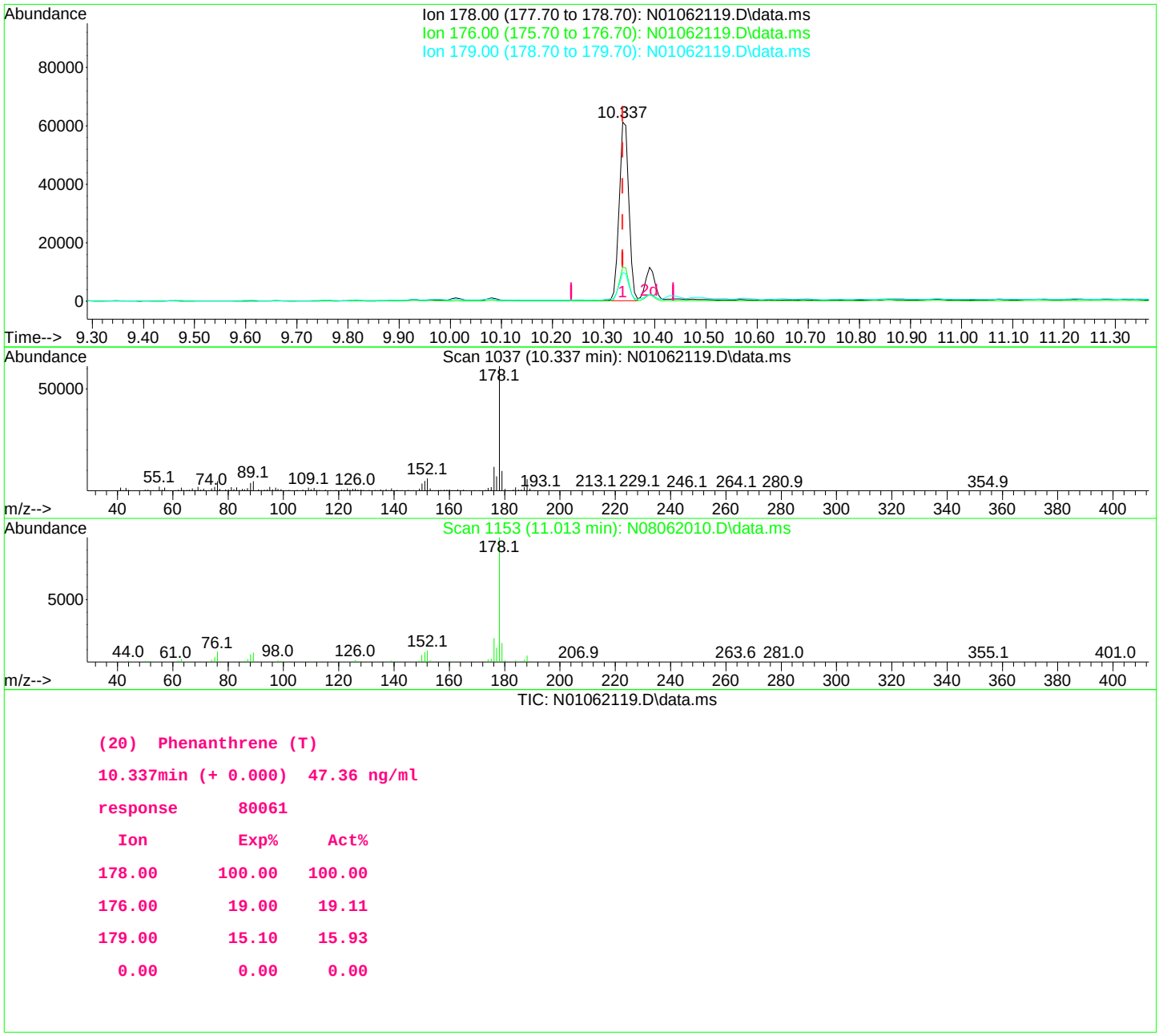
response 6002

Ion	Exp%	Act%
166.00	100.00	100.00
165.00	95.70	98.52
167.00	13.60	16.73
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062119.D
Acq On : 06 Jan 2021 06:01 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-11@40
Misc : 40x, 8270E LL PAH ONLY
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 07 11:31:55 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01062119.D\data.ms

(20) Phenanthrene (T)

10.337min (+ 0.000) 47.36 ng/ml

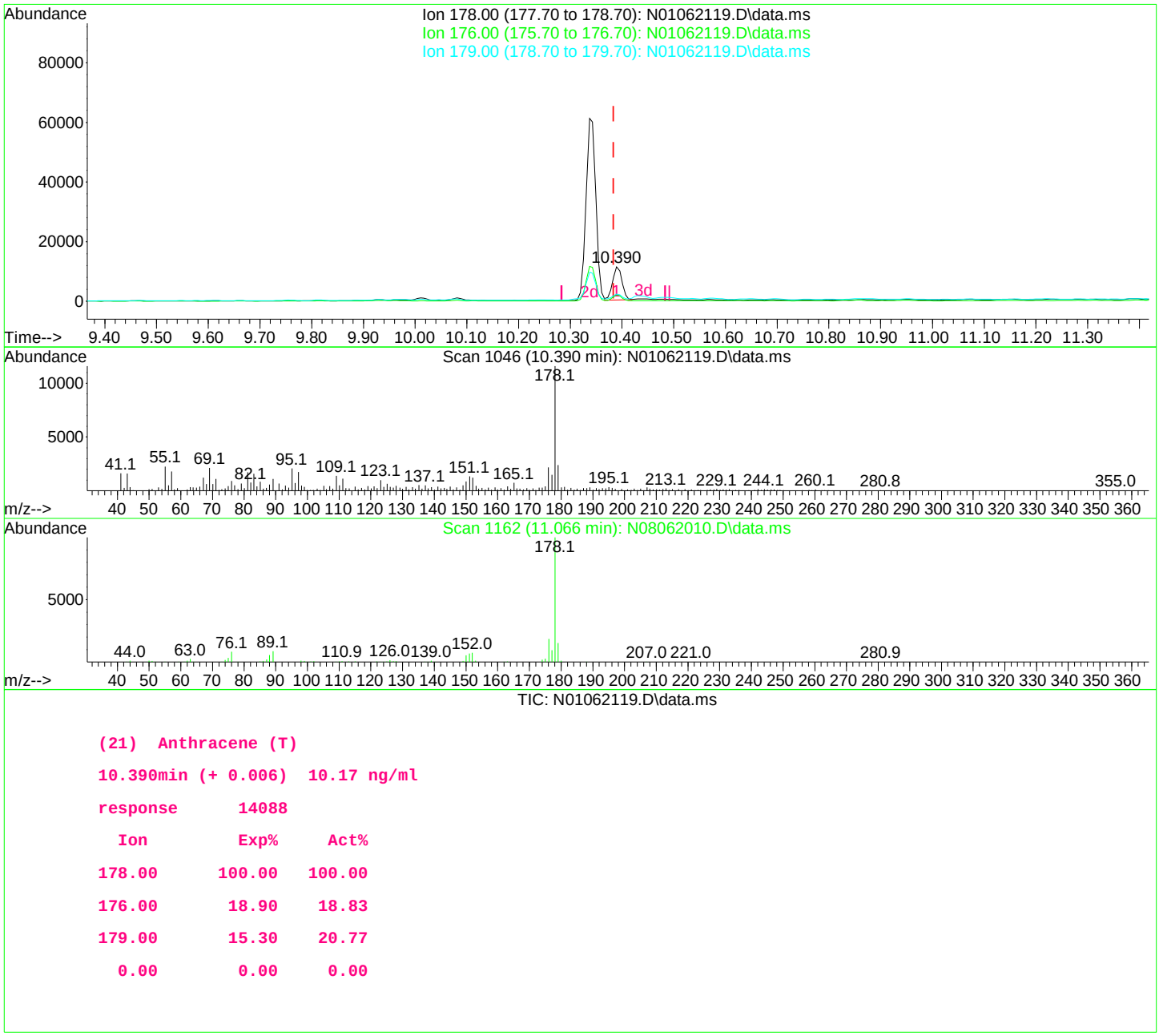
response 80061

Ion	Exp%	Act%
178.00	100.00	100.00
176.00	19.00	19.11
179.00	15.10	15.93
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062119.D
Acq On : 06 Jan 2021 06:01 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-11@40
Misc : 40x, 8270E LL PAH ONLY
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 07 11:31:55 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01062119.D\data.ms

(21) Anthracene (T)

10.390min (+ 0.006) 10.17 ng/ml

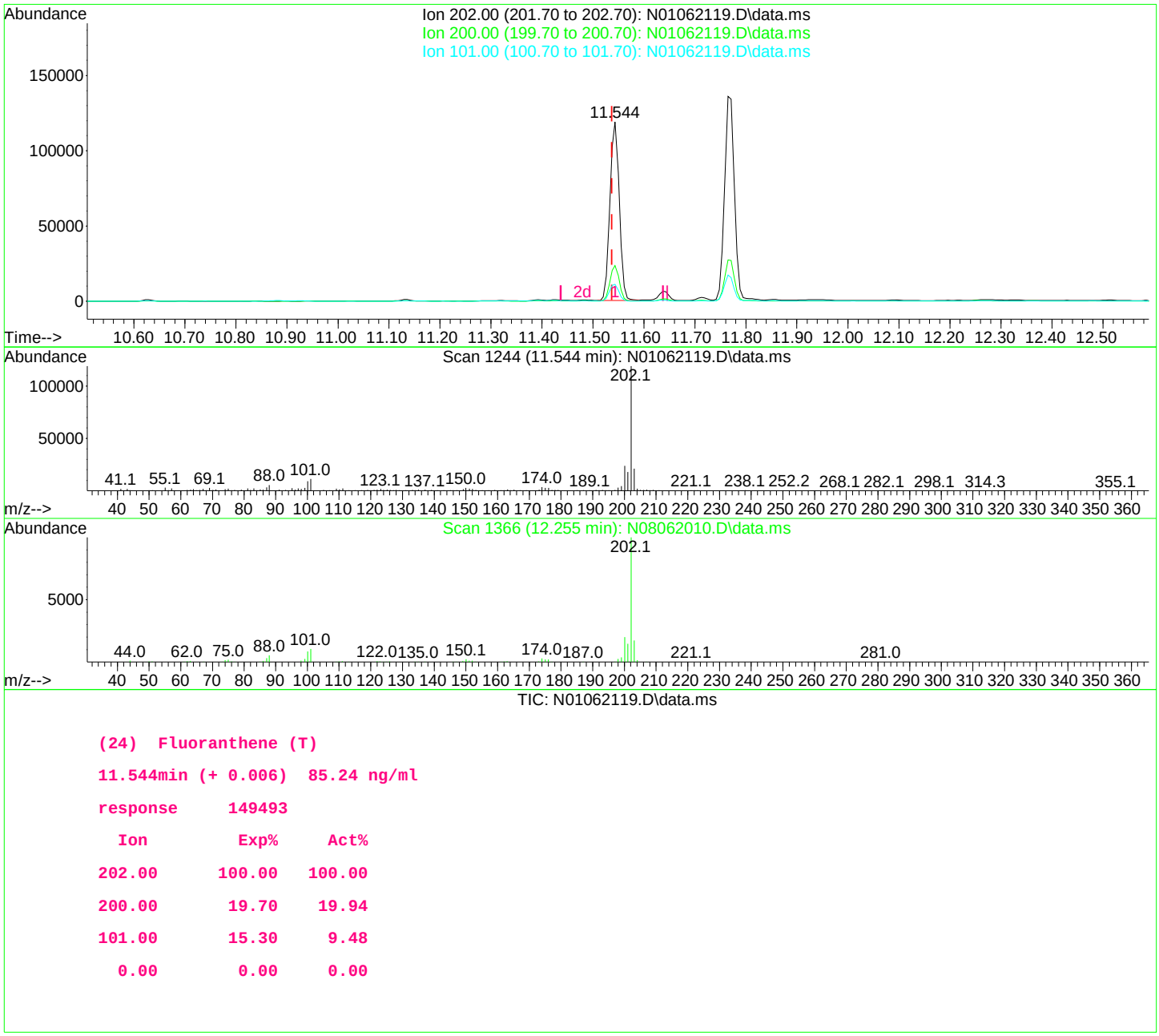
response 14088

Ion	Exp%	Act%
178.00	100.00	100.00
176.00	18.90	18.83
179.00	15.30	20.77
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062119.D
Acq On : 06 Jan 2021 06:01 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-11@40
Misc : 40x, 8270E LL PAH ONLY
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 07 11:31:55 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01062119.D\data.ms

(24) Fluoranthene (T)

11.544min (+ 0.006) 85.24 ng/ml

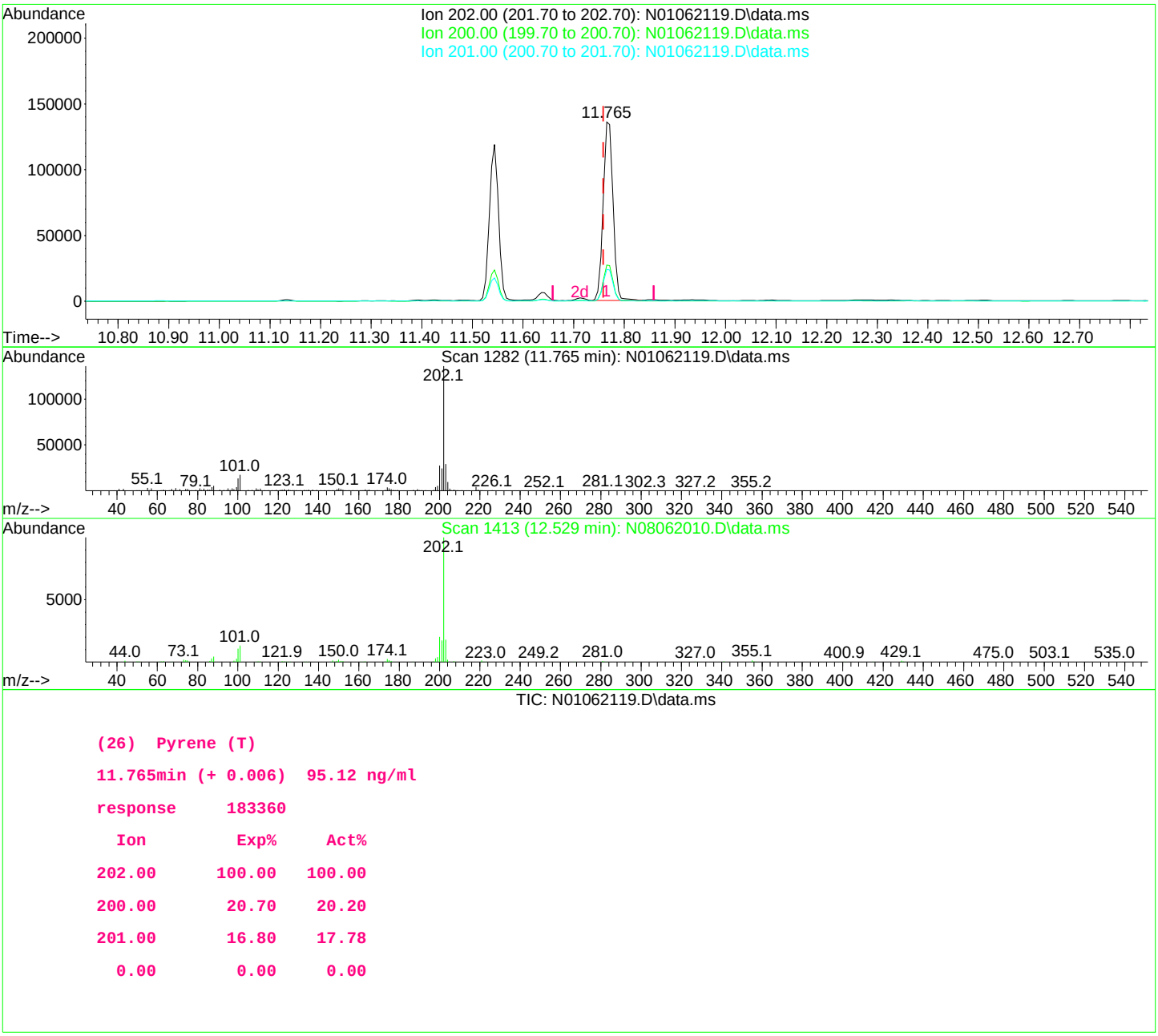
response 149493

Ion	Exp%	Act%
202.00	100.00	100.00
200.00	19.70	19.94
101.00	15.30	9.48
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062119.D
Acq On : 06 Jan 2021 06:01 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-11@40
Misc : 40x, 8270E LL PAH ONLY
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 07 11:31:55 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01062119.D\data.ms

(26) Pyrene (T)

11.765min (+ 0.006) 95.12 ng/ml

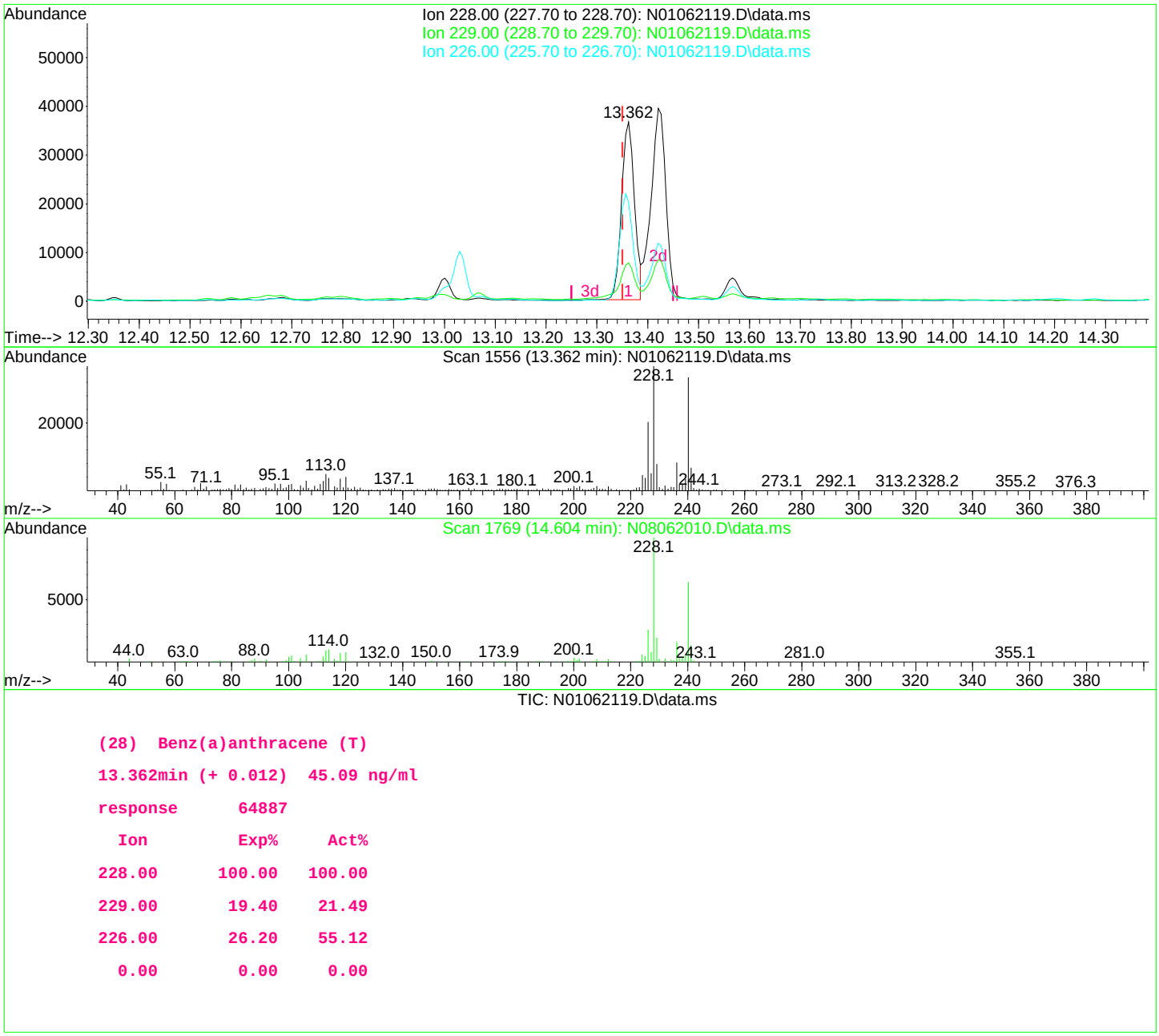
response 183360

Ion	Exp%	Act%
202.00	100.00	100.00
200.00	20.70	20.20
201.00	16.80	17.78
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062119.D
Acq On : 06 Jan 2021 06:01 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-11@40
Misc : 40x, 8270E LL PAH ONLY
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 07 11:31:55 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01062119.D\data.ms

(28) Benz(a)anthracene (T)

13.362min (+ 0.012) 45.09 ng/ml

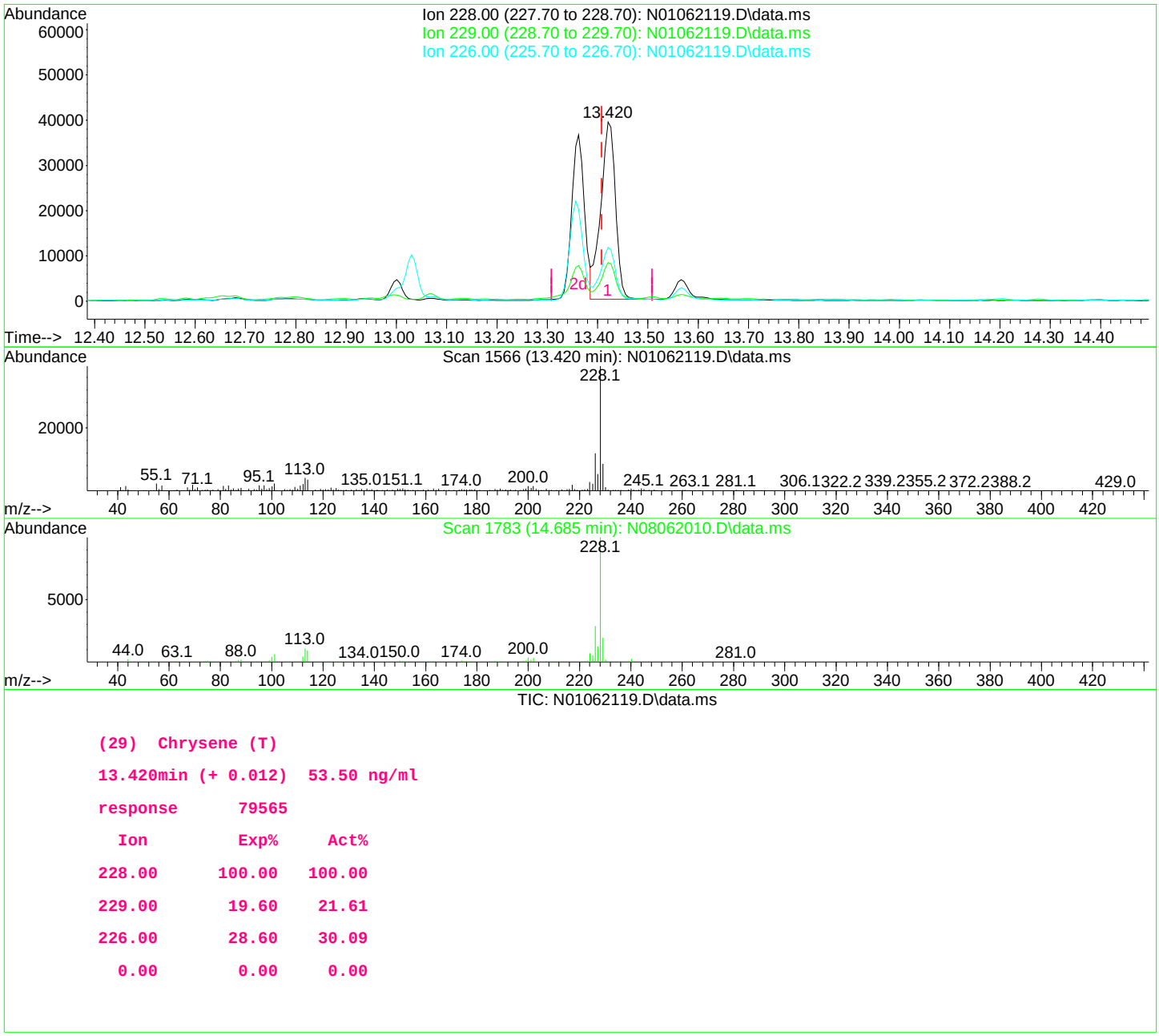
response 64887

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.40	21.49
226.00	26.20	55.12
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062119.D
Acq On : 06 Jan 2021 06:01 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-11@40
Misc : 40x, 8270E LL PAH ONLY
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 07 11:31:55 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01062119.D\data.ms

(29) Chrysene (T)

13.420min (+ 0.012) 53.50 ng/ml

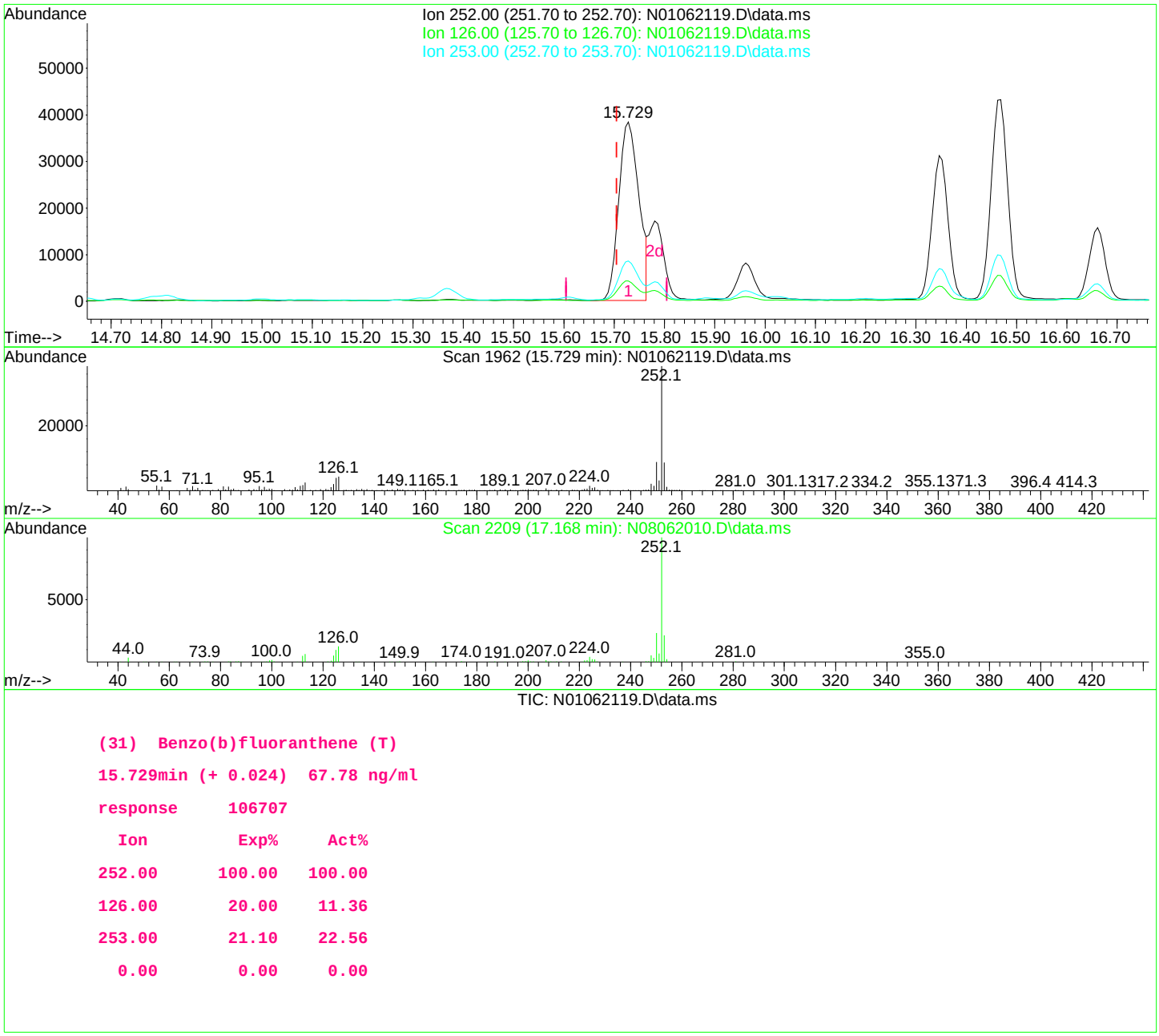
response 79565

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.60	21.61
226.00	28.60	30.09
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062119.D
Acq On : 06 Jan 2021 06:01 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-11@40
Misc : 40x, 8270E LL PAH ONLY
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 07 11:31:55 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01062119.D\data.ms

(31) Benzo(b)fluoranthene (T)

15.729min (+ 0.024) 67.78 ng/ml

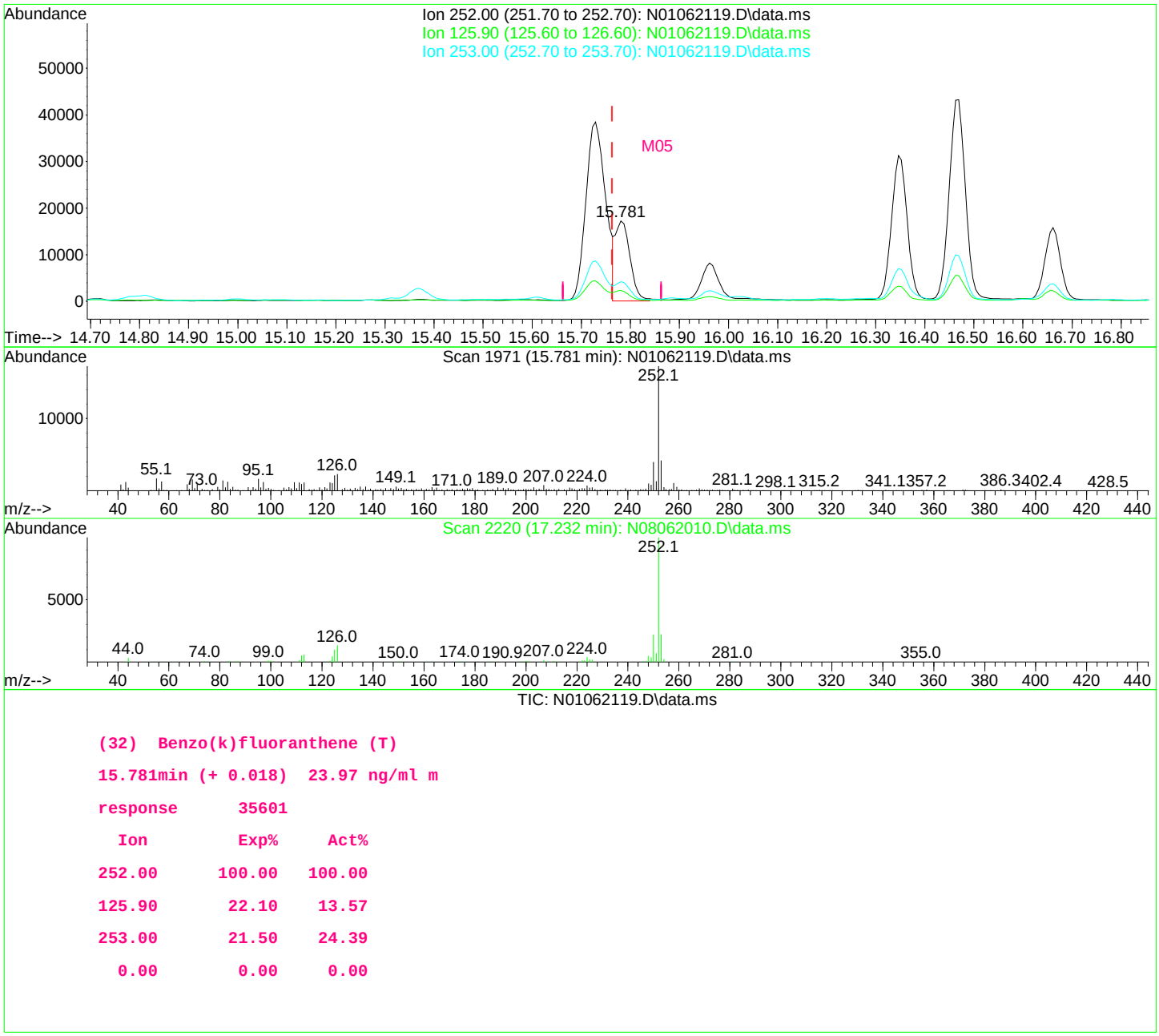
response 106707

Ion	Exp%	Act%
252.00	100.00	100.00
126.00	20.00	11.36
253.00	21.10	22.56
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062119.D
Acq On : 06 Jan 2021 06:01 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-11@40
Misc : 40x, 8270E LL PAH ONLY
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 07 11:31:55 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01062119.D\data.ms

(32) Benzo(k)fluoranthene (T)

15.781min (+ 0.018) 23.97 ng/ml m

response 35601

Ion	Exp%	Act%
252.00	100.00	100.00
125.90	22.10	13.57
253.00	21.50	24.39
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062119.D
Acq On : 06 Jan 2021 06:01 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-11@40
Misc : 40x, 8270E LL PAH ONLY
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 07 11:31:55 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

TIC: N01062119.D\data.ms

(35) Benzo(a)pyrene (T)

16.469min (+ 0.023) 85.82 ng/ml

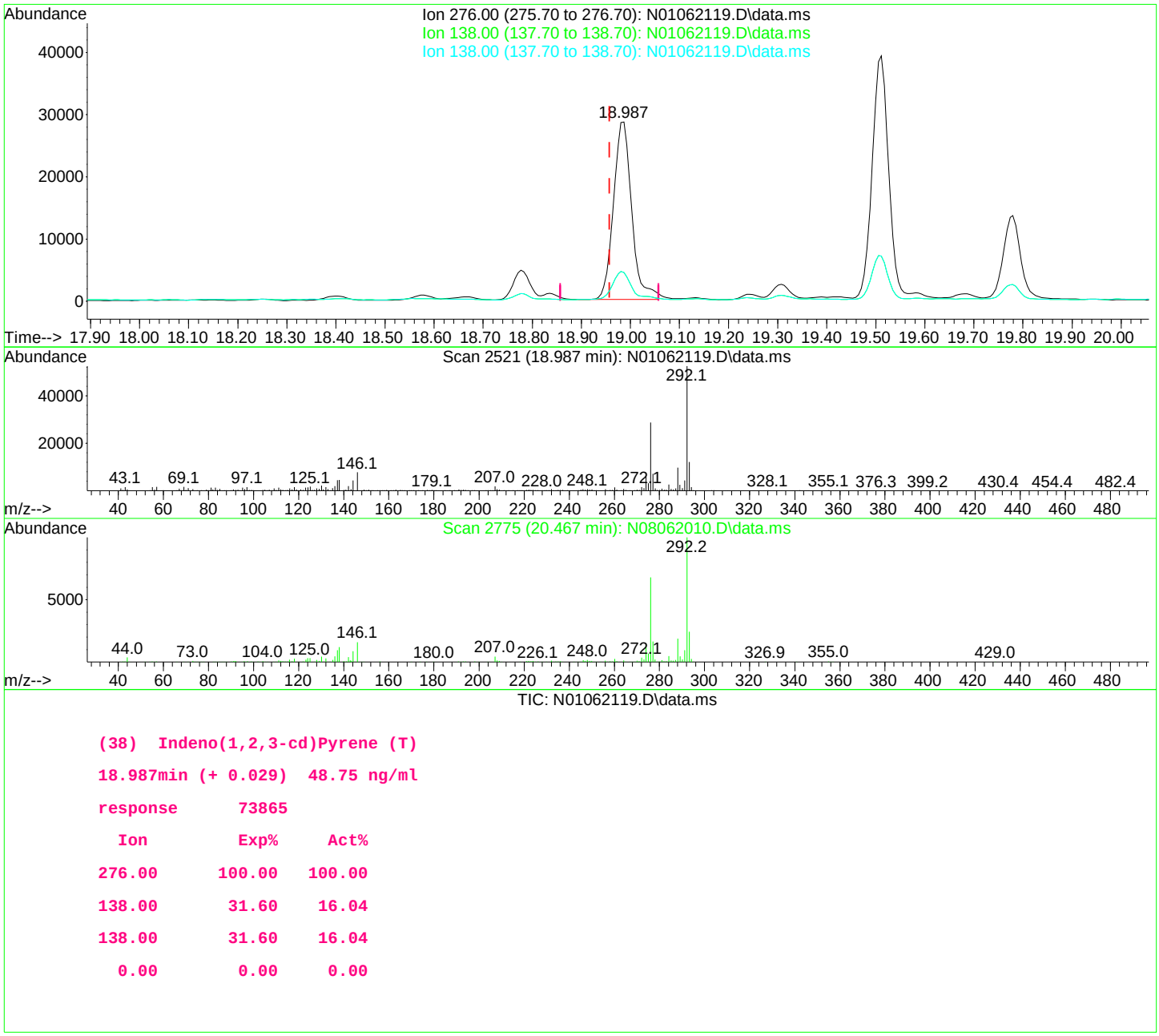
response 97954

Ion	Exp%	Act%
252.00	100.00	100.00
112.90	12.70	8.91
253.00	21.90	22.57
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062119.D
Acq On : 06 Jan 2021 06:01 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-11@40
Misc : 40x, 8270E LL PAH ONLY
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 07 11:31:55 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



(38) Indeno(1,2,3-cd)Pyrene (T)

18.987min (+ 0.029) 48.75 ng/ml

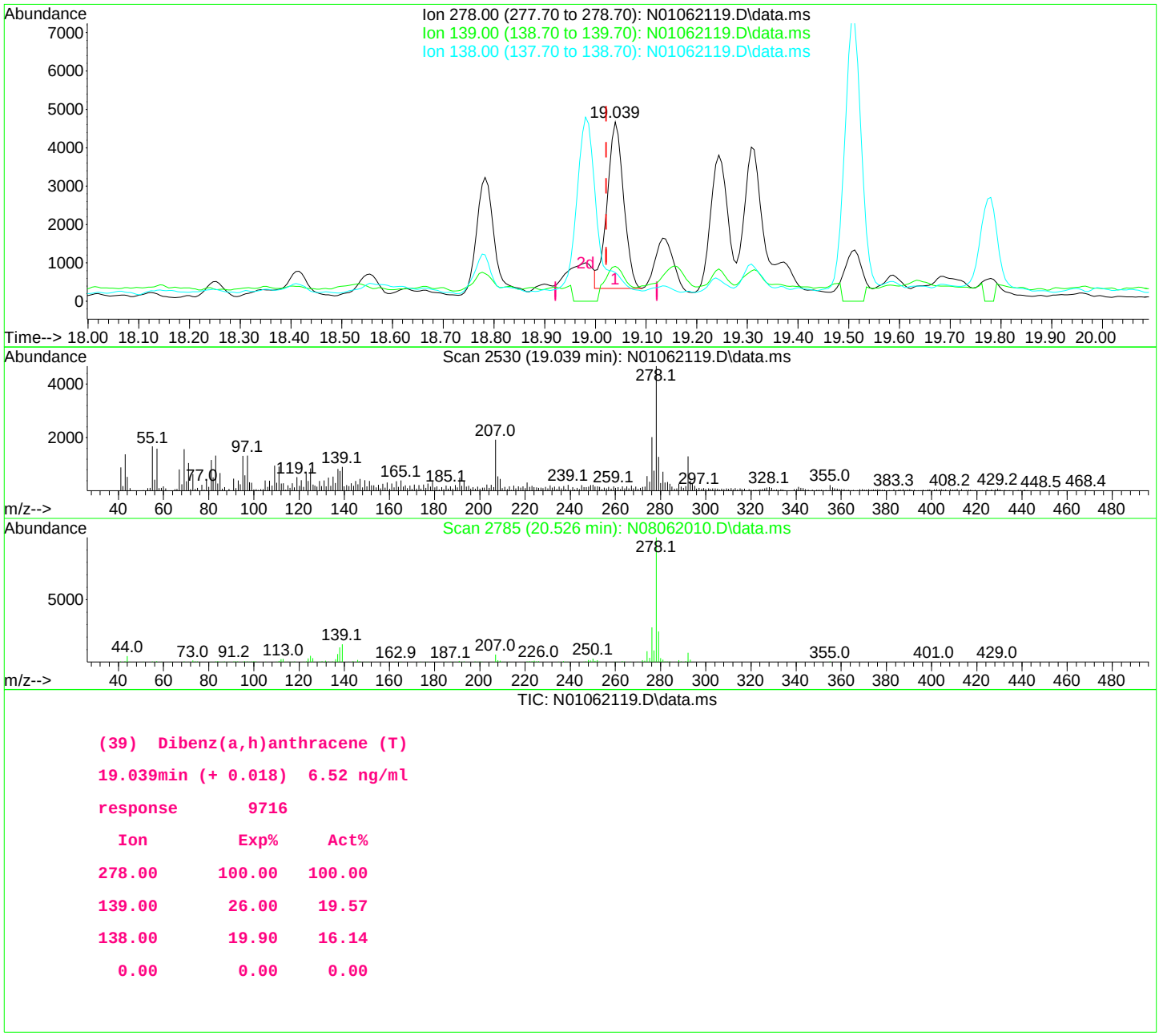
response 73865

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	31.60	16.04
138.00	31.60	16.04
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062119.D
Acq On : 06 Jan 2021 06:01 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-11@40
Misc : 40x, 8270E LL PAH ONLY
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 07 11:31:55 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



(39) Dibenz(a,h)anthracene (T)

19.039min (+ 0.018) 6.52 ng/ml

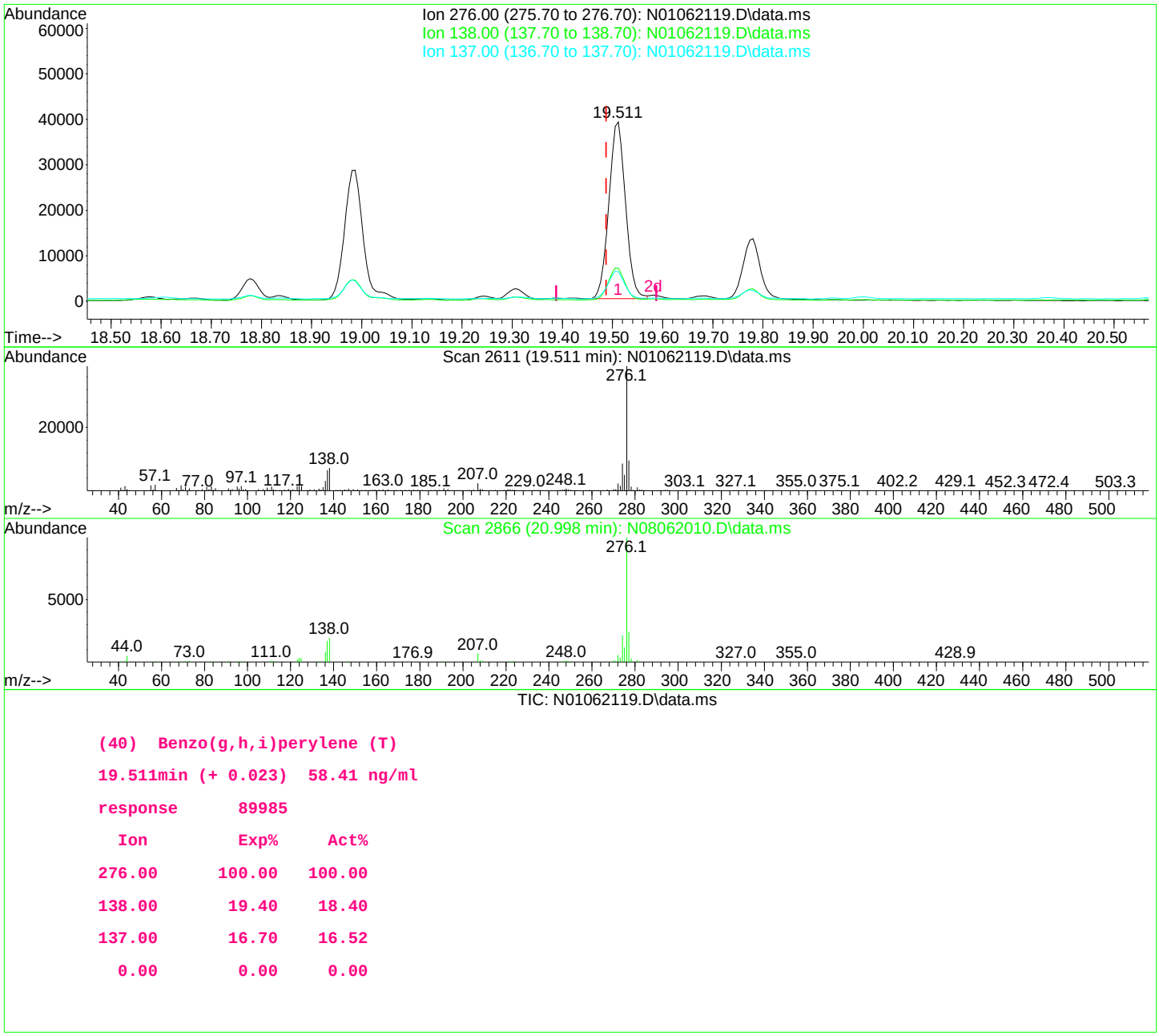
response 9716

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	26.00	19.57
138.00	19.90	16.14
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062119.D
Acq On : 06 Jan 2021 06:01 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-11@40
Misc : 40x, 8270E LL PAH ONLY
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 07 11:31:55 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01062119.D\data.ms

(40) Benzo(g,h,i)perylene (T)

19.511min (+ 0.023) 58.41 ng/ml

response 89985

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	19.40	18.40
137.00	16.70	16.52
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

AMS 1/7/21

Data Path : U:\data\2021-01\1A06048\
Data File : N01062120.D
Acq On : 06 Jan 2021 06:33 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-12@4
Misc : 4x, 8270E LL PAH ONLY
ALS Vial : 13 Sample Multiplier: 1

M05

Quant Time: Jan 07 11:37:00 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.090	136	156647	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	8.827	162	102238	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.314	188	186723	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	13.380	240	199426	100.00	ng/ml	0.01
30) Perylene-d12 (ISTD)	16.603	264	221713	100.00	ng/ml	0.02
37) Dibenz(a,h)Anthrcene-d...	18.981	292	205990	100.00	ng/ml	0.02
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	6.420	82	7886	17.97	ng/ml	0.01
10) 2-Fluorobiphenyl (Surr)	8.157	172	31082	21.26	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	9.626	330	7234	32.52	ng/ml	0.00
27) Terphenyl-d14 (Surr)	11.946	244	42680	22.26	ng/ml	0.01
Target Compounds						Qvalue
3) Decalin	6.572	138	69	0.74	ng/ml#	1
4) Naphthalene	7.114	128	28823	17.84	ng/ml	97
5) 2-Methylnaphthalene	7.790	142	4797	4.11	ng/ml	97
6) 1-Methylnaphthalene	7.889	142	3133	2.68	ng/ml	99
7) 1,1'-Biphenyl	8.256	154	3165	2.13	ng/ml	93
8) 2,6-Dimethylnaphthalene	8.419	156	3236	2.97	ng/ml	95
11) Acenaphthylene	8.682	152	20273	11.83	ng/ml	97
12) Acenaphthene	8.857	153	61512	49.12	ng/ml	98
13) Dibenzofuran	9.031	168	4958	3.15	ng/ml	90
14) 1,6,7-Trimethylnaphtha...	9.247	170	4132	3.64	ng/ml	90
15) Fluorene	9.375	166	16135	12.66	ng/ml	98
18) Pentachlorophenol (PCP)	10.156	266	222	11.34	ng/ml	87
19) Dibenzothiopene	10.209	184	30879	17.03	ng/ml	95
20) Phenanthrene	10.343	178	332574	164.57	ng/ml	100
21) Anthracene	10.389	178	29124	17.59	ng/ml	94
22) Carbazole	10.570	167	10424	8.47	ng/ml	95
23) 1-Methylphenanthrene	10.961	192	18725	12.89	ng/ml	97
24) Fluoranthene	11.544	202	410230	195.69	ng/ml	94
26) Pyrene	11.771	202	489132	183.17	ng/ml	99
28) Benz(a)anthracene	13.362	228	148615	74.54	ng/ml	82
29) Chrysene	13.420	228	171856	83.42	ng/ml	97
31) Benzo(b)fluoranthene	15.729	252	224059	99.66	ng/ml	89
32) Benzo(k)fluoranthene	15.781	252	78139m	36.84	ng/ml	

M05

Quantitation Report (QT Reviewed)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062120.D
Acq On : 06 Jan 2021 06:33 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-12@4
Misc : 4x, 8270E LL PAH ONLY
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jan 07 11:37:00 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

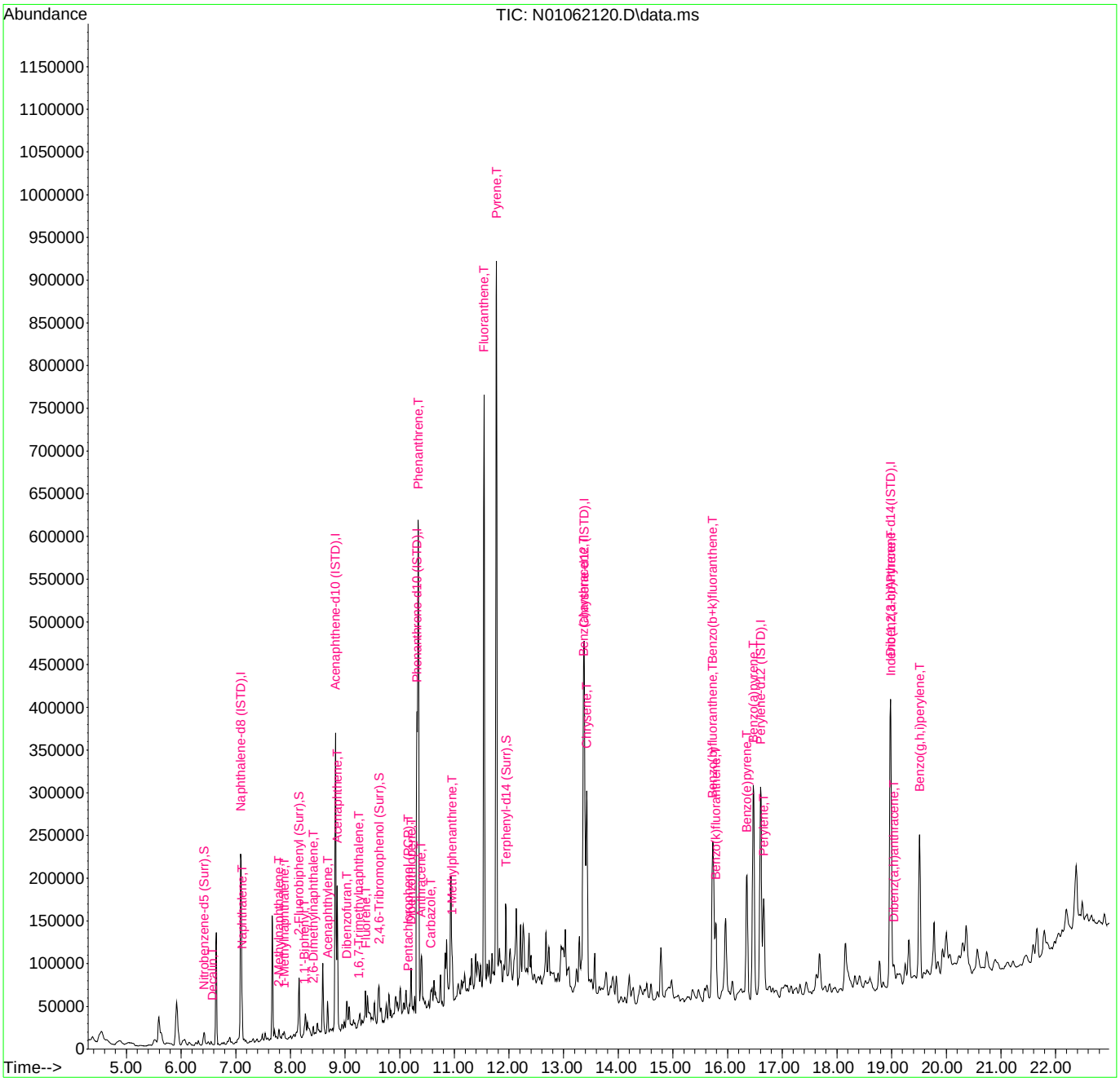
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	15.729	252	314324	137.38	ng/ml	88
34) Benzo(e)pyrene	16.352	252	133344	59.64	ng/ml	98
35) Benzo(a)pyrene	16.469	252	198964	122.07	ng/ml	95
36) Perylene	16.661	252	97023	40.09	ng/ml	99
38) Indeno(1,2,3-cd)Pyrene	18.987	276	143684	64.81	ng/ml	73
39) Dibenz(a,h)anthracene	19.039	278	20318	9.32	ng/ml	82
40) Benzo(g,h,i)perylene	19.511	276	164503	72.98	ng/ml	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062120.D
Acq On : 06 Jan 2021 06:33 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-12@4
Misc : 4x, 8270E LL PAH ONLY
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jan 07 11:37:00 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062120.D
Acq On : 06 Jan 2021 06:33 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-12@4
Misc : 4x, 8270E LL PAH ONLY
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jan 07 11:35:40 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.090	136	156647	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	8.827	162	102238	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.314	188	186723	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	13.380	240	199426	100.00	ng/ml	0.01
30) Perylene-d12 (ISTD)	16.603	264	221713	100.00	ng/ml	0.02
37) Dibenz(a,h)Anthrcene-d...	18.981	292	205990	100.00	ng/ml	0.02
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	6.420	82	7886	17.97	ng/ml	0.01
10) 2-Fluorobiphenyl (Surr)	8.157	172	31082	21.26	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	9.626	330	7234	32.52	ng/ml	0.00
27) Terphenyl-d14 (Surr)	11.946	244	42680	22.26	ng/ml	0.01
Target Compounds						Qvalue
3) Decalin	6.572	138	69	0.74	ng/ml#	1
4) Naphthalene	7.114	128	28823	17.84	ng/ml	97
5) 2-Methylnaphthalene	7.790	142	4797	4.11	ng/ml	97
6) 1-Methylnaphthalene	7.889	142	3133	2.68	ng/ml	99
7) 1,1'-Biphenyl	8.256	154	3165	2.13	ng/ml	93
8) 2,6-Dimethylnaphthalene	8.419	156	3236	2.97	ng/ml	95
11) Acenaphthylene	8.682	152	20273	11.83	ng/ml	97
12) Acenaphthene	8.857	153	61512	49.12	ng/ml	98
13) Dibenzofuran	9.031	168	4958	3.15	ng/ml	90
14) 1,6,7-Trimethylnaphtha...	9.247	170	4132	3.64	ng/ml	90
15) Fluorene	9.375	166	16135	12.66	ng/ml	98
18) Pentachlorophenol (PCP)	10.156	266	222	11.34	ng/ml	87
19) Dibenzothiopene	10.209	184	30879	17.03	ng/ml	95
20) Phenanthrene	10.343	178	332574	164.57	ng/ml	100
21) Anthracene	10.389	178	29124	17.59	ng/ml	94
22) Carbazole	10.570	167	10424	8.47	ng/ml	95
23) 1-Methylphenanthrene	10.961	192	18725	12.89	ng/ml	97
24) Fluoranthene	11.544	202	410230	195.69	ng/ml	94
26) Pyrene	11.771	202	489132	183.17	ng/ml	99
28) Benz(a)anthracene	13.362	228	148615	74.54	ng/ml	82
29) Chrysene	13.420	228	171856	83.42	ng/ml	97
31) Benzo(b)fluoranthene	15.729	252	224059	99.66	ng/ml	89
32) Benzo(k)fluoranthene	15.729	252	292574	137.95	ng/ml	88

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062120.D
Acq On : 06 Jan 2021 06:33 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-12@4
Misc : 4x, 8270E LL PAH ONLY
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jan 07 11:35:40 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	15.729	252	314324	137.38	ng/ml	88
34) Benzo(e)pyrene	16.352	252	133344	59.64	ng/ml	98
35) Benzo(a)pyrene	16.469	252	198964	122.07	ng/ml	95
36) Perylene	16.661	252	97023	40.09	ng/ml	99
38) Indeno(1,2,3-cd)Pyrene	18.987	276	143684	64.81	ng/ml	73
39) Dibenz(a,h)anthracene	19.039	278	20318	9.32	ng/ml	82
40) Benzo(g,h,i)perylene	19.511	276	164503	72.98	ng/ml	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

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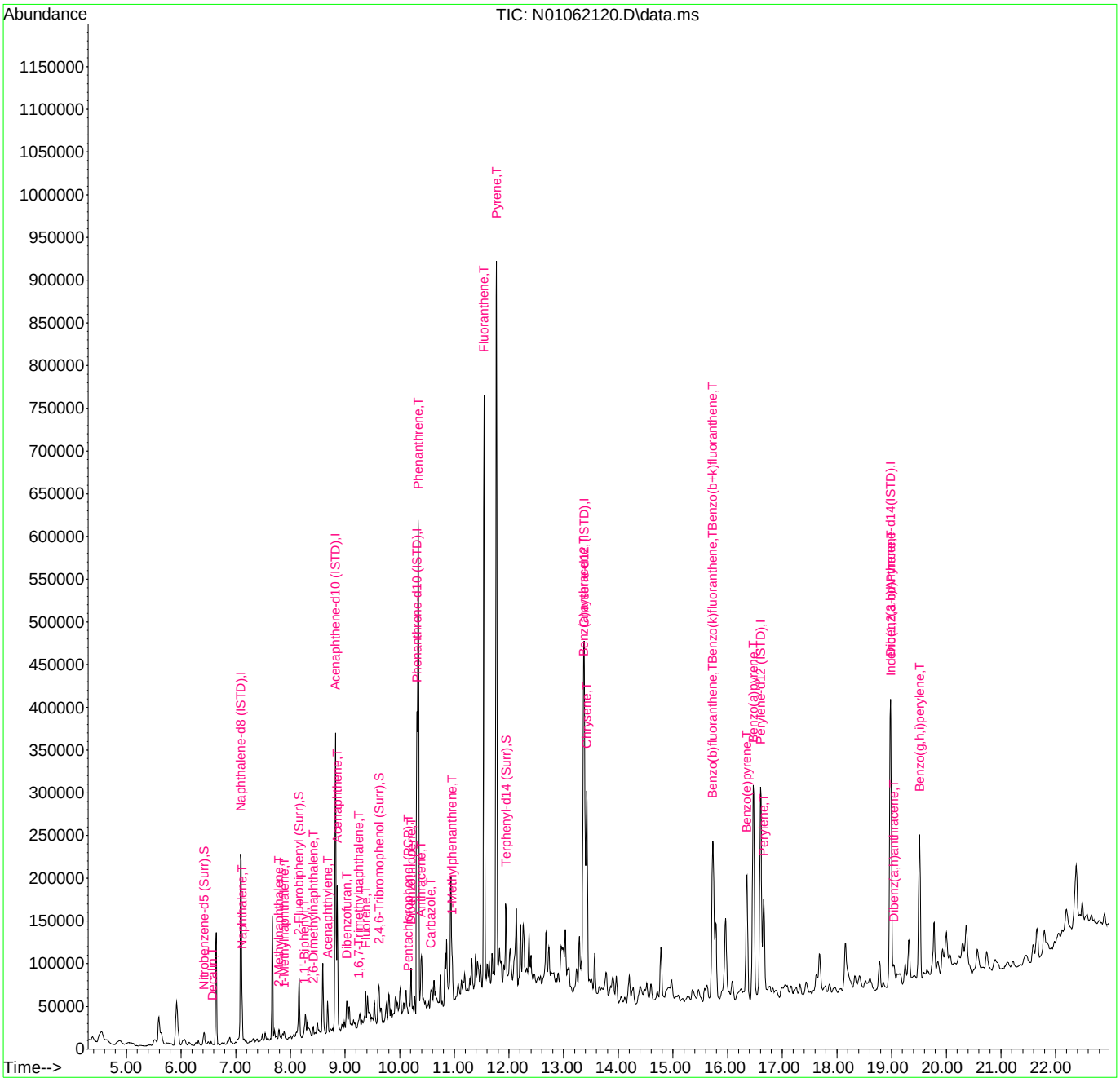

Quantitation Report (Qedit)

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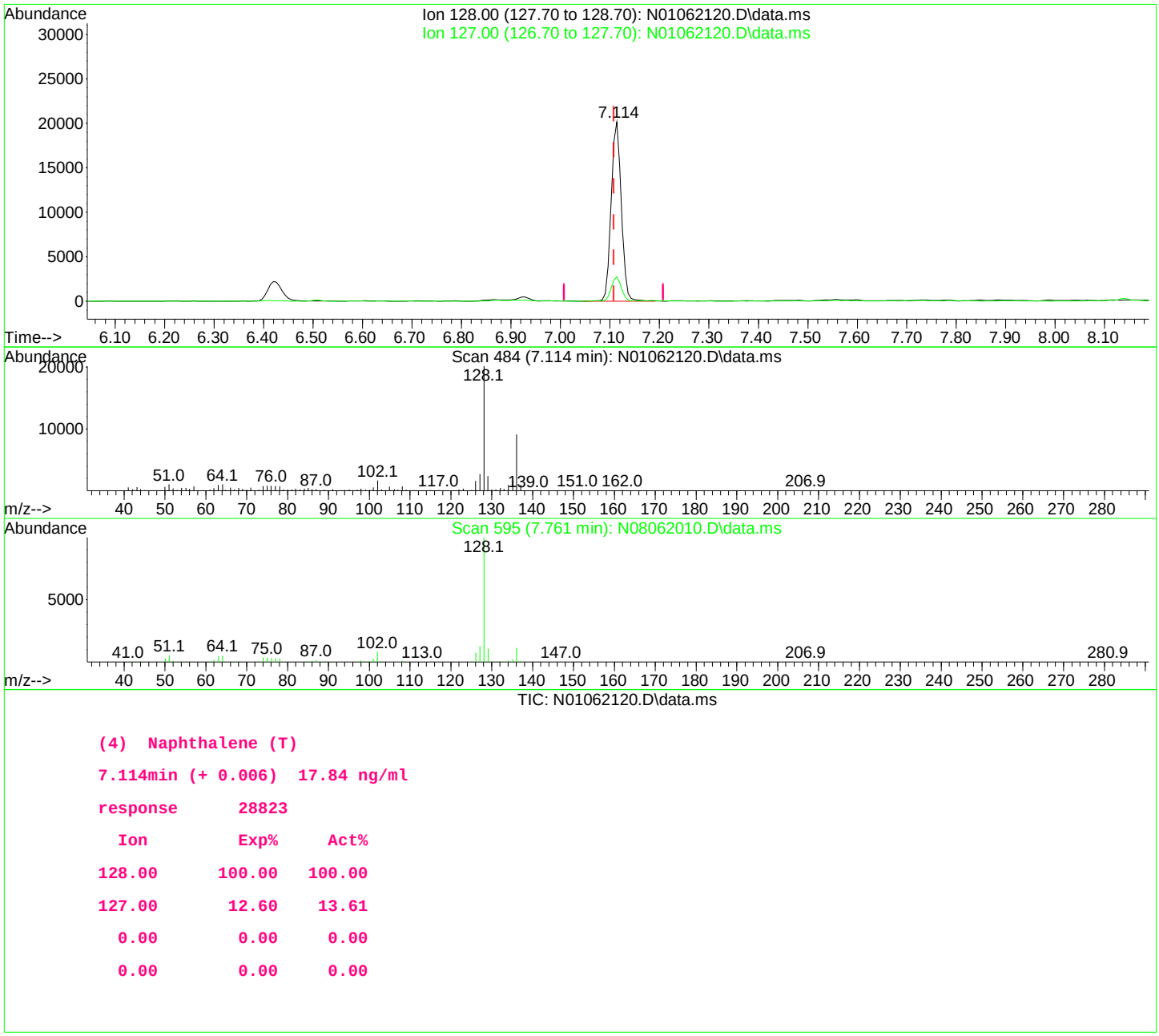

TIC: N01062120.D\data.ms

(4) Naphthalene (T)

7.114min (+ 0.006) 17.84 ng/ml

response 28823

Ion	Exp%	Act%
128.00	100.00	100.00
127.00	12.60	13.61
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

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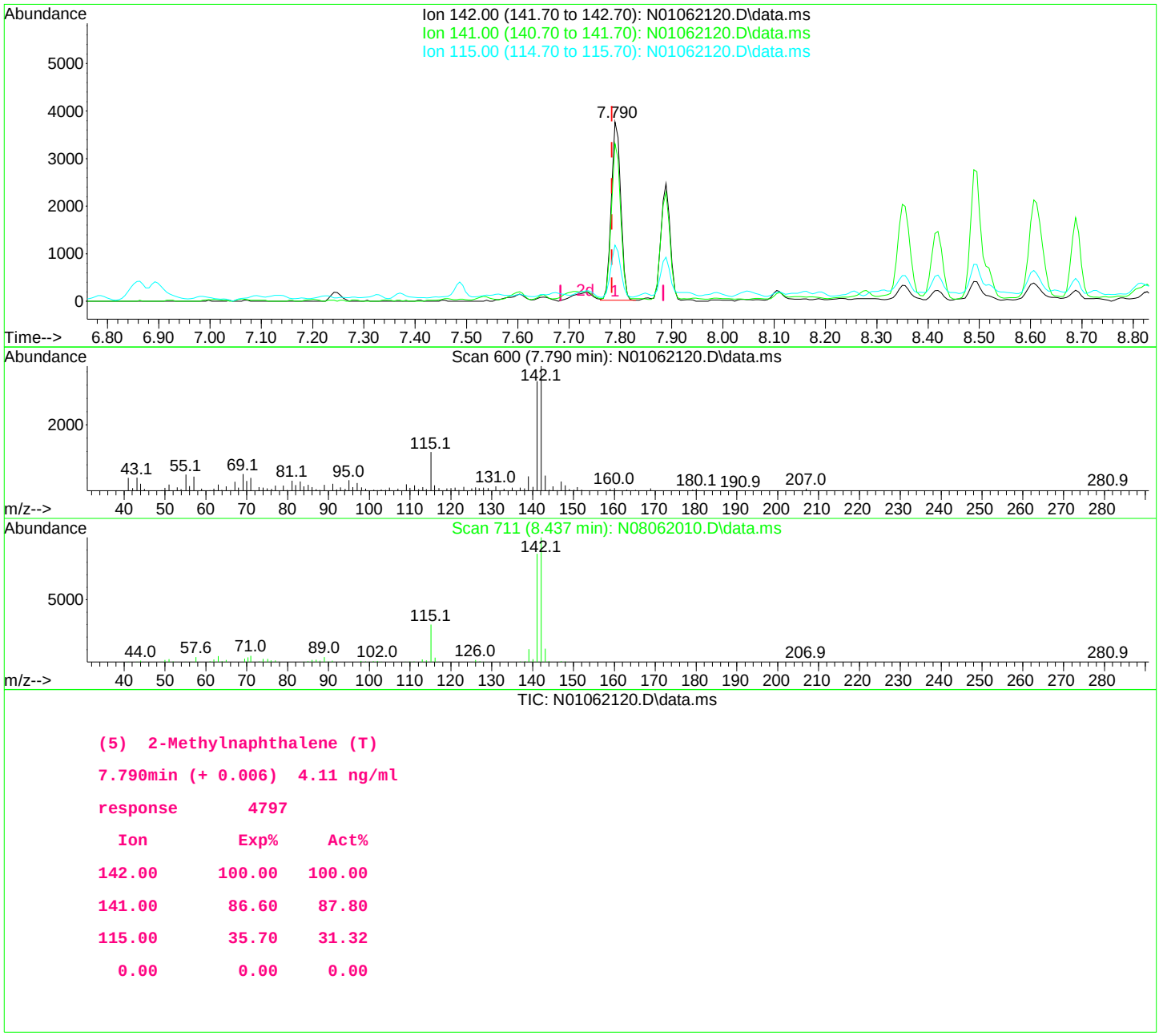

TIC: N01062120.D\data.ms

(5) 2-Methylnaphthalene (T)

7.790min (+ 0.006) 4.11 ng/ml

response 4797

Ion	Exp%	Act%
142.00	100.00	100.00
141.00	86.60	87.80
115.00	35.70	31.32
0.00	0.00	0.00

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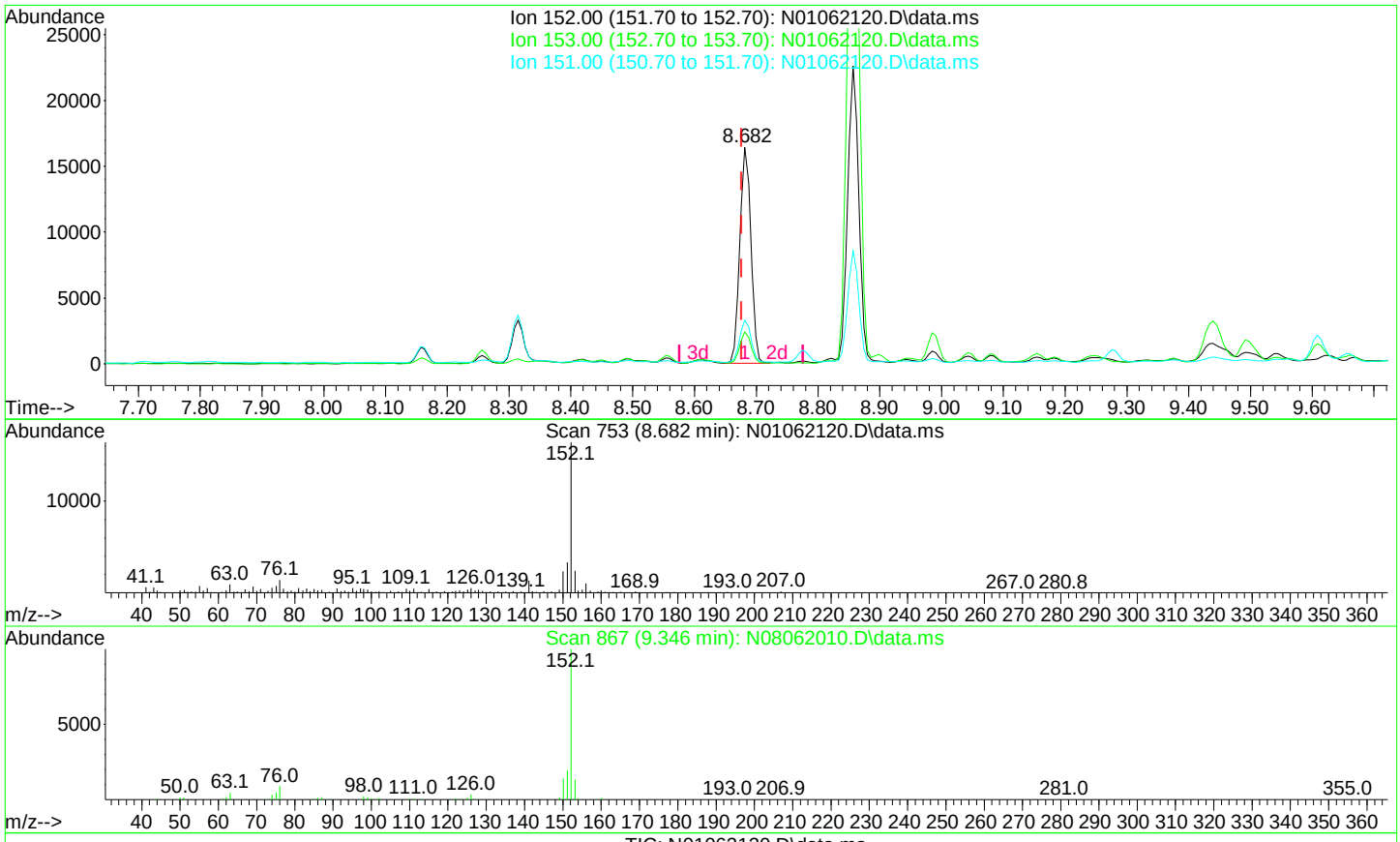

TIC: N01062120.D\data.ms

(11) Acenaphthylene (T)

8.682min (+ 0.006) 11.83 ng/ml

response 20273

Ion	Exp%	Act%
152.00	100.00	100.00
153.00	12.70	14.74
151.00	19.30	20.27
0.00	0.00	0.00

Quantitation Report (Qedit)

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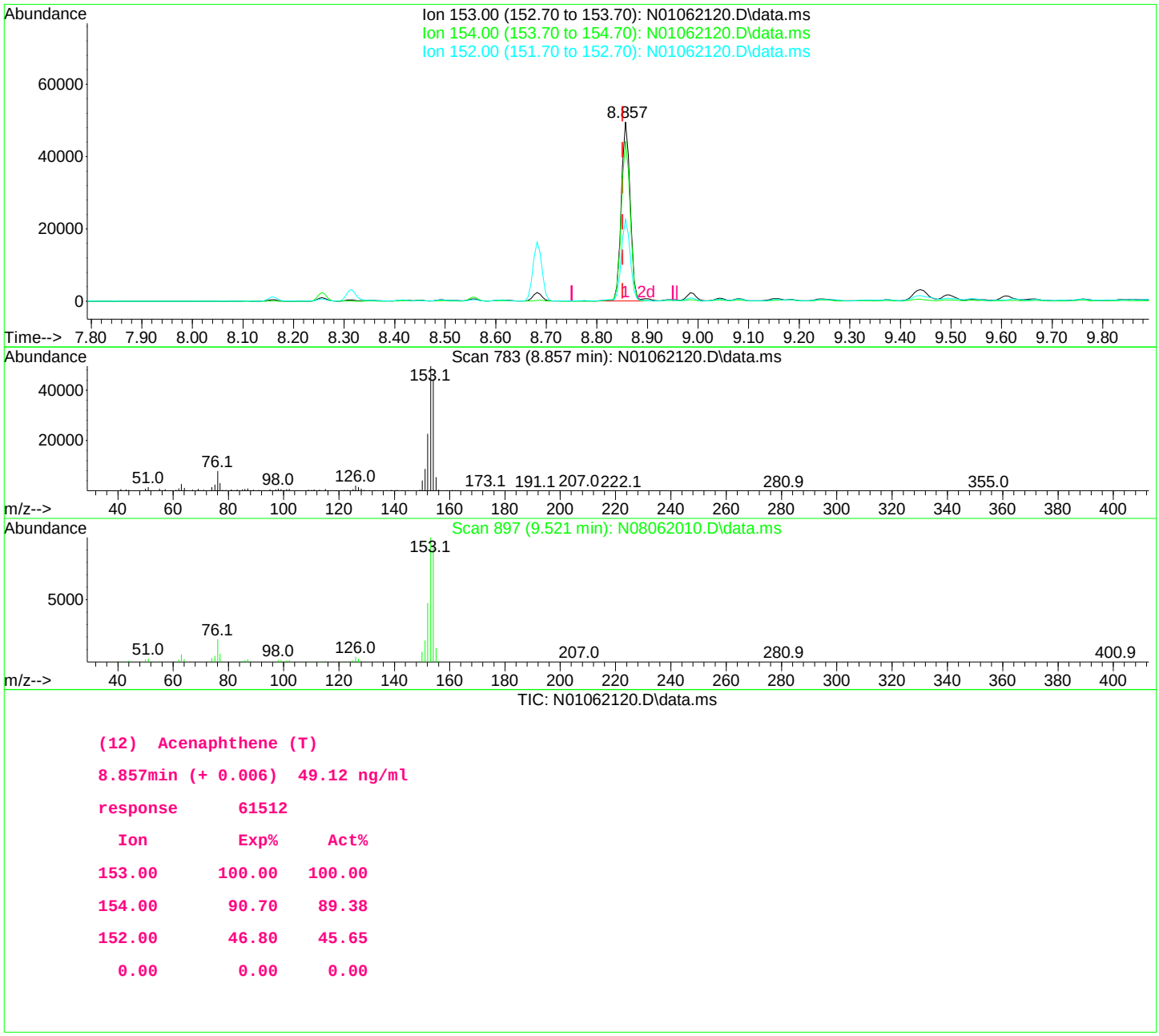

TIC: N01062120.D\data.ms

(12) Acenaphthene (T)

8.857min (+ 0.006) 49.12 ng/ml

response 61512

Ion	Exp%	Act%
153.00	100.00	100.00
154.00	90.70	89.38
152.00	46.80	45.65
0.00	0.00	0.00

Quantitation Report (Qedit)

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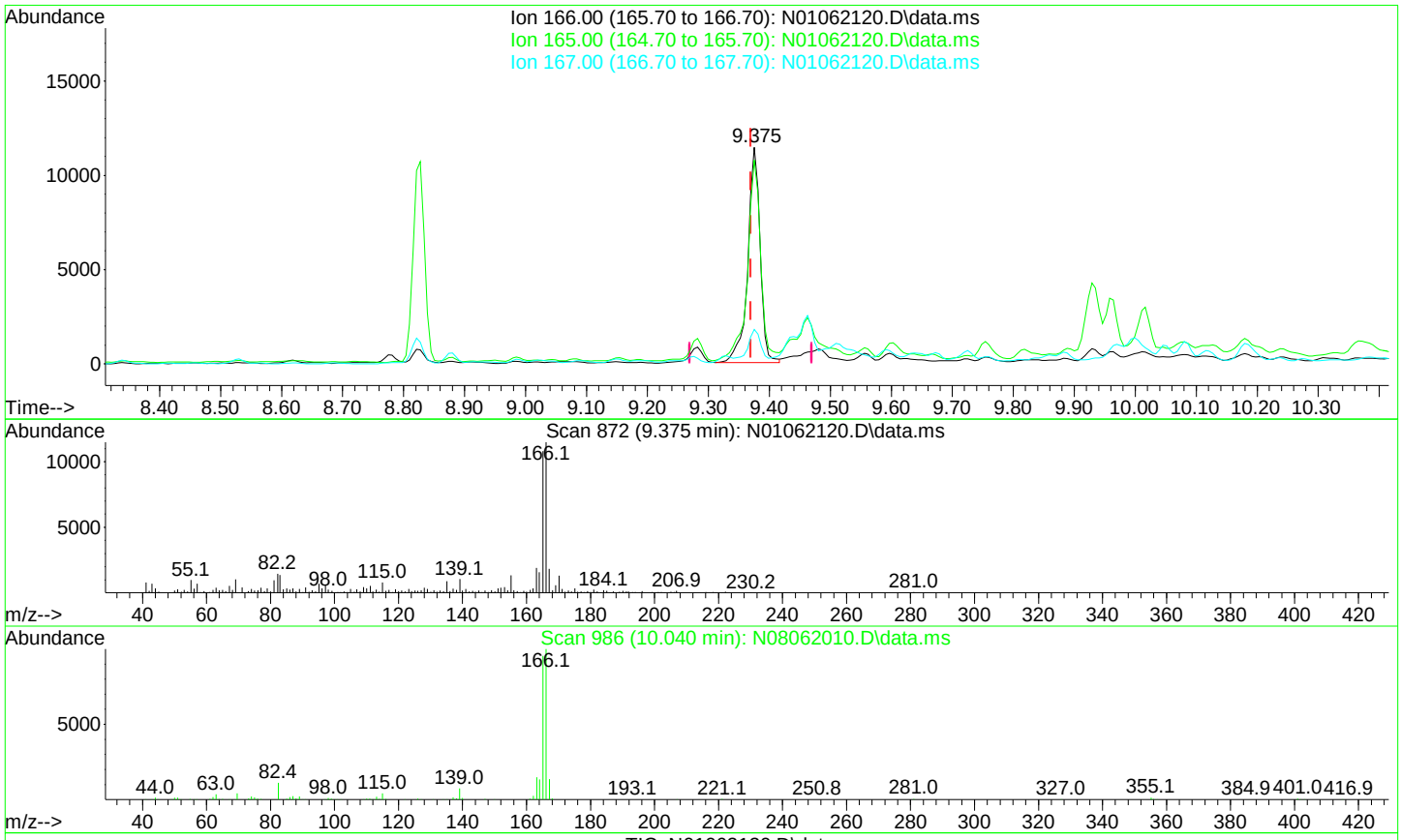

TIC: N01062120.D\data.ms

(15) Fluorene (T)

9.375min (+ 0.006) 12.66 ng/ml

response 16135

Ion	Exp%	Act%
166.00	100.00	100.00
165.00	95.70	94.17
167.00	13.60	15.98
0.00	0.00	0.00

Quantitation Report (Qedit)

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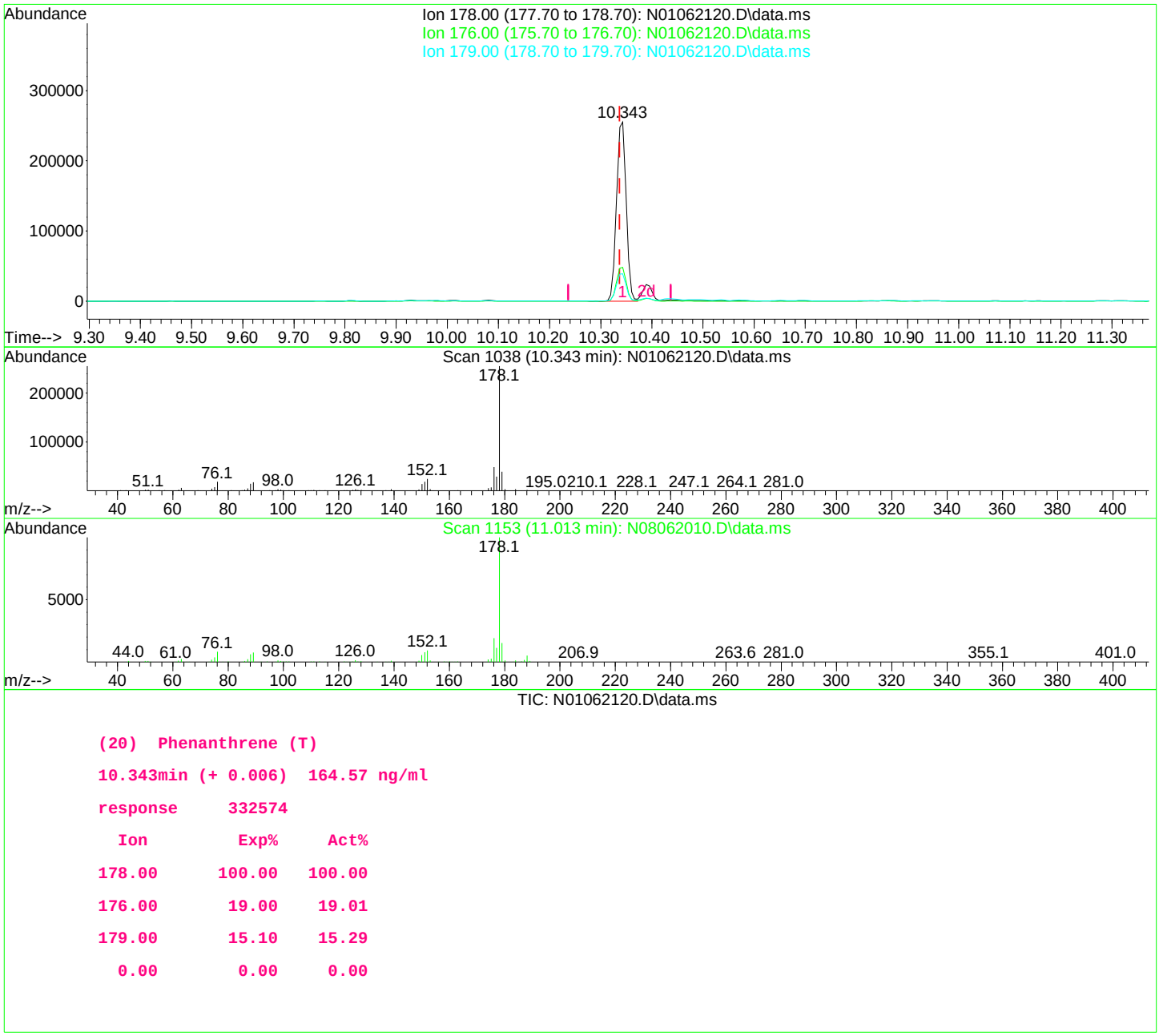

TIC: N01062120.D\data.ms

(20) Phenanthrene (T)

10.343min (+ 0.006) 164.57 ng/ml

response 332574

Ion	Exp%	Act%
178.00	100.00	100.00
176.00	19.00	19.01
179.00	15.10	15.29
0.00	0.00	0.00

Quantitation Report (Qedit)

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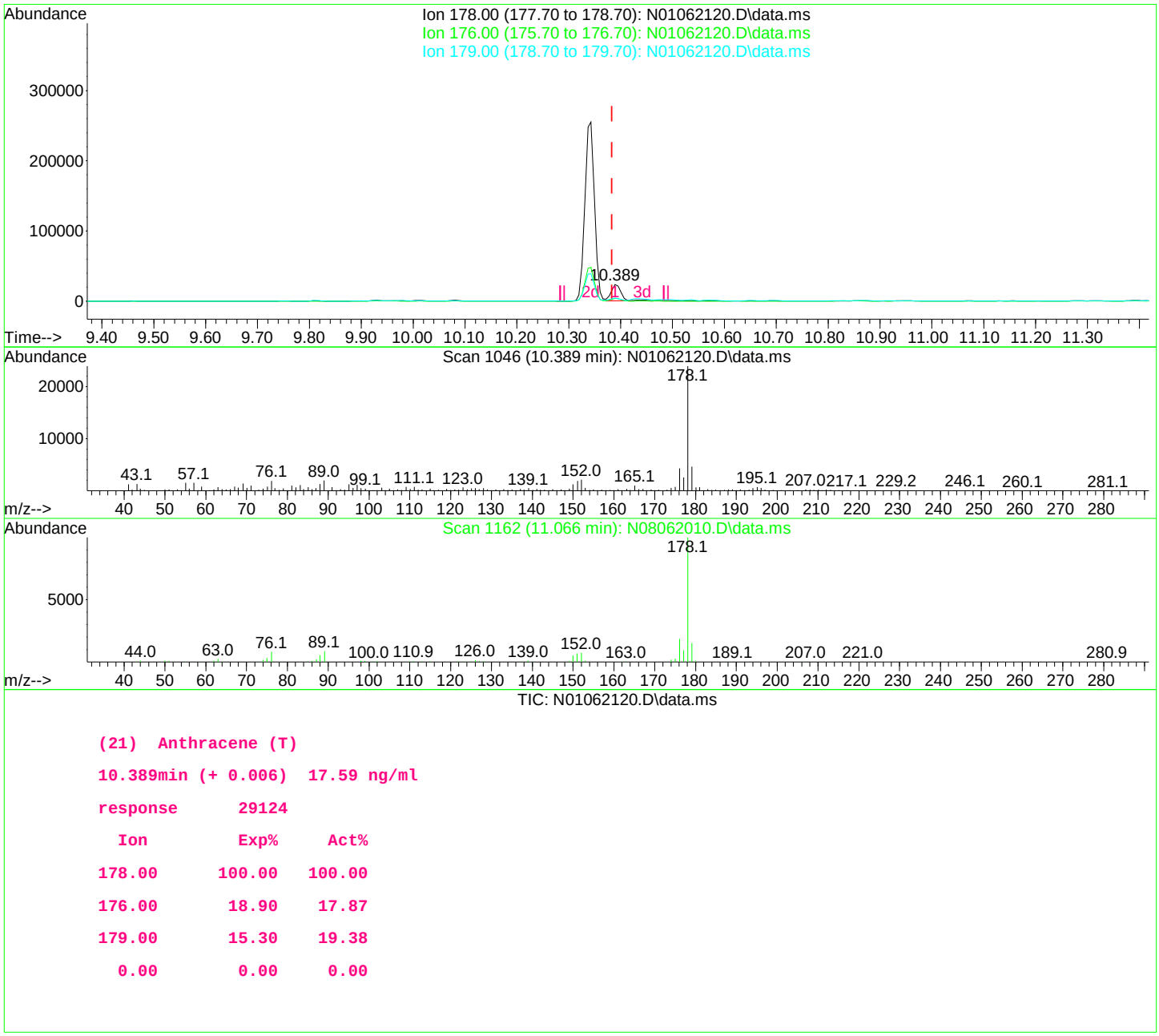

TIC: N01062120.D\data.ms

(21) Anthracene (T)

10.389min (+ 0.006) 17.59 ng/ml

response 29124

Ion	Exp%	Act%
178.00	100.00	100.00
176.00	18.90	17.87
179.00	15.30	19.38
0.00	0.00	0.00

Quantitation Report (Qedit)

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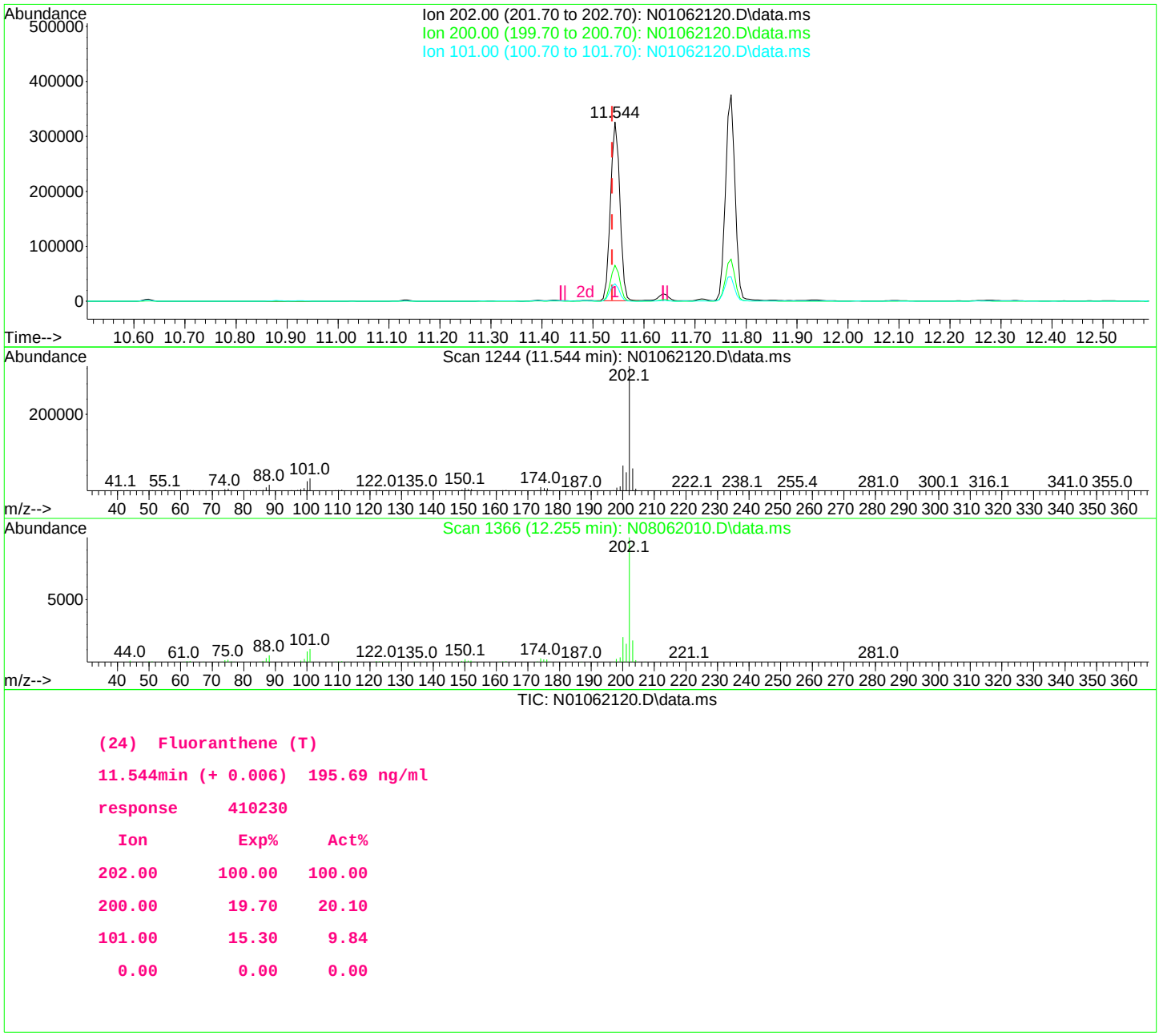

TIC: N01062120.D\data.ms

(24) Fluoranthene (T)

11.544min (+ 0.006) 195.69 ng/ml

response 410230

Ion	Exp%	Act%
202.00	100.00	100.00
200.00	19.70	20.10
101.00	15.30	9.84
0.00	0.00	0.00

Quantitation Report (Qedit)

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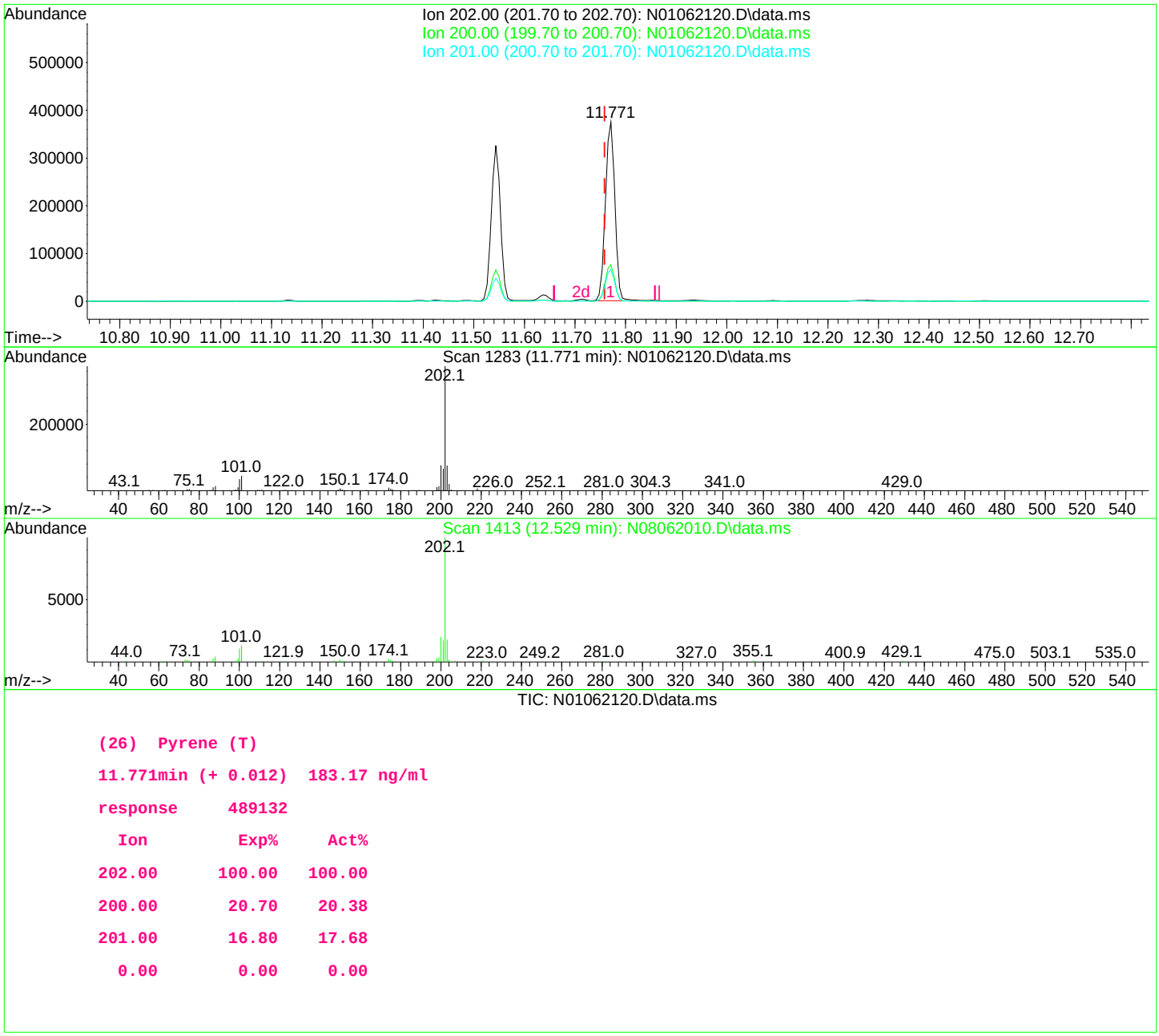

TIC: N01062120.D\data.ms

(26) Pyrene (T)

11.771min (+ 0.012) 183.17 ng/ml

response 489132

Ion	Exp%	Act%
202.00	100.00	100.00
200.00	20.70	20.38
201.00	16.80	17.68
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
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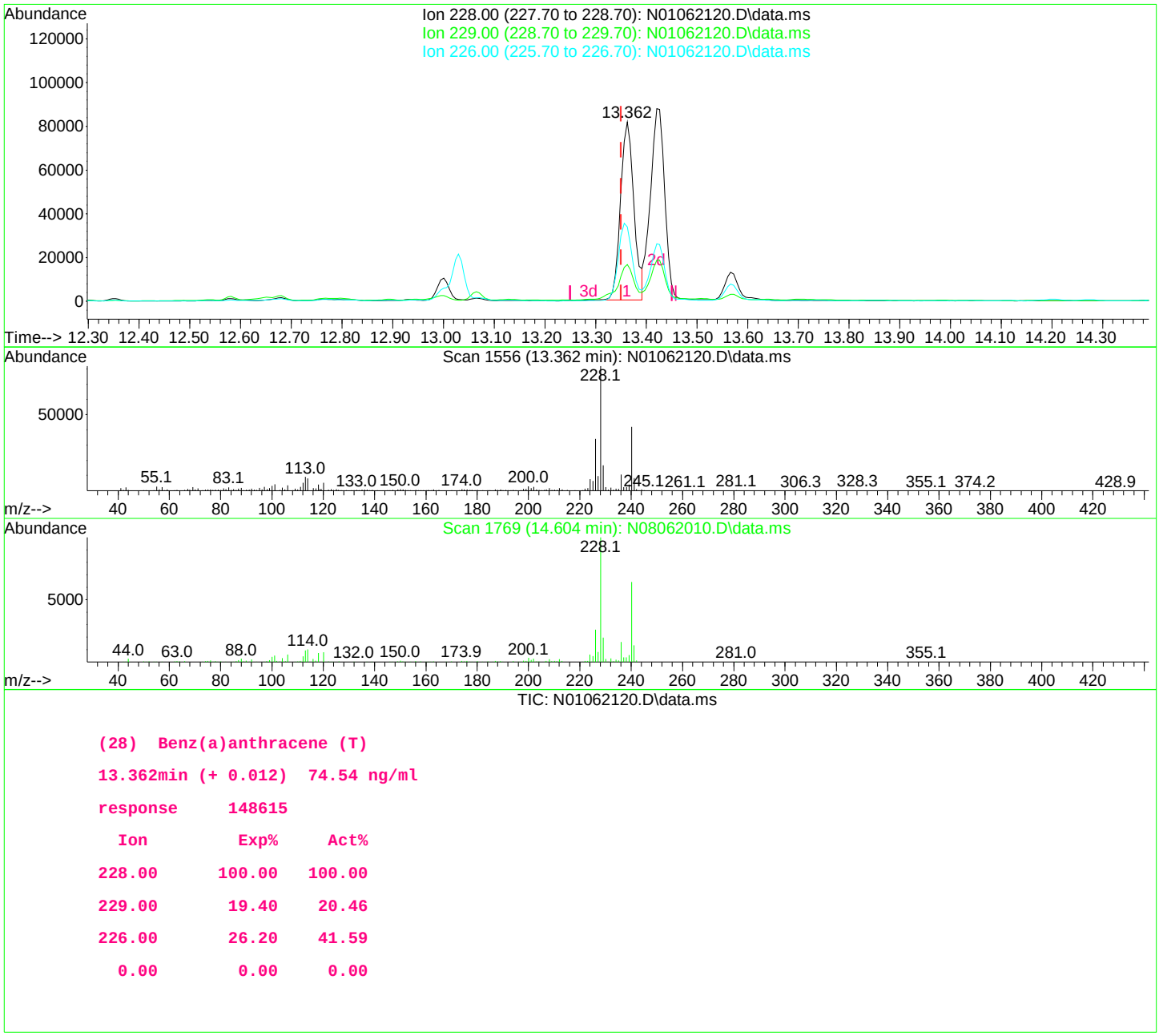

TIC: N01062120.D\data.ms

(28) Benz(a)anthracene (T)

13.362min (+ 0.012) 74.54 ng/ml

response 148615

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.40	20.46
226.00	26.20	41.59
0.00	0.00	0.00

Quantitation Report (Qedit)

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(29) Chrysene (T)

13.420min (+ 0.012) 83.42 ng/ml

response 171856

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.60	21.41
226.00	28.60	29.75
0.00	0.00	0.00

Quantitation Report (Qedit)

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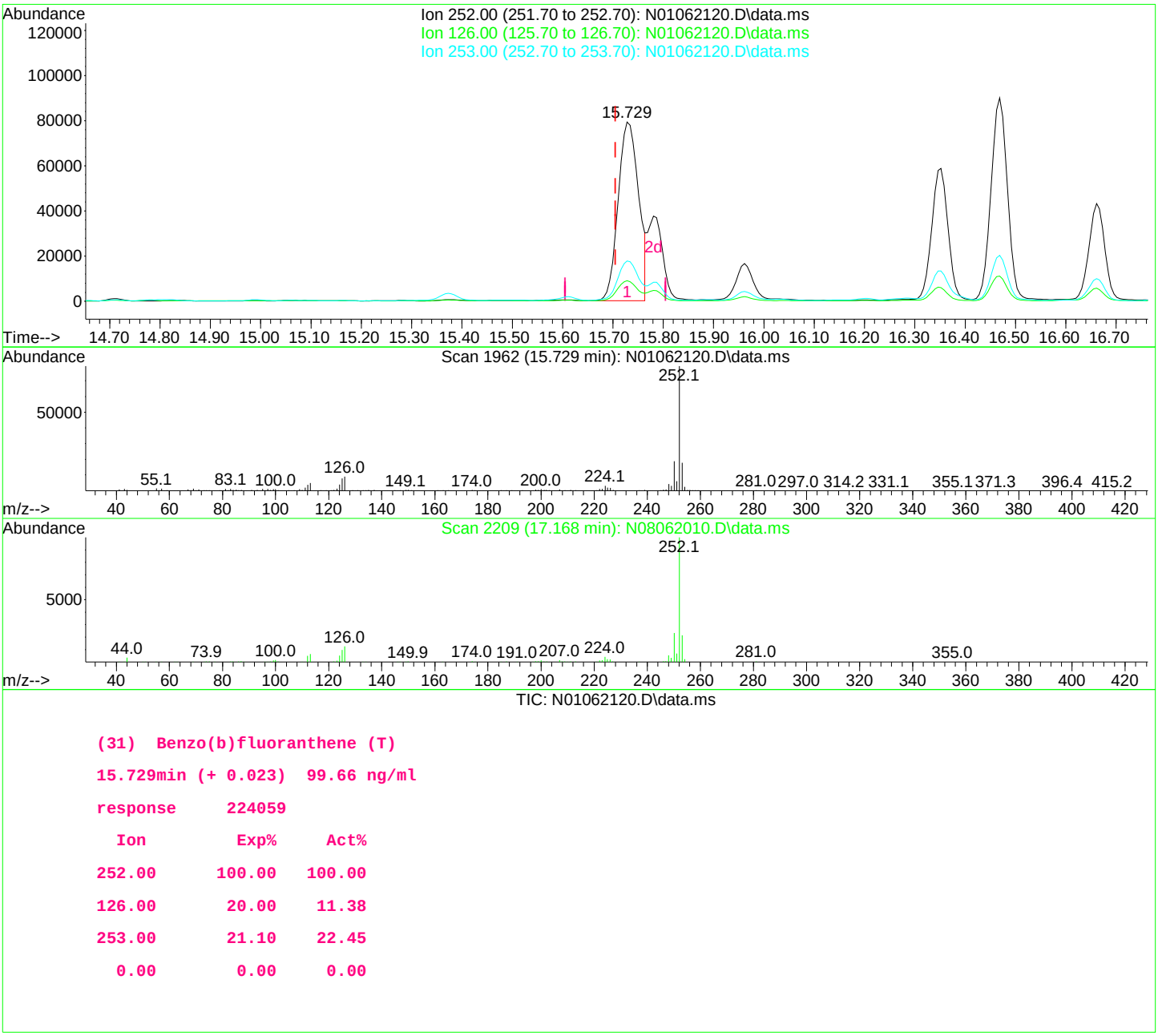

TIC: N01062120.D\data.ms

(31) Benzo(b)fluoranthene (T)

15.729min (+ 0.023) 99.66 ng/ml

response 224059

Ion	Exp%	Act%
252.00	100.00	100.00
126.00	20.00	11.38
253.00	21.10	22.45
0.00	0.00	0.00

Quantitation Report (Qedit)

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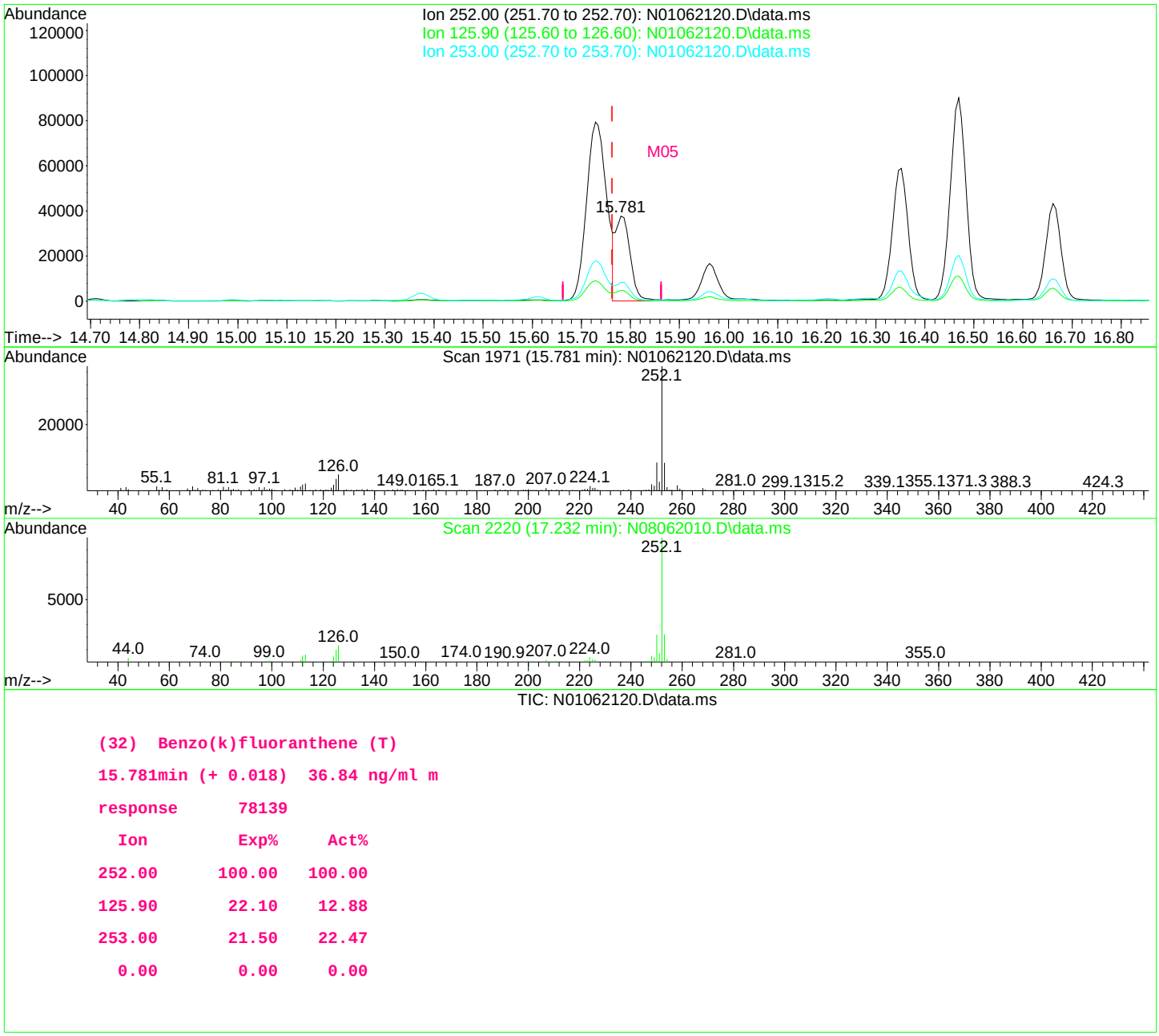

TIC: N01062120.D\data.ms

(32) Benzo(k)fluoranthene (T)

15.781min (+ 0.018) 36.84 ng/ml m

response 78139

Ion	Exp%	Act%
252.00	100.00	100.00
125.90	22.10	12.88
253.00	21.50	22.47
0.00	0.00	0.00

Quantitation Report (Qedit)

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TIC: N01062120.D\data.ms

(35) Benzo(a)pyrene (T)

16.469min (+ 0.023) 122.07 ng/ml

response 198964

Ion	Exp%	Act%
252.00	100.00	100.00
112.90	12.70	8.57
253.00	21.90	22.52
0.00	0.00	0.00

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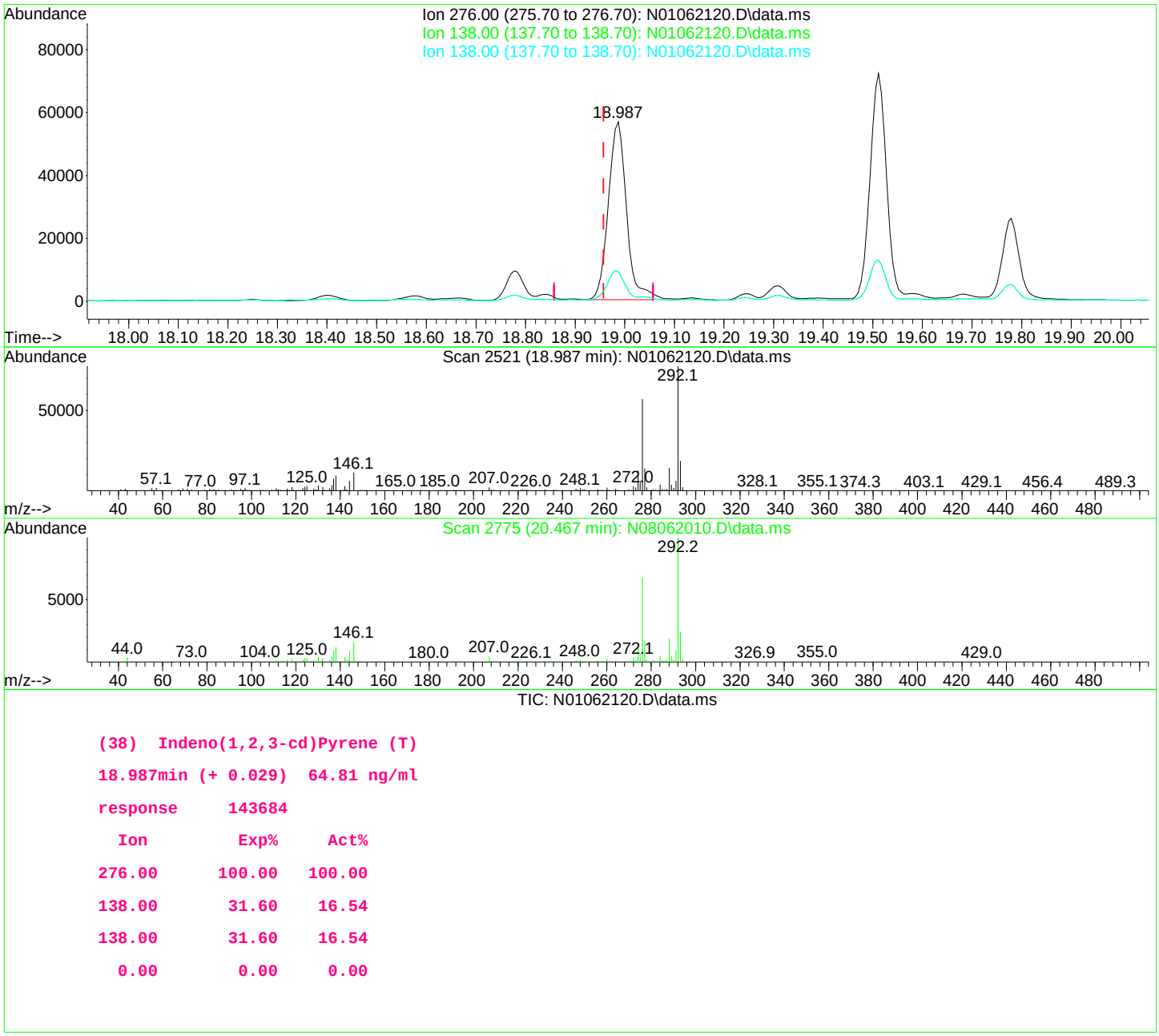

TIC: N01062120.D\data.ms

(38) Indeno(1,2,3-cd)Pyrene (T)

18.987min (+ 0.029) 64.81 ng/ml

response 143684

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	31.60	16.54
138.00	31.60	16.54
0.00	0.00	0.00

Quantitation Report (Qedit)

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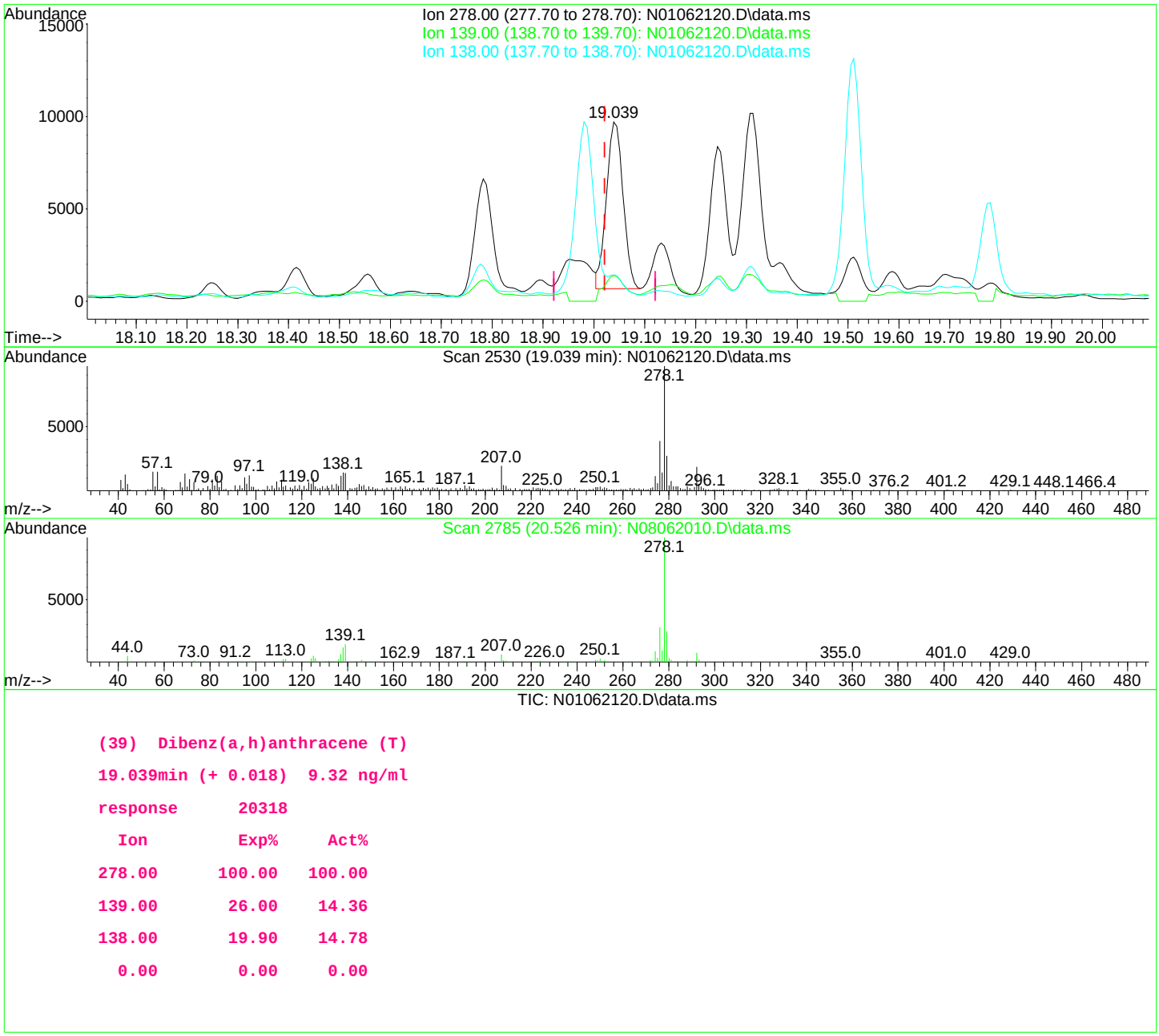

TIC: N01062120.D\data.ms

(39) Dibenz(a,h)anthracene (T)

19.039min (+ 0.018) 9.32 ng/ml

response 20318

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	26.00	14.36
138.00	19.90	14.78
0.00	0.00	0.00

Quantitation Report (Qedit)

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QLast Update : Wed Jan 06 09:14:06 2021
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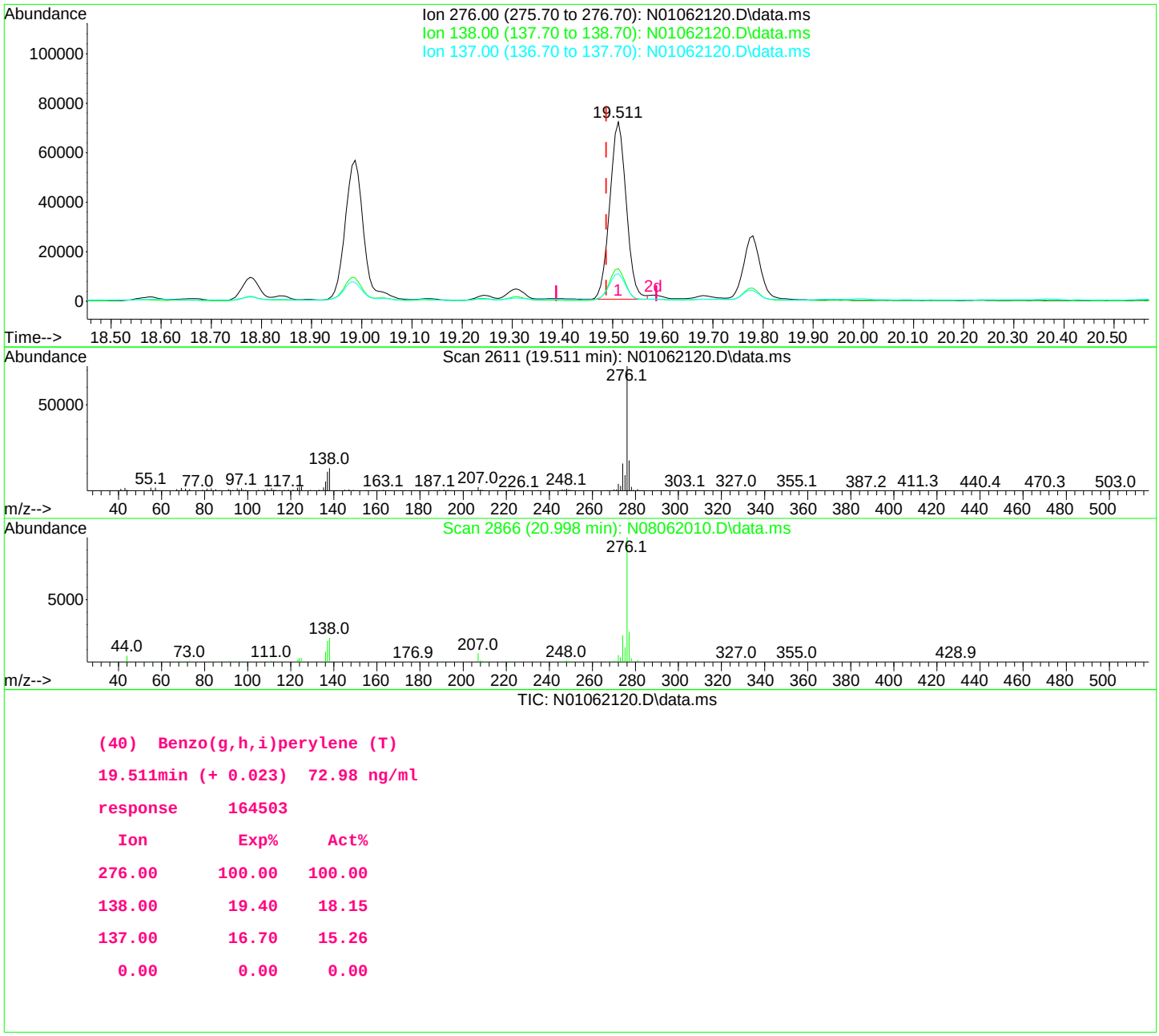

TIC: N01062120.D\data.ms

(40) Benzo(g,h,i)perylene (T)

19.511min (+ 0.023) 72.98 ng/ml

response 164503

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	19.40	18.15
137.00	16.70	15.26
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

AMS 1/7/21

Data Path : U:\data\2021-01\1A06048\
Data File : N01062121.D
Acq On : 06 Jan 2021 07:06 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-13
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jan 07 11:42:42 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.090	136	167430	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	8.827	162	105987	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.314	188	187813	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	13.374	240	168553	100.00	ng/ml	0.00
30) Perylene-d12 (ISTD)	16.597	264	171189	100.00	ng/ml	0.01
37) Dibenz(a,h)Anthrcene-d...	18.975	292	147697	100.00	ng/ml	0.02
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	6.420	82	36208	77.20	ng/ml	0.01
10) 2-Fluorobiphenyl (Surr)	8.157	172	129223	85.27	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	9.626	330	29912	125.15	ng/ml	0.00
27) Terphenyl-d14 (Surr)	11.946	244	163959	101.17	ng/ml	0.01
Target Compounds						Qvalue
3) Decalin	0.000		0	N.D.		
4) Naphthalene	7.114	128	5229	3.03	ng/ml	97
5) 2-Methylnaphthalene	7.790	142	1100	0.88	ng/ml	94
6) 1-Methylnaphthalene	7.889	142	854	0.68	ng/ml	93
7) 1,1'-Biphenyl	8.256	154	1280	0.81	ng/ml	95
8) 2,6-Dimethylnaphthalene	8.419	156	810	0.70	ng/ml	93
11) Acenaphthylene	8.682	152	6102	3.43	ng/ml	95
12) Acenaphthene	8.856	153	34664	26.70	ng/ml	98
13) Dibenzofuran	9.031	168	640	N.D.		
14) 1,6,7-Trimethylnaphtha...	9.241	170	1853	1.57	ng/ml	79
15) Fluorene	9.375	166	5112	3.87	ng/ml	97
18) Pentachlorophenol (PCP)	10.162	266	225	11.36	ng/ml	93
19) Dibenzothiopene	10.209	184	20265	11.11	ng/ml	95
20) Phenanthrene	10.337	178	201728	99.24	ng/ml	99
21) Anthracene	10.389	178	5314	3.19	ng/ml	92
22) Carbazole	10.570	167	468	N.D.		
23) 1-Methylphenanthrene	10.961	192	13170	9.01	ng/ml	93
24) Fluoranthene	11.543	202	98682	46.80	ng/ml	94
26) Pyrene	11.765	202	165914	73.51	ng/ml	99
28) Benz(a)anthracene	13.362	228	28447	16.88	ng/ml	80
29) Chrysene	13.420	228	35968	20.66	ng/ml	97
31) Benzo(b)fluoranthene	15.723	252	42954	24.75	ng/ml	89
32) Benzo(k)fluoranthene	15.781	252	13285m	8.11	ng/ml	M05

Quantitation Report (QT Reviewed)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062121.D
Acq On : 06 Jan 2021 07:06 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-13
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jan 07 11:42:42 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	15.723	252	58182	32.93	ng/ml	87
34) Benzo(e)pyrene	16.346	252	27020	15.65	ng/ml	97
35) Benzo(a)pyrene	16.463	252	37146	29.52	ng/ml	99
36) Perylene	16.661	252	57552	30.80	ng/ml	100
38) Indeno(1,2,3-cd)Pyrene	18.981	276	26991	16.98	ng/ml	74
39) Dibenz(a,h)anthracene	19.039	278	3587	2.30	ng/ml	93
40) Benzo(g,h,i)perylene	19.505	276	31936	19.76	ng/ml	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062121.D
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Operator : JK/ AMS/ DTH
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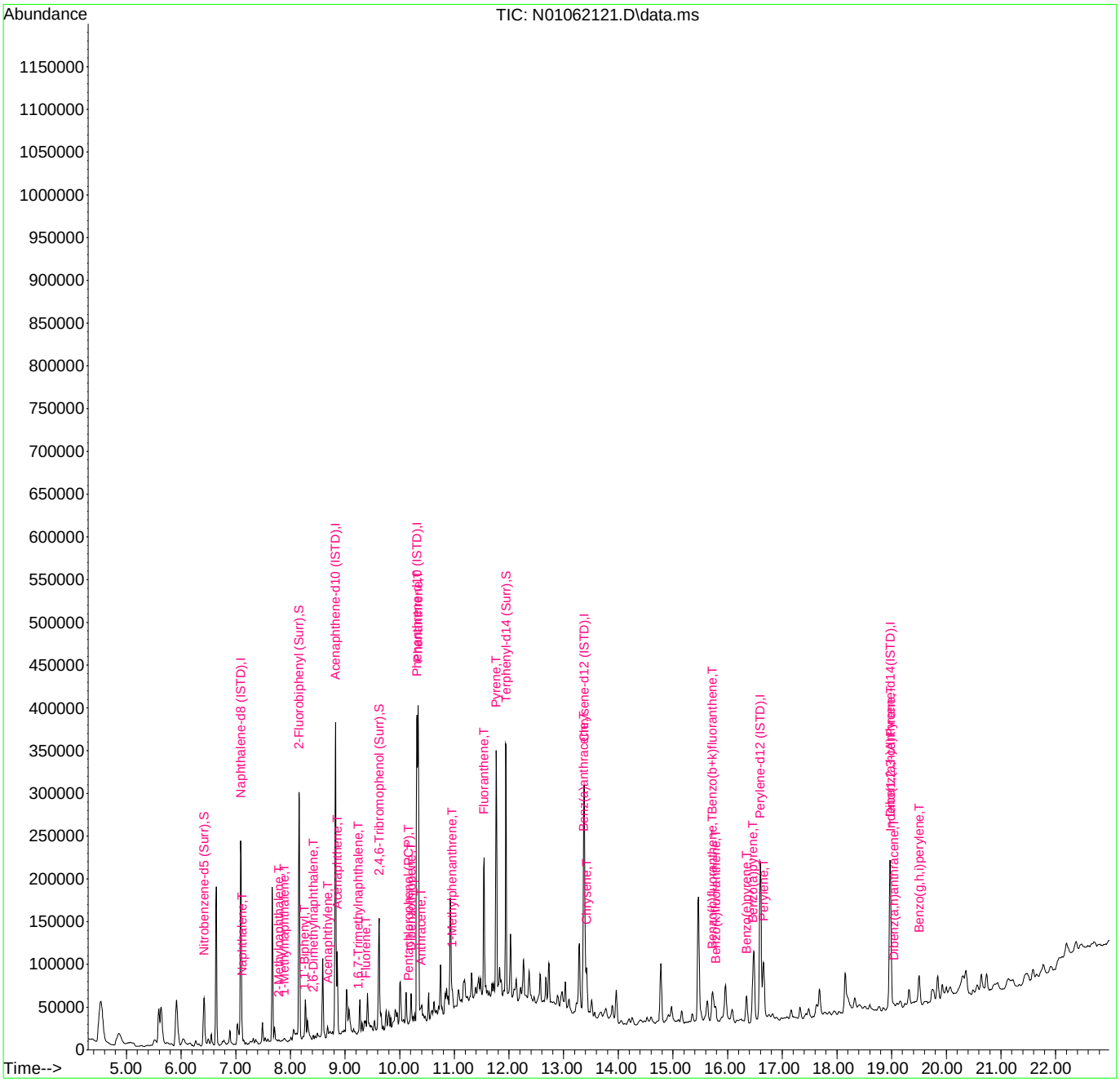
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062121.D
Acq On : 06 Jan 2021 07:06 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-13
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jan 07 11:41:24 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
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29) Chrysene	13.420	228	35968	20.66	ng/ml	97
31) Benzo(b)fluoranthene	15.723	252	42954	24.75	ng/ml	89
32) Benzo(k)fluoranthene	15.723	252	54321	33.17	ng/ml	87

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062121.D
Acq On : 06 Jan 2021 07:06 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-13
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jan 07 11:41:24 2021
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QLast Update : Wed Jan 06 09:14:06 2021
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36) Perylene	16.661	252	57552	30.80	ng/ml	100
38) Indeno(1,2,3-cd)Pyrene	18.981	276	26991	16.98	ng/ml	74
39) Dibenz(a,h)anthracene	19.039	278	3587	2.30	ng/ml	93
40) Benzo(g,h,i)perylene	19.505	276	31936	19.76	ng/ml	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062121.D
Acq On : 06 Jan 2021 07:06 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-13
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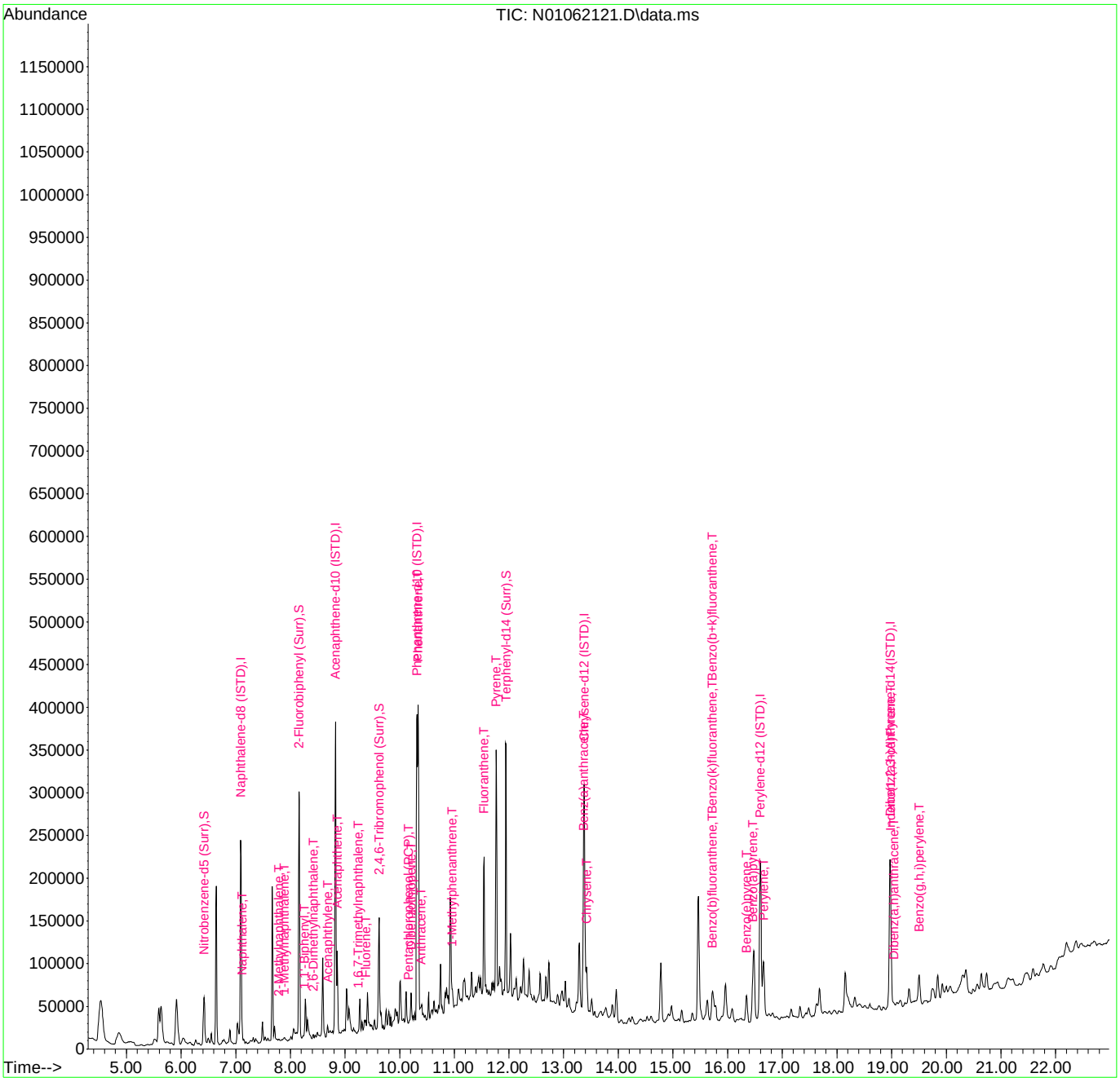
Quant Time: Jan 07 11:41:24 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062121.D
Acq On : 06 Jan 2021 07:06 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-13
Misc : 1x, 8270E LL PAH ONLY
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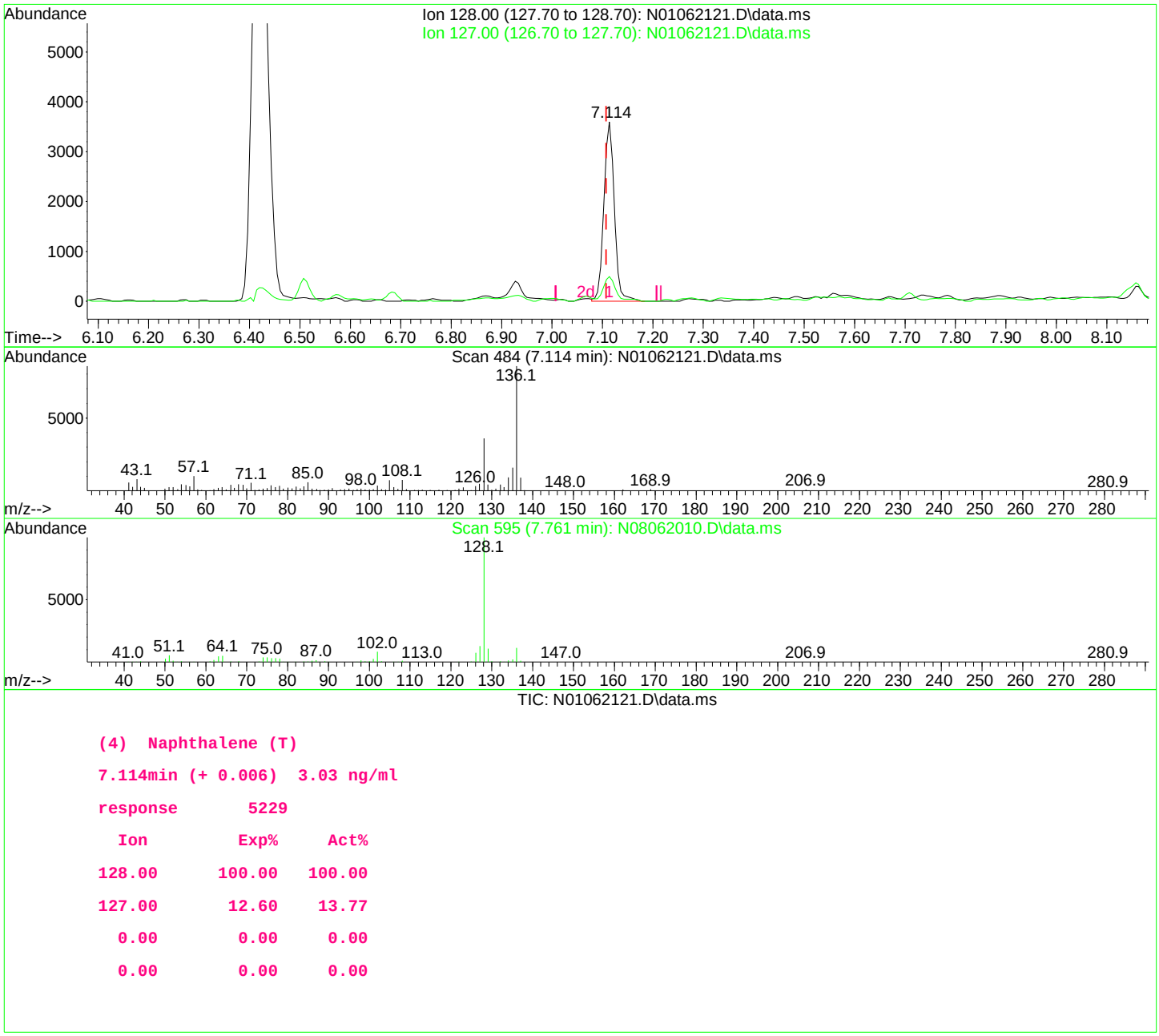
Quant Time: Jan 07 11:41:24 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01062121.D\data.ms

(4) Naphthalene (T)

7.114min (+ 0.006) 3.03 ng/ml

response 5229

Ion	Exp%	Act%
128.00	100.00	100.00
127.00	12.60	13.77
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062121.D
Acq On : 06 Jan 2021 07:06 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-13
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jan 07 11:41:24 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
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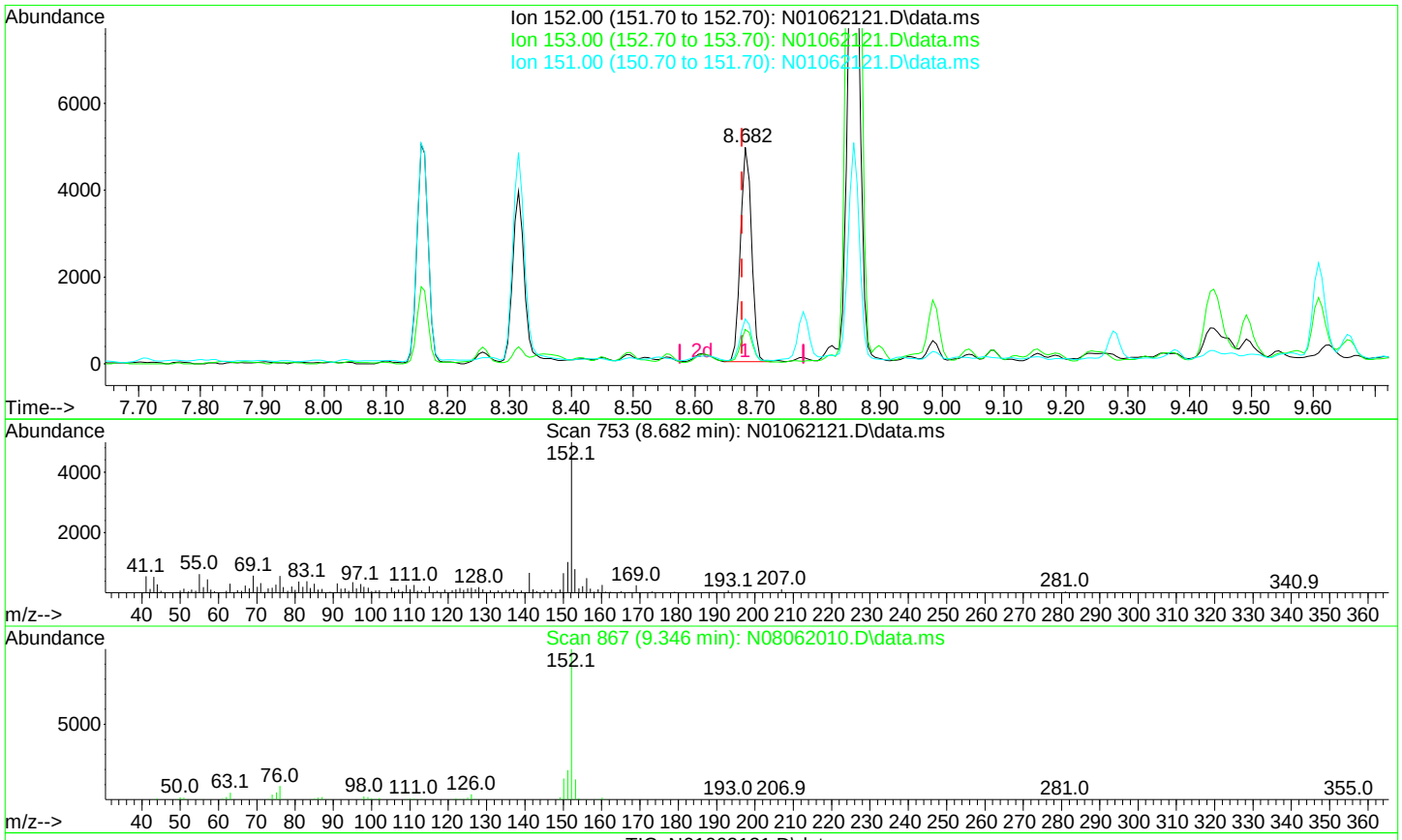

TIC: N01062121.D\data.ms

(11) Acenaphthylene (T)

8.682min (+ 0.006) 3.43 ng/ml

response 6102

Ion	Exp%	Act%
152.00	100.00	100.00
153.00	12.70	15.90
151.00	19.30	20.77
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062121.D
Acq On : 06 Jan 2021 07:06 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-13
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ALS Vial : 14 Sample Multiplier: 1

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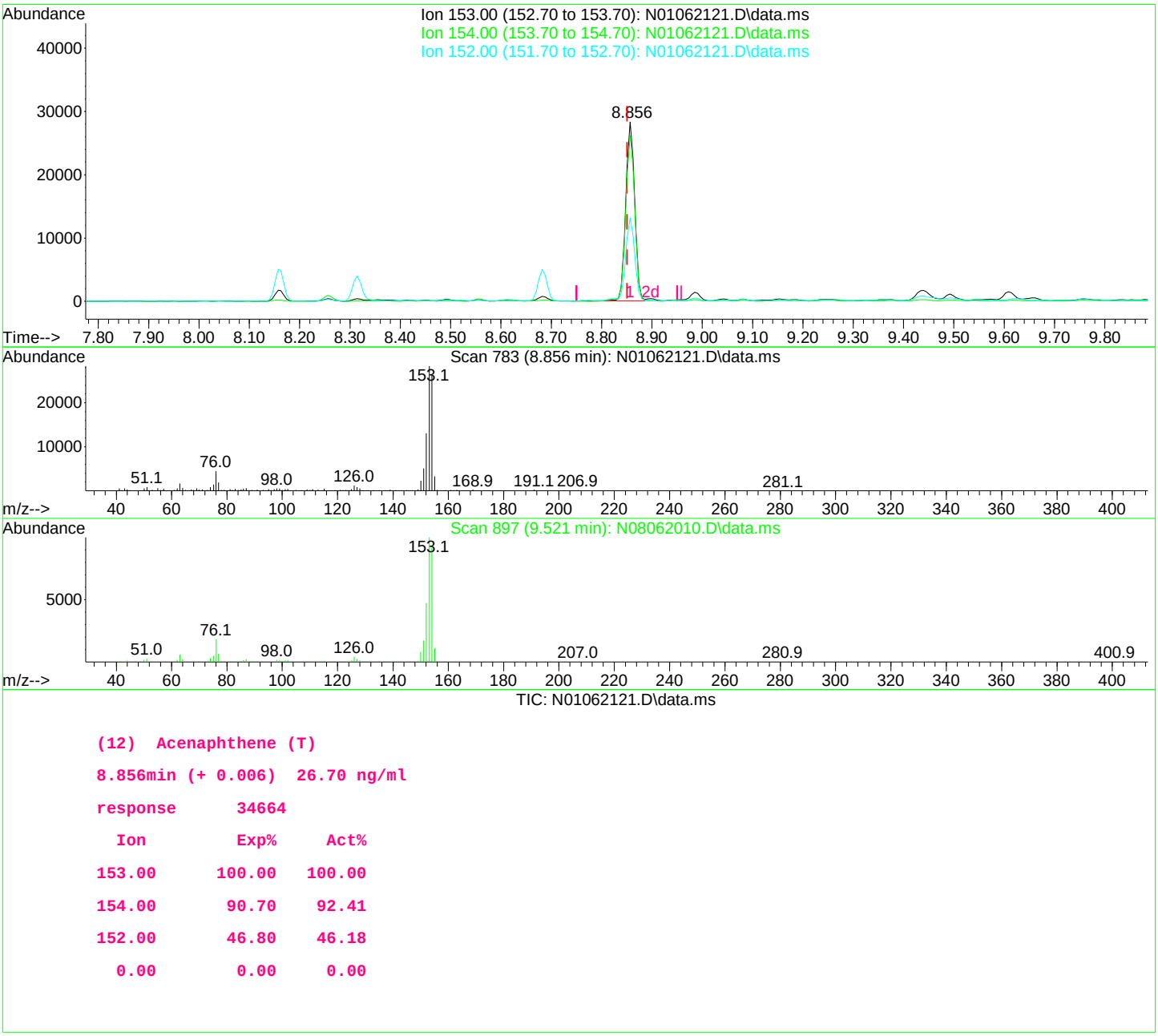
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01062121.D\data.ms

(12) Acenaphthene (T)

8.856min (+ 0.006) 26.70 ng/ml

response 34664

Ion	Exp%	Act%
153.00	100.00	100.00
154.00	90.70	92.41
152.00	46.80	46.18
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062121.D
Acq On : 06 Jan 2021 07:06 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-13
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ALS Vial : 14 Sample Multiplier: 1

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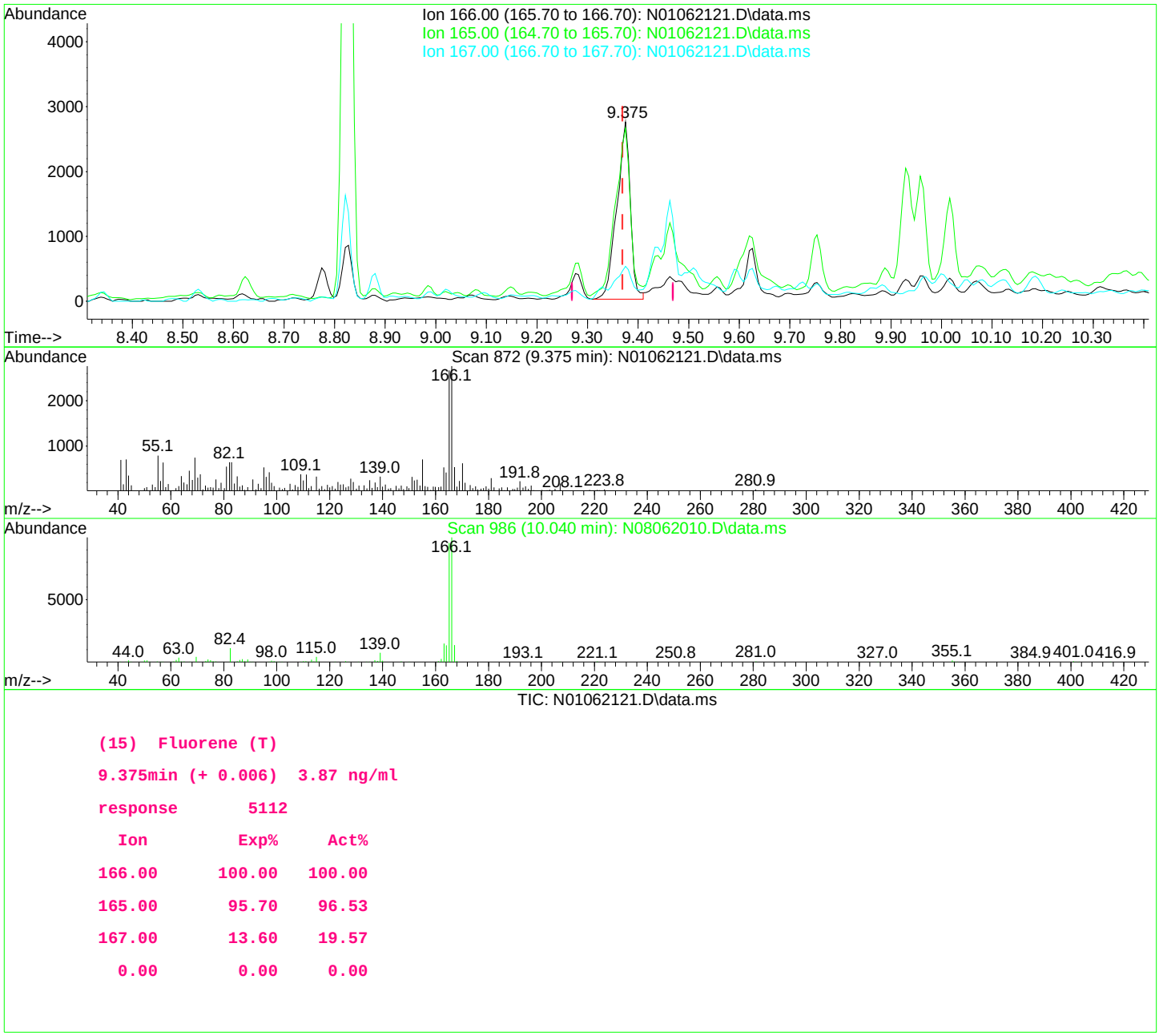
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01062121.D\data.ms

(15) Fluorene (T)

9.375min (+ 0.006) 3.87 ng/ml

response 5112

Ion	Exp%	Act%
166.00	100.00	100.00
165.00	95.70	96.53
167.00	13.60	19.57
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
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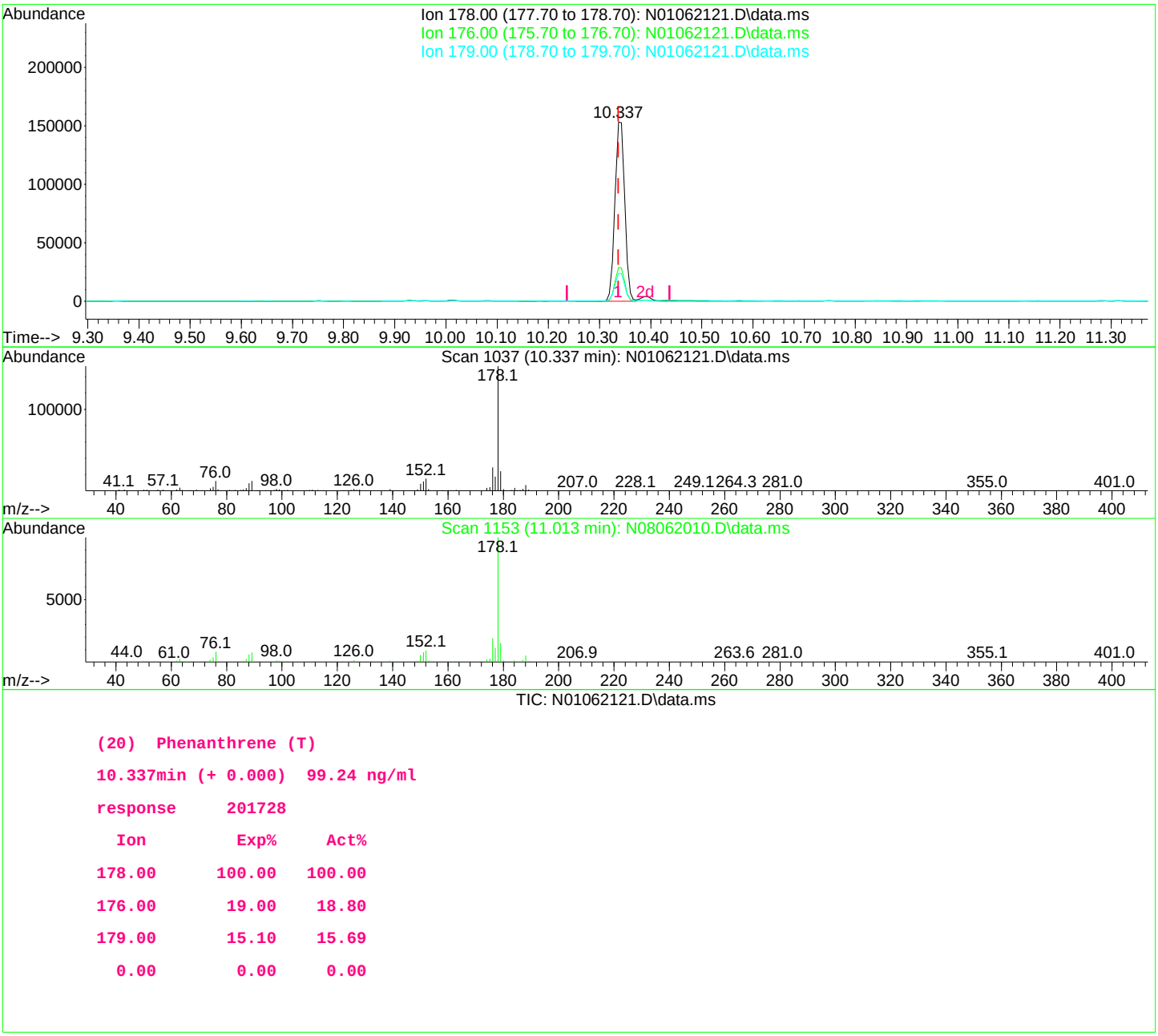

TIC: N01062121.D\data.ms

(20) Phenanthrene (T)

10.337min (+ 0.000) 99.24 ng/ml

response 201728

Ion	Exp%	Act%
178.00	100.00	100.00
176.00	19.00	18.80
179.00	15.10	15.69
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
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Acq On : 06 Jan 2021 07:06 pm
Operator : JK/ AMS/ DTH
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Misc : 1x, 8270E LL PAH ONLY
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QLast Update : Wed Jan 06 09:14:06 2021
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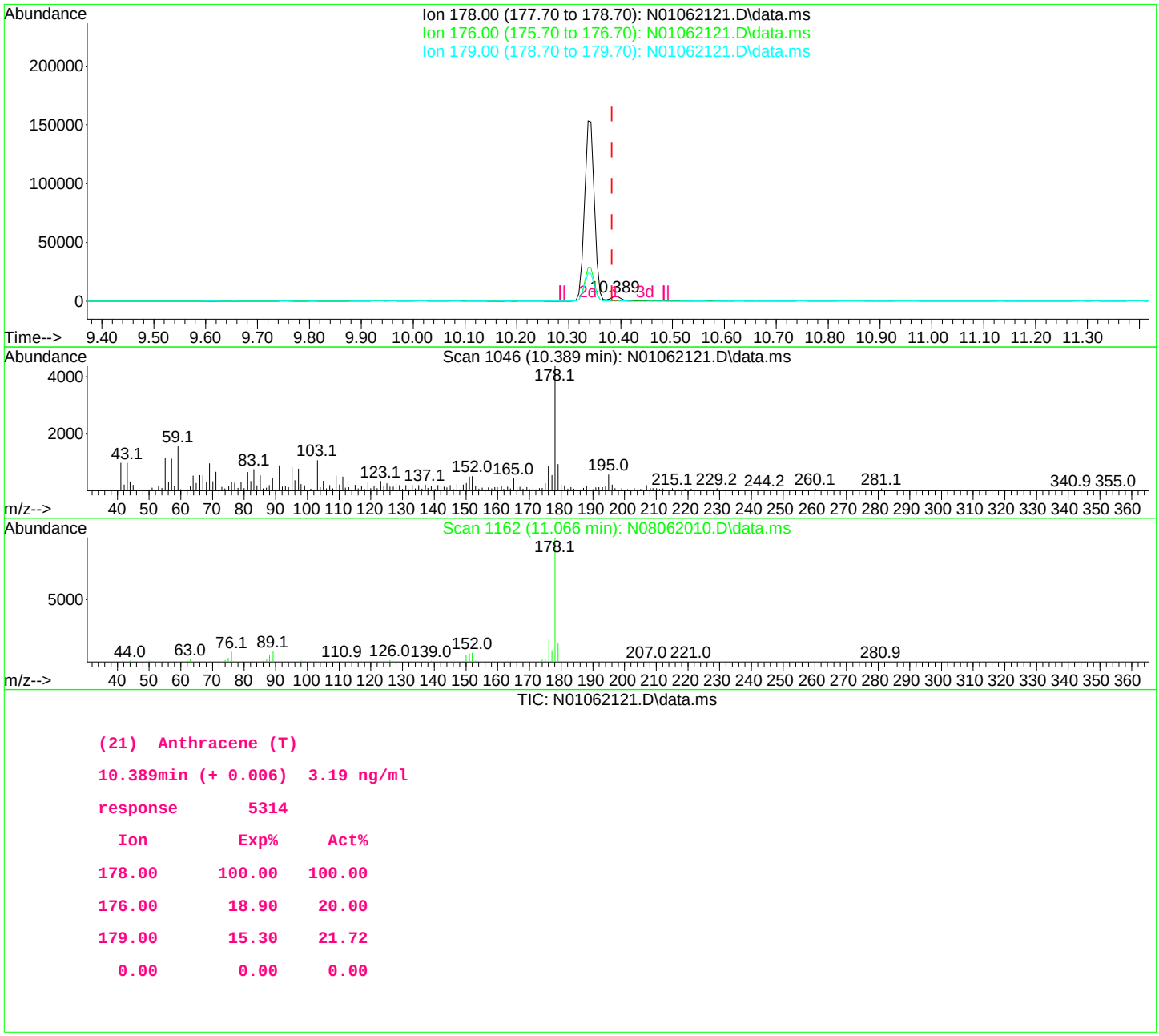

TIC: N01062121.D\data.ms

(21) Anthracene (T)

10.389min (+ 0.006) 3.19 ng/ml

response 5314

Ion	Exp%	Act%
178.00	100.00	100.00
176.00	18.90	20.00
179.00	15.30	21.72
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062121.D
Acq On : 06 Jan 2021 07:06 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-13
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 14 Sample Multiplier: 1

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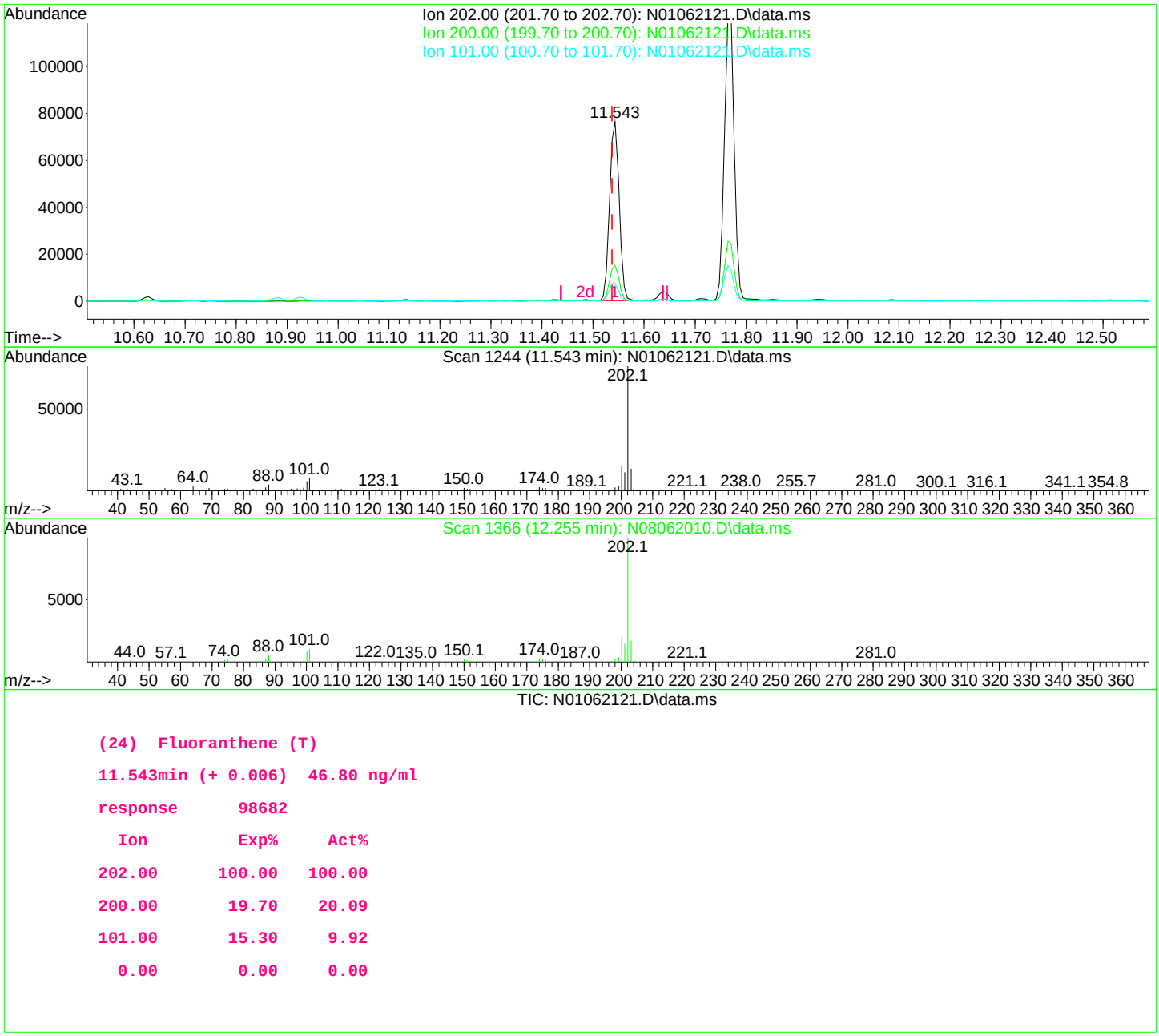

TIC: N01062121.D\data.ms

(24) Fluoranthene (T)

11.543min (+ 0.006) 46.80 ng/ml

response 98682

Ion	Exp%	Act%
202.00	100.00	100.00
200.00	19.70	20.09
101.00	15.30	9.92
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062121.D
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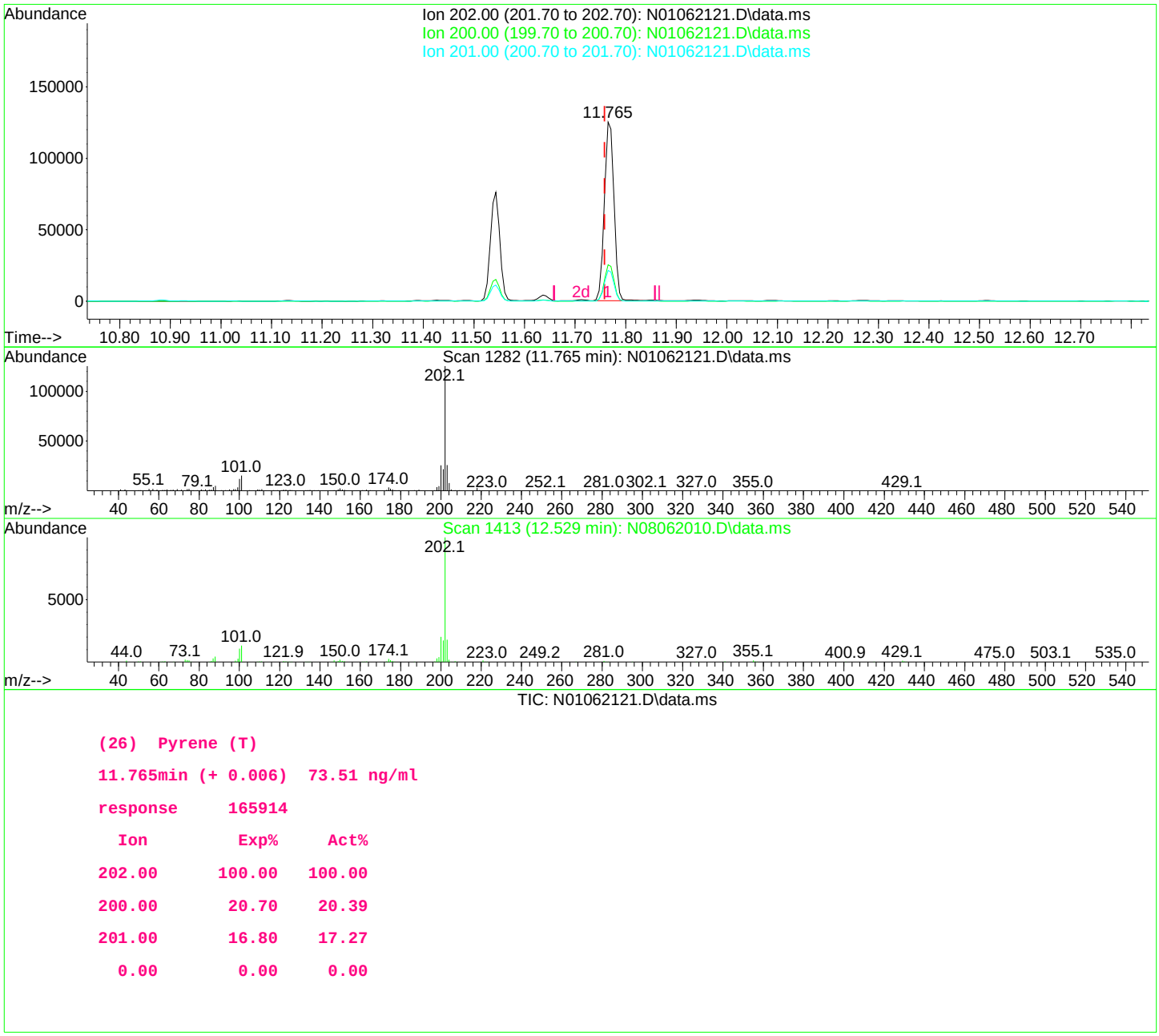

TIC: N01062121.D\data.ms

(26) Pyrene (T)

11.765min (+ 0.006) 73.51 ng/ml

response 165914

Ion	Exp%	Act%
202.00	100.00	100.00
200.00	20.70	20.39
201.00	16.80	17.27
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062121.D
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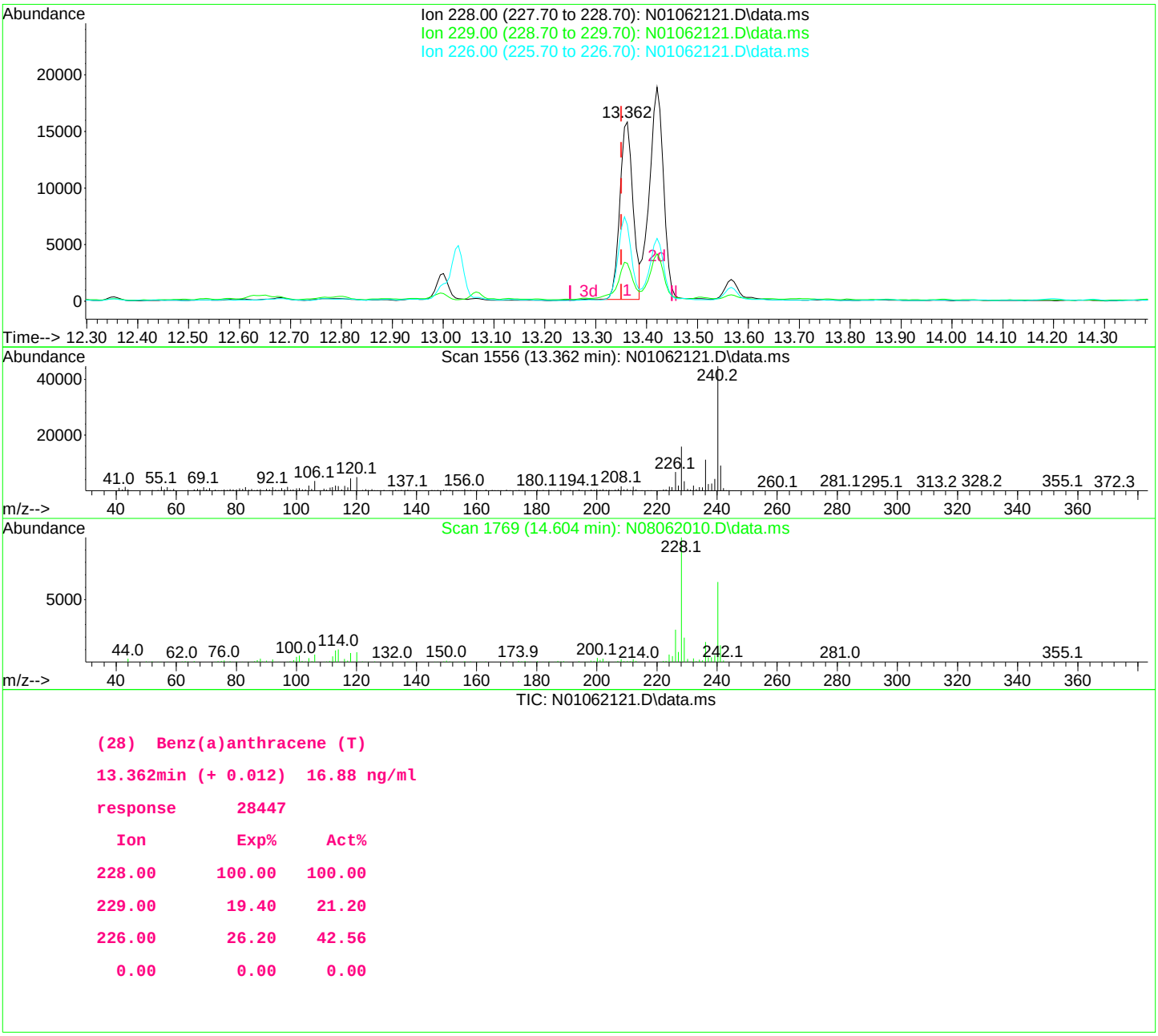


TIC: N01062121.D\data.ms

(28) Benz(a)anthracene (T)

13.362min (+ 0.012) 16.88 ng/ml

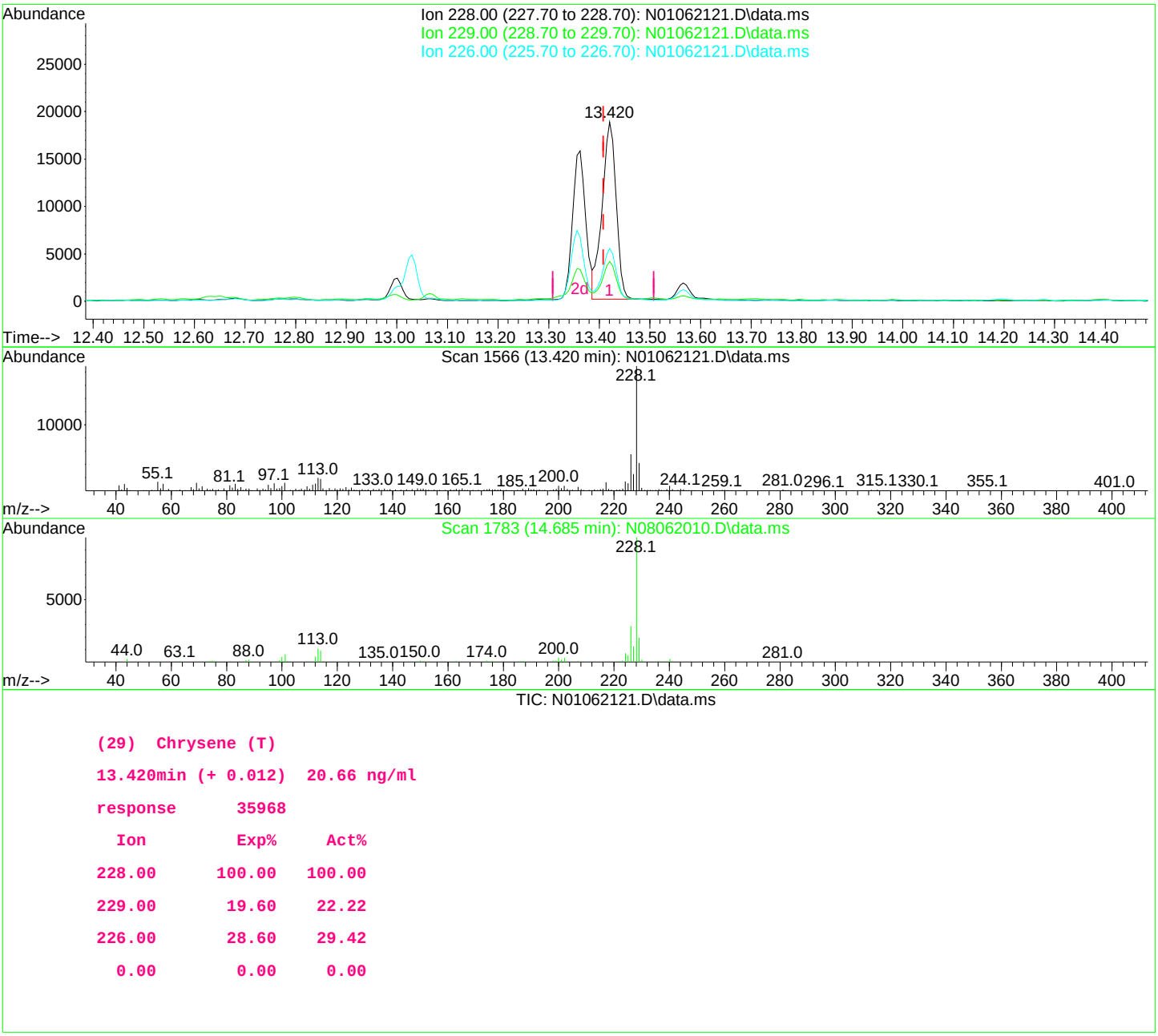
response 28447

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.40	21.20
226.00	26.20	42.56
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062121.D
Acq On : 06 Jan 2021 07:06 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-13
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jan 07 11:41:24 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



(29) Chrysene (T)

13.420min (+ 0.012) 20.66 ng/ml

response 35968

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.60	22.22
226.00	28.60	29.42
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062121.D
Acq On : 06 Jan 2021 07:06 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-13
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jan 07 11:41:24 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

TIC: N01062121.D\data.ms

(31) Benzo(b)fluoranthene (T)

15.723min (+ 0.018) 24.75 ng/ml

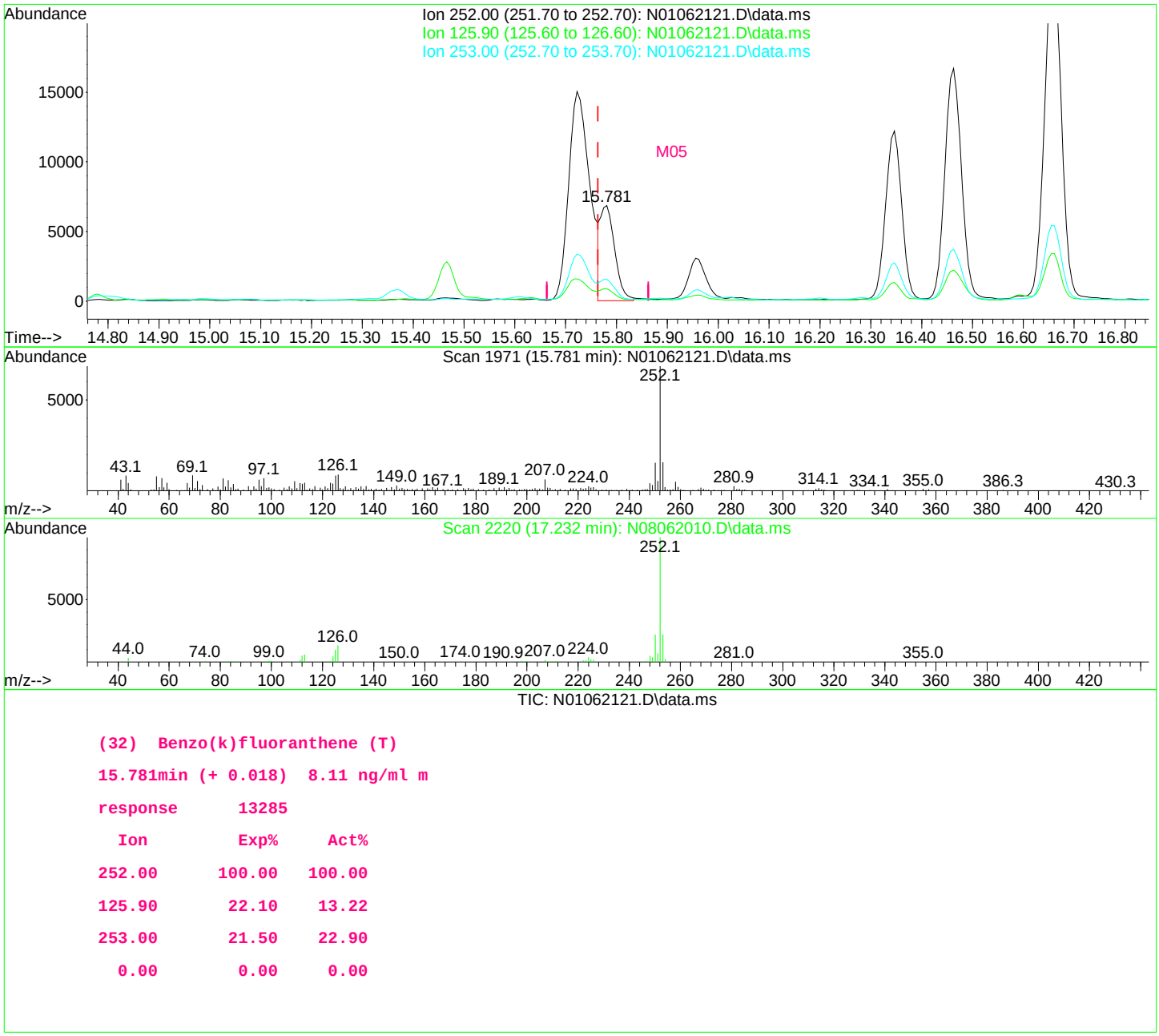
response 42954

Ion	Exp%	Act%
252.00	100.00	100.00
126.00	20.00	10.76
253.00	21.10	22.54
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062121.D
Acq On : 06 Jan 2021 07:06 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-13
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jan 07 11:41:24 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01062121.D\data.ms

(32) Benzo(k)fluoranthene (T)

15.781min (+ 0.018) 8.11 ng/ml m

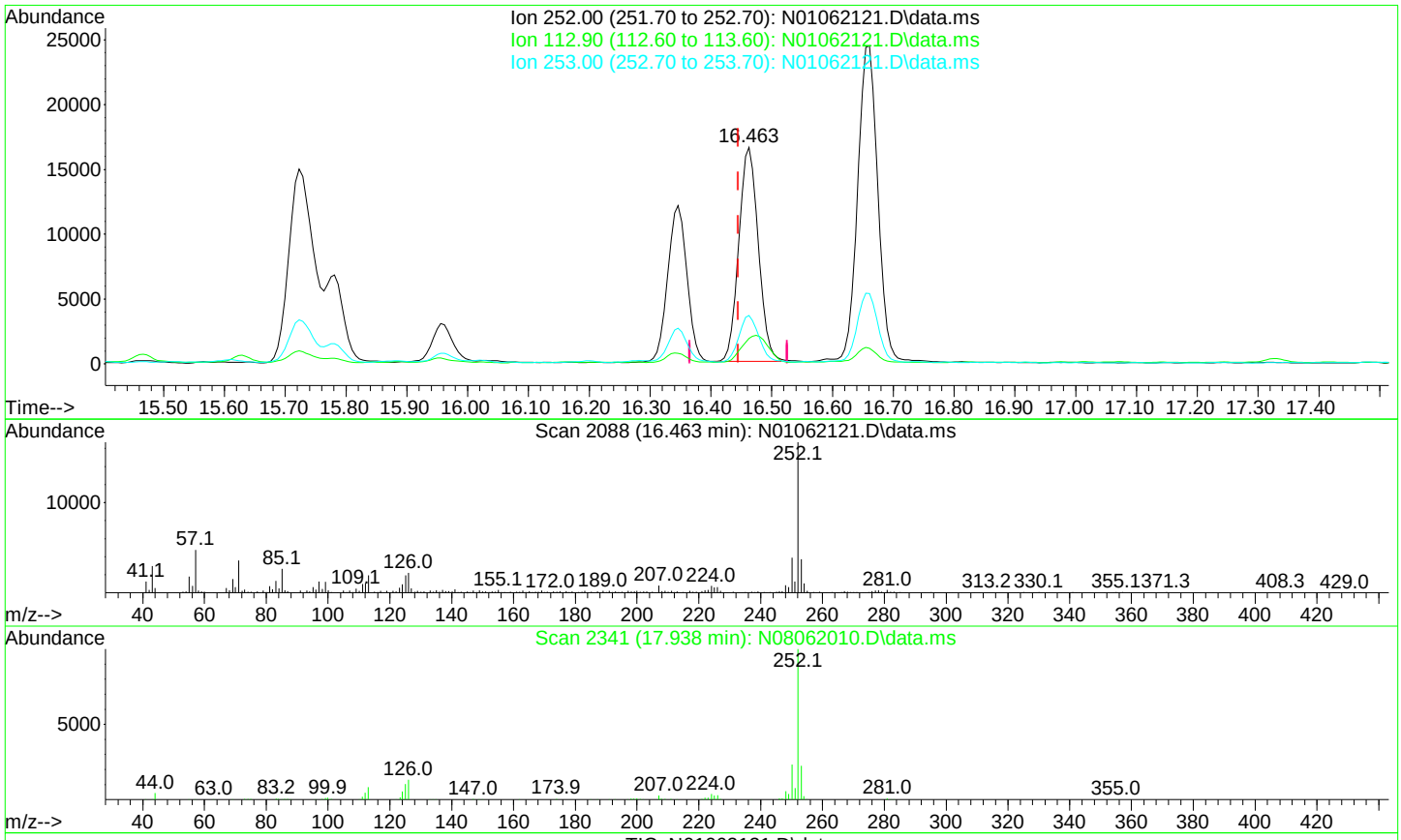
response 13285

Ion	Exp%	Act%
252.00	100.00	100.00
125.90	22.10	13.22
253.00	21.50	22.90
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062121.D
Acq On : 06 Jan 2021 07:06 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-13
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jan 07 11:41:24 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01062121.D\data.ms

(35) Benzo(a)pyrene (T)

16.463min (+ 0.017) 29.52 ng/ml

response 37146

Ion	Exp%	Act%
252.00	100.00	100.00
112.90	12.70	11.65
253.00	21.90	22.28
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062121.D
Acq On : 06 Jan 2021 07:06 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-13
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jan 07 11:41:24 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
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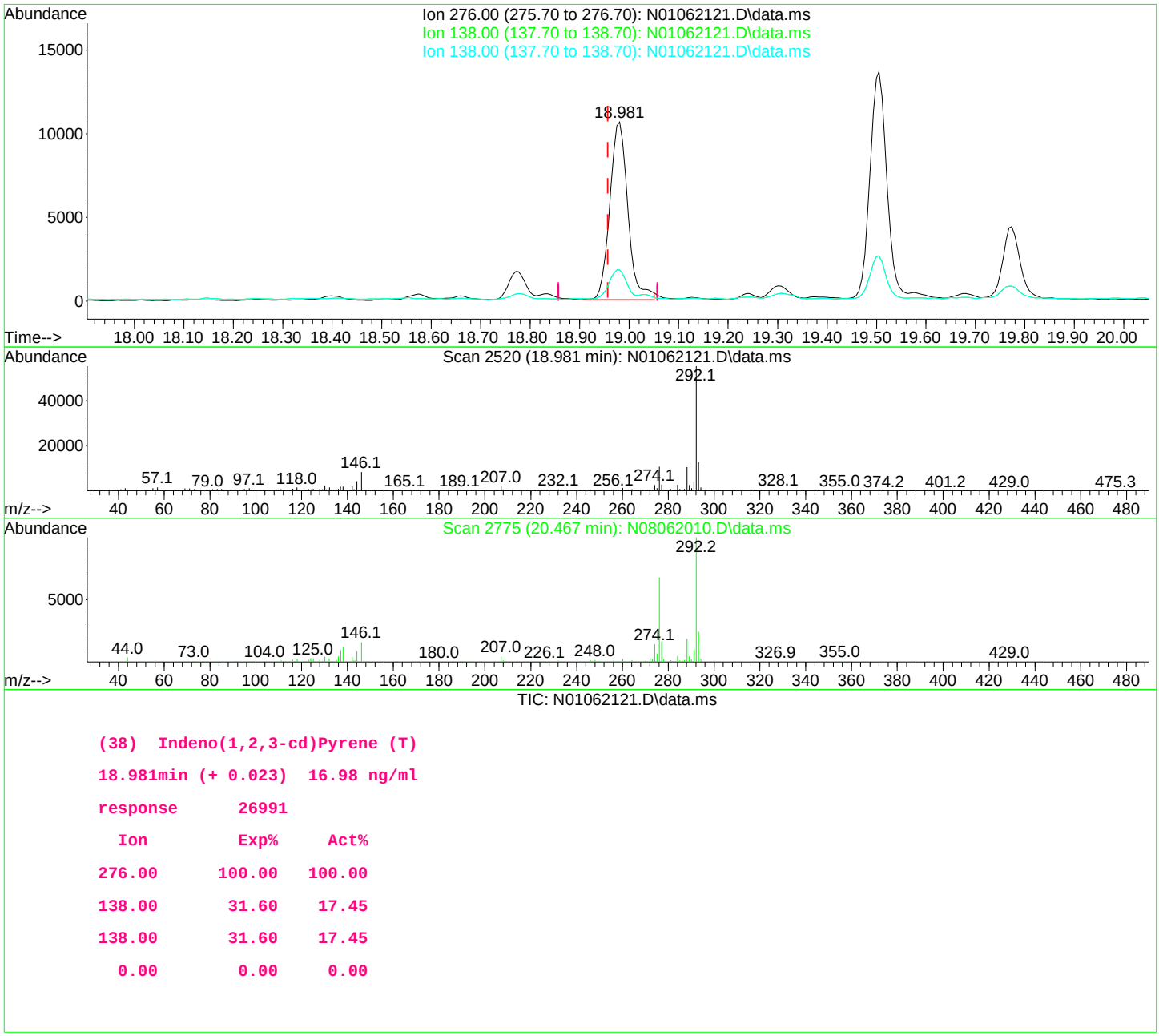


TIC: N01062121.D\data.ms

(38) Indeno(1,2,3-cd)Pyrene (T)

18.981min (+ 0.023) 16.98 ng/ml

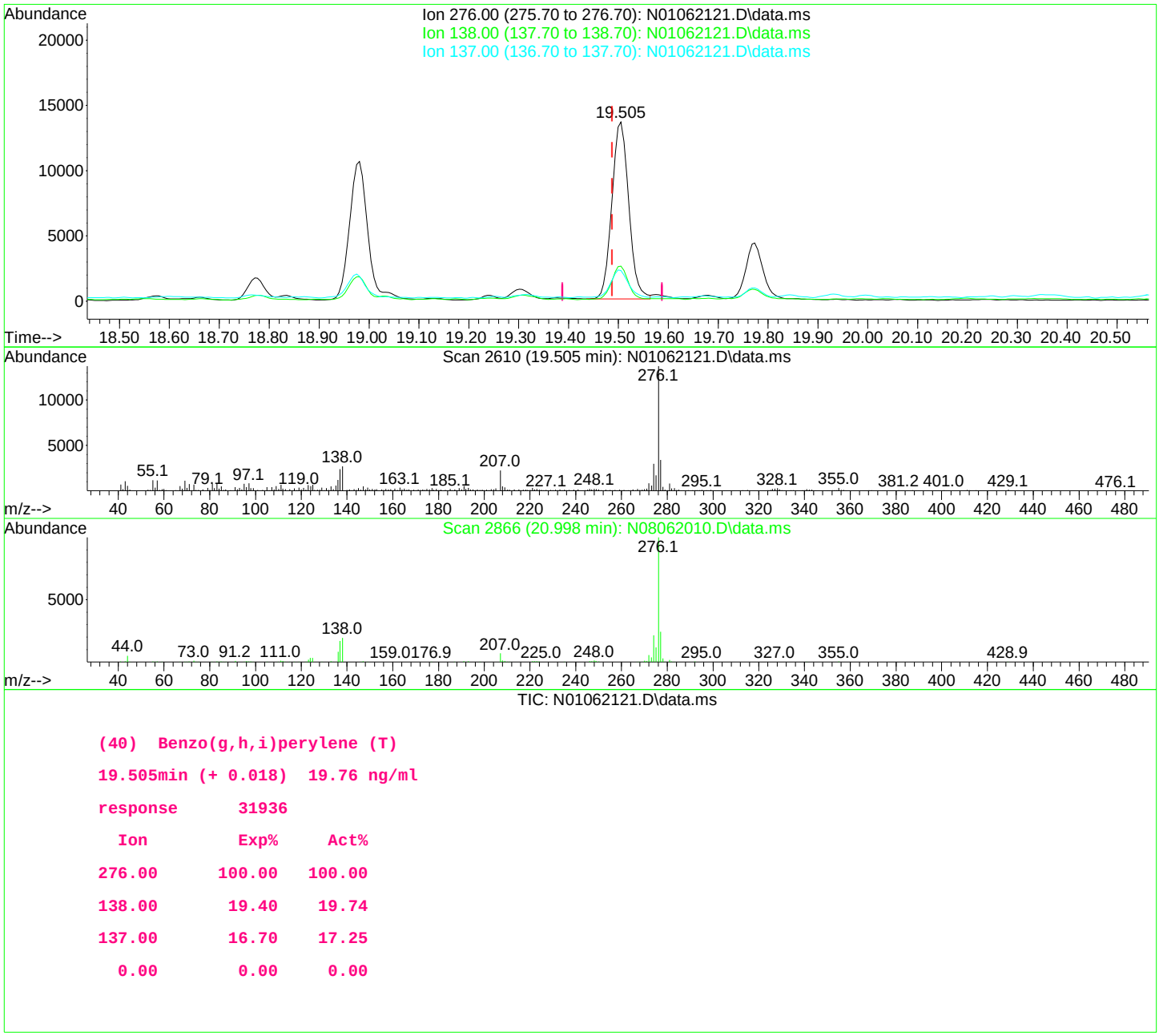
response 26991

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	31.60	17.45
138.00	31.60	17.45
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062121.D
Acq On : 06 Jan 2021 07:06 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-13
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jan 07 11:41:24 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01062121.D\data.ms

(40) Benzo(g,h,i)perylene (T)

19.505min (+ 0.018) 19.76 ng/ml

response 31936

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	19.40	19.74
137.00	16.70	17.25
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

AMS 1/7/21

Data Path : U:\data\2021-01\1A06048\
Data File : N01062122.D
Acq On : 06 Jan 2021 07:38 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-14
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 15 Sample Multiplier: 1

RR2
M05

Quant Time: Jan 07 11:46:08 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Naphthalene-d8 (ISTD)	7.091	136	169909	100.00	ng/ml		0.00
9) Acenaphthene-d10 (ISTD)	8.828	162	104480	100.00	ng/ml		0.00
16) Phenanthrene-d10 (ISTD)	10.320	188	193720	100.00	ng/ml		0.00
25) Chrysene-d12 (ISTD)	13.380	240	187441	100.00	ng/ml		0.01
30) Perylene-d12 (ISTD)	16.609	264	194474	100.00	ng/ml		0.02
37) Dibenz(a,h)Anthrcene-d...	18.981	292	175729	100.00	ng/ml		0.02
System Monitoring Compounds							
2) Nitrobenzene-d5 (Surr)	6.414	82	33590	70.57	ng/ml		0.00
10) 2-Fluorobiphenyl (Surr)	8.157	172	123006	82.34	ng/ml		0.00
17) 2,4,6-Tribromophenol (...	9.626	330	29718	120.74	ng/ml		0.00
27) Terphenyl-d14 (Surr)	11.946	244	158851	88.14	ng/ml		0.01
Target Compounds							Qvalue
3) Decalin	6.560	138	111	1.10	ng/ml	#	1
4) Naphthalene	7.114	128	57023	32.54	ng/ml		98
5) 2-Methylnaphthalene	7.790	142	12478	9.85	ng/ml		99
6) 1-Methylnaphthalene	7.889	142	6525	5.15	ng/ml		96
7) 1,1'-Biphenyl	8.256	154	6961	4.32	ng/ml		96
8) 2,6-Dimethylnaphthalene	8.420	156	7636	6.46	ng/ml		97
11) Acenaphthylene	8.682	152	14916	8.52	ng/ml		89
12) Acenaphthene	8.857	153	347705	271.72	ng/ml		100
13) Dibenzofuran	9.032	168	6628	4.12	ng/ml		88
14) 1,6,7-Trimethylnaphtha...	9.247	170	12594	10.85	ng/ml		92
15) Fluorene	9.375	166	33121	25.42	ng/ml		94
18) Pentachlorophenol (PCP)	10.162	266	261	11.66	ng/ml		84
19) Dibenzothiopene	10.209	184	150376	79.94	ng/ml		94
20) Phenanthrene	10.343	178	1272460	606.91	ng/ml	RR2	99
21) Anthracene	10.390	178	25224	14.69	ng/ml		94
22) Carbazole	10.570	167	2053	1.61	ng/ml		66
23) 1-Methylphenanthrene	10.961	192	24387	16.18	ng/ml		98
24) Fluoranthene	11.544	202	342320	157.40	ng/ml		94
26) Pyrene	11.771	202	634229	252.70	ng/ml		99
28) Benz(a)anthracene	13.362	228	76755	40.96	ng/ml		84
29) Chrysene	13.426	228	87883	45.39	ng/ml		98
31) Benzo(b)fluoranthene	15.729	252	76560	38.82	ng/ml		88
32) Benzo(k)fluoranthene	15.787	252	20691m	11.12	ng/ml	M05	

Quantitation Report (QT Reviewed)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062122.D
Acq On : 06 Jan 2021 07:38 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-14
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jan 07 11:46:08 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

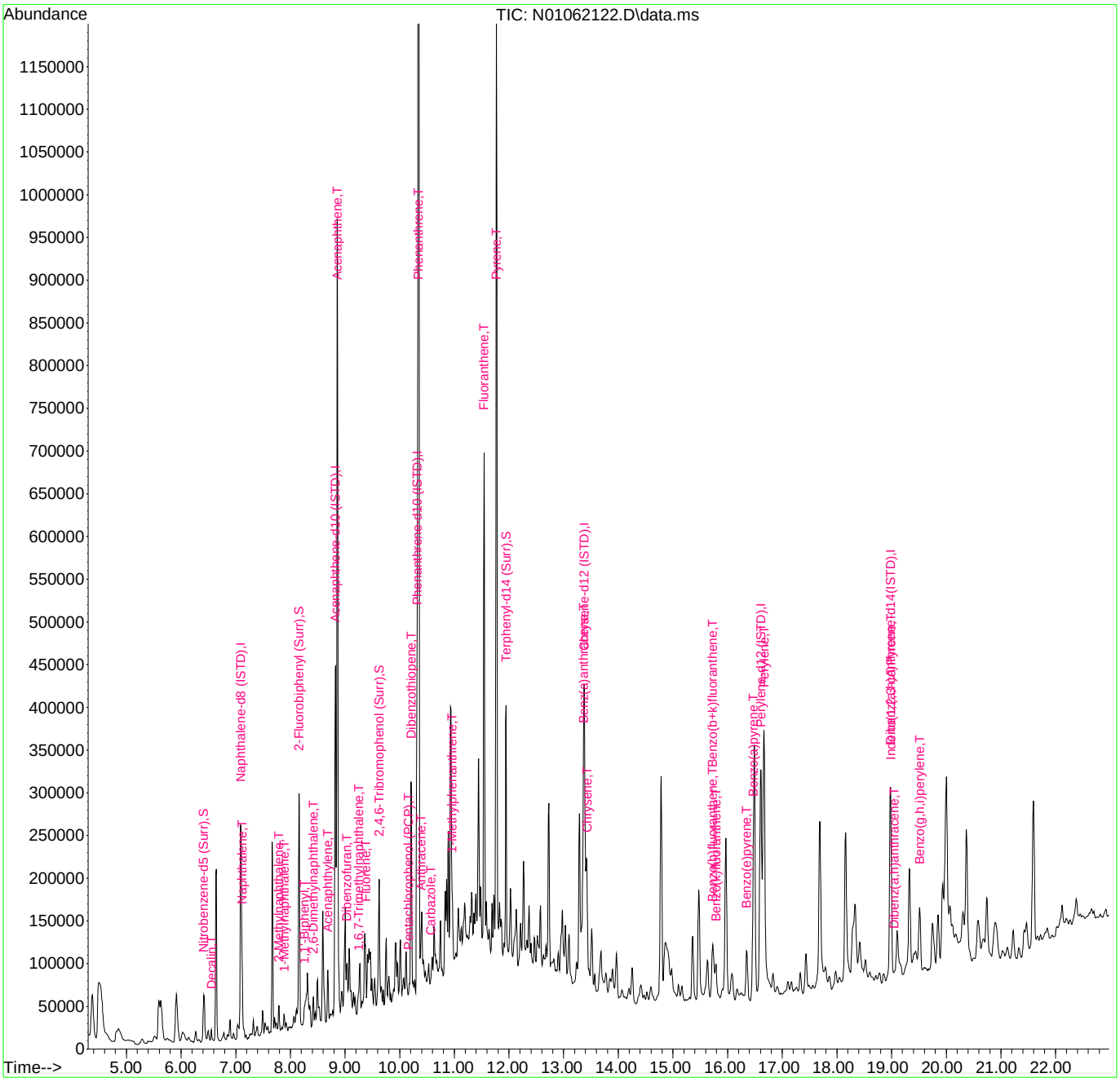
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	15.729	252	98079	48.87	ng/ml	87
34) Benzo(e)pyrene	16.346	252	48377	24.67	ng/ml	97
35) Benzo(a)pyrene	16.469	252	69966	48.94	ng/ml	96
36) Perylene	16.667	252	261490	123.18	ng/ml	99
38) Indeno(1,2,3-cd)Pyrene	18.987	276	48647	25.72	ng/ml	75
39) Dibenz(a,h)anthracene	19.045	278	5506	2.96	ng/ml	95
40) Benzo(g,h,i)perylene	19.511	276	62612	32.56	ng/ml	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062122.D
Acq On : 06 Jan 2021 07:38 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-14
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jan 07 11:46:08 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062122.D
Acq On : 06 Jan 2021 07:38 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-14
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jan 07 11:44:46 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.091	136	169909	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	8.828	162	104480	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.320	188	193720	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	13.380	240	187441	100.00	ng/ml	0.01
30) Perylene-d12 (ISTD)	16.609	264	194474	100.00	ng/ml	0.02
37) Dibenz(a,h)Anthrcene-d...	18.981	292	175729	100.00	ng/ml	0.02
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	6.414	82	33590	70.57	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.157	172	123006	82.34	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	9.626	330	29718	120.74	ng/ml	0.00
27) Terphenyl-d14 (Surr)	11.946	244	158851	88.14	ng/ml	0.01
Target Compounds						Qvalue
3) Decalin	6.560	138	111	1.10	ng/ml#	1
4) Naphthalene	7.114	128	57023	32.54	ng/ml	98
5) 2-Methylnaphthalene	7.790	142	12478	9.85	ng/ml	99
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11) Acenaphthylene	8.682	152	14916	8.52	ng/ml	89
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26) Pyrene	11.771	202	634229	252.70	ng/ml	99
28) Benz(a)anthracene	13.362	228	76755	40.96	ng/ml	84
29) Chrysene	13.426	228	87883	45.39	ng/ml	98
31) Benzo(b)fluoranthene	15.729	252	76560	38.82	ng/ml	88
32) Benzo(k)fluoranthene	15.729	252	92966	49.97	ng/ml	87

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062122.D
Acq On : 06 Jan 2021 07:38 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-14
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jan 07 11:44:46 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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34) Benzo(e)pyrene	16.346	252	48377	24.67	ng/ml	97
35) Benzo(a)pyrene	16.469	252	69966	48.94	ng/ml	96
36) Perylene	16.667	252	261490	123.18	ng/ml	99
38) Indeno(1,2,3-cd)Pyrene	18.987	276	48647	25.72	ng/ml	75
39) Dibenz(a,h)anthracene	19.045	278	5506	2.96	ng/ml	95
40) Benzo(g,h,i)perylene	19.511	276	62612	32.56	ng/ml	98

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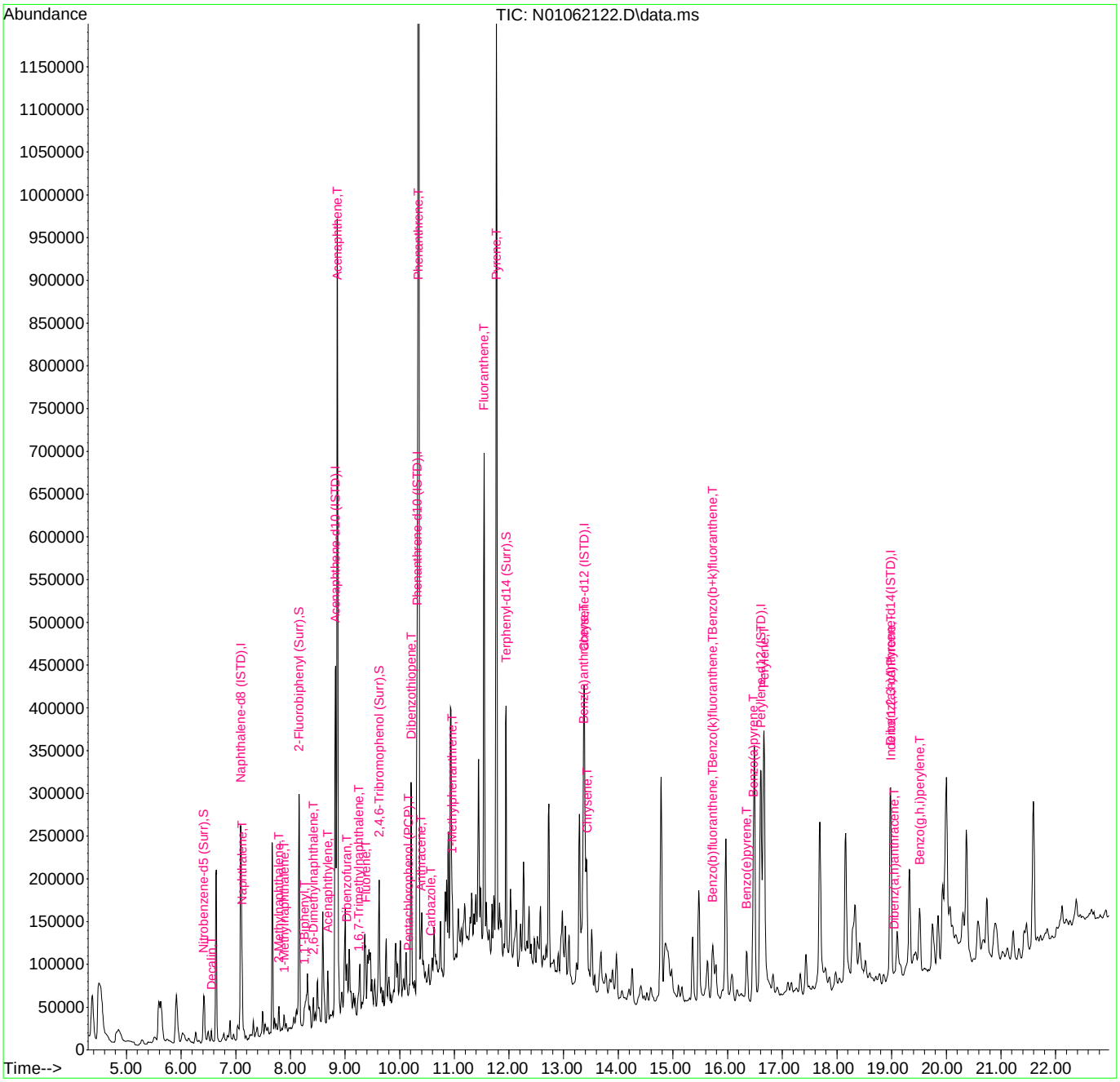
Data Path : U:\data\2021-01\1A06048\
Data File : N01062122.D
Acq On : 06 Jan 2021 07:38 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-14
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 15 Sample Multiplier: 1

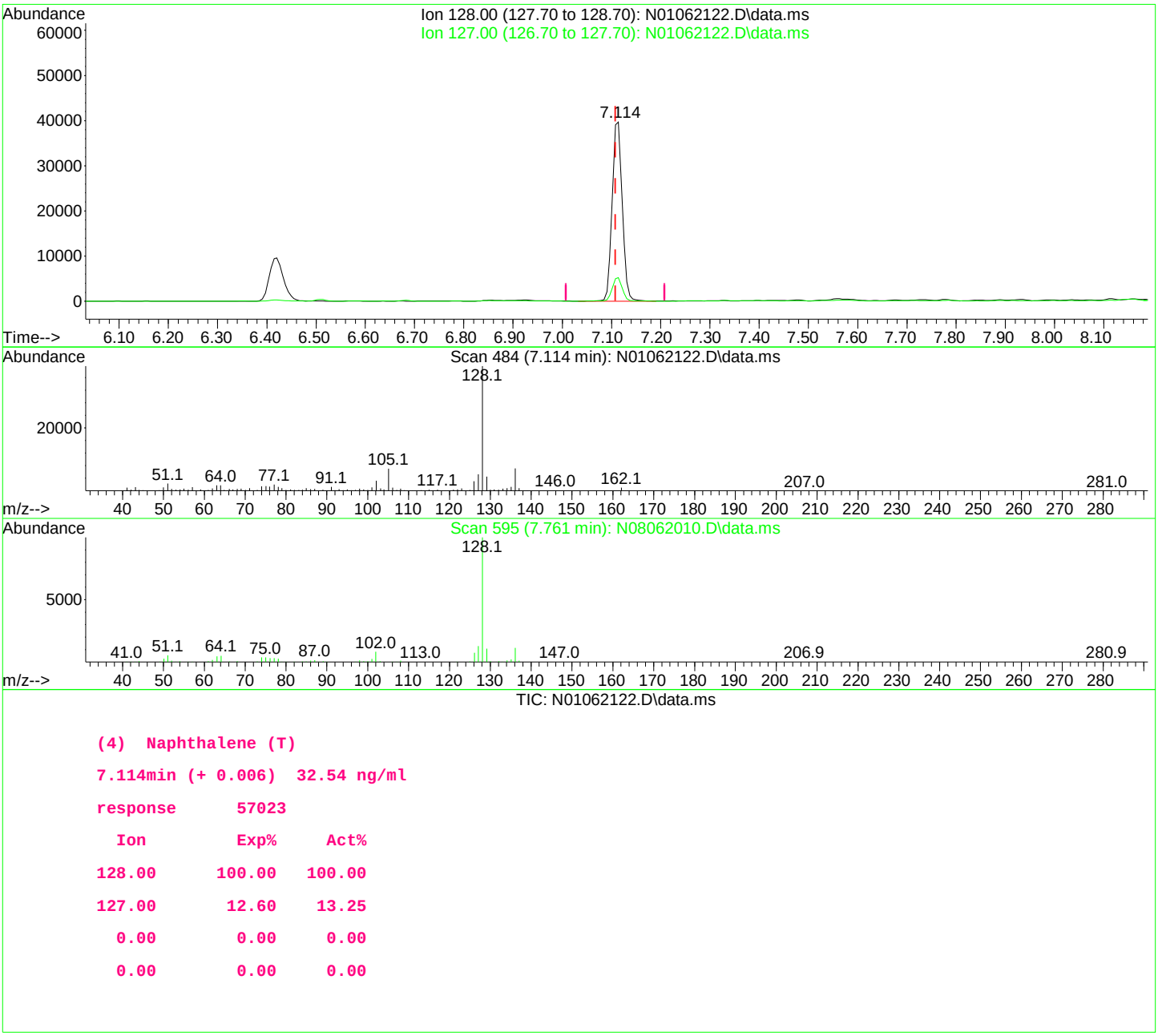
Quant Time: Jan 07 11:44:46 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062122.D
Acq On : 06 Jan 2021 07:38 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-14
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jan 07 11:44:46 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01062122.D\data.ms

(4) Naphthalene (T)

7.114min (+ 0.006) 32.54 ng/ml

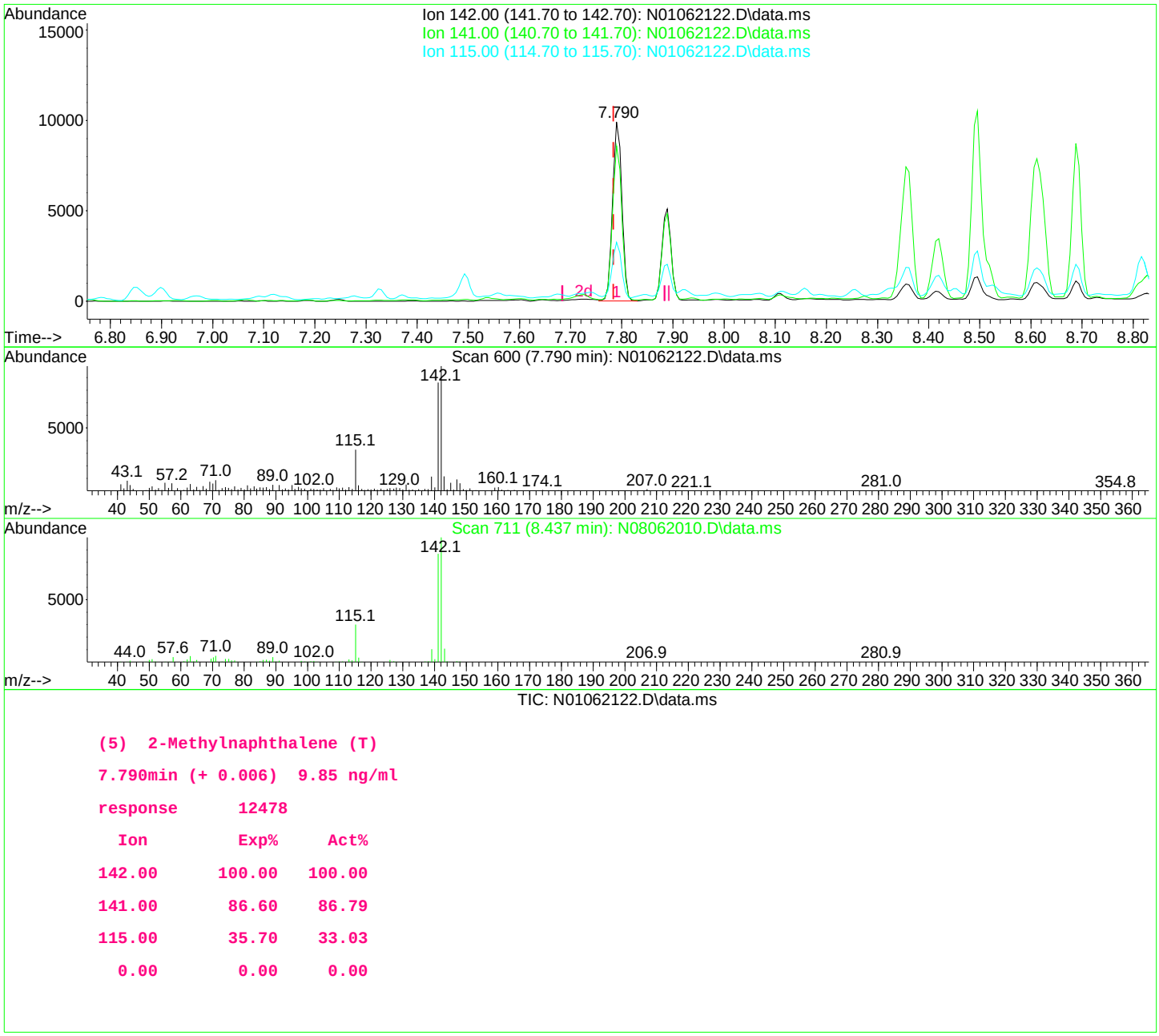
response 57023

Ion	Exp%	Act%
128.00	100.00	100.00
127.00	12.60	13.25
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062122.D
Acq On : 06 Jan 2021 07:38 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-14
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jan 07 11:44:46 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01062122.D\data.ms

(5) 2-Methylnaphthalene (T)

7.790min (+ 0.006) 9.85 ng/ml

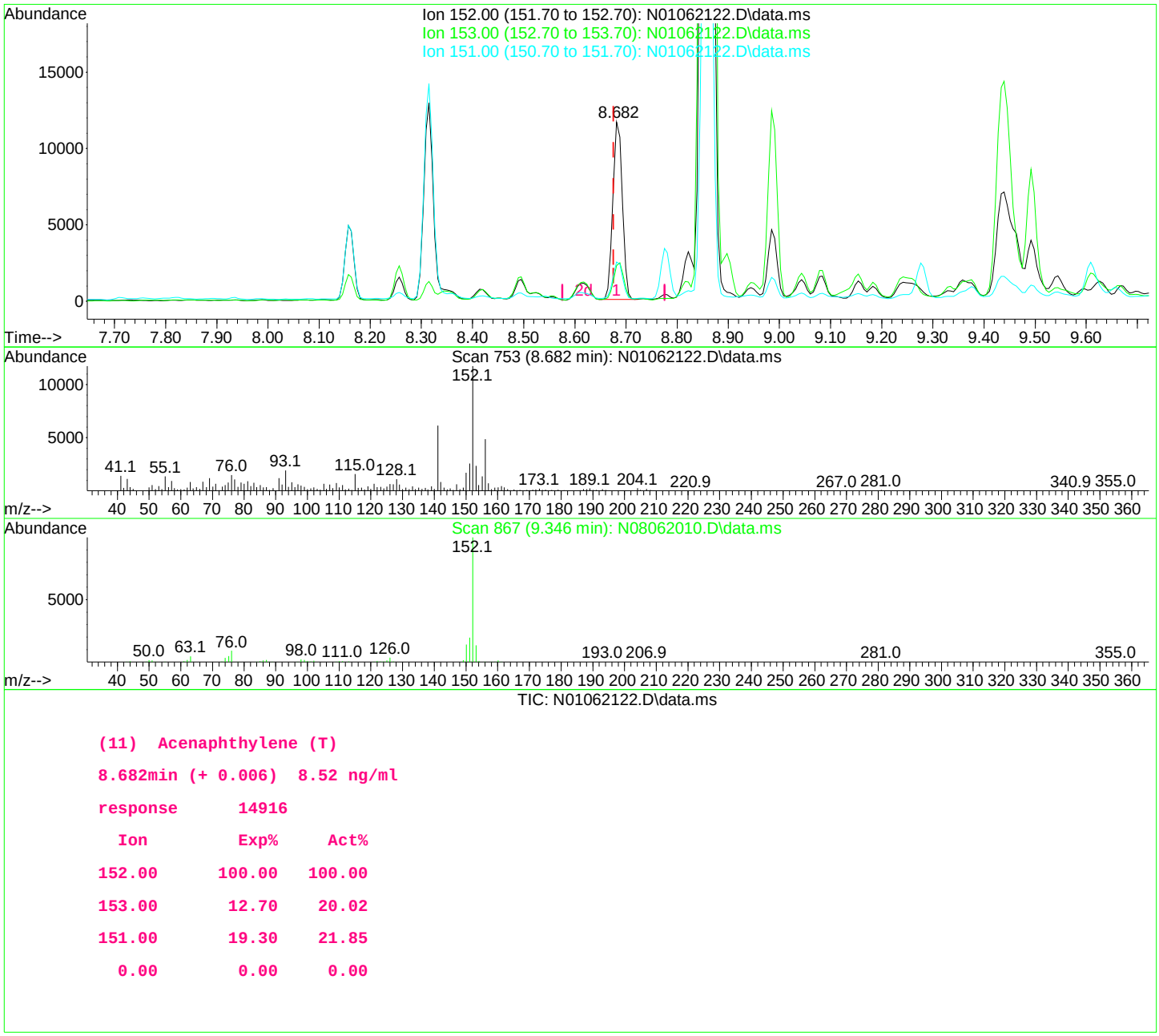
response 12478

Ion	Exp%	Act%
142.00	100.00	100.00
141.00	86.60	86.79
115.00	35.70	33.03
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062122.D
Acq On : 06 Jan 2021 07:38 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-14
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jan 07 11:44:46 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01062122.D\data.ms

(11) Acenaphthylene (T)

8.682min (+ 0.006) 8.52 ng/ml

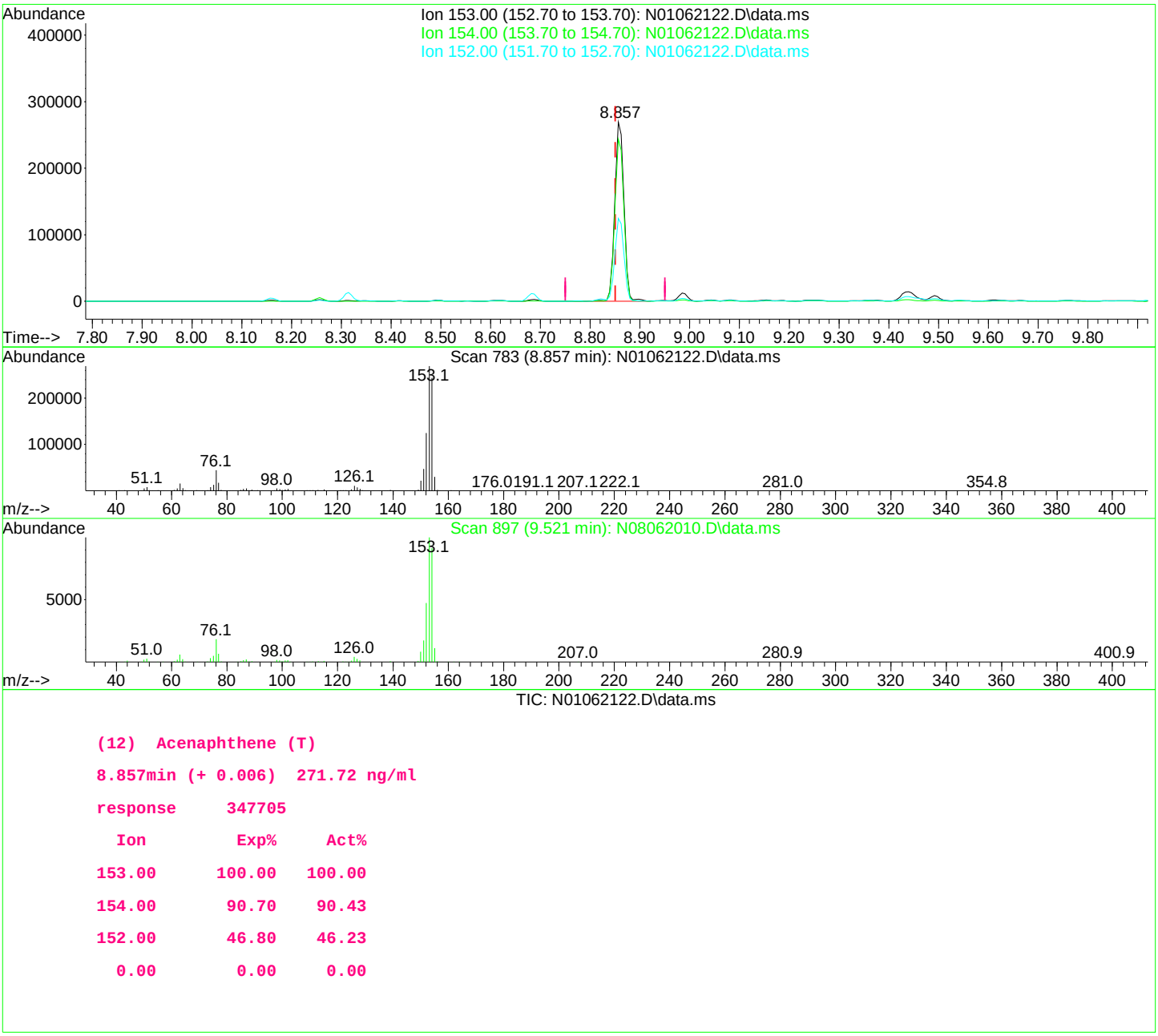
response 14916

Ion	Exp%	Act%
152.00	100.00	100.00
153.00	12.70	20.02
151.00	19.30	21.85
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062122.D
Acq On : 06 Jan 2021 07:38 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-14
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jan 07 11:44:46 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01062122.D\data.ms

(12) Acenaphthene (T)

8.857min (+ 0.006) 271.72 ng/ml

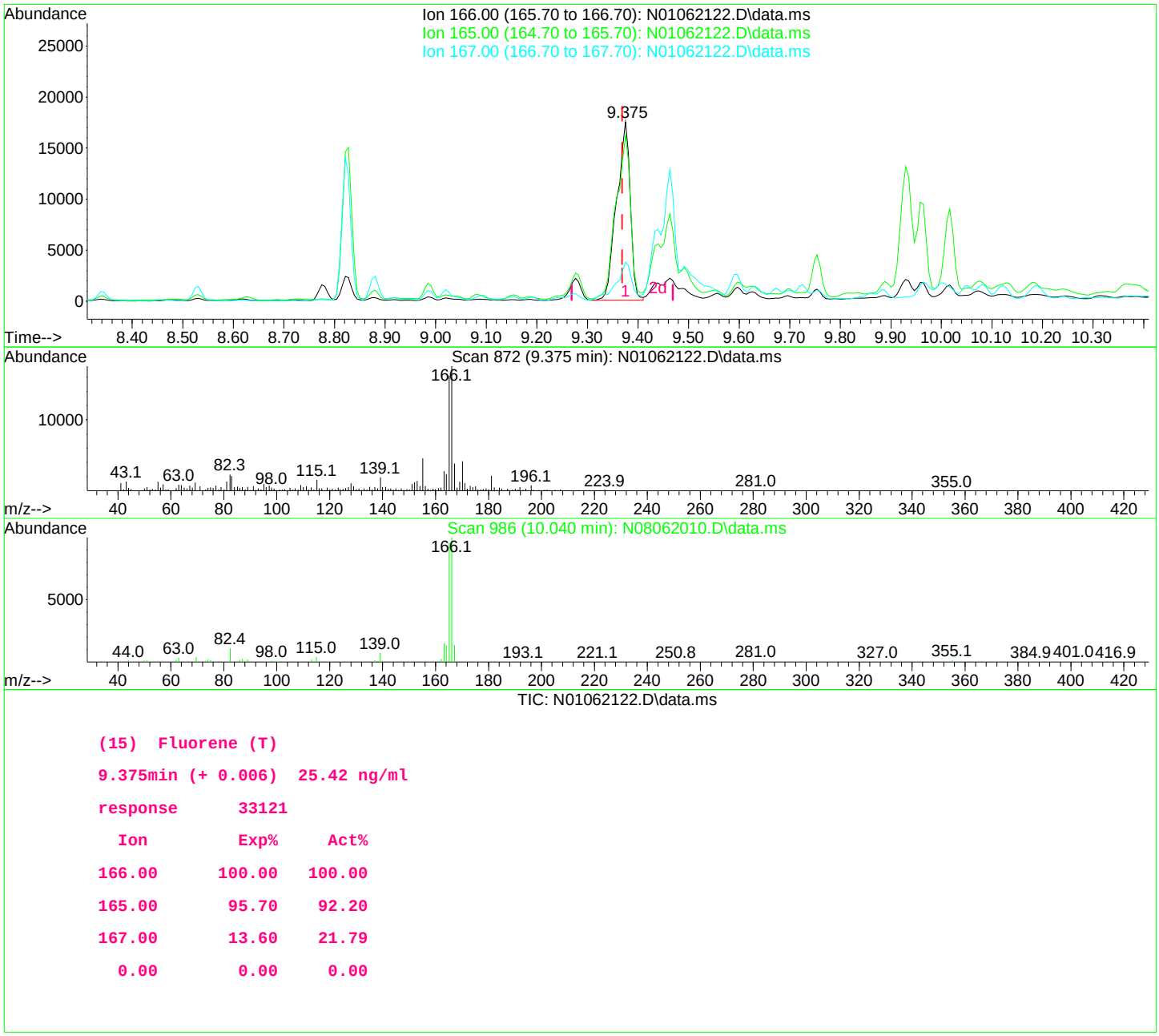
response 347705

Ion	Exp%	Act%
153.00	100.00	100.00
154.00	90.70	90.43
152.00	46.80	46.23
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062122.D
Acq On : 06 Jan 2021 07:38 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-14
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jan 07 11:44:46 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01062122.D\data.ms

(15) Fluorene (T)

9.375min (+ 0.006) 25.42 ng/ml

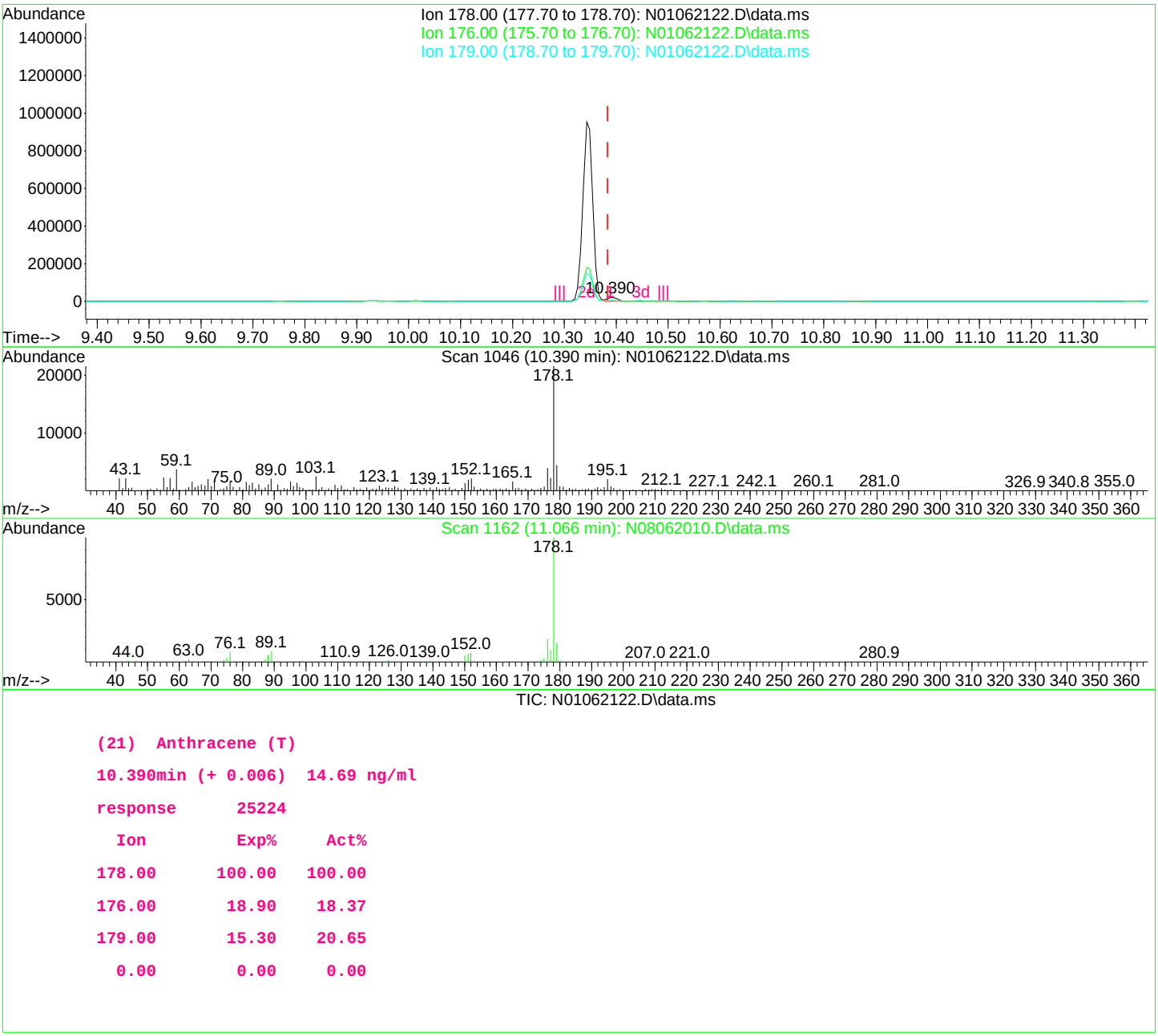
response 33121

Ion	Exp%	Act%
166.00	100.00	100.00
165.00	95.70	92.20
167.00	13.60	21.79
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062122.D
Acq On : 06 Jan 2021 07:38 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-14
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jan 07 11:44:46 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01062122.D\data.ms

(21) Anthracene (T)

10.390min (+ 0.006) 14.69 ng/ml

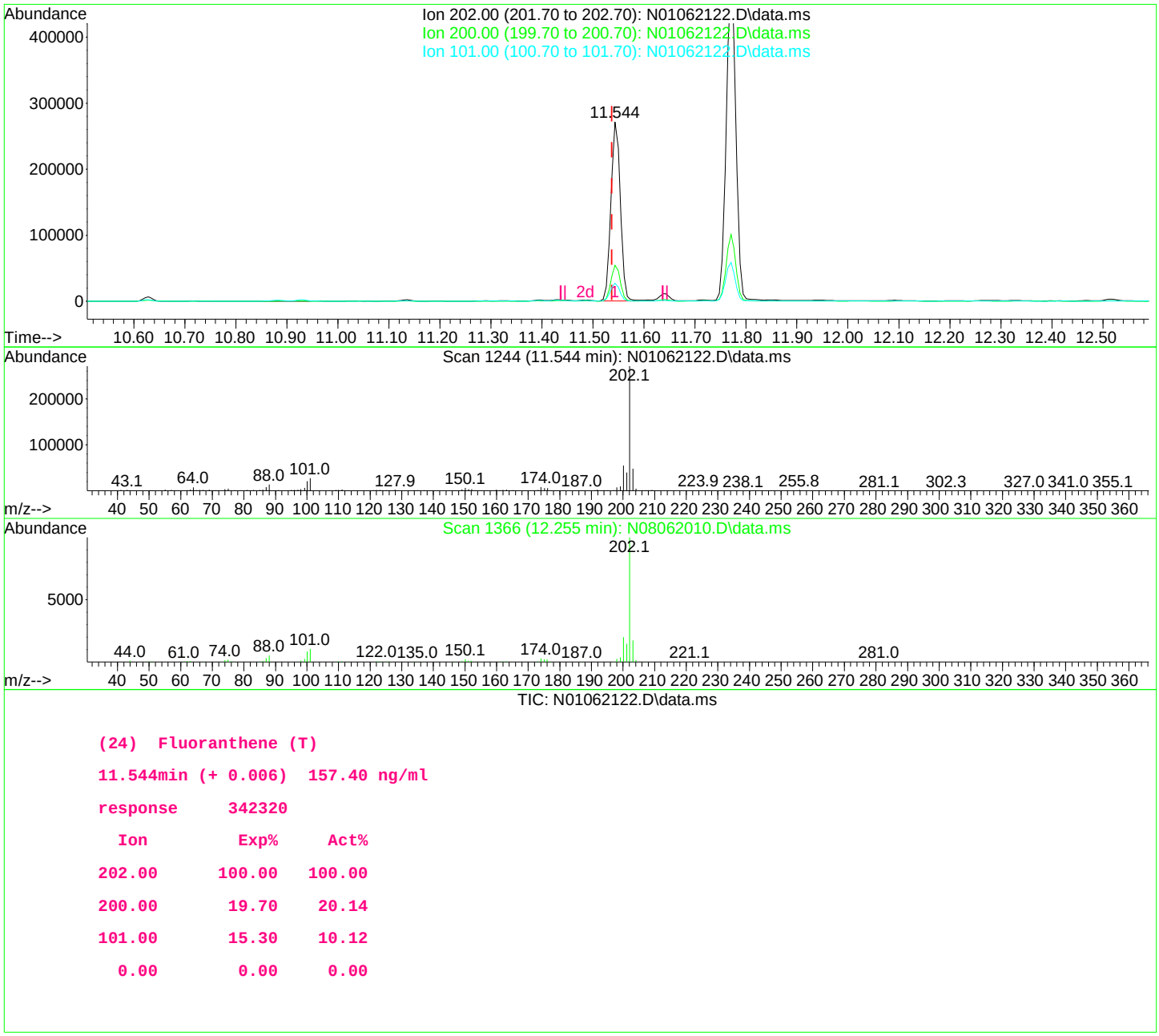
response 25224

Ion	Exp%	Act%
178.00	100.00	100.00
176.00	18.90	18.37
179.00	15.30	20.65
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062122.D
Acq On : 06 Jan 2021 07:38 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-14
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jan 07 11:44:46 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01062122.D\data.ms

(24) Fluoranthene (T)

11.544min (+ 0.006) 157.40 ng/ml

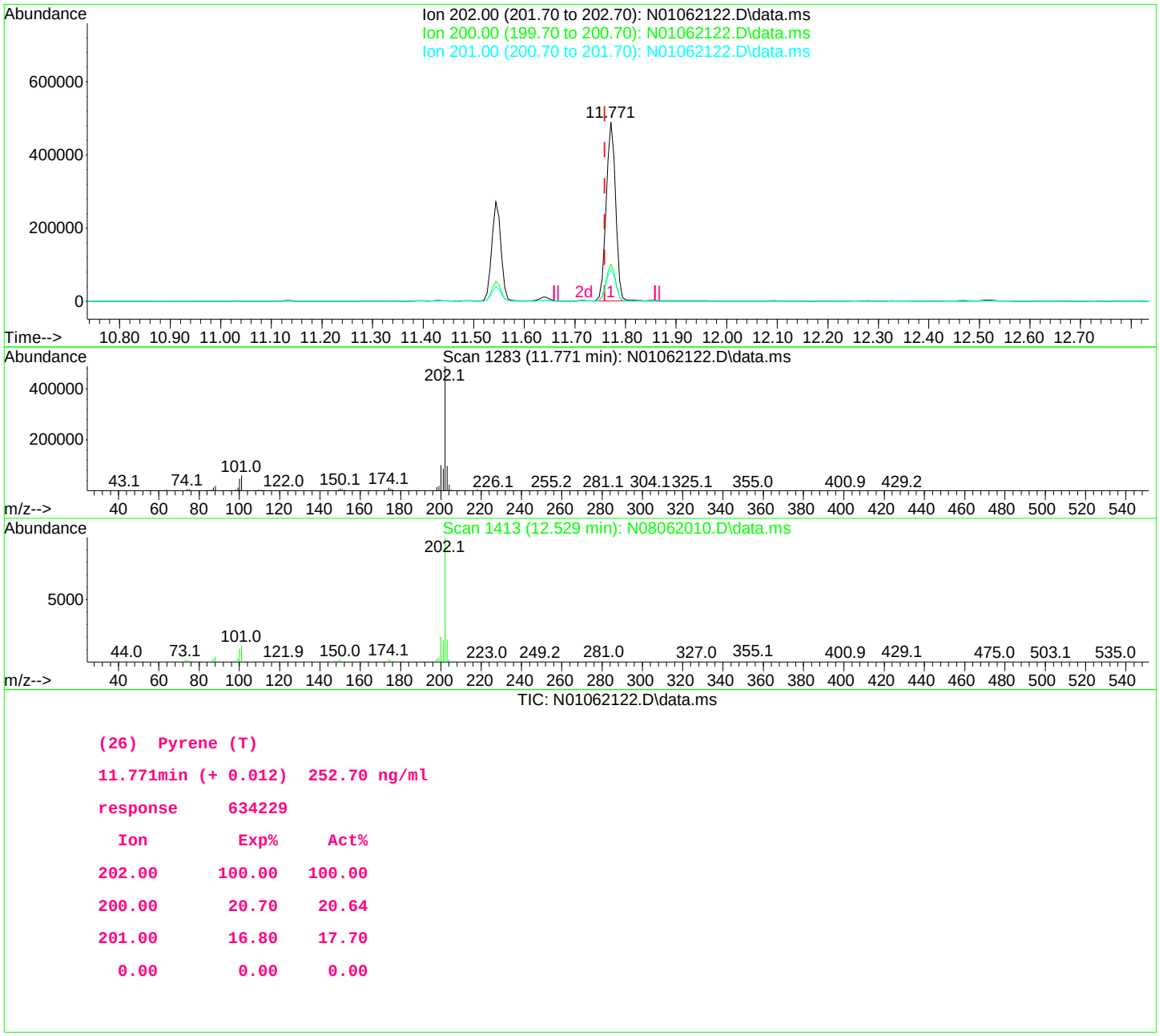
response 342320

Ion	Exp%	Act%
202.00	100.00	100.00
200.00	19.70	20.14
101.00	15.30	10.12
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062122.D
Acq On : 06 Jan 2021 07:38 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-14
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jan 07 11:44:46 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01062122.D\data.ms

(26) Pyrene (T)

11.771min (+ 0.012) 252.70 ng/ml

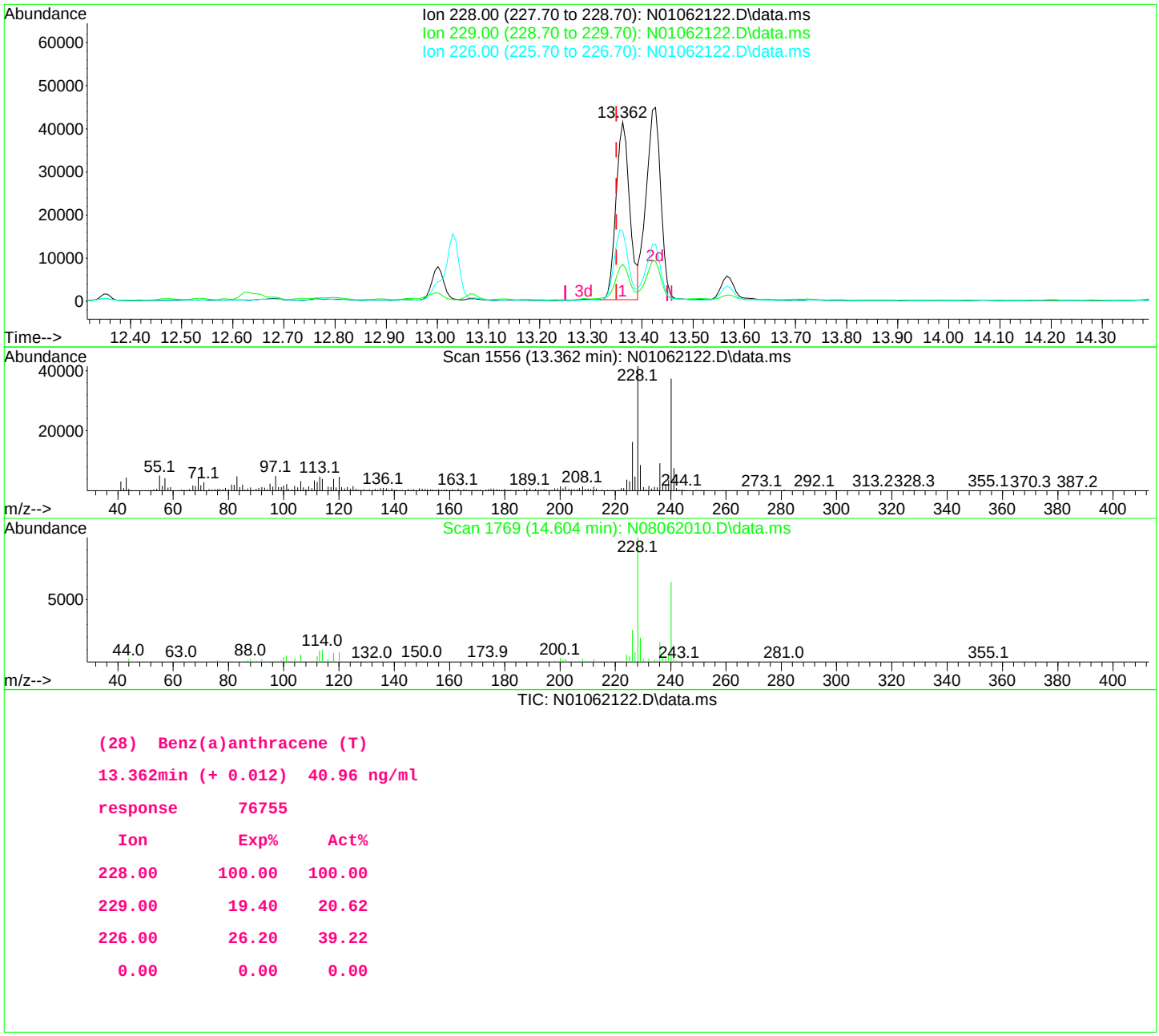
response 634229

Ion	Exp%	Act%
202.00	100.00	100.00
200.00	20.70	20.64
201.00	16.80	17.70
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062122.D
Acq On : 06 Jan 2021 07:38 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-14
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jan 07 11:44:46 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01062122.D\data.ms

(28) Benz(a)anthracene (T)

13.362min (+ 0.012) 40.96 ng/ml

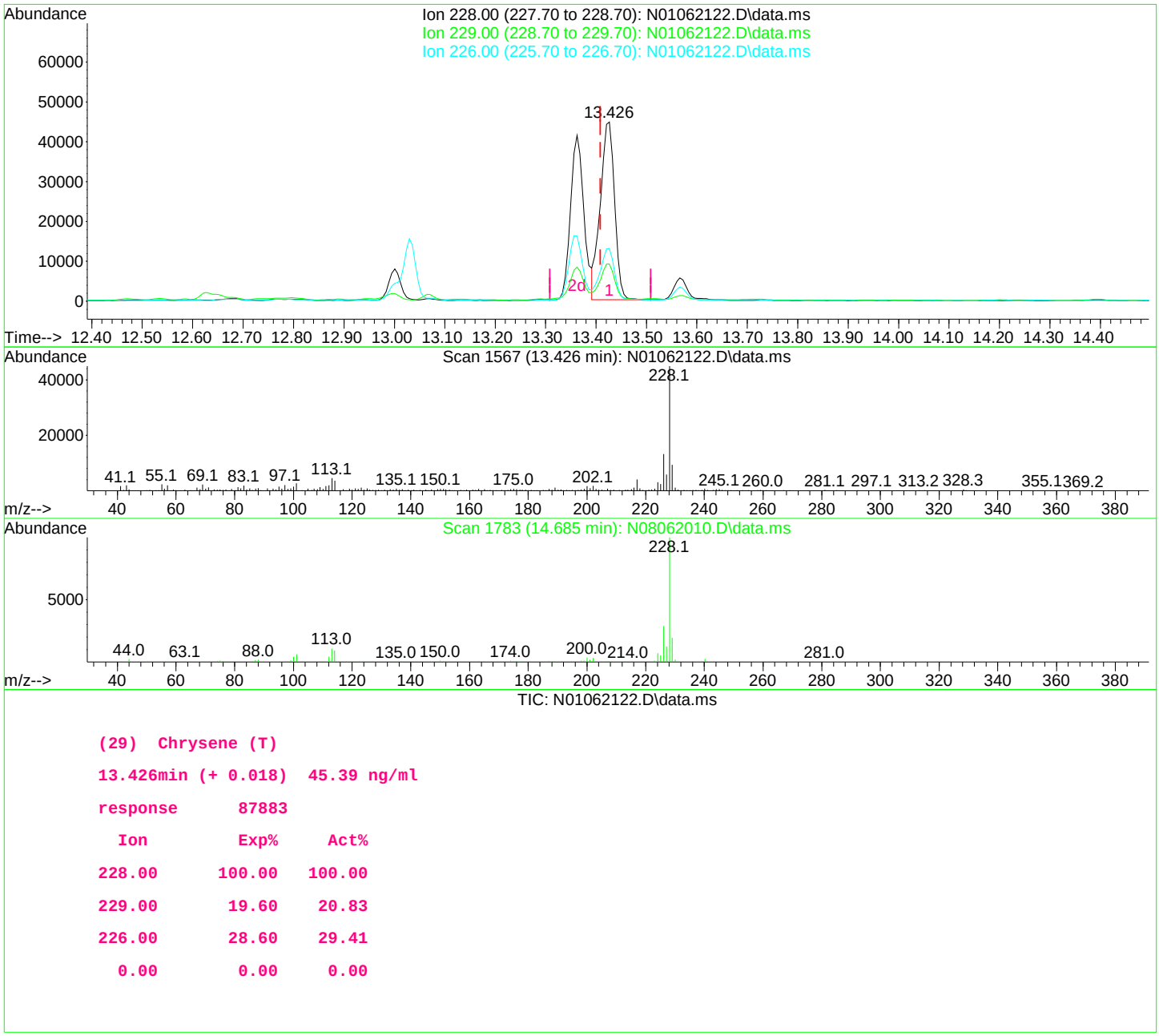
response 76755

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.40	20.62
226.00	26.20	39.22
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062122.D
Acq On : 06 Jan 2021 07:38 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-14
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jan 07 11:44:46 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01062122.D\data.ms

(29) Chrysene (T)

13.426min (+ 0.018) 45.39 ng/ml

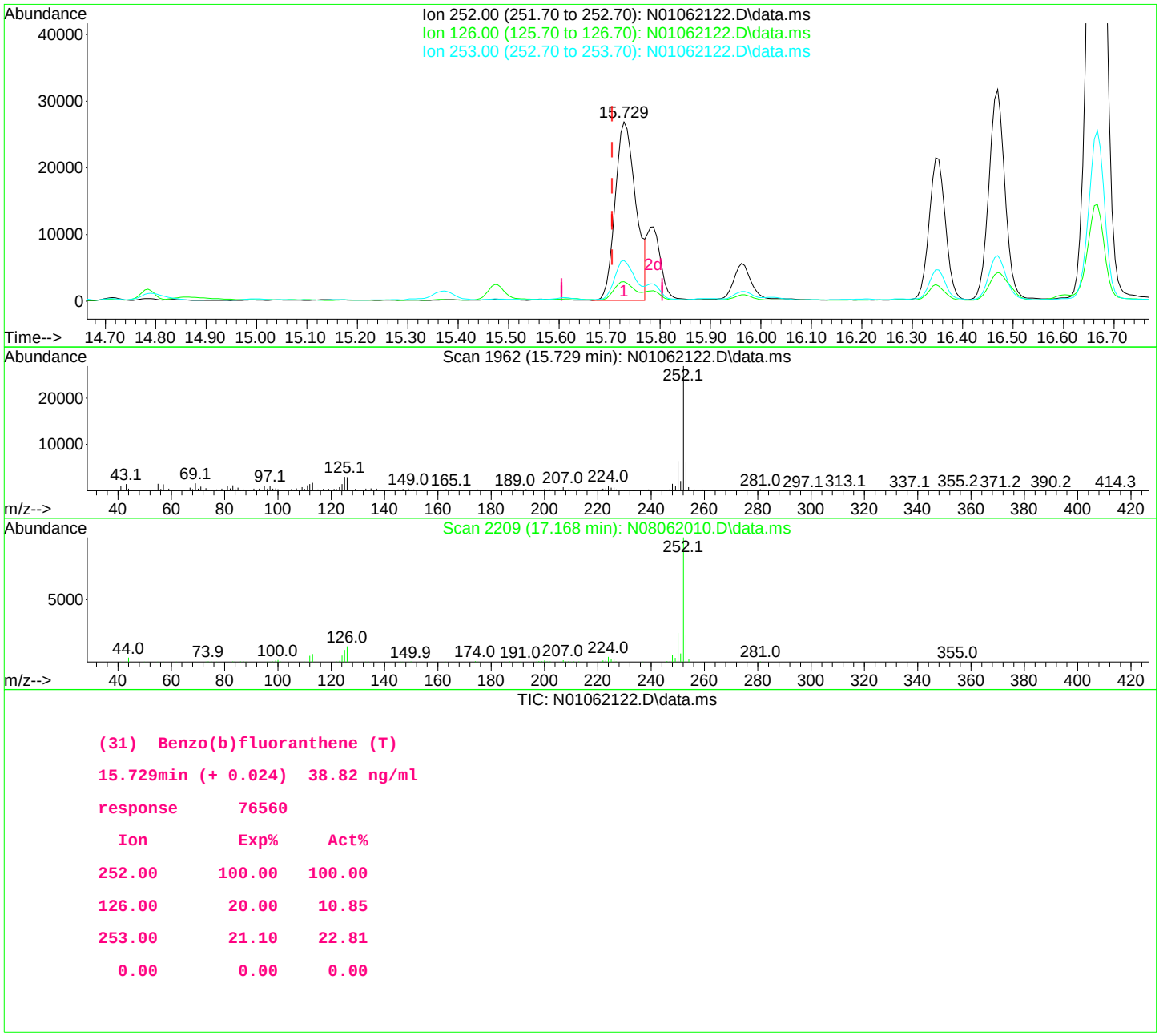
response 87883

Ion	Exp%	Act%
228.00	100.00	100.00
229.00	19.60	20.83
226.00	28.60	29.41
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062122.D
Acq On : 06 Jan 2021 07:38 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-14
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jan 07 11:44:46 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01062122.D\data.ms

(31) Benzo(b)fluoranthene (T)

15.729min (+ 0.024) 38.82 ng/ml

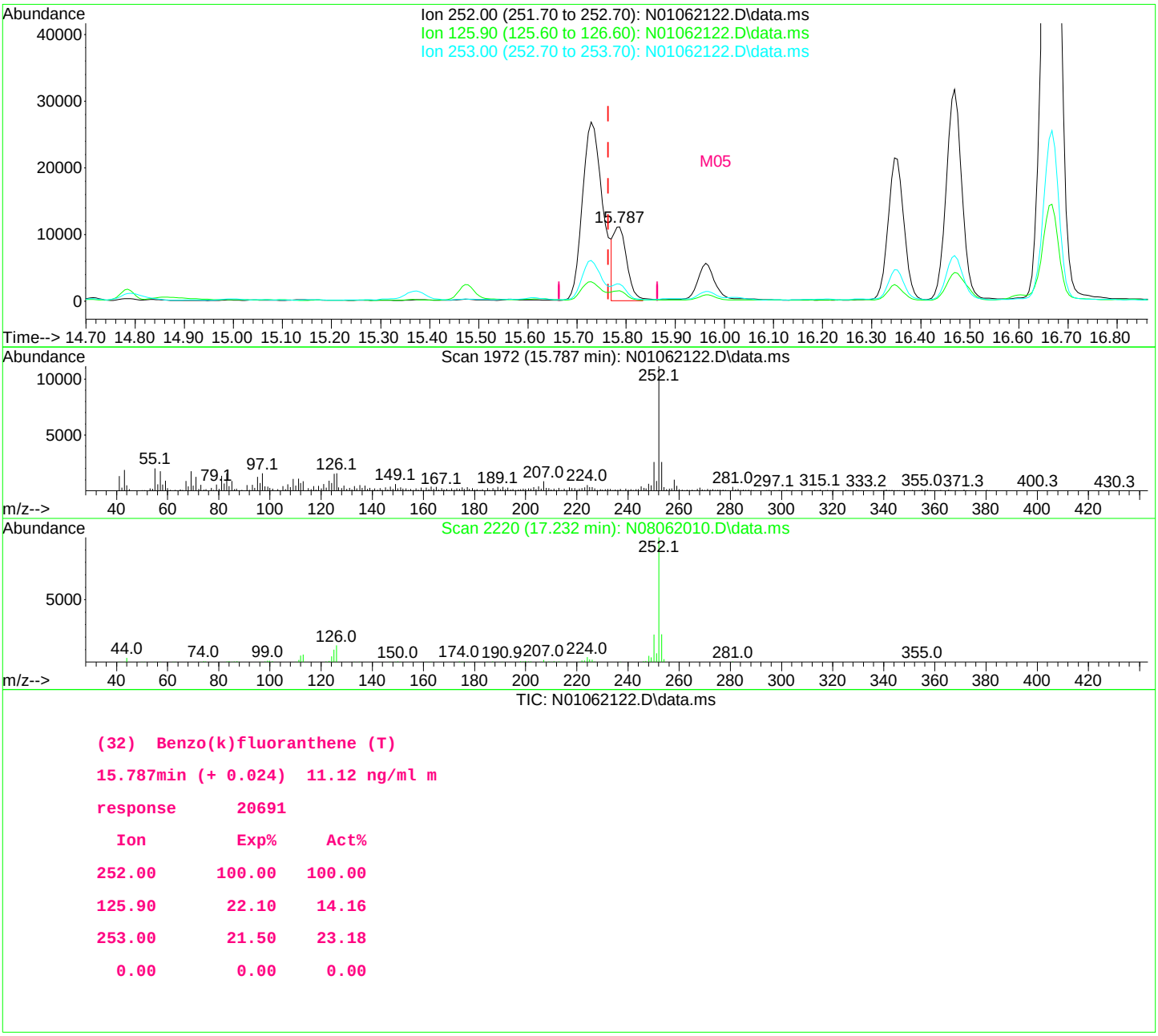
response 76560

Ion	Exp%	Act%
252.00	100.00	100.00
126.00	20.00	10.85
253.00	21.10	22.81
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062122.D
Acq On : 06 Jan 2021 07:38 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-14
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jan 07 11:44:46 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



(32) Benzo(k)fluoranthene (T)

15.787min (+ 0.024) 11.12 ng/ml m

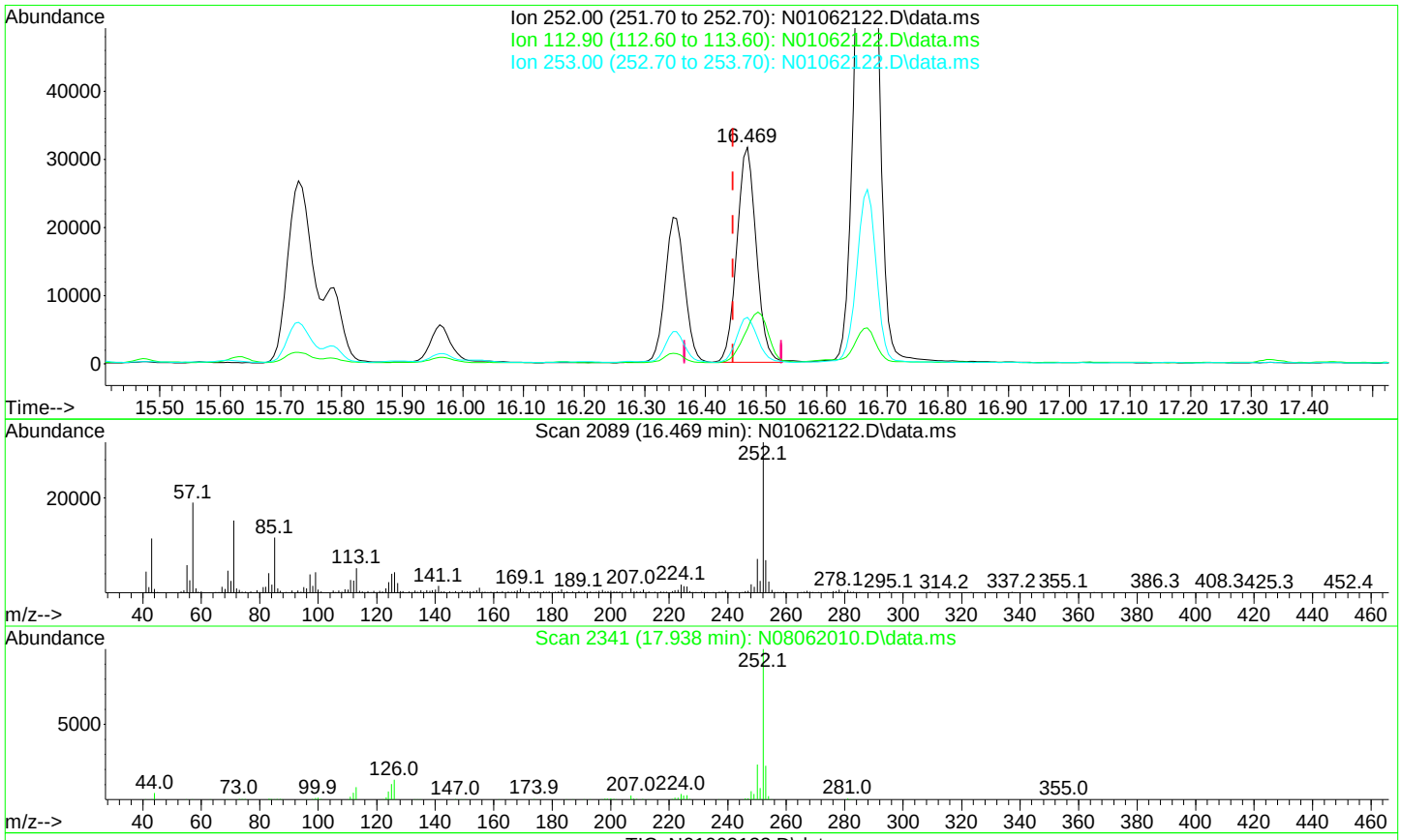
response 20691

Ion	Exp%	Act%
252.00	100.00	100.00
125.90	22.10	14.16
253.00	21.50	23.18
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062122.D
Acq On : 06 Jan 2021 07:38 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-14
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jan 07 11:44:46 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01062122.D\data.ms

(35) Benzo(a)pyrene (T)

16.469min (+ 0.024) 48.94 ng/ml

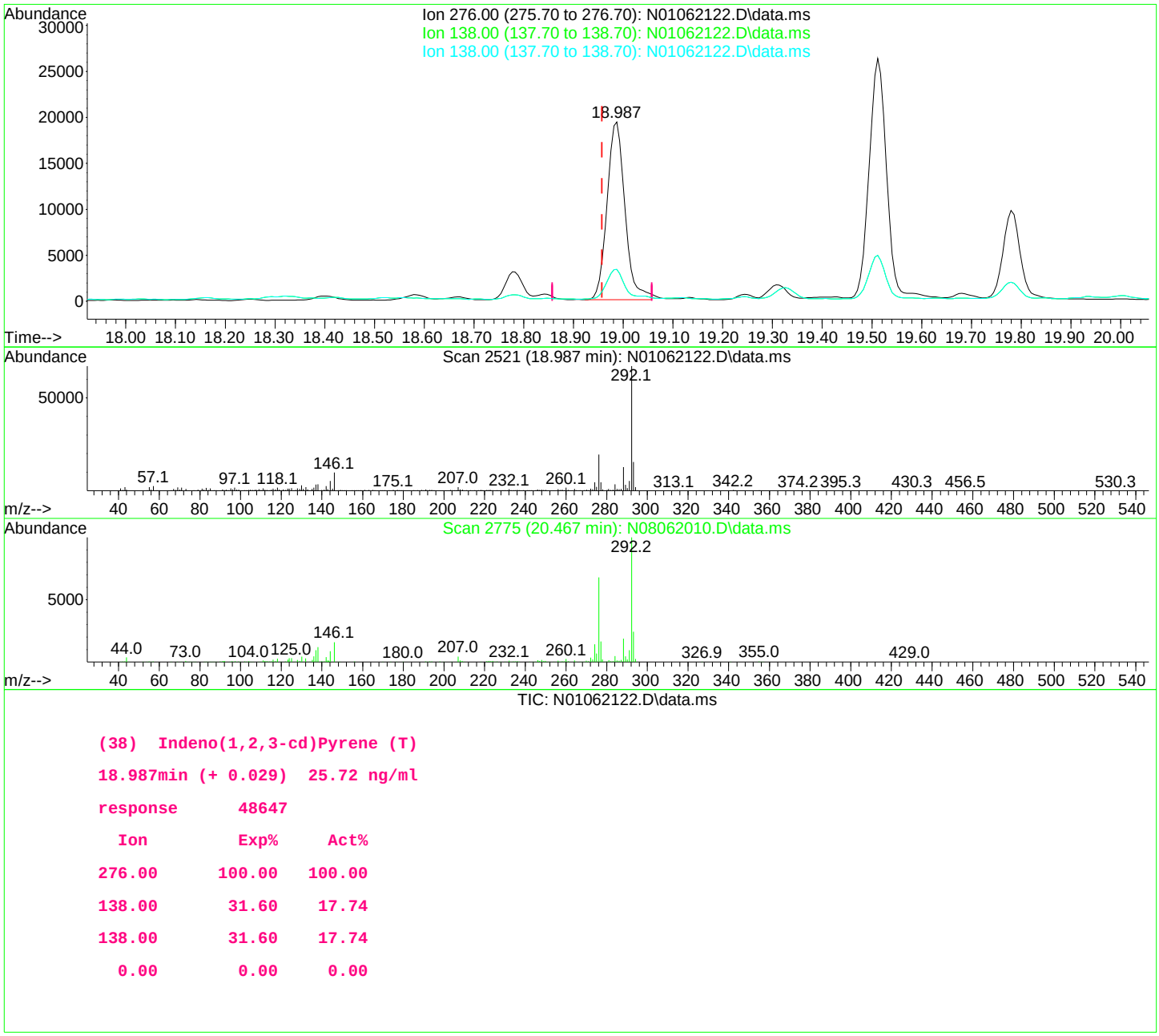
response 69966

Ion	Exp%	Act%
252.00	100.00	100.00
112.90	12.70	16.28
253.00	21.90	21.53
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062122.D
Acq On : 06 Jan 2021 07:38 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-14
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jan 07 11:44:46 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01062122.D\data.ms

(38) Indeno(1,2,3-cd)Pyrene (T)

18.987min (+ 0.029) 25.72 ng/ml

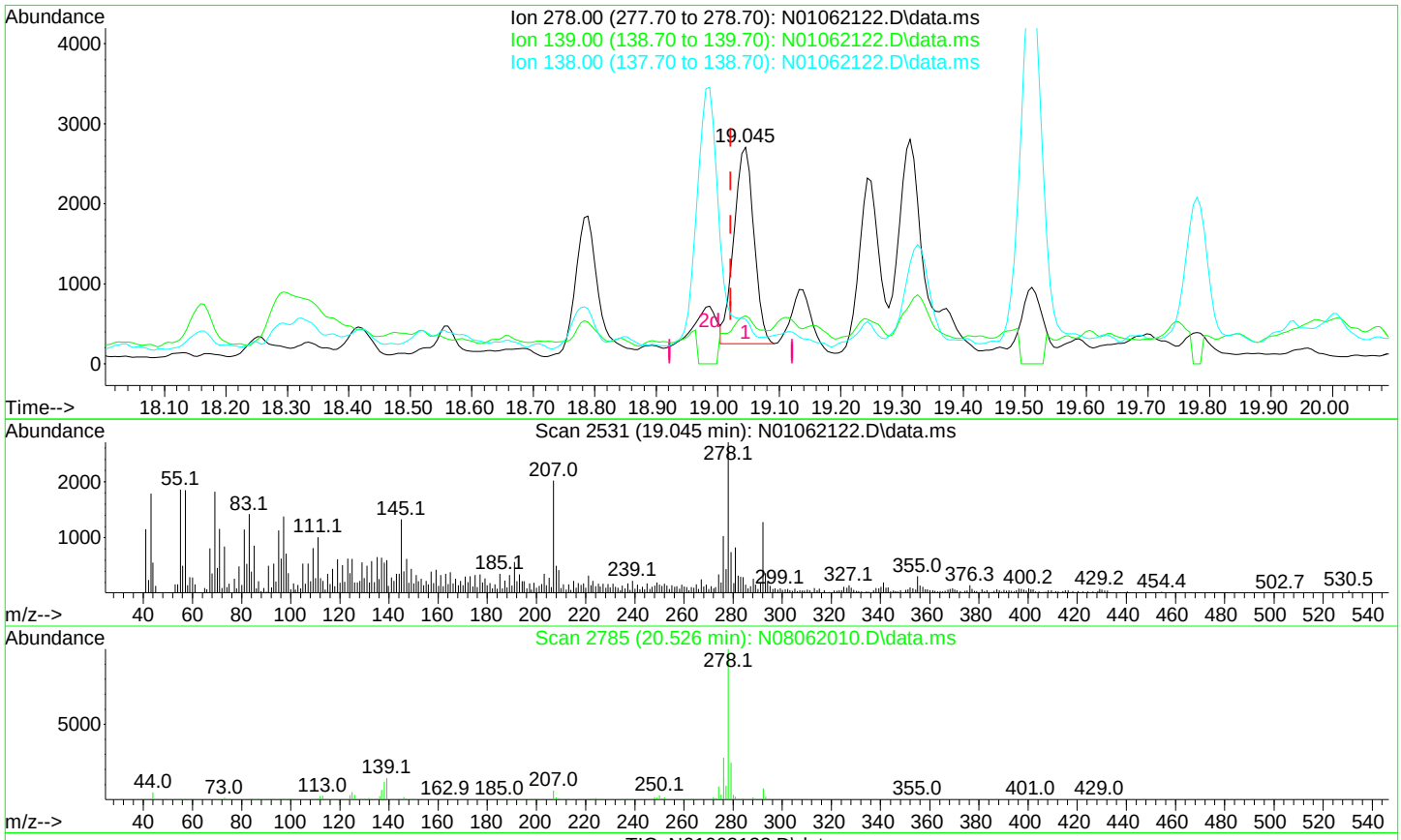
response 48647

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	31.60	17.74
138.00	31.60	17.74
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062122.D
Acq On : 06 Jan 2021 07:38 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-14
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jan 07 11:44:46 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01062122.D\data.ms

(39) Dibenz(a,h)anthracene (T)

19.045min (+ 0.024) 2.96 ng/ml

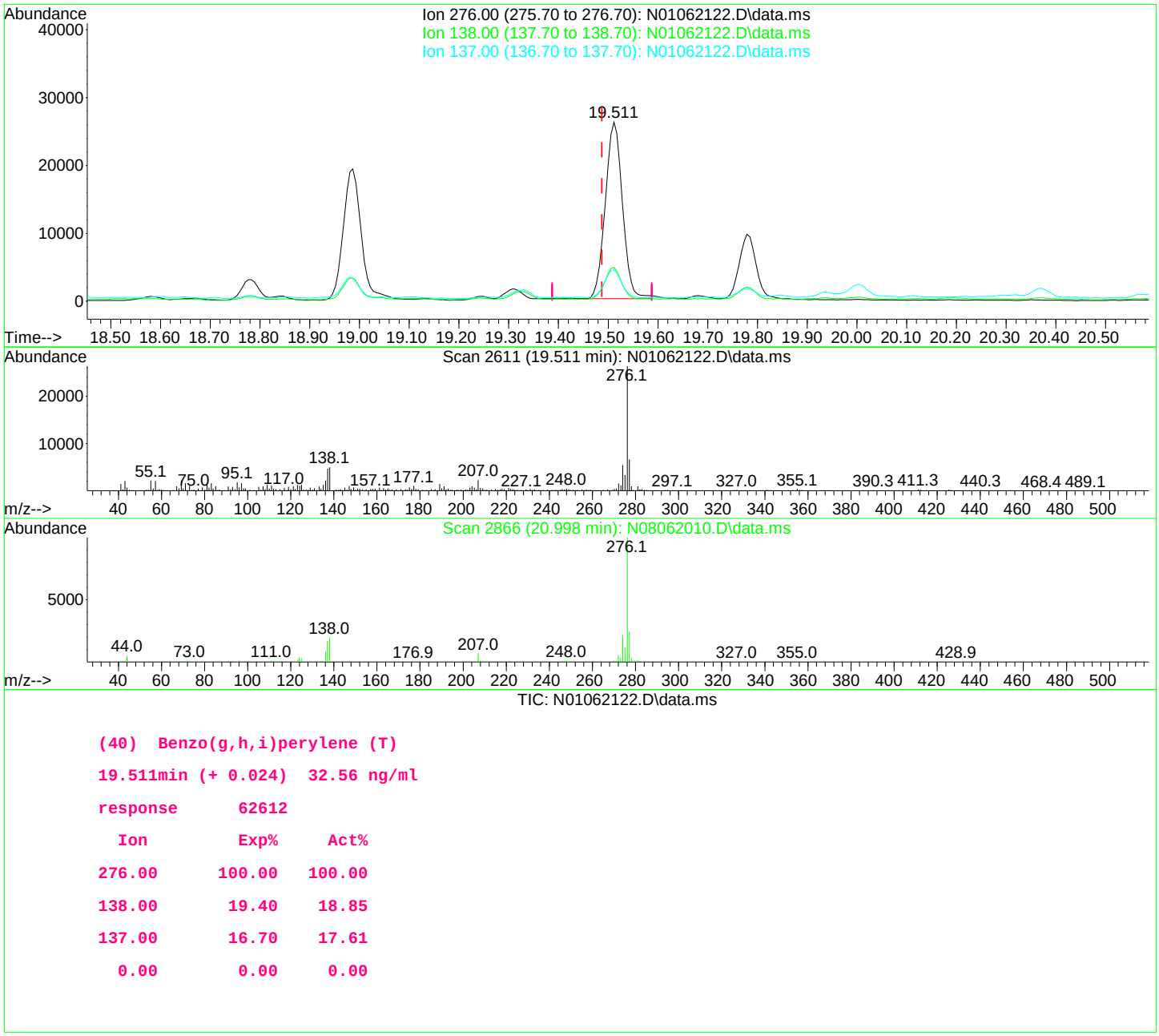
response 5506

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	26.00	22.11
138.00	19.90	20.63
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062122.D
Acq On : 06 Jan 2021 07:38 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-14
Misc : 1x, 8270E LL PAH ONLY
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jan 07 11:44:46 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01062122.D\data.ms

(40) Benzo(g,h,i)perylene (T)

19.511min (+ 0.024) 32.56 ng/ml

response 62612

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	19.40	18.85
137.00	16.70	17.61
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

AMS 1/7/21

Data Path : U:\data\2021-01\1A06048\
Data File : N01062124.D
Acq On : 06 Jan 2021 09:01 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-14RE1@10
Misc : 10x, #20
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jan 07 11:48:18 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.090	136	167629	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	8.822	162	102978	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.314	188	191422	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	13.374	240	190431	100.00	ng/ml	0.00
30) Perylene-d12 (ISTD)	16.597	264	199935	100.00	ng/ml	0.01
37) Dibenz(a,h)Anthrcene-d...	18.975	292	185388	100.00	ng/ml	0.02
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	6.414	82	3757	8.00	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.157	172	12645	8.59	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	9.626	330	2428	11.99	ng/ml	0.00
27) Terphenyl-d14 (Surr)	11.940	244	16379	8.95	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	0.000		0	N.D.		
4) Naphthalene	7.108	128	6427	3.72	ng/ml	98
5) 2-Methylnaphthalene	7.790	142	1518	1.21	ng/ml	97
6) 1-Methylnaphthalene	7.889	142	749	0.60	ng/ml	94
7) 1,1'-Biphenyl	8.256	154	1157	0.73	ng/ml	90
8) 2,6-Dimethylnaphthalene	8.419	156	843	0.72	ng/ml	96
11) Acenaphthylene	8.682	152	2050	1.19	ng/ml	90
12) Acenaphthene	8.857	153	36943	29.29	ng/ml	98
13) Dibenzofuran	9.031	168	822	0.52	ng/ml	84
14) 1,6,7-Trimethylnaphtha...	9.241	170	1312	1.15	ng/ml	79
15) Fluorene	9.375	166	3475	2.71	ng/ml	93
18) Pentachlorophenol (PCP)	10.156	266	98	9.97	ng/ml	87
19) Dibenzothiopene	10.209	184	16013	8.61	ng/ml	94
20) Phenanthrene	10.337	178	141545	68.32	ng/ml	99
21) Anthracene	10.389	178	2779	1.64	ng/ml	91
22) Carbazole	10.570	167	307	N.D.		
23) 1-Methylphenanthrene	10.961	192	2622	1.76	ng/ml	92
24) Fluoranthene	11.544	202	34994	16.28	ng/ml	94
26) Pyrene	11.765	202	65811	25.81	ng/ml	98
28) Benz(a)anthracene	13.356	228	8572	4.50	ng/ml	83
29) Chrysene	13.420	228	9517	4.84	ng/ml	99
31) Benzo(b)fluoranthene	15.723	252	7550	3.72	ng/ml	90
32) Benzo(k)fluoranthene	15.723	252	10205	5.34	ng/ml	87

Data Path : U:\data\2021-01\1A06048\
Data File : N01062124.D
Acq On : 06 Jan 2021 09:01 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-14RE1@10
Misc : 10x, #20
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jan 07 11:48:18 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

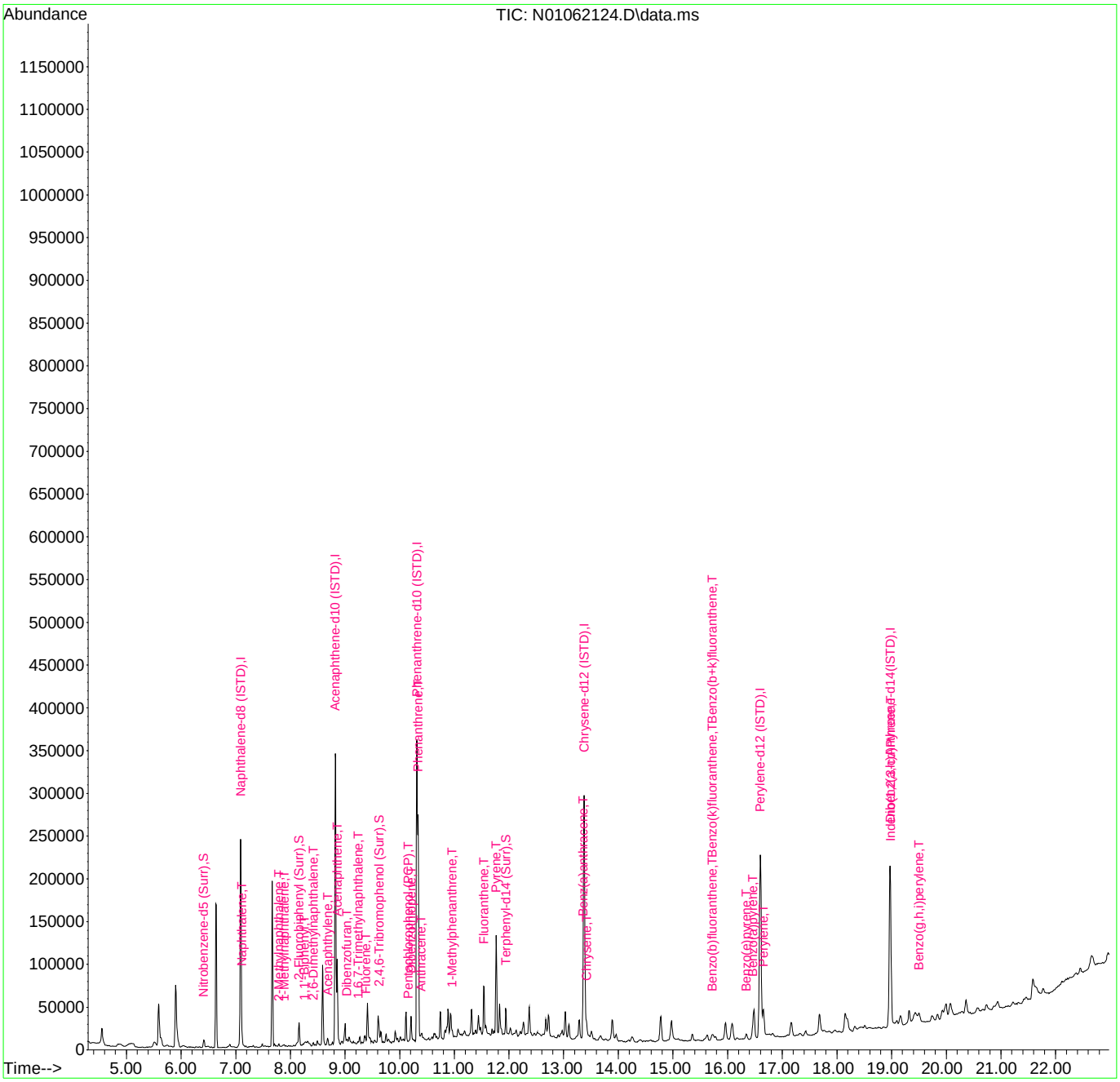
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	15.723	252	10390	5.04	ng/ml	87
34) Benzo(e)pyrene	16.340	252	4982	2.47	ng/ml	99
35) Benzo(a)pyrene	16.463	252	7269	4.95	ng/ml	91
36) Perylene	16.655	252	28608	13.11	ng/ml	99
38) Indeno(1,2,3-cd)Pyrene	18.981	276	5690	2.85	ng/ml	80
39) Dibenz(a,h)anthracene	19.039	278	626	N.D.		
40) Benzo(g,h,i)perylene	19.500	276	7057	3.48	ng/ml	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062124.D
Acq On : 06 Jan 2021 09:01 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-14RE1@10
Misc : 10x, #20
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jan 07 11:48:18 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062124.D
Acq On : 06 Jan 2021 09:01 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-14RE1@10
Misc : 10x, #20
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jan 07 11:48:18 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.090	136	167629	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	8.822	162	102978	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.314	188	191422	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	13.374	240	190431	100.00	ng/ml	0.00
30) Perylene-d12 (ISTD)	16.597	264	199935	100.00	ng/ml	0.01
37) Dibenz(a,h)Anthrcene-d...	18.975	292	185388	100.00	ng/ml	0.02
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	6.414	82	3757	8.00	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.157	172	12645	8.59	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	9.626	330	2428	11.99	ng/ml	0.00
27) Terphenyl-d14 (Surr)	11.940	244	16379	8.95	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	0.000		0	N.D.		
4) Naphthalene	7.108	128	6427	3.72	ng/ml	98
5) 2-Methylnaphthalene	7.790	142	1518	1.21	ng/ml	97
6) 1-Methylnaphthalene	7.889	142	749	0.60	ng/ml	94
7) 1,1'-Biphenyl	8.256	154	1157	0.73	ng/ml	90
8) 2,6-Dimethylnaphthalene	8.419	156	843	0.72	ng/ml	96
11) Acenaphthylene	8.682	152	2050	1.19	ng/ml	90
12) Acenaphthene	8.857	153	36943	29.29	ng/ml	98
13) Dibenzofuran	9.031	168	822	0.52	ng/ml	84
14) 1,6,7-Trimethylnaphtha...	9.241	170	1312	1.15	ng/ml	79
15) Fluorene	9.375	166	3475	2.71	ng/ml	93
18) Pentachlorophenol (PCP)	10.156	266	98	9.97	ng/ml	87
19) Dibenzothiopene	10.209	184	16013	8.61	ng/ml	94
20) Phenanthrene	10.337	178	141545	68.32	ng/ml	99
21) Anthracene	10.389	178	2779	1.64	ng/ml	91
22) Carbazole	10.570	167	307	N.D.		
23) 1-Methylphenanthrene	10.961	192	2622	1.76	ng/ml	92
24) Fluoranthene	11.544	202	34994	16.28	ng/ml	94
26) Pyrene	11.765	202	65811	25.81	ng/ml	98
28) Benz(a)anthracene	13.356	228	8572	4.50	ng/ml	83
29) Chrysene	13.420	228	9517	4.84	ng/ml	99
31) Benzo(b)fluoranthene	15.723	252	7550	3.72	ng/ml	90
32) Benzo(k)fluoranthene	15.723	252	10205	5.34	ng/ml	87

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062124.D
Acq On : 06 Jan 2021 09:01 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-14RE1@10
Misc : 10x, #20
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jan 07 11:48:18 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration

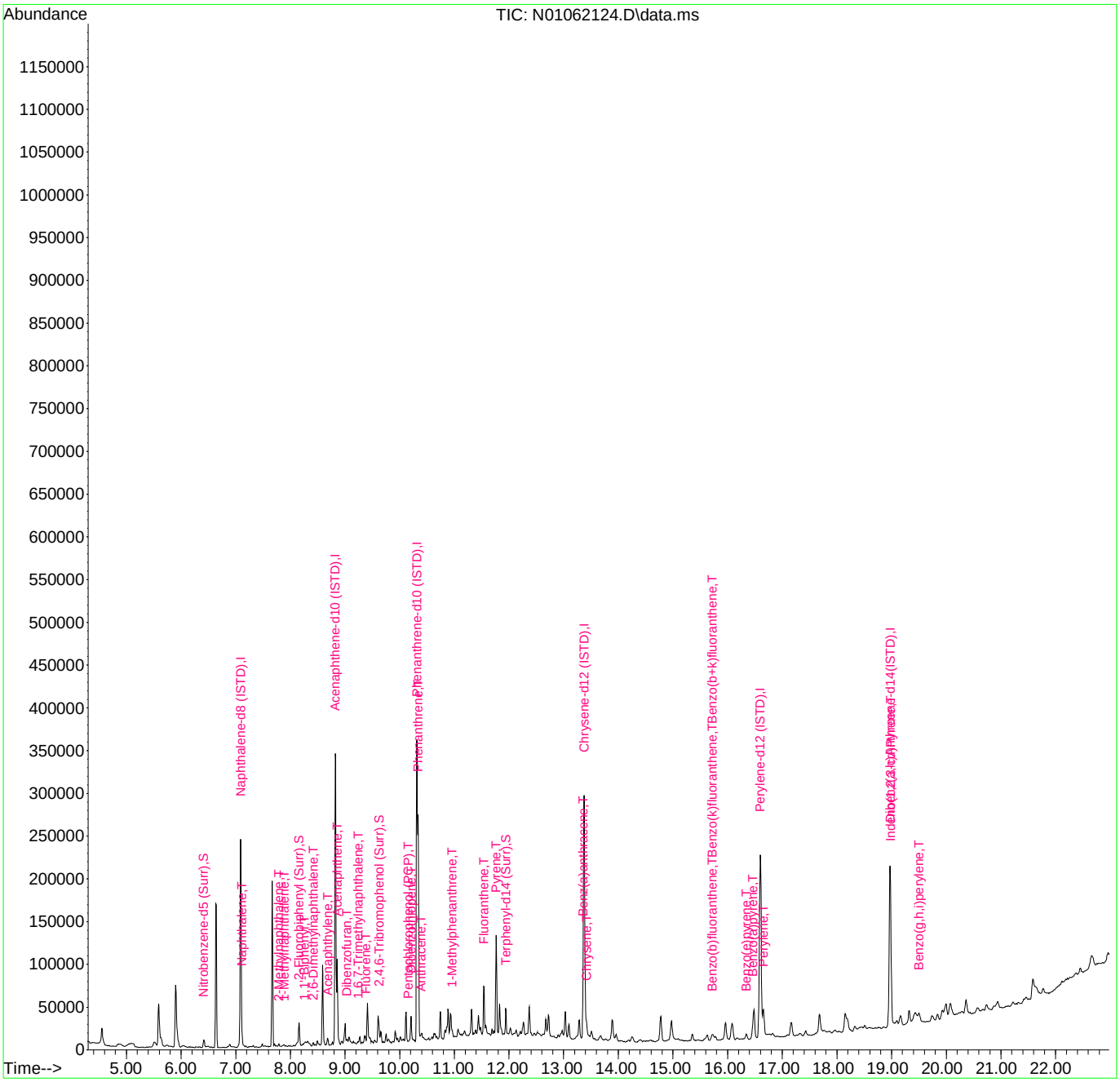
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzo(b+k)fluoranthene	15.723	252	10390	5.04	ng/ml	87
34) Benzo(e)pyrene	16.340	252	4982	2.47	ng/ml	99
35) Benzo(a)pyrene	16.463	252	7269	4.95	ng/ml	91
36) Perylene	16.655	252	28608	13.11	ng/ml	99
38) Indeno(1,2,3-cd)Pyrene	18.981	276	5690	2.85	ng/ml	80
39) Dibenz(a,h)anthracene	19.039	278	626	N.D.		
40) Benzo(g,h,i)perylene	19.500	276	7057	3.48	ng/ml	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062124.D
Acq On : 06 Jan 2021 09:01 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-14RE1@10
Misc : 10x, #20
ALS Vial : 16 Sample Multiplier: 1

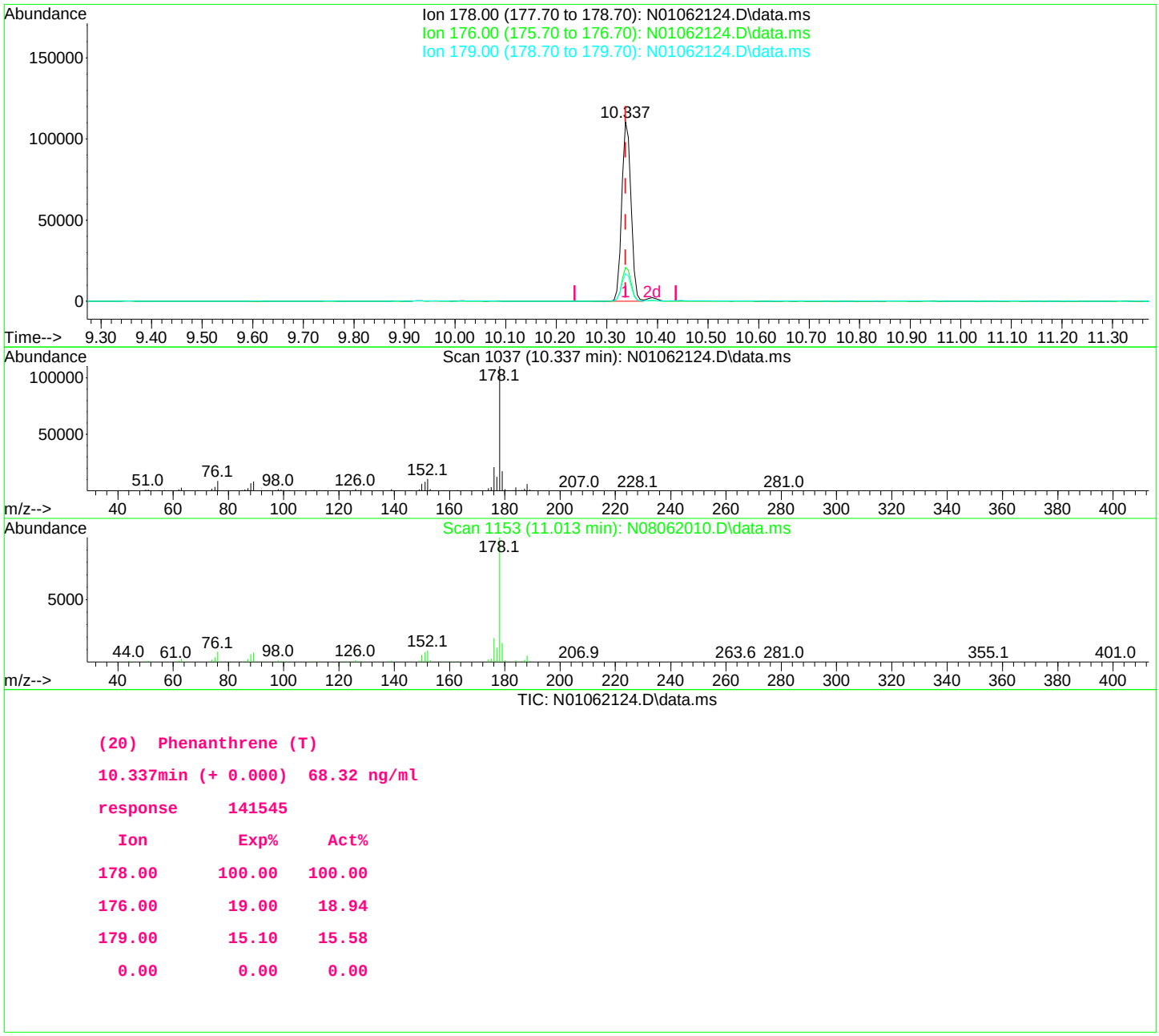
Quant Time: Jan 07 11:48:18 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : U:\data\2021-01\1A06048\
Data File : N01062124.D
Acq On : 06 Jan 2021 09:01 pm
Operator : JK/ AMS/ DTH
Sample : A0K0482-14RE1@10
Misc : 10x, #20
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jan 07 11:48:18 2021
Quant Method : U:\methods\SV14_080720RD.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Wed Jan 06 09:14:06 2021
Response via : Initial Calibration



TIC: N01062124.D\data.ms

(20) Phenanthrene (T)

10.337min (+ 0.000) 68.32 ng/ml

response 141545

Ion	Exp%	Act%
178.00	100.00	100.00
176.00	19.00	18.94
179.00	15.10	15.58
0.00	0.00	0.00

Semivolatile Organic Compounds by EPA 8270E
Calibration Data

Sequence 0H07053 (Cal ID A0H1005) SV-GCMS14

ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence:	0H07053	Instrument:	SV-GCMS14
Date:	**08/07/20 15:42**	Calibration:	**A0H1005**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0H07053-TUN1	Soil	QC	QC			A20G263	A20H065
2	0H07053-ICB1	Soil	QC	QC			A20G263	
3	0H07053-CAL1	Soil	QC	QC			A20G263	A20H127
4	0H07053-CAL2	Soil	QC	QC			A20G263	A20H128
5	0H07053-CAL3	Soil	QC	QC			A20G263	A20H129
6	0H07053-CAL4	Soil	QC	QC			A20G263	A20H130
7	0H07053-CAL5	Soil	QC	QC			A20G263	A20H131
8	0H07053-CAL6	Soil	QC	QC			A20G263	A20H132
9	0H07053-CAL7	Soil	QC	QC			A20G263	A20H133
10	0H07053-CAL8	Soil	QC	QC			A20G263	A20H134
11	0H07053-CAL9	Soil	QC	QC			A20G263	A20H135
12	0H07053-CALA	Soil	QC	QC			A20G263	A20H136
13	0H07053-IBL1	Soil	QC	QC			A20G263	
14	0H07053-IBL2	Soil	QC	QC			A20G263	
15	0H07053-ICV1	Soil	QC	QC			A20G263	A20H138
16	0H07053-IBL3	Soil	QC	QC			A20G263	

Comments:

Data Entered By/Date: JK 8/10/20

Data Reviewed By/Date: MKZ 8/14/2020

Calibration Status Report SV-GCMS14

Method Path : M:\methods\
Method File : SV14_080720.M
Title : EPA 8270D: Semivolatile Organics
Last Update : Mon Aug 10 09:22:10 2020
Response Via : Initial Calibration

JK 8/10/20

#	ID	Conc	ISTD Conc	Path\File
1	1.0	1	100	M:\data\2020-08\0H07053\N08072010.D
2	2.0	2	100	M:\data\2020-08\0H07053\N08072011.D
3	5.0	5	100	M:\data\2020-08\0H07053\N08072012.D
4	10.0	10	100	M:\data\2020-08\0H07053\N08072013.D
5	20	20	100	M:\data\2020-08\0H07053\N08072014.D
6	50.0	50	100	M:\data\2020-08\0H07053\N08072015.D
7	100	100	100	M:\data\2020-08\0H07053\N08072016.D
8	200	200	100	M:\data\2020-08\0H07053\N08072017.D
~~9~~	~~400~~	~~400~~	~~100~~	~~M:\data\2020-08\0H06064\N08062013.D~~
10	600	600	100	M:\data\2020-08\0H07053\N08072019.D

Misinjection. Point not included in calibration.

#	ID	Update Time	Quant Time	Acquisition Time
1	1.0	Aug 10 09:21 2020	Aug 10 09:16 2020	07 Aug 2020 04:50 pm
2	2.0	Aug 10 09:21 2020	Aug 10 09:16 2020	07 Aug 2020 05:23 pm
3	5.0	Aug 10 09:21 2020	Aug 10 09:17 2020	07 Aug 2020 05:56 pm
4	10.0	Aug 10 09:21 2020	Aug 10 09:18 2020	07 Aug 2020 06:29 pm
5	20	Aug 10 09:21 2020	Aug 10 09:18 2020	07 Aug 2020 07:02 pm
6	50.0	Aug 10 09:21 2020	Aug 10 09:18 2020	07 Aug 2020 07:35 pm
7	100	Aug 10 09:22 2020	Aug 10 09:19 2020	07 Aug 2020 08:07 pm
8	200	Aug 10 09:22 2020	Aug 10 09:19 2020	07 Aug 2020 08:40 pm
~~9~~	~~400~~	~~Aug 07 10:58 2020~~	~~Aug 07 10:55 2020~~	~~06 Aug 2020 11:02 pm~~
10	600	Aug 10 09:22 2020	Aug 10 09:20 2020	07 Aug 2020 09:45 pm

SV14_080720.M Mon Aug 10 12:58:23 2020

Response Factor Report SV-GCMS14

Method Path : M:\methods\
Method File : SV14_080720.M
Title : EPA 8270D: Semivolatile Organics
Last Update : Mon Aug 10 09:22:10 2020
Response Via : Initial Calibration

JK 8/10/20

Calibration Files
1.0 =N08072010.D 2.0 =N08072011.D 5.0 =N08072012.D 10.0=N08072013.D 20 =N08072014.D
50.0=N08072015.D 100 =N08072016.D 200 =N08072017.D 400 =N08062013.D 600 =N08072019.D

		Compound	1.0	2.0	5.0	10.0	20	50.0	100	200	400	600	Avg	%RSD
1)	I	Naphthalene-d8 (ISTD)	----------ISTD----------											
2)	S	Nitrobenzene-d...	0.303	0.283	0.263	0.261	0.282	0.282	0.283	0.281			0.284	0.280	4.49
3)	T	Decalin				0.056	0.060	0.068	0.055	0.053	0.062	0.058			0.062	0.059	7.97
4)	T	Naphthalene	1.192	1.066	1.023	1.030	1.028	1.001	1.005	0.983			0.953	1.031	6.62
5)	T	2-Methylnaphth...	0.675	0.735	0.736	0.703	0.754	0.780	0.782	0.780			0.767	0.746	5.02
6)	T	1-Methylnaphth...	0.709	0.720	0.744	0.743	0.757	0.769	0.769	0.764			0.741	0.746	2.84
7)	T	1,1'-Biphenyl	0.984	0.923	0.900	0.837	0.939	0.976	0.993	0.989			0.999	0.949	5.73
8)	T	2,6-Dimethylna...	0.671	0.657	0.661	0.621	0.705	0.725	0.741	0.742			0.737	0.695	6.38
9)	I	Acenaphthene-d10 (...	----------ISTD----------											
10)	S	2-Fluorobiphen...	1.376	1.393	1.425	1.394	1.460	1.492	1.472	1.467			1.389	1.430	3.04
11)	T	Acenaphthylene	1.474	1.566	1.592	1.685	1.686	1.757	1.792	1.803			1.731	1.676	6.65
12)	T	Acenaphthene	1.267	1.260	1.266	1.192	1.236	1.232	1.219	1.210			1.142	1.225	3.29
13)	T	Dibenzofuran	1.495	1.486	1.488	1.397	1.543	1.599	1.622	1.641			1.588	1.540	5.17
14)	T	1,6,7-Trimethy...	1.159	1.063	1.077	1.086	1.124	1.145	1.150	1.130			1.060	1.111	3.52
15)	T	Fluorene	1.208	1.215	1.185	1.104	1.247	1.302	1.348	1.340			1.272	1.247	6.30
16)	I	Phenanthrene-d10 (...	----------ISTD----------											
17)	S	2,4,6-Tribromo...				0.107	0.078	0.108	0.120	0.128	0.131		0.142	0.116	18.22
18)	T	Pentachlorophe...				0.008	0.021	0.042	0.052	0.072			0.103	0.050	68.86
19)	T	Dibenzothiopene	0.928	1.019	0.990	0.955	0.983	0.980	0.990	0.970			0.926	0.971	3.13
20)	T	Phenanthrene	1.195	1.148	1.072	1.061	1.081	1.077	1.069	1.050			0.987	1.082	5.45
21)	T	Anthracene	0.868	0.863	0.833	0.775	0.905	0.939	0.938	0.942			0.916	0.886	6.42
22)	T	Carbazole	0.595	0.575	0.609	0.502	0.724	0.760	0.715	0.731			0.720	0.659	13.63
23)	T	1-Methylphenan...	0.700	0.808	0.764	0.744	0.797	0.817	0.811	0.804			0.758	0.778	5.07

Method Path : M:\methods\
Method File : SV14_080720.M
Title : EPA 8270D: Semivolatile Organics

24)	T	Fluoranthene	1.056	1.074	1.058	1.022	1.137	1.170	1.203	1.212	1.173	1.123	6.33
25)	I	Chrysene-d12 (ISTD)	----------ISTD----------										
26)	T	Pyrene	1.284	1.285	1.314	1.673	1.366	1.310	1.405	1.278	1.135	1.339	10.88
27)	S	Terphenyl-d14 ...	0.948	0.900	0.965	1.003	1.009	0.983	0.990	0.954	0.903	0.961	4.15
28)	T	Benz(a)anthracene	1.185	1.074	0.961	0.922	0.963	0.964	0.961	0.973	0.995	1.000	8.09
29)	T	Chrysene	1.050	1.051	1.063	1.013	1.046	1.035	1.039	1.017	0.984	1.033	2.37
30)	I	Perylene-d12 (ISTD)	----------ISTD----------										
31)	T	Benzo(b)fluora...	1.008	1.004	0.923	0.982	1.013	1.015	1.048	1.054	1.078	1.014	4.44
32)	T	Benzo(k)fluora...	0.926	0.854	0.918	0.919	0.939	0.984	1.002	1.040	1.026	0.957	6.31
33)	T	Benzo(b+k)fluo...	0.967	0.999	0.982	1.015	1.033	1.051	1.072	1.085	1.083	1.032	4.27
34)	T	Benzo(e)pyrene	0.943	0.938	0.965	1.011	1.001	1.015	1.063	1.079	1.060	1.008	5.17
35)	T	Benzo(a)pyrene	0.754	0.681	0.649	0.662	0.717	0.756	0.778	0.805	0.813	0.735	8.29
36)	T	Perylene	1.114	1.064	1.042	1.096	1.134	1.112	1.101	1.105	1.056	1.092	2.81
37)	I	Dibenz(a,h)Anthrce...	----------ISTD----------										
38)	T	Indeno(1,2,3-c...	1.057	1.050	1.042	1.057	1.057	1.051	1.096	1.128	1.148	1.076	3.58
39)	T	Dibenz(a,h)ant...	1.062	1.058	1.013	1.009	1.045	1.024	1.110	1.123	1.080	1.058	3.83
40)	T	Benzo(g,h,i)pe...	1.003	1.025	1.003	1.045	1.075	1.106	1.172	1.213	1.206	1.094	7.73

(#) = Out of Range

Compound List Report SV-GCMS14

Method Path : M:\methods\
Method File : SV14_080720.M
Title : EPA 8270D: Semivolatile Organics
Last Update : Mon Aug 10 09:22:10 2020
Response Via : Initial Calibration

JK 8/10/20

All quadratic curve fits weighted 1/(a^2)

Total Cpnds : 40

PK#		Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1	I	Naphthalene-d8 (ISTD)	136	7.737	1.000	A	2	A	B
2	S	Nitrobenzene-d5 (Surr)	82	7.050	0.911	A	1	A	R
3	T	Decalin	138	7.212	0.932	A	2	A	B
4	T	Naphthalene	128	7.761	1.003	A	2	A	R
5	T	2-Methylnaphthalene	142	8.443	1.091	A	2	A	R
6	T	1-Methylnaphthalene	142	8.542	1.104	A	2	A	R
7	T	1,1'-Biphenyl	154	8.909	1.151	A	2	A	B
8	T	2,6-Dimethylnaphthalene	156	9.066	1.172	A	2	A	R
9	I	Acenaphthene-d10 (ISTD)	162	9.492	1.000	A	2	A	R
10	S	2-Fluorobiphenyl (Surr)	172	8.804	0.928	A	2	A	R
11	T	Acenaphthylene	152	9.346	0.985	A	2	A	R
12	T	Acenaphthene	153	9.521	1.003	A	2	A	R
13	T	Dibenzofuran	168	9.696	1.021	A	2	A	R
14	T	1,6,7-Trimethylnaphthalene	170	9.906	1.044	A	2	A	R
15	T	Fluorene	166	10.046	1.058	A	2	A	R
16	I	Phenanthrene-d10 (ISTD)	188	10.996	1.000	A	2	A	R
17	S	2,4,6-Tribromophenol (Surr)	330	10.296	0.936	Q	2	A	R
18	T	Pentachlorophenol (PCP)	266	10.814	0.983	Q	2	A	R
19	T	Dibenzothiopene	184	10.891	0.990	A	3	A	R
20	T	Phenanthrene	178	11.019	1.002	A	2	A	R
21	T	Anthracene	178	11.071	1.007	A	2	A	R
22	T	Carbazole	167	11.235	1.022	A	2	A	R
23	T	1-Methylphenanthrene	192	11.643	1.059	A	2	A	R
24	T	Fluoranthene	202	12.260	1.115	A	2	A	R
25	I	Chrysene-d12 (ISTD)	240	14.633	1.000	A	2	A	R
26	T	Pyrene	202	12.534	0.857	A	2	A	R
27	S	Terphenyl-d14 (Surr)	244	12.733	0.870	A	2	A	R
28	T	Benz(a)anthracene	228	14.609	0.998	A	2	A	R
29	T	Chrysene	228	14.691	1.004	A	2	A	R
30	I	Perylene-d12 (ISTD)	264	18.083	1.000	A	2	A	R
31	T	Benzo(b)fluoranthene	252	17.174	0.950	A	2	A	R
32	T	Benzo(k)fluoranthene	252	17.238	0.953	A	2	A	R
33	T	Benzo(b+k)fluoranthene	252	17.238	0.953	A	2	A	R
34	T	Benzo(e)pyrene	252	17.821	0.985	A	2	A	R
35	T	Benzo(a)pyrene	252	17.943	0.992	A	2	A	R
36	T	Perylene	252	18.141	1.003	A	2	A	R
37	I	Dibenz(a,h)Anthrcene-d14(ISTD)	292	20.467	1.000	A	2	A	R
38	T	Indeno(1,2,3-cd)Pyrene	276	20.473	1.000	A	2	A	R
39	T	Dibenz(a,h)anthracene	278	20.531	1.003	A	2	A	R
40	T	Benzo(g,h,i)perylene	276	21.009	1.026	A	2	A	R

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
#Qual = number of qualifiers
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

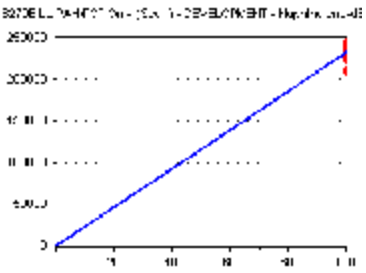
SV14_080720.M Mon Aug 10 12:56:38 2020

Element Calibration Review Sheet

Calibration ID: **A0H1005** Instrument: **SV-GCMS14** Calibration Date: **08/10/2020**

Analysis: **8270E LL PAH/PCP Only (Sc** Instrument Cal ID: **A0H1005**

Naphthalene-d8 (ISTD)

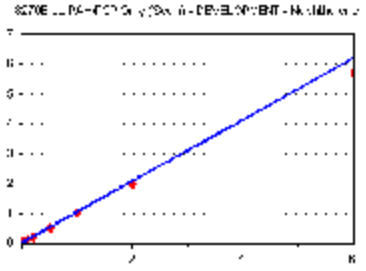


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0H07053-CAL1	100	209647	2096.470	7.74
0H07053-CAL2	100	224491	2244.910	7.74
0H07053-CAL3	100	226097	2260.970	7.74
0H07053-CAL4	100	228032	2280.320	7.74
0H07053-CAL5	100	239716	2397.160	7.74
0H07053-CAL6	100	236348	2363.480	7.74
0H07053-CAL7	100	239628	2396.280	7.74
0H07053-CAL8	100	243956	2439.560	7.74
~~0H07053-CAL9~~	~~100~~	~~17104~~	~~171.040~~	~~7.74~~
0H07053-CALA	100	238642	2386.420	7.74

AVE RF **2318.397** RF RSD **4.65** AVE RT **7.74**

Naphthalene

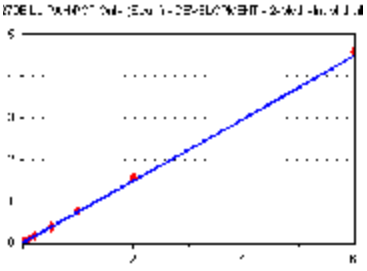


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0H07053-CAL1	1	2500	1.192	7.76
0H07053-CAL2	2	4784	1.066	7.76
0H07053-CAL3	5	11565	1.023	7.76
0H07053-CAL4	10	23497	1.030	7.76
0H07053-CAL5	20	49268	1.028	7.76
0H07053-CAL6	50	118307	1.001	7.76
0H07053-CAL7	100	240756	1.005	7.76
0H07053-CAL8	200	479537	0.983	7.76
~~0H07053-CAL9~~	~~400~~	~~70590~~	~~1.032~~	~~7.76~~
0H07053-CALA	600	1364884	0.953	7.76

AVE RF **1.031** RF RSD **6.62** AVE RT **7.76**

2-Methylnaphthalene

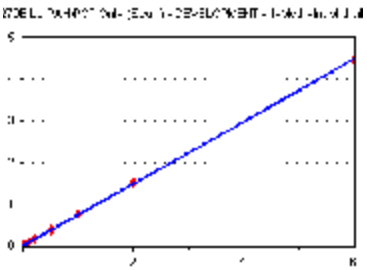


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0H07053-CAL1	1	1415	0.675	8.44
0H07053-CAL2	2	3298	0.735	8.44
0H07053-CAL3	5	8315	0.736	8.44
0H07053-CAL4	10	16041	0.703	8.44
0H07053-CAL5	20	36143	0.754	8.44
0H07053-CAL6	50	92164	0.780	8.44
0H07053-CAL7	100	187483	0.782	8.44
0H07053-CAL8	200	380463	0.780	8.44
~~0H07053-CAL9~~	~~400~~	~~37012~~	~~0.541~~	~~8.44~~
0H07053-CALA	600	1097533	0.767	8.44

AVE RF **0.746** RF RSD **5.02** AVE RT **8.44**

1-Methylnaphthalene



Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0H07053-CAL1	1	1486	0.709	8.54
0H07053-CAL2	2	3232	0.720	8.54
0H07053-CAL3	5	8413	0.744	8.54
0H07053-CAL4	10	16943	0.743	8.54
0H07053-CAL5	20	36280	0.757	8.54
0H07053-CAL6	50	90899	0.769	8.54
0H07053-CAL7	100	184281	0.769	8.54
0H07053-CAL8	200	372527	0.764	8.54
~~0H07053-CAL9~~	~~400~~	~~38595~~	~~0.564~~	~~8.54~~
0H07053-CALA	600	1061181	0.741	8.54

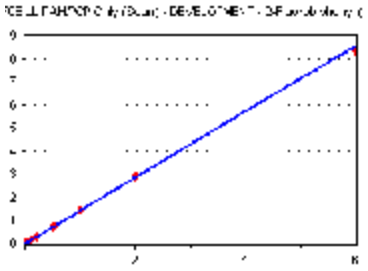
AVE RF **0.746** RF RSD **2.84** AVE RT **8.54**

Element Calibration Review Sheet

Calibration ID: **A0H1005** Instrument: **SV-GCMS14** Calibration Date: **08/10/2020**

Analysis: **8270E LL PAH/PCP Only (Sc** Instrument Cal ID: **A0H1005**

2-Fluorobiphenyl (Surr)

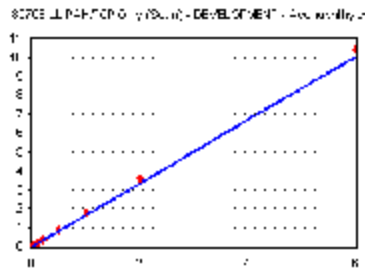


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0H07053-CAL1	1	1868	1.376	8.80
0H07053-CAL2	2	3920	1.393	8.80
0H07053-CAL3	5	10278	1.425	8.80
0H07053-CAL4	10	19786	1.394	8.80
0H07053-CAL5	20	45285	1.460	8.80
0H07053-CAL6	50	117511	1.492	8.80
0H07053-CAL7	100	236184	1.472	8.80
0H07053-CAL8	200	477028	1.467	8.80
~~0H07053-CAL9~~	~~400~~	~~33043~~	~~1.885~~	~~8.80~~
0H07053-CALA	600	1394405	1.389	8.81

AVE RF **1.430** RF RSD **3.04** AVE RT **8.80**

Acenaphthylene

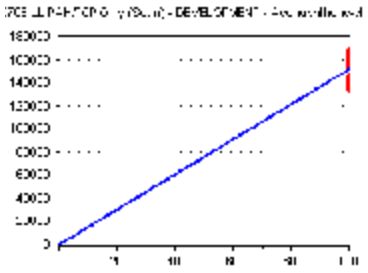


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0H07053-CAL1	1	2000	1.474	9.35
0H07053-CAL2	2	4408	1.566	9.35
0H07053-CAL3	5	11485	1.592	9.35
0H07053-CAL4	10	23907	1.685	9.35
0H07053-CAL5	20	52295	1.686	9.35
0H07053-CAL6	50	138328	1.757	9.35
0H07053-CAL7	100	287639	1.792	9.35
0H07053-CAL8	200	586170	1.803	9.35
~~0H07053-CAL9~~	~~400~~	~~32891~~	~~1.876~~	~~9.35~~
0H07053-CALA	600	1737176	1.731	9.35

AVE RF **1.676** RF RSD **6.65** AVE RT **9.35**

Acenaphthene-d10 (ISTD)

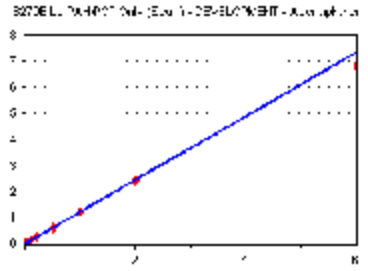


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0H07053-CAL1	100	135719	1357.190	9.49
0H07053-CAL2	100	140735	1407.350	9.49
0H07053-CAL3	100	144275	1442.750	9.49
0H07053-CAL4	100	141904	1419.040	9.49
0H07053-CAL5	100	155110	1551.100	9.49
0H07053-CAL6	100	157474	1574.740	9.49
0H07053-CAL7	100	160491	1604.910	9.49
0H07053-CAL8	100	162564	1625.640	9.49
~~0H07053-CAL9~~	~~100~~	~~4382~~	~~43.820~~	~~9.49~~
0H07053-CALA	100	167307	1673.070	9.49

AVE RF **1517.310** RF RSD **7.41** AVE RT **9.49**

Acenaphthene



Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0H07053-CAL1	1	1719	1.267	9.52
0H07053-CAL2	2	3546	1.260	9.52
0H07053-CAL3	5	9131	1.266	9.52
0H07053-CAL4	10	16916	1.192	9.52
0H07053-CAL5	20	38339	1.236	9.52
0H07053-CAL6	50	96981	1.232	9.52
0H07053-CAL7	100	195700	1.219	9.52
0H07053-CAL8	200	393259	1.210	9.52
~~0H07053-CAL9~~	~~400~~	~~21612~~	~~1.233~~	~~9.52~~
0H07053-CALA	600	1146621	1.142	9.53

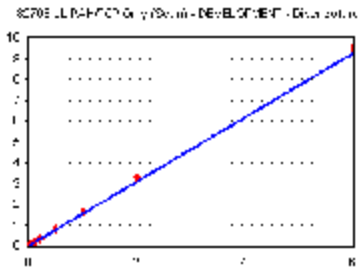
AVE RF **1.225** RF RSD **3.29** AVE RT **9.52**

Element Calibration Review Sheet

Calibration ID: **A0H1005** Instrument: **SV-GCMS14** Calibration Date: **08/10/2020**

Analysis: **8270E LL PAH/PCP Only (Sc** Instrument Cal ID: **A0H1005**

Dibenzofuran

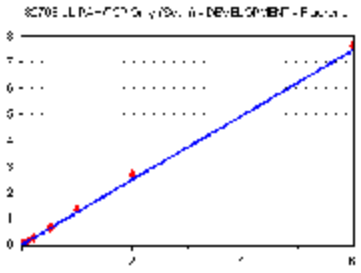


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0H07053-CAL1	1	2029	1.495	9.70
0H07053-CAL2	2	4184	1.486	9.70
0H07053-CAL3	5	10731	1.488	9.70
0H07053-CAL4	10	19825	1.397	9.70
0H07053-CAL5	20	47868	1.543	9.70
0H07053-CAL6	50	125884	1.599	9.70
0H07053-CAL7	100	260342	1.622	9.70
0H07053-CAL8	200	533541	1.641	9.70
~~0H07053-CAL9~~	~~400~~	~~20091~~	~~1.146~~	~~9.70~~
0H07053-CALA	600	1593927	1.588	9.70

AVE RF **1.540** RF RSD **5.17** AVE RT **9.70**

Fluorene

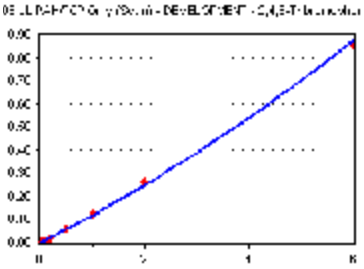


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0H07053-CAL1	1	1639	1.208	10.05
0H07053-CAL2	2	3421	1.215	10.05
0H07053-CAL3	5	8551	1.185	10.05
0H07053-CAL4	10	15667	1.104	10.05
0H07053-CAL5	20	38684	1.247	10.05
0H07053-CAL6	50	102499	1.302	10.05
0H07053-CAL7	100	216422	1.348	10.05
0H07053-CAL8	200	435598	1.340	10.05
~~0H07053-CAL9~~	~~400~~	~~11678~~	~~0.666~~	~~10.05~~
0H07053-CALA	600	1277182	1.272	10.05

AVE RF **1.247** RF RSD **6.30** AVE RT **10.05**

2,4,6-Tribromophenol (Surr)

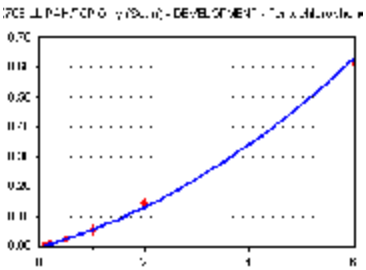


Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

Standard	Concentration	Response	Response Factor	RT
~~0H07053-CAL1~~	~~1~~	~~0~~	~~0.000~~	~~0.00~~
~~0H07053-CAL2~~	~~2~~	~~534~~	~~0.109~~	~~10.30~~
0H07053-CAL3	5	1324	0.107	10.30
0H07053-CAL4	10	1728	7.766	10.30
0H07053-CAL5	20	6085	0.108	10.30
0H07053-CAL6	50	17962	0.120	10.30
0H07053-CAL7	100	39630	0.128	10.29
0H07053-CAL8	200	84601	0.131	10.29
~~0H07053-CAL9~~	~~400~~	~~701~~	~~7.560~~	~~10.29~~
0H07053-CALA	600	289654	0.142	10.30

AVE RF **0.116** RF RSD **18.22** AVE RT **10.29**

Pentachlorophenol (PCP)



Curve Fit: **QUADRATIC: Weighting: (1/a^2), Origin: Ignore**

Standard	Concentration	Response	Response Factor	RT
~~0H07053-CAL1~~	~~1~~	~~350~~	~~0.150~~	~~10.82~~
~~0H07053-CAL2~~	~~2~~	~~248~~	~~5.079~~	~~10.82~~
~~0H07053-CAL3~~	~~5~~	~~227~~	~~1.832~~	~~10.82~~
0H07053-CAL4	10	188	8.449	10.82
0H07053-CAL5	20	1210	2.147	10.82
0H07053-CAL6	50	6271	4.207	10.82
0H07053-CAL7	100	16208	5.226	10.82
0H07053-CAL8	200	46324	7.185	10.82
~~0H07053-CAL9~~	~~400~~	~~0~~	~~0.000~~	~~0.00~~
0H07053-CALA	600	209662	0.103	10.82

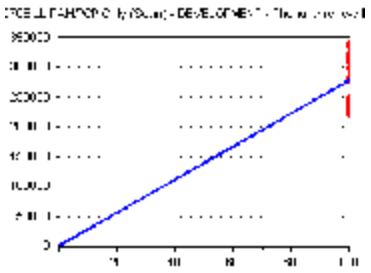
AVE RF **4.984** RF RSD **68.86** AVE RT **10.82**

Element Calibration Review Sheet

Calibration ID: **A0H1005** Instrument: **SV-GCMS14** Calibration Date: **08/10/2020**

Analysis: **8270E LL PAH/PCP Only (Sc** Instrument Cal ID: **A0H1005**

Phenanthrene-d10 (ISTD)

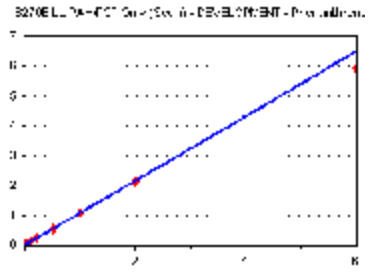


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0H07053-CAL1	100	232658	2326.580	11.00
0H07053-CAL2	100	244122	2441.220	11.00
0H07053-CAL3	100	247788	2477.880	11.00
0H07053-CAL4	100	222500	2225.000	11.00
0H07053-CAL5	100	281843	2818.430	11.00
0H07053-CAL6	100	298143	2981.430	11.00
0H07053-CAL7	100	310167	3101.670	11.00
0H07053-CAL8	100	322378	3223.780	11.00
~~0H07053-CAL9~~	~~100~~	~~2318~~	~~23.180~~	~~11.00~~
0H07053-CALA	100	339435	3394.350	11.00

AVE RF **2776.704** RF RSD **15.28** AVE RT **11.00**

Phenanthrene

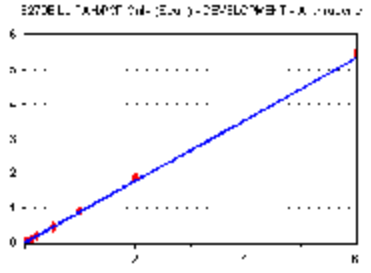


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0H07053-CAL1	1	2780	1.195	11.02
0H07053-CAL2	2	5605	1.148	11.02
0H07053-CAL3	5	13283	1.072	11.02
0H07053-CAL4	10	23609	1.061	11.02
0H07053-CAL5	20	60927	1.081	11.02
0H07053-CAL6	50	160556	1.077	11.02
0H07053-CAL7	100	331692	1.069	11.02
0H07053-CAL8	200	677193	1.050	11.02
~~0H07053-CAL9~~	~~400~~	~~9850~~	~~1.062~~	~~11.02~~
0H07053-CALA	600	2010051	0.987	11.03

AVE RF **1.082** RF RSD **5.45** AVE RT **11.02**

Anthracene

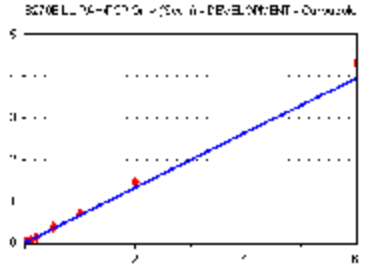


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0H07053-CAL1	1	2020	0.868	11.07
0H07053-CAL2	2	4212	0.863	11.07
0H07053-CAL3	5	10318	0.833	11.07
0H07053-CAL4	10	17244	0.775	11.07
0H07053-CAL5	20	50995	0.905	11.07
0H07053-CAL6	50	139978	0.939	11.07
0H07053-CAL7	100	291014	0.938	11.07
0H07053-CAL8	200	607405	0.942	11.07
~~0H07053-CAL9~~	~~400~~	~~7326~~	~~0.790~~	~~11.07~~
0H07053-CALA	600	1864915	0.916	11.08

AVE RF **0.886** RF RSD **6.42** AVE RT **11.07**

Carbazole



Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0H07053-CAL1	1	1385	0.595	11.24
0H07053-CAL2	2	2808	0.575	11.24
0H07053-CAL3	5	7544	0.609	11.24
0H07053-CAL4	10	11174	0.502	11.24
0H07053-CAL5	20	40816	0.724	11.24
0H07053-CAL6	50	113238	0.760	11.24
0H07053-CAL7	100	221628	0.715	11.24
0H07053-CAL8	200	471116	0.731	11.24
~~0H07053-CAL9~~	~~400~~	~~4563~~	~~0.492~~	~~11.24~~
0H07053-CALA	600	1466993	0.720	11.24

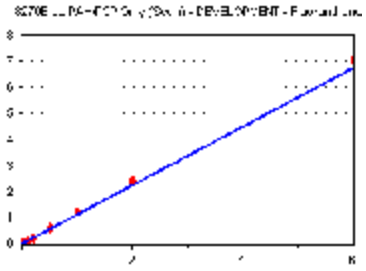
AVE RF **0.659** RF RSD **13.63** AVE RT **11.24**

Element Calibration Review Sheet

Calibration ID: **A0H1005** Instrument: **SV-GCMS14** Calibration Date: **08/10/2020**

Analysis: **8270E LL PAH/PCP Only (Sc** Instrument Cal ID: **A0H1005**

Fluoranthene

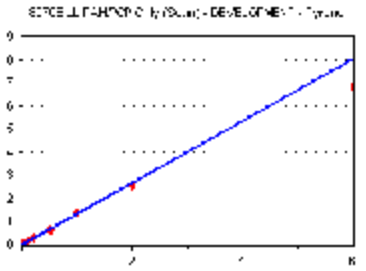


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0H07053-CAL1	1	2457	1.056	12.26
0H07053-CAL2	2	5246	1.074	12.26
0H07053-CAL3	5	13102	1.058	12.26
0H07053-CAL4	10	22749	1.022	12.26
0H07053-CAL5	20	64074	1.137	12.26
0H07053-CAL6	50	174353	1.170	12.26
0H07053-CAL7	100	373192	1.203	12.26
0H07053-CAL8	200	781297	1.212	12.26
~~0H07053-CAL9~~	~~400~~	~~7012~~	~~0.756~~	~~12.26~~
0H07053-CALA	600	2388152	1.173	12.27

AVE RF **1.123** RF RSD **6.33** AVE RT **12.26**

Pyrene

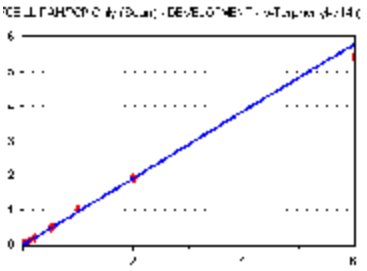


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0H07053-CAL1	1	2393	1.284	12.54
0H07053-CAL2	2	5435	1.285	12.53
0H07053-CAL3	5	13318	1.314	12.54
0H07053-CAL4	10	23593	1.673	12.53
0H07053-CAL5	20	65612	1.366	12.54
0H07053-CAL6	50	179092	1.310	12.53
0H07053-CAL7	100	385194	1.405	12.53
0H07053-CAL8	200	799981	1.278	12.54
~~0H07053-CAL9~~	~~400~~	~~6877~~	~~1.616~~	~~12.53~~
0H07053-CALA	600	2455254	1.135	12.55

AVE RF **1.339** RF RSD **10.88** AVE RT **12.54**

p-Terphenyl-d14 (Surr)

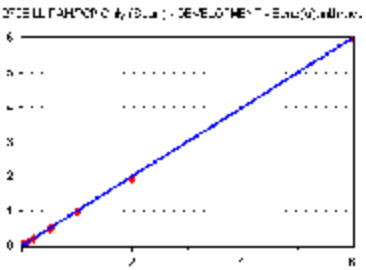


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0H07053-CAL1	1	1766	0.948	12.73
0H07053-CAL2	2	3805	0.900	12.73
0H07053-CAL3	5	9780	0.965	12.73
0H07053-CAL4	10	14134	1.003	12.73
0H07053-CAL5	20	48455	1.009	12.73
0H07053-CAL6	50	134305	0.983	12.73
0H07053-CAL7	100	271448	0.990	12.73
0H07053-CAL8	200	597044	0.954	12.73
~~0H07053-CAL9~~	~~400~~	~~5581~~	~~1.311~~	~~12.73~~
0H07053-CALA	600	1953505	0.903	12.74

AVE RF **0.961** RF RSD **4.15** AVE RT **12.73**

Benz(a)anthracene



Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0H07053-CAL1	1	2208	1.185	14.61
0H07053-CAL2	2	4545	1.074	14.61
0H07053-CAL3	5	9736	0.961	14.61
0H07053-CAL4	10	13000	0.922	14.61
0H07053-CAL5	20	46250	0.963	14.61
0H07053-CAL6	50	131678	0.964	14.61
0H07053-CAL7	100	263502	0.961	14.61
0H07053-CAL8	200	608983	0.973	14.62
~~0H07053-CAL9~~	~~400~~	~~4463~~	~~1.049~~	~~14.61~~
0H07053-CALA	600	2152328	0.995	14.63

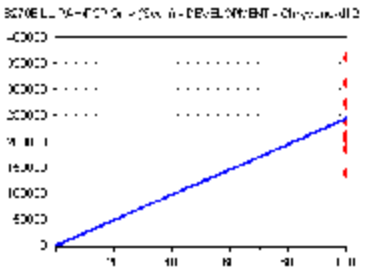
AVE RF **1.000** RF RSD **8.09** AVE RT **14.61**

Element Calibration Review Sheet

Calibration ID: **A0H1005** Instrument: **SV-GCMS14** Calibration Date: **08/10/2020**

Analysis: **8270E LL PAH/PCP Only (Sc** Instrument Cal ID: **A0H1005**

Chrysene-d12 (ISTD)

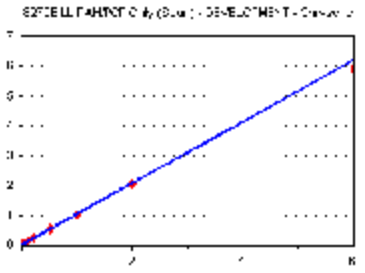


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0H07053-CAL1	100	186345	1863.450	14.63
0H07053-CAL2	100	211495	2114.950	14.63
0H07053-CAL3	100	202721	2027.210	14.63
0H07053-CAL4	100	140980	1409.800	14.63
0H07053-CAL5	100	240100	2401.000	14.63
0H07053-CAL6	100	273325	2733.250	14.63
0H07053-CAL7	100	274150	2741.500	14.63
0H07053-CAL8	100	313061	3130.610	14.64
~~0H07053-CAL9~~	~~100~~	~~1064~~	~~10.640~~	~~14.63~~
0H07053-CALA	100	360560	3605.600	14.65

AVE RF **2447.486** RF RSD **27.72** AVE RT **14.63**

Chrysene

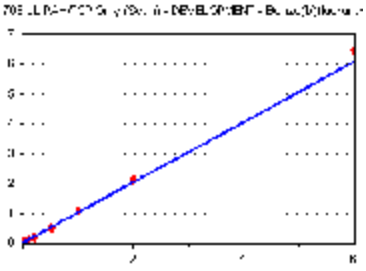


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0H07053-CAL1	1	1956	1.050	14.69
0H07053-CAL2	2	4447	1.051	14.69
0H07053-CAL3	5	10771	1.063	14.69
0H07053-CAL4	10	14280	1.013	14.69
0H07053-CAL5	20	50228	1.046	14.69
0H07053-CAL6	50	141380	1.035	14.69
0H07053-CAL7	100	284963	1.039	14.69
0H07053-CAL8	200	636457	1.017	14.70
~~0H07053-CAL9~~	~~400~~	~~5012~~	~~1.178~~	~~14.69~~
0H07053-CALA	600	2128504	0.984	14.71

AVE RF **1.033** RF RSD **2.37** AVE RT **14.69**

Benzo(b)fluoranthene

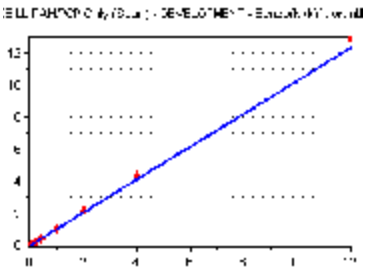


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0H07053-CAL1	1	1669	1.008	17.17
0H07053-CAL2	2	3889	1.004	17.17
0H07053-CAL3	5	8519	0.923	17.17
0H07053-CAL4	10	12095	0.982	17.17
0H07053-CAL5	20	44053	1.013	17.17
0H07053-CAL6	50	128755	1.015	17.17
0H07053-CAL7	100	256455	1.048	17.18
0H07053-CAL8	200	597527	1.054	17.19
~~0H07053-CAL9~~	~~400~~	~~4589~~	~~1.236~~	~~17.17~~
0H07053-CALA	600	2203761	1.078	17.20

AVE RF **1.014** RF RSD **4.44** AVE RT **17.18**

Benzo(b+k)fluoranthene(s)



Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0H07053-CAL1	2	3202	0.967	17.17
0H07053-CAL2	4	7739	0.999	17.17
0H07053-CAL3	10	18121	0.982	17.24
0H07053-CAL4	20	24984	1.015	17.24
0H07053-CAL5	40	89892	1.033	17.17
0H07053-CAL6	100	266585	1.051	17.24
0H07053-CAL7	200	524339	1.072	17.24
0H07053-CAL8	400	1231095	1.085	17.25
~~0H07053-CAL9~~	~~800~~	~~9502~~	~~1.280~~	~~17.17~~
0H07053-CALA	1200	4430224	1.083	17.27

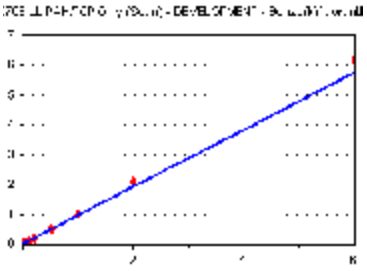
AVE RF **1.032** RF RSD **4.27** AVE RT **17.22**

Element Calibration Review Sheet

Calibration ID: **A0H1005** Instrument: **SV-GCMS14** Calibration Date: **08/10/2020**

Analysis: **8270E LL PAH/PCP Only (Sc** Instrument Cal ID: **A0H1005**

Benzo(k)fluoranthene

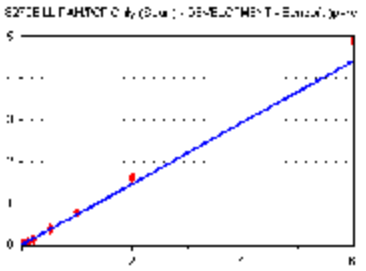


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0H07053-CAL1	1	1533	0.926	17.24
0H07053-CAL2	2	3308	0.854	17.24
0H07053-CAL3	5	8476	0.918	17.24
0H07053-CAL4	10	11317	0.919	17.24
0H07053-CAL5	20	40858	0.939	17.24
0H07053-CAL6	50	124775	0.984	17.24
0H07053-CAL7	100	245178	1.002	17.24
0H07053-CAL8	200	589910	1.040	17.25
~~0H07053-CAL9~~	~~400~~	~~4168~~	~~1.123~~	~~17.24~~
0H07053-CALA	600	2097578	1.026	17.27

AVE RF **0.957** RF RSD **6.31** AVE RT **17.24**

Benzo(a)pyrene

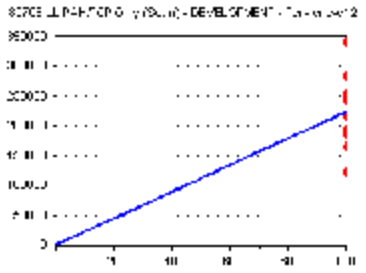


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0H07053-CAL1	1	1248	0.754	17.94
0H07053-CAL2	2	2639	0.681	17.94
0H07053-CAL3	5	5991	0.649	17.94
0H07053-CAL4	10	8146	0.662	17.94
0H07053-CAL5	20	31202	0.717	17.94
0H07053-CAL6	50	95892	0.756	17.94
0H07053-CAL7	100	190371	0.778	17.95
0H07053-CAL8	200	456627	0.805	17.95
~~0H07053-CAL9~~	~~400~~	~~2895~~	~~0.780~~	~~17.94~~
0H07053-CALA	600	1663091	0.813	17.97

AVE RF **0.735** RF RSD **8.29** AVE RT **17.95**

Perylene-d12 (ISTD)

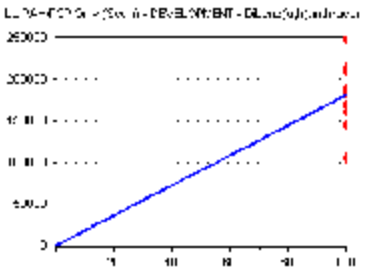


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0H07053-CAL1	100	165499	1654.990	18.08
0H07053-CAL2	100	193636	1936.360	18.08
0H07053-CAL3	100	184622	1846.220	18.08
0H07053-CAL4	100	123119	1231.190	18.08
0H07053-CAL5	100	217457	2174.570	18.08
0H07053-CAL6	100	253628	2536.280	18.08
0H07053-CAL7	100	244609	2446.090	18.08
0H07053-CAL8	100	283565	2835.650	18.09
~~0H07053-CAL9~~	~~100~~	~~928~~	~~9.280~~	~~18.08~~
0H07053-CALA	100	340814	3408.140	18.10

AVE RF **2229.943** RF RSD **29.49** AVE RT **18.08**

Dibenz(a,h)anthracene-d14 (ISTD



Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0H07053-CAL1	100	145171	1451.710	20.46
0H07053-CAL2	100	168561	1685.610	20.46
0H07053-CAL3	100	160255	1602.550	20.46
0H07053-CAL4	100	105945	1059.450	20.46
0H07053-CAL5	100	184403	1844.030	20.46
0H07053-CAL6	100	213890	2138.900	20.47
0H07053-CAL7	100	188292	1882.920	20.47
0H07053-CAL8	100	210998	2109.980	20.47
~~0H07053-CAL9~~	~~100~~	~~858~~	~~8.580~~	~~20.46~~
0H07053-CALA	100	249015	2490.150	20.49

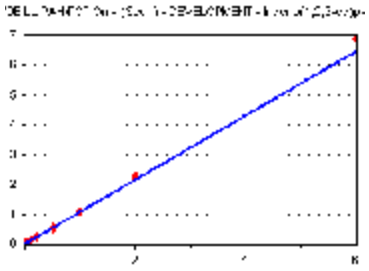
AVE RF **1807.256** RF RSD **23.29** AVE RT **20.47**

Element Calibration Review Sheet

Calibration ID: **A0H1005** Instrument: **SV-GCMS14** Calibration Date: **08/10/2020**

Analysis: **8270E LL PAH/PCP Only (Sc** Instrument Cal ID: **A0H1005**

Indeno(1,2,3-cd)pyrene

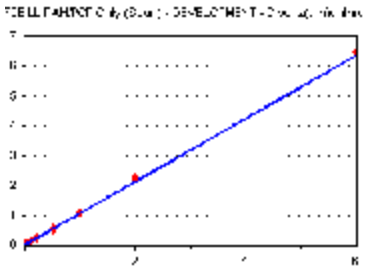


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0H07053-CAL1	1	1534	1.057	20.47
0H07053-CAL2	2	3539	1.050	20.47
0H07053-CAL3	5	8352	1.042	20.47
0H07053-CAL4	10	11197	1.057	20.47
0H07053-CAL5	20	38988	1.057	20.47
0H07053-CAL6	50	112418	1.051	20.47
0H07053-CAL7	100	206306	1.096	20.48
0H07053-CAL8	200	476115	1.128	20.48
~~0H07053-CAL9~~	~~400~~	~~3761~~	~~1.096~~	~~20.47~~
0H07053-CALA	600	1715742	1.148	20.51

AVE RF **1.076** RF RSD **3.58** AVE RT **20.48**

Dibenz(a,h)anthracene

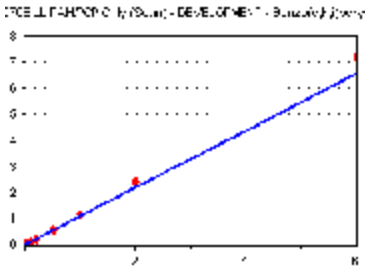


Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0H07053-CAL1	1	1542	1.062	20.53
0H07053-CAL2	2	3567	1.058	20.53
0H07053-CAL3	5	8113	1.013	20.53
0H07053-CAL4	10	10692	1.009	20.53
0H07053-CAL5	20	38552	1.045	20.53
0H07053-CAL6	50	109524	1.024	20.53
0H07053-CAL7	100	209030	1.110	20.54
0H07053-CAL8	200	473722	1.123	20.54
~~0H07053-CAL9~~	~~400~~	~~4212~~	~~1.227~~	~~20.53~~
0H07053-CALA	600	1613131	1.080	20.56

AVE RF **1.058** RF RSD **3.83** AVE RT **20.54**

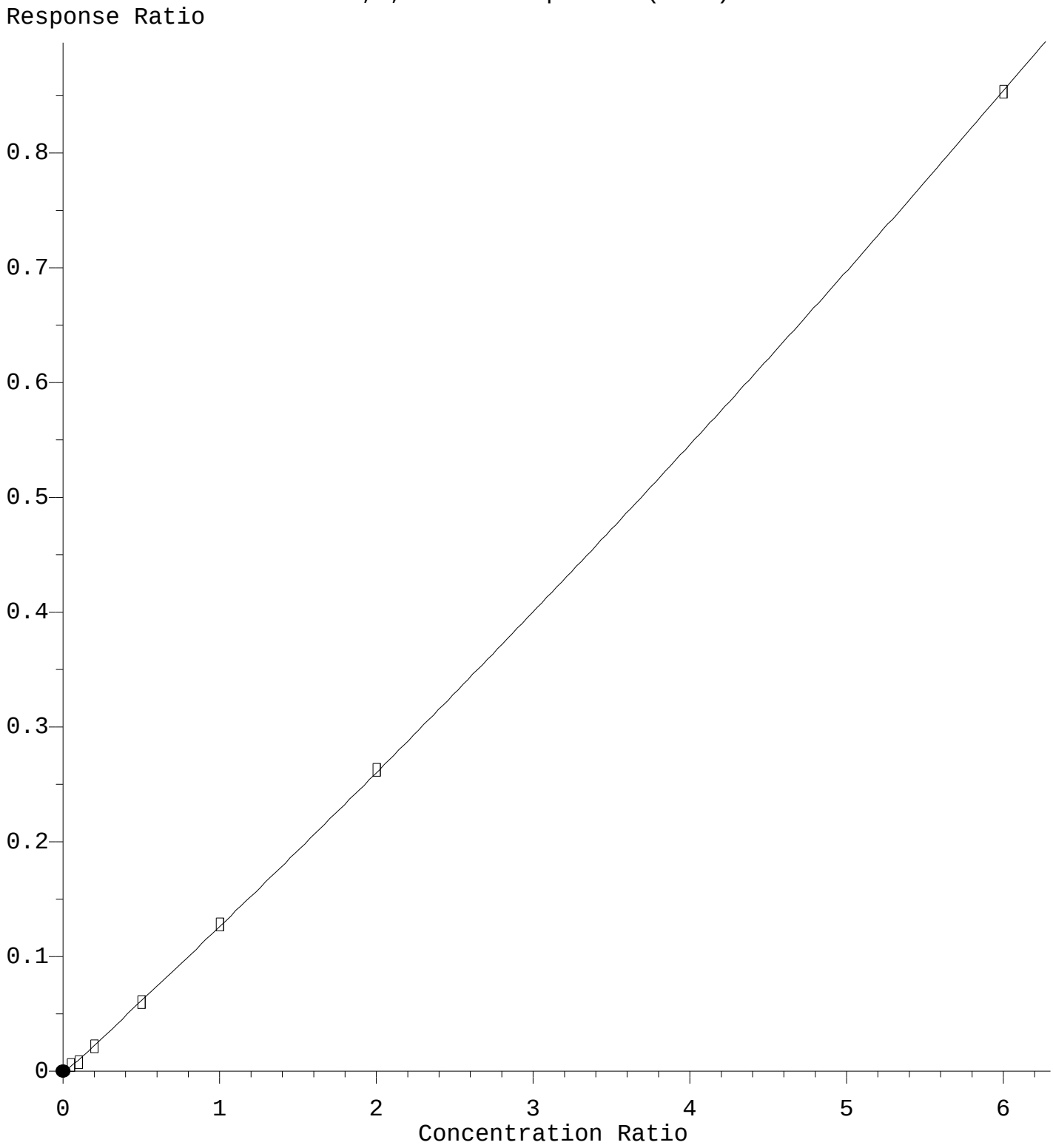
Benzo(g,h,i)perylene



Curve Fit: **AVERAGE RF**

Standard	Concentration	Response	Response Factor	RT
0H07053-CAL1	1	1456	1.003	21.00
0H07053-CAL2	2	3455	1.025	21.00
0H07053-CAL3	5	8033	1.003	21.00
0H07053-CAL4	10	11076	1.045	21.00
0H07053-CAL5	20	39660	1.075	21.00
0H07053-CAL6	50	118269	1.106	21.01
0H07053-CAL7	100	220629	1.172	21.01
0H07053-CAL8	200	511963	1.213	21.02
~~0H07053-CAL9~~	~~400~~	~~4287~~	~~1.249~~	~~21.01~~
0H07053-CALA	600	1802480	1.206	21.04

AVE RF **1.094** RF RSD **7.73** AVE RT **21.01**

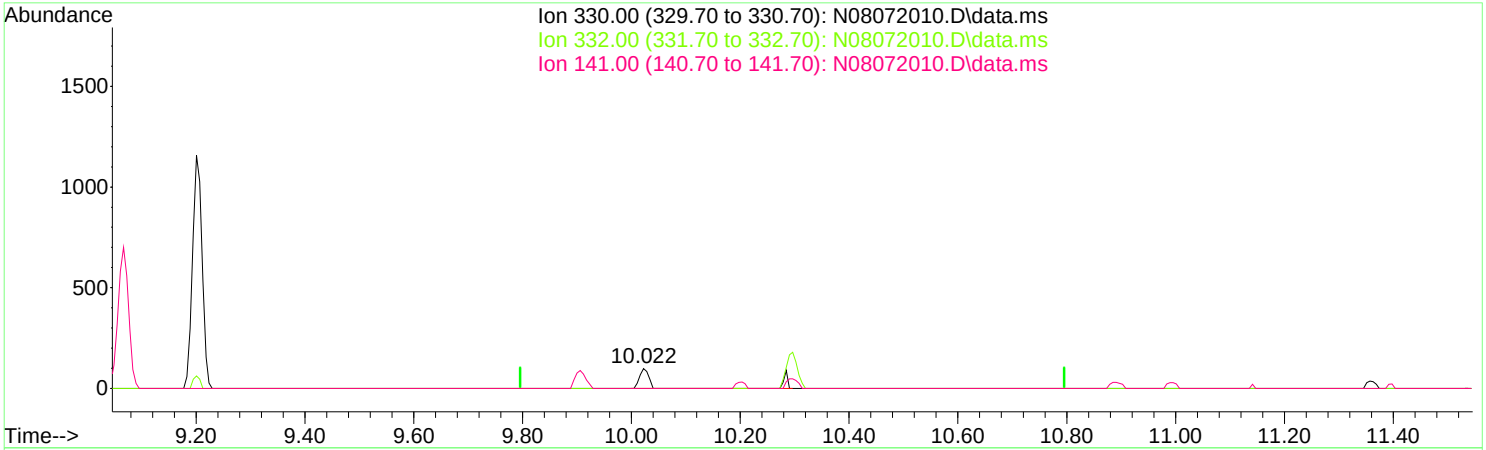


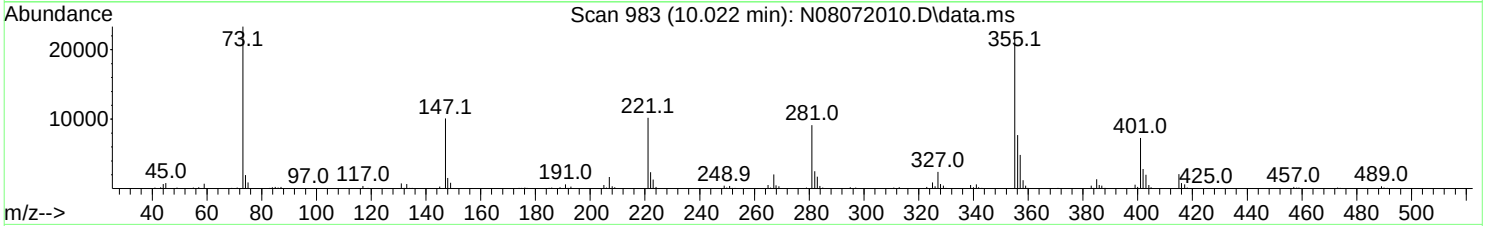
R = 2.86e-003 A*A + 1.26e-001 A - 2.41e-003
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w(1/a)
Method Name: M:\methods\SV14_080720.M
Calibration Table Last Updated: Mon Aug 10 09:29:52 2020

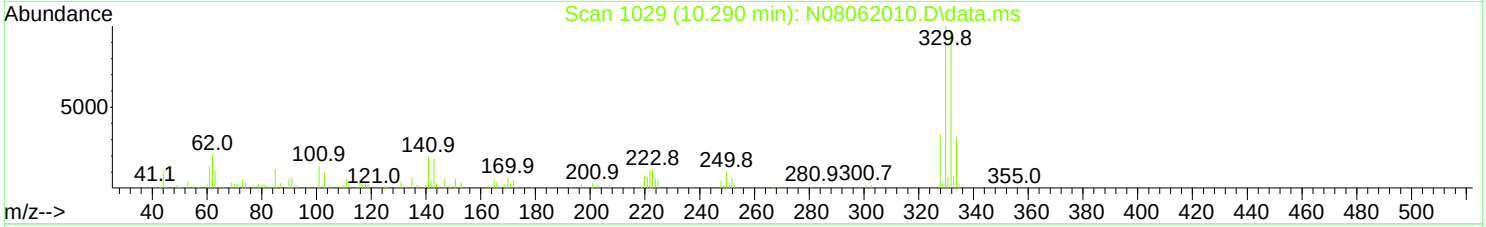
Quantitation Report (Qedit)

Data Path : M:\data\2020-08\0H07053\REQUANT\
Data File : N08072010.D
Acq On : 07 Aug 2020 04:50 pm
Operator : JK/ AMS/ DTH
Sample : 0H07053-CAL1
Misc : 1x, A20H127@1PPB
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 10 12:57:45 2020
Quant Method : M:\methods\SV14_080720.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Mon Aug 10 09:22:10 2020
Response via : Initial Calibration







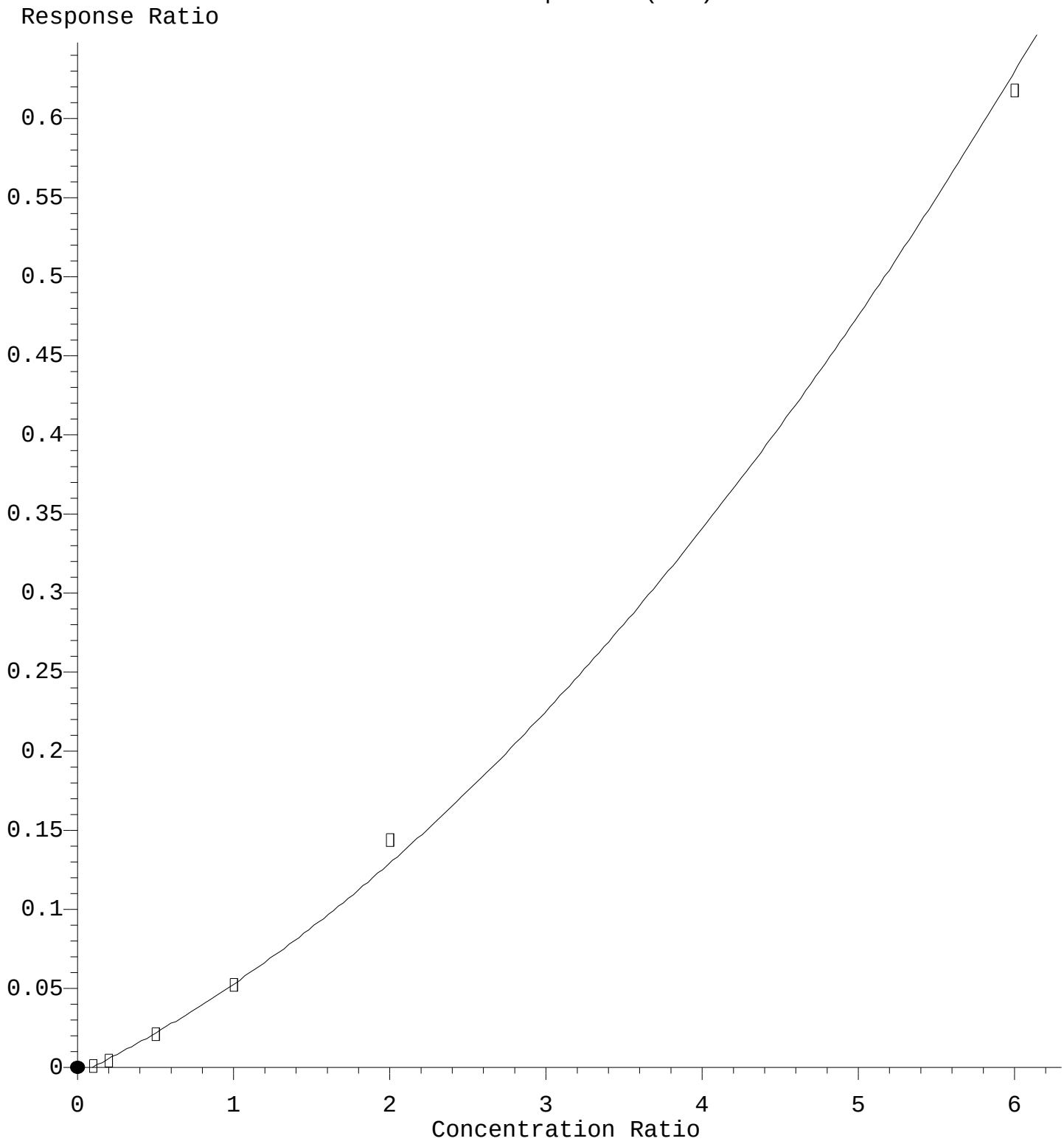
TIC: N08072010.D\data.ms

(17) 2,4,6-Tribromophenol (Surr) (S)

10.022min (-0.274) 2.45 ng/ml m

response 155

Ion	Exp%	Act%
330.00	100.00	100.00
332.00	99.00	0.00#
141.00	30.00	0.00
0.00	0.00	0.00

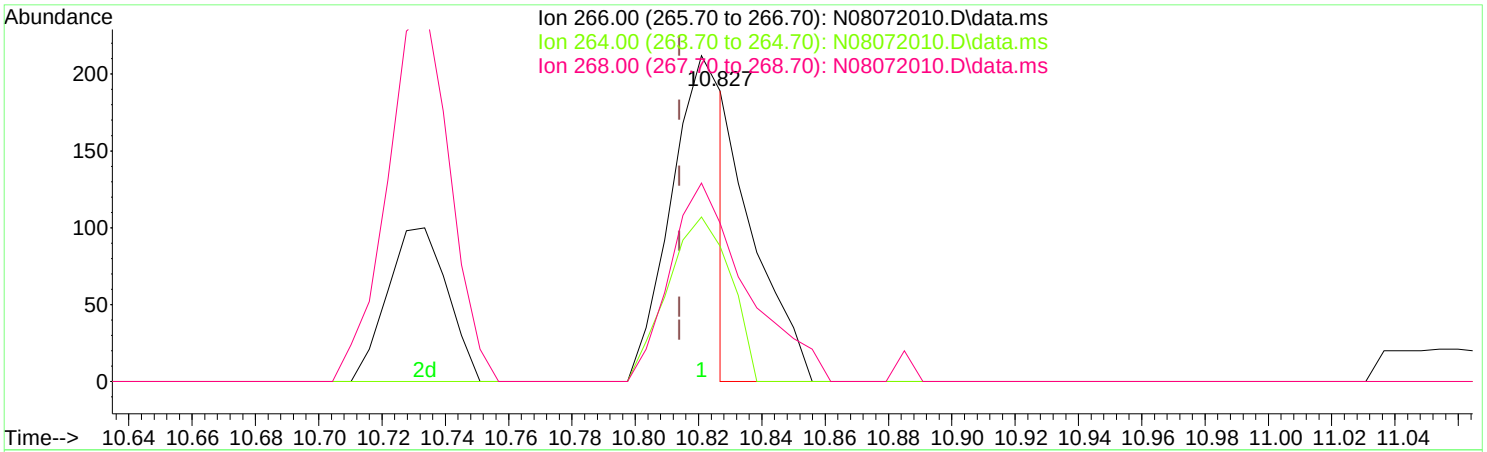


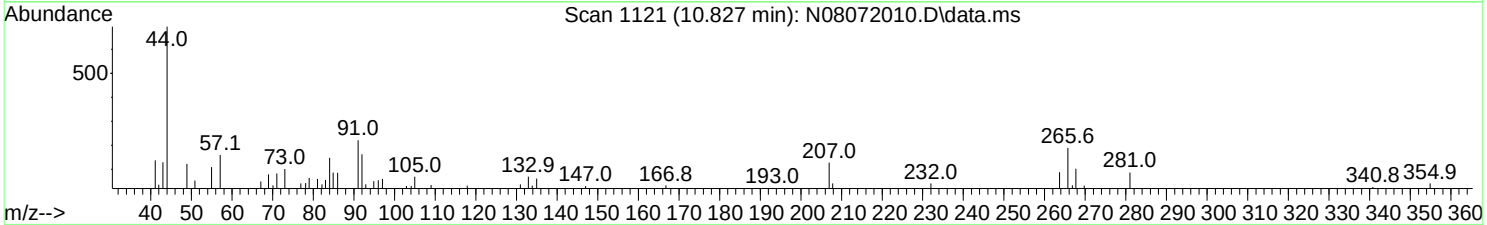
R = 9.72e-003 A*A + 4.74e-002 A - 4.31e-003
Coef of Det (r^2) = 0.994 Curve Fit: Quadratic w(1/a^2)
Method Name: M:\methods\SV14_080720.M
Calibration Table Last Updated: Mon Aug 10 09:29:52 2020

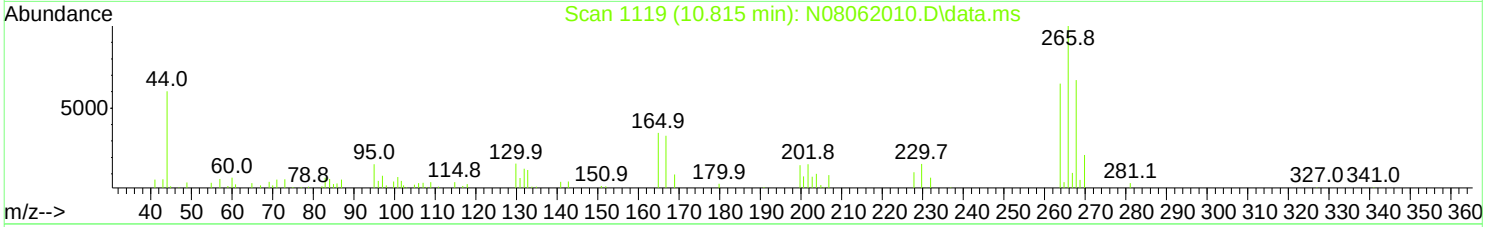
Quantitation Report (Qedit)

Data Path : M:\data\2020-08\0H07053\REQUANT\
Data File : N08072010.D
Acq On : 07 Aug 2020 04:50 pm
Operator : JK/ AMS/ DTH
Sample : 0H07053-CAL1
Misc : 1x, A20H127@1PPB
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 10 12:57:45 2020
Quant Method : M:\methods\SV14_080720.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Mon Aug 10 09:22:10 2020
Response via : Initial Calibration







TIC: N08072010.D\data.ms

(18) Pentachlorophenol (PCP) (T)

10.827min (+ 0.013) 9.86 ng/ml m

response 107

Ion	Exp%	Act%
266.00	100.00	100.00
264.00	63.00	46.56
268.00	64.00	54.50
0.00	0.00	0.00

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0H07053

Analysis Included

8270E LL PAH/PCP Only (Scan) - DEVELOPMENT

INSTRUMENT SEQUENCE LOG

SampleID	SampleName	Matrix	STDID	ISTD_ID	Analyzed	
0H07053-TUN1	MS Tune	Soil	A20H065	A20G263	8/7/2020	3:49:00PM
0H07053-ICB1	Initial Cal Blank	Soil		A20G263	8/7/2020	4:17:00PM
0H07053-CAL1	Cal Standard	Soil	A20H127	"	8/7/2020	4:50:00PM
0H07053-CAL2	Cal Standard	Soil	A20H128	"	8/7/2020	5:23:00PM
0H07053-CAL3	Cal Standard	Soil	A20H129	"	8/7/2020	5:56:00PM
0H07053-CAL4	Cal Standard	Soil	A20H130	"	8/7/2020	6:29:00PM
0H07053-CAL5	Cal Standard	Soil	A20H131	"	8/7/2020	7:02:00PM
0H07053-CAL6	Cal Standard	Soil	A20H132	"	8/7/2020	7:35:00PM
0H07053-CAL7	Cal Standard	Soil	A20H133	"	8/7/2020	8:07:00PM
0H07053-CAL8	Cal Standard	Soil	A20H134	"	8/7/2020	8:40:00PM
0H07053-CAL9	Cal Standard	Soil	A20H135	"	8/7/2020	9:12:00PM
0H07053-CALA	Cal Standard	Soil	A20H136	"	8/7/2020	9:45:00PM
0H07053-ICV1	Initial Cal Check	Soil	A20H138	"	8/7/2020	11:23:00PM

CALIBRATION STANDARD RECOVERIES

Calibration: **A0H1005** Instrument: **SV-GCMS14**

8270E LL PAH/PCP Only (Sca Sequence: **0H07053** Matrix: **Soil**

0H07053-CAL1	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual

0H07053-CAL2	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual

0H07053-CAL3	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual

0H07053-CAL4	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual

0H07053-CAL5	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual

0H07053-CAL6	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual

0H07053-CAL7	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual

0H07053-CAL8	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual

0H07053-CAL9	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual
Fluoranthene	10.0000	269.44	400	67	Misinjection. Point not included.
Fluorene	10.0000	213.74	400	53	
Pentachlorophenol (PCP)	100.0000	8.93	400	2	

0H07053-CALA	Inst. MRL	Recalc Res.	Cal Level	%Rec.	Qual

CALIBRATION SEQUENCE REVIEW SHEET

SEQUENCE: 0H07053

Compounds listed above have recalculated recoveries outside 70-130% of the true values, and the calibration levels are above the reporting level. If no compounds are listed, all are OK. Please see the next section for quadatic fit compounds.

Analytes With Quadratic Curve Fits

Qualifier	iMDL	iMRL	Spike Amt	%Difference	OK?	Raise MRL to ?
					☐	☐

Analytes listed above have quadratic curve fits. If they are using a weighting otpion, they must be checked against the requanted curve points to determine if the recalculated results are within limits (70-130 or as specified).

ICV RECOVERIES

Calibration: **A0H1005** Instrument: **SV-GCMS14**

8270E LL PAH/PCP Only (Sca Sequence: **0H07053** Matrix: **Soil**

0H07053-ICV1	**Inst. MRL**	**ICV Level**	**Result**	**%Rec.**	**Qual**

Compounds listed above have Initial Calibration Verification standard recoveries outside 70-130% of the true values. If no compounds are listed, all have passing recoveries.

Evaluate Continuing Calibration Report

Data Path : M:\data\2020-08\0H07053\
Data File : N08072022.D
Acq On : 07 Aug 2020 11:23 pm
Operator : JK/ AMS/ DTH
Sample : 0H07053-ICV1
Misc : 1x, A20H138@50PPB
ALS Vial : 13 Sample Multiplier: 1

JK 8/10/20

Quant Time: Aug 10 13:00:22 2020
Quant Method : M:\methods\SV14_080720.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Mon Aug 10 09:22:10 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Naphthalene-d8 (ISTD)	100.000	100.000	0.0	108	0.00
2	S	Nitrobenzene-d5 (Surr)	50.000	47.127	5.7	102	0.00
3	T	Decalin	50.000	43.576	12.8	106	0.00
4	T	Naphthalene	50.000	48.281	3.4	108	0.00
5	T	2-Methylnaphthalene	50.000	50.681	-1.4	105	0.00
6	T	1-Methylnaphthalene	50.000	50.028	-0.1	105	0.00
7	T	1,1'-Biphenyl	50.000	48.208	3.6	102	0.00
8	T	2,6-Dimethylnaphthalene	50.000	48.235	3.5	100	0.00
9	I	Acenaphthene-d10 (ISTD)	100.000	100.000	0.0	104	0.00
10	S	2-Fluorobiphenyl (Surr)	50.000	50.247	-0.5	100	0.00
11	T	Acenaphthylene	50.000	52.097	-4.2	104	0.00
12	T	Acenaphthene	50.000	49.583	0.8	103	0.00
13	T	Dibenzofuran	50.000	49.295	1.4	99	0.00
14	T	1,6,7-Trimethylnaphthalene	50.000	48.012	4.0	97	0.00
15	T	Fluorene	50.000	50.676	-1.4	101	0.00
16	I	Phenanthrene-d10 (ISTD)	100.000	100.000	0.0	104	0.00
17	S	2,4,6-Tribromophenol (Surr)	50.000	43.379	13.2	91	0.00
18	T	Pentachlorophenol (PCP)	50.000	42.038	15.9	86	0.00
19	T	Dibenzothiopene	50.000	47.268	5.5	97	0.00
20	T	Phenanthrene	50.000	49.220	1.6	103	0.00
21	T	Anthracene	50.000	52.836	-5.7	104	0.00
22	T	Carbazole	50.000	54.947	-9.9	99	0.00
23	T	1-Methylphenanthrene	50.000	50.291	-0.6	100	0.00
24	T	Fluoranthene	50.000	52.978	-6.0	106	0.00
25	I	Chrysene-d12 (ISTD)	100.000	100.000	0.0	102	0.00
26	T	Pyrene	50.000	51.172	-2.3	106	0.00
27	S	Terphenyl-d14 (Surr)	50.000	50.301	-0.6	100	0.00
28	T	Benz(a)anthracene	50.000	45.988	8.0	97	0.00
29	T	Chrysene	50.000	48.870	2.3	99	0.00

Data Path : M:\data\2020-08\0H07053\
Data File : N08072022.D
Acq On : 07 Aug 2020 11:23 pm
Operator : JK/ AMS/ DTH
Sample : 0H07053-ICV1
Misc : 1x, A20H138@50PPB
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 10 13:00:22 2020
Quant Method : M:\methods\SV14_080720.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Mon Aug 10 09:22:10 2020
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
30	I	Perylene-d12 (ISTD)	100.000	100.000	0.0	99	0.00
31	T	Benzo(b)fluoranthene	50.000	49.217	1.6	97	0.00
32	T	Benzo(k)fluoranthene	50.000	50.597	-1.2	97	0.00
33	T	Benzo(b+k)fluoranthene	100.000	100.350	-0.3	97	-0.06
34	T	Benzo(e)pyrene	50.000	48.283	3.4	95	0.00
35	T	Benzo(a)pyrene	50.000	56.591	-13.2	108	0.00
36	T	Perylene	50.000	48.448	3.1	94	0.00
37	I	Dibenz(a,h)Anthrcene-d14(IS	100.000	100.000	0.0	93	0.00
38	T	Indeno(1,2,3-cd)Pyrene	50.000	46.572	6.9	89	0.00
39	T	Dibenz(a,h)anthracene	50.000	49.152	1.7	94	0.00
40	T	Benzo(g,h,i)perylene	50.000	51.184	-2.4	94	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (Not Reviewed)

Data Path : M:\data\2020-08\0H07053\
Data File : N08072008.D
Acq On : 07 Aug 2020 03:49 pm
Operator : JK/ AMS/ DTH
Sample : 0H07053-TUN1
Misc : 1x, A20H065 DFTPP@45
ALS Vial : 1 Sample Multiplier: 1

JK 8/10/20

Quant Time: Aug 10 09:11:05 2020
Quant Method : M:\methods\DFTPP.M
Quant Title : 8270 DFTPP Tune Method
QLast Update : Fri Aug 07 10:05:11 2020
Response via : Initial Calibration

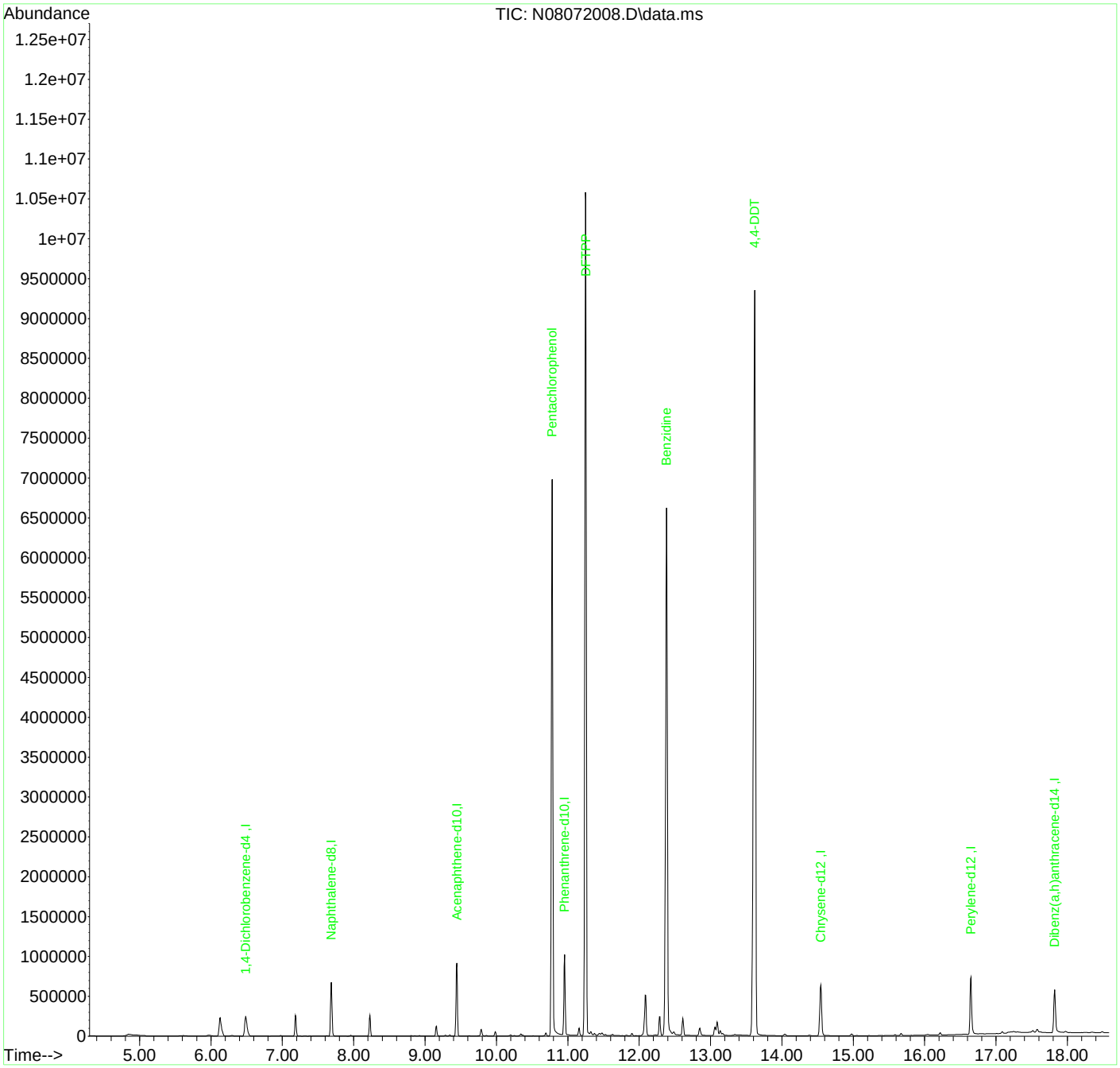
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.484	150	163773	2.00	ug/mL	0.00
2) Naphthalene-d8	7.685	136	475496	2.00	ug/mL	0.00
3) Acenaphthene-d10	9.445	162	281036	2.00	ug/mL	0.00
5) Phenanthrene-d10	10.955	188	535972	2.00	ug/mL	0.00
11) Chrysene-d12	14.545	240	459393	2.00	ug/mL	0.00
12) Perylene-d12	16.649	264	434984	2.00	ug/mL	0.00
13) Dibenz(a,h)anthracene-...	17.821	292	405964	2.00	ug/mL	# 0.00
Target Compounds						Qvalue
4) Pentachlorophenol	10.780	266	1448817	54.59	ug/mL	78
6) DFTPP	11.252	442	2832049	65.45	ug/mL#	59
7) Benzidine	12.383	184	5105310	26.78	ug/mL	96
8) 4,4-DDE	12.610	TIC	300849	No Calib		
9) 4,4-DDD	13.094	TIC	224952	No Calib		
10) 4,4-DDT	13.618	TIC	18783119	34.17	ug/mL	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : M:\data\2020-08\0H07053\
Data File : N08072008.D
Acq On : 07 Aug 2020 03:49 pm
Operator : JK/ AMS/ DTH
Sample : 0H07053-TUN1
Misc : 1x, A20H065 DFTPP@45
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 10 09:11:05 2020
Quant Method : M:\methods\DFTPP.M
Quant Title : 8270 DFTPP Tune Method
QLast Update : Fri Aug 07 10:05:11 2020
Response via : Initial Calibration

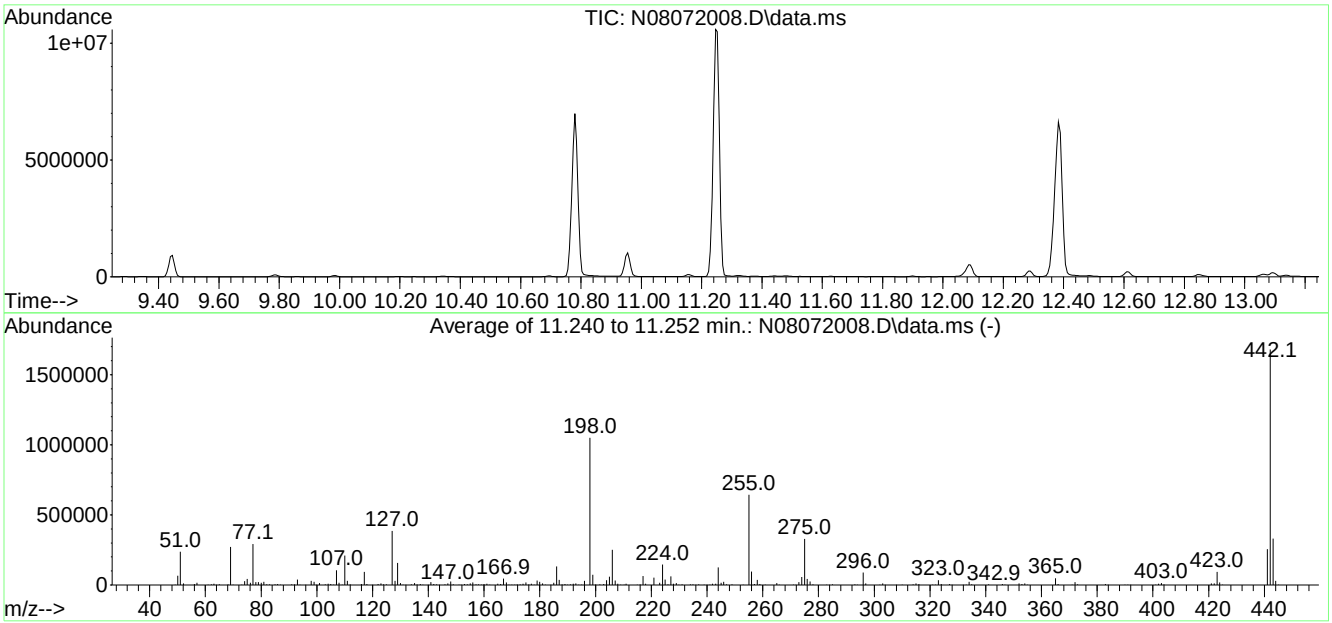


Data Path : M:\data\2020-08\0H07053\
Data File : N08072008.D
Acq On : 07 Aug 2020 03:49 pm
Operator : JK/ AMS/ DTH
Sample : 0H07053-TUN1
Misc : 1x, A20H065 DFTPP@45
ALS Vial : 1 Sample Multiplier: 1

JK 8/10/20

Integration File: rteint.p

Method : M:\methods\DFTPP.M
Title : 8270 DFTPP Tune Method
Last Update : Fri Aug 07 10:05:11 2020



AutoFind: Scans 1192, 1193, 1194; Background Corrected with Scan 1186

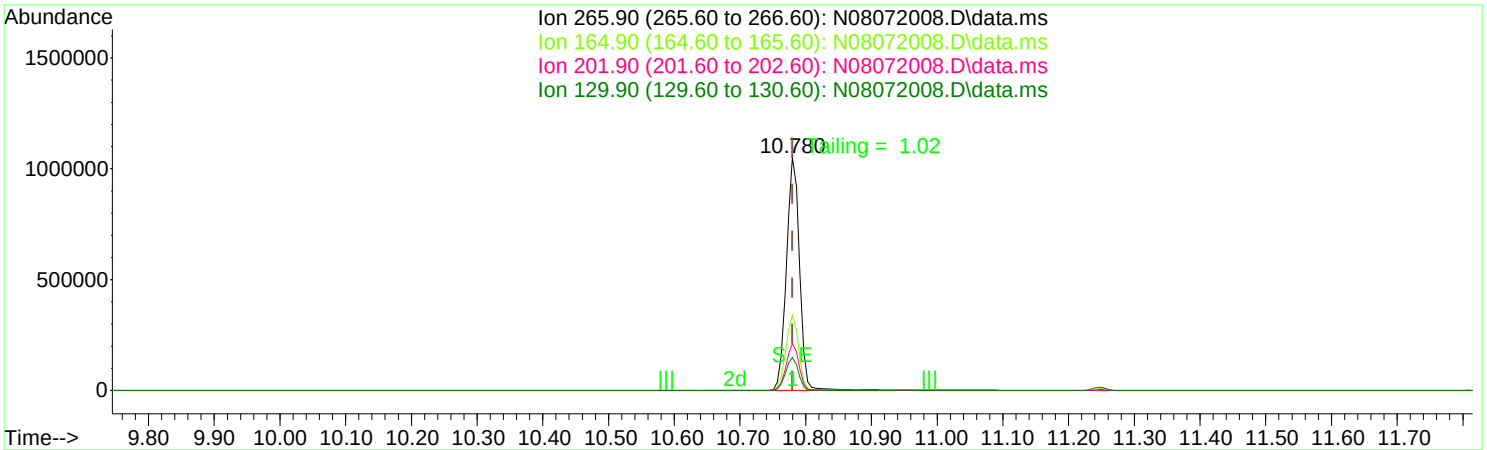
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.9	5279	PASS
69	69	100	100	100.0	272328	PASS
70	69	0.00	2	0.5	1310	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	1049408	PASS
199	198	5	9	6.9	72101	PASS
365	198	1	100	4.5	46976	PASS
441	443	0.01	150	77.1	255680	PASS
442	198	0.10	200	160.2	1680896	PASS
443	442	15	24	19.7	331605	PASS

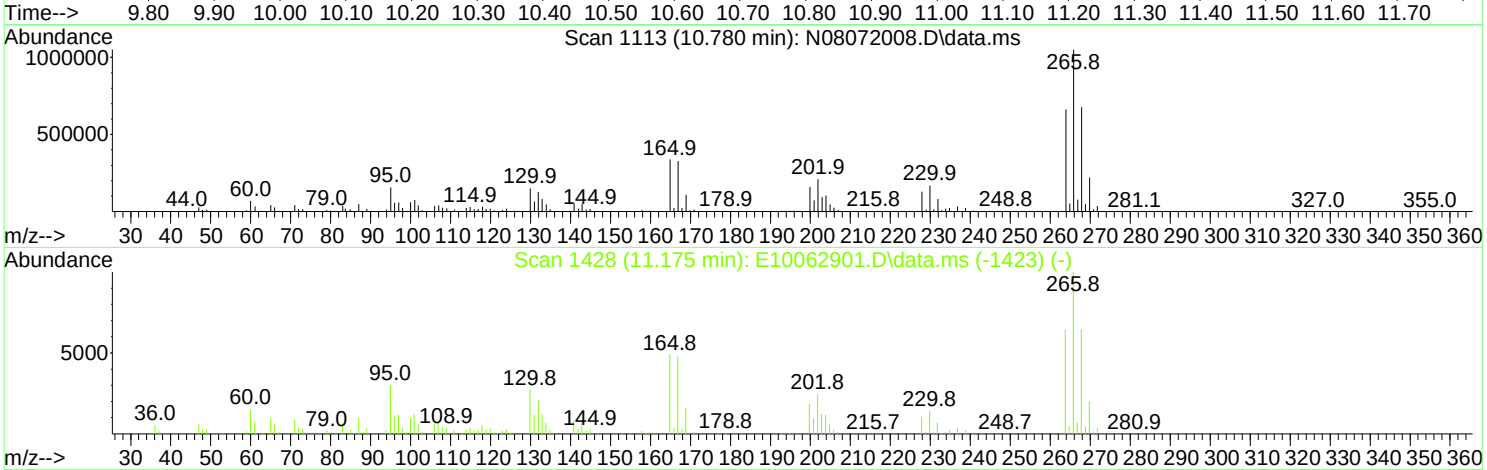
Quantitation Report (Qedit)

Data Path : M:\data\2020-08\0H07053\
Data File : N08072008.D
Acq On : 07 Aug 2020 03:49 pm
Operator : JK/ AMS/ DTH
Sample : 0H07053-TUN1
Misc : 1x, A20H065 DFTPP@45
ALS Vial : 1 Sample Multiplier: 1

JK 8/10/20

Quant Time: Aug 10 09:11:05 2020
Quant Method : M:\methods\DFTPP.M
Quant Title : 8270 DFTPP Tune Method
QLast Update : Fri Aug 07 10:05:11 2020
Response via : Initial Calibration





TIC: N08072008.D\data.ms

(4) Pentachlorophenol

10.780min (-0.000) 54.59 ug/mL

response 1448817

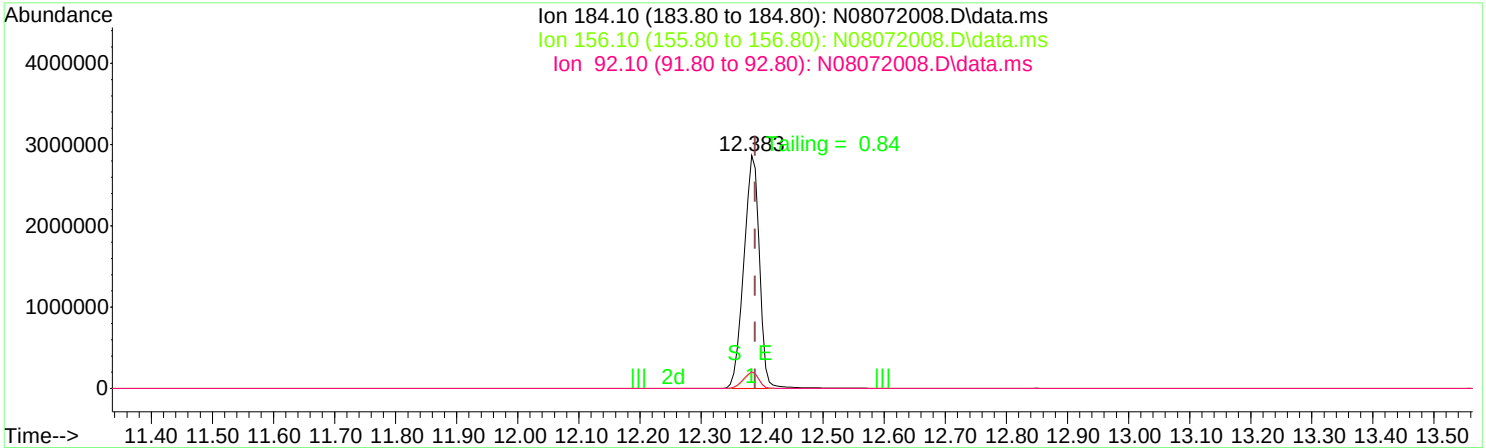
Ion	Exp%	Act%
265.90	100.00	100.00
164.90	50.60	32.20
201.90	25.80	20.03
129.90	27.30	14.24

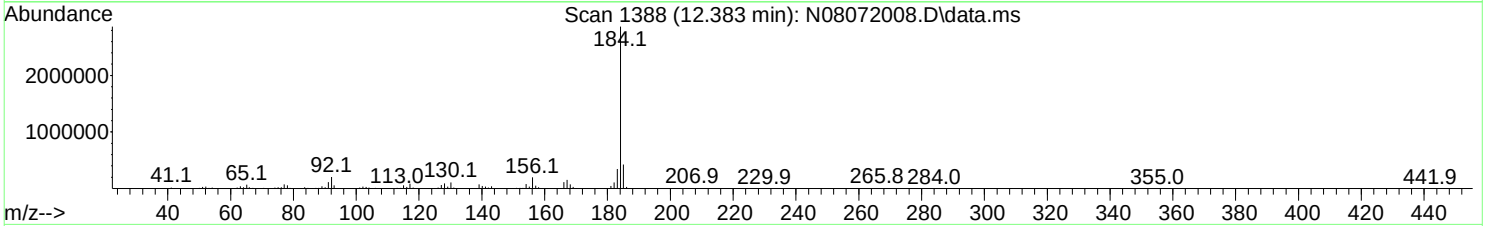
Quantitation Report (Qedit)

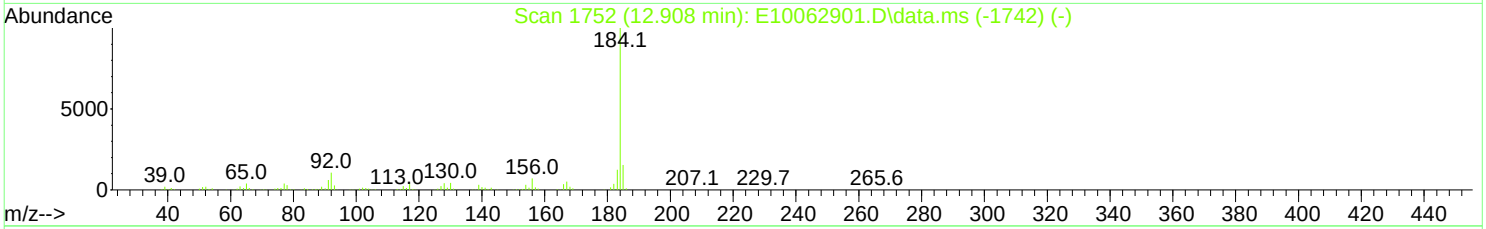
Data Path : M:\data\2020-08\0H07053\
Data File : N08072008.D
Acq On : 07 Aug 2020 03:49 pm
Operator : JK/ AMS/ DTH
Sample : 0H07053-TUN1
Misc : 1x, A20H065 DFTPP@45
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 10 09:11:05 2020
Quant Method : M:\methods\DFTPP.M
Quant Title : 8270 DFTPP Tune Method
QLast Update : Fri Aug 07 10:05:11 2020
Response via : Initial Calibration

JK 8/10/20







TIC: N08072008.D\data.ms

(7) Benzidine

12.383min (-0.006) 26.78 ug/mL

response 5105310

Ion	Exp%	Act%
184.10	100.00	100.00
156.10	8.50	6.84
92.10	8.20	7.13
0.00	0.00	0.00

DDT Breakdown Check (Validated 5/1/2013)

From:
0H07053-TUN1
SV-GCMS14

JK 8/10/20

First Column Area Counts		Percent Breakdown	
DDE	300849		
DDD	224952		
DDT	18783119	**2.72**	**PASS**

Breakdown must be less than 20% to accept sample data.

Quantitation Report (Not Reviewed)

Data Path : M:\data\2020-08\0H07053\
Data File : N08072009.D
Acq On : 07 Aug 2020 04:17 pm
Operator : JK/ AMS/ DTH
Sample : 0H07053-ICB1
Misc : 1x, DCM + ISTD
ALS Vial : 2 Sample Multiplier: 1

JK 8/10/20

Quant Time: Aug 10 09:16:01 2020
Quant Method : M:\methods\SV14_080720.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Mon Aug 10 09:15:49 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.738	136	228242	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.492	162	148452	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.996	188	270088	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	14.627	240	219016	100.00	ng/ml	0.00
30) Perylene-d12 (ISTD)	18.083	264	194197	100.00	ng/ml	0.00
37) Dibenz(a,h)Anthrcene-d...	20.461	292	172516	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.032	82	68	0.11	ng/ml	-0.02
10) 2-Fluorobiphenyl (Surr)	0.000	172	0	0.00	ng/ml	
17) 2,4,6-Tribromophenol (...	0.000	330	0	0.00	ng/ml	
27) Terphenyl-d14 (Surr)	12.727	244	58	0.03	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	0.000		0	N.D.		
4) Naphthalene	7.767	128	846	N.D.		
5) 2-Methylnaphthalene	0.000		0	N.D.		
6) 1-Methylnaphthalene	8.542	142	59	N.D.		
7) 1,1'-Biphenyl	8.909	154	411	N.D.		
8) 2,6-Dimethylnaphthalene	0.000		0	N.D.		
11) Acenaphthylene	9.346	152	91	N.D.		
12) Acenaphthene	0.000		0	N.D.		
13) Dibenzofuran	9.696	168	116	N.D.		
14) 1,6,7-Trimethylnaphtha...	0.000		0	N.D.		
15) Fluorene	10.046	166	67	N.D.		
18) Pentachlorophenol (PCP)	10.815	266	1622	31.24	ng/ml	95
19) Dibenzothiopene	10.891	184	158	N.D.		
20) Phenanthrene	11.019	178	375	N.D.		
21) Anthracene	11.066	178	58	N.D.		
22) Carbazole	11.241	167	119	N.D.		
23) 1-Methylphenanthrene	0.000		0	N.D.		
24) Fluoranthene	12.266	202	92	N.D.		
26) Pyrene	12.535	202	69	N.D.		
28) Benz(a)anthracene	14.627	228	552	N.D.		
29) Chrysene	14.627	228	542	N.D.		
31) Benzo(b)fluoranthene	0.000		0	N.D.		

Quantitation Report (Not Reviewed)

Data Path : M:\data\2020-08\0H07053\
Data File : N08072009.D
Acq On : 07 Aug 2020 04:17 pm
Operator : JK/ AMS/ DTH
Sample : 0H07053-ICB1
Misc : 1x, DCM + ISTD
ALS Vial : 2 Sample Multiplier: 1

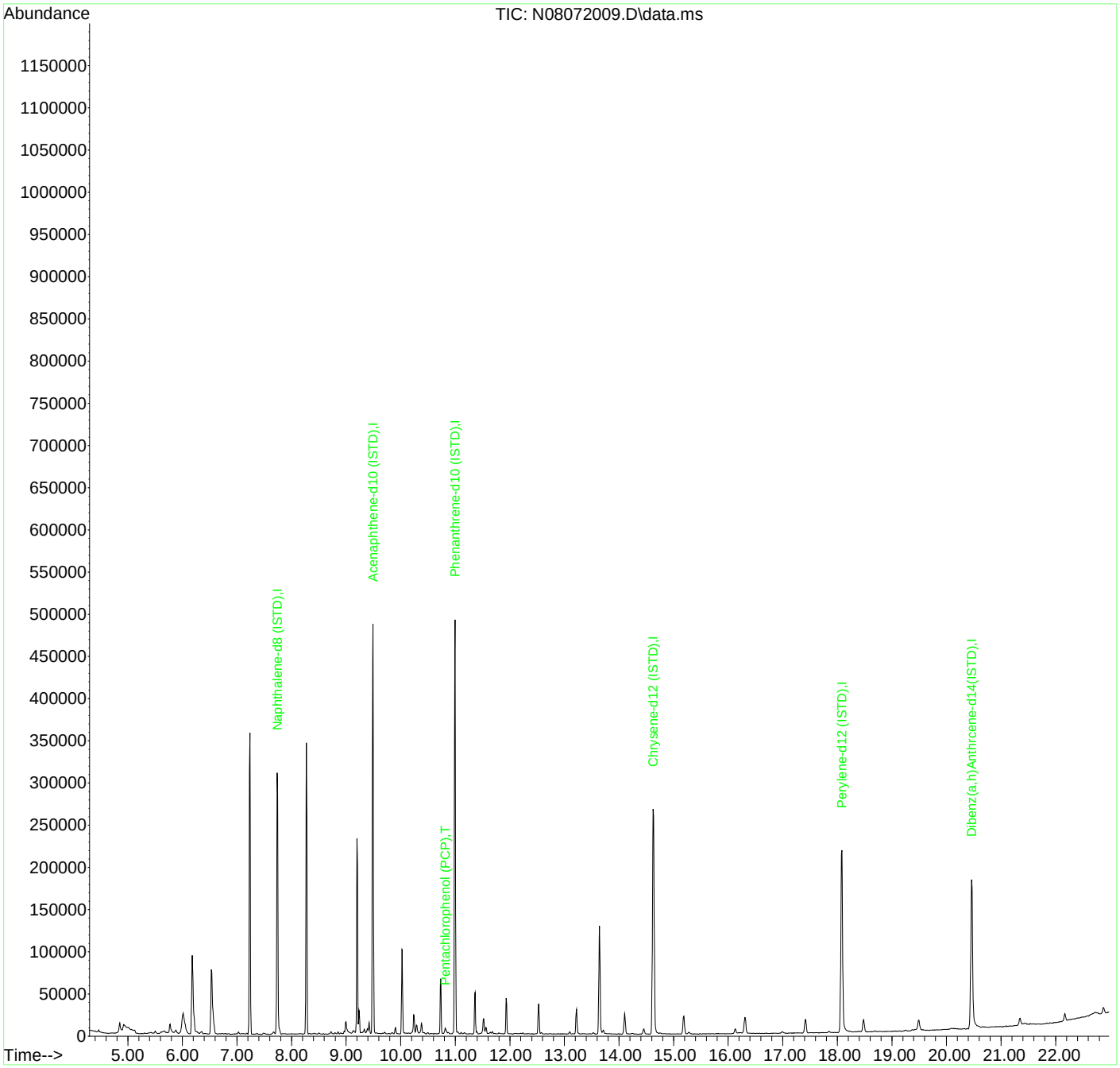
Quant Time: Aug 10 09:16:01 2020
Quant Method : M:\methods\SV14_080720.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Mon Aug 10 09:15:49 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
32) Benzo(k)fluoranthene	0.000		0	N.D.		
33) Benzo(b+k)fluoranthene	0.000		0	N.D.		
34) Benzo(e)pyrene	18.083	252	583	N.D.		
35) Benzo(a)pyrene	0.000		0	N.D.		
36) Perylene	18.124	252	53	N.D.		
38) Indeno(1,2,3-cd)Pyrene	20.467	276	121	N.D.		
39) Dibenz(a,h)anthracene	20.531	278	111	N.D.		
40) Benzo(g,h,i)perylene	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : M:\data\2020-08\0H07053\
Data File : N08072009.D
Acq On : 07 Aug 2020 04:17 pm
Operator : JK/ AMS/ DTH
Sample : 0H07053-ICB1
Misc : 1x, DCM + ISTD
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 10 09:16:01 2020
Quant Method : M:\methods\SV14_080720.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Mon Aug 10 09:15:49 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : M:\data\2020-08\0H07053\
Data File : N08072009.D
Acq On : 07 Aug 2020 04:17 pm
Operator : JK/ AMS/ DTH
Sample : 0H07053-ICB1
Misc : 1x, DCM + ISTD
ALS Vial : 2 Sample Multiplier: 1

JK 8/10/20

Final Requant

Quant Time: Aug 10 13:00:09 2020
Quant Method : M:\methods\SV14_080720.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Mon Aug 10 09:22:10 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.738	136	228242	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.492	162	148452	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.996	188	270088	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	14.627	240	219016	100.00	ng/ml	0.00
30) Perylene-d12 (ISTD)	18.083	264	194197	100.00	ng/ml	0.00
37) Dibenz(a,h)Anthrcene-d...	20.461	292	172516	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.032	82	68	0.11	ng/ml	-0.02
10) 2-Fluorobiphenyl (Surr)	0.000	172	0	0.00	ng/ml	
17) 2,4,6-Tribromophenol (...	0.000	330	0	0.00	ng/ml	
27) Terphenyl-d14 (Surr)	12.727	244	58	0.03	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	0.000		0	N.D.		
4) Naphthalene	7.767	128	846	N.D.		
5) 2-Methylnaphthalene	0.000		0	N.D.		
6) 1-Methylnaphthalene	8.542	142	59	N.D.		
7) 1,1'-Biphenyl	8.909	154	411	N.D.		
8) 2,6-Dimethylnaphthalene	0.000		0	N.D.		
11) Acenaphthylene	9.346	152	91	N.D.		
12) Acenaphthene	0.000		0	N.D.		
13) Dibenzofuran	9.696	168	116	N.D.		
14) 1,6,7-Trimethylnaphtha...	0.000		0	N.D.		
15) Fluorene	10.046	166	67	N.D.		
18) Pentachlorophenol (PCP)	10.815	266	1622	20.88	ng/ml	95
19) Dibenzothiopene	10.891	184	158	N.D.		
20) Phenanthrene	11.019	178	375	N.D.		
21) Anthracene	11.066	178	58	N.D.		
22) Carbazole	11.241	167	119	N.D.		
23) 1-Methylphenanthrene	0.000		0	N.D.		
24) Fluoranthene	12.266	202	92	N.D.		
26) Pyrene	12.535	202	69	N.D.		
28) Benz(a)anthracene	14.627	228	552	N.D.		
29) Chrysene	14.627	228	542	N.D.		
31) Benzo(b)fluoranthene	0.000		0	N.D.		

Data Path : M:\data\2020-08\0H07053\
Data File : N08072009.D
Acq On : 07 Aug 2020 04:17 pm
Operator : JK/ AMS/ DTH
Sample : 0H07053-ICB1
Misc : 1x, DCM + ISTD
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 10 13:00:09 2020
Quant Method : M:\methods\SV14_080720.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Mon Aug 10 09:22:10 2020
Response via : Initial Calibration

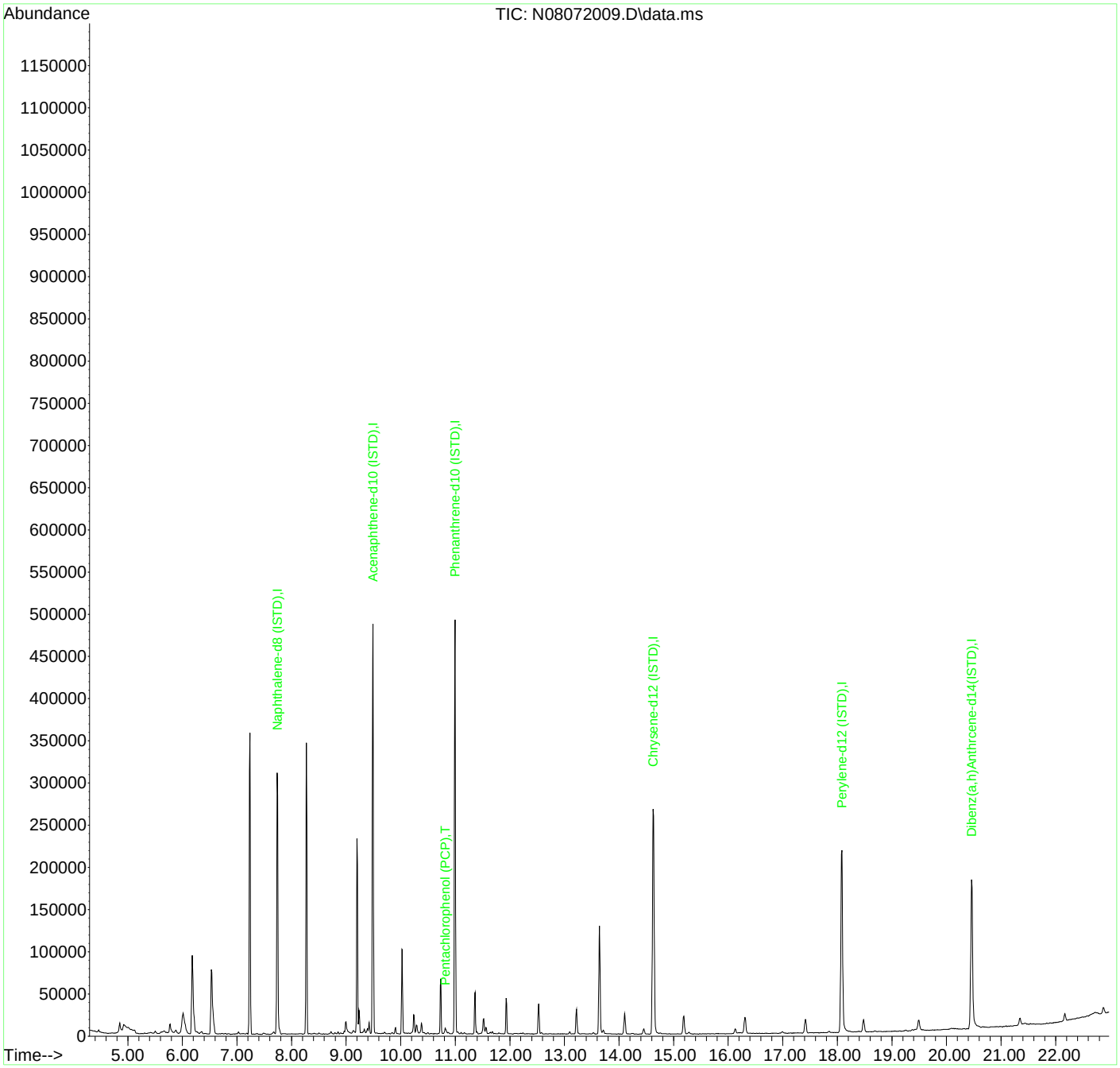
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
32) Benzo(k)fluoranthene	0.000		0		N.D.	
33) Benzo(b+k)fluoranthene	0.000		0		N.D.	
34) Benzo(e)pyrene	18.083	252	583		N.D.	
35) Benzo(a)pyrene	0.000		0		N.D.	
36) Perylene	18.124	252	53		N.D.	
38) Indeno(1,2,3-cd)Pyrene	20.467	276	121		N.D.	
39) Dibenz(a,h)anthracene	20.531	278	111		N.D.	
40) Benzo(g,h,i)perylene	0.000		0		N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : M:\data\2020-08\0H07053\
Data File : N08072009.D
Acq On : 07 Aug 2020 04:17 pm
Operator : JK/ AMS/ DTH
Sample : 0H07053-ICB1
Misc : 1x, DCM + ISTD
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 10 13:00:09 2020
Quant Method : M:\methods\SV14_080720.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Mon Aug 10 09:22:10 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : M:\data\2020-08\0H07053\
Data File : N08072010.D
Acq On : 07 Aug 2020 04:50 pm
Operator : JK/ AMS/ DTH
Sample : 0H07053-CAL1
Misc : 1x, A20H127@1PPB
ALS Vial : 3 Sample Multiplier: 1

JK 8/10/20

Quant Time: Aug 10 09:16:16 2020
Quant Method : M:\methods\SV14_080720.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Mon Aug 10 09:15:49 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.738	136	209647	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.492	162	135719	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.996	188	232658	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	14.627	240	186345	100.00	ng/ml	0.00
30) Perylene-d12 (ISTD)	18.078	264	165499	100.00	ng/ml	0.00
37) Dibenz(a,h)Anthrcene-d...	20.461	292	145171	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.050	82	636	1.12	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.804	172	1868	0.91	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	0.000	330	0	0.00	ng/ml	
27) Terphenyl-d14 (Surr)	12.727	244	1766	1.00	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	7.207	138	73	0.50	ng/ml#	25
4) Naphthalene	7.761	128	2500	1.18	ng/ml	99
5) 2-Methylnaphthalene	8.443	142	1415	1.04	ng/ml	94
6) 1-Methylnaphthalene	8.542	142	1486	1.02	ng/ml	92
7) 1,1'-Biphenyl	8.909	154	2062	1.10	ng/ml	95
8) 2,6-Dimethylnaphthalene	9.066	156	1406	1.10	ng/ml	94
11) Acenaphthylene	9.346	152	2000	0.85	ng/ml	94
12) Acenaphthene	9.521	153	1719	1.05	ng/ml	94
13) Dibenzofuran	9.696	168	2029	0.96	ng/ml	93
14) 1,6,7-Trimethylnaphtha...	9.906	170	1573	1.07	ng/ml	77
15) Fluorene	10.046	166	1639	1.02	ng/ml	99
18) Pentachlorophenol (PCP)	10.821	266	350	17.29	ng/ml	90
19) Dibenzothiopene	10.891	184	2158	0.95	ng/ml	95
20) Phenanthrene	11.019	178	2780	1.13	ng/ml	99
21) Anthracene	11.072	178	2020	0.99	ng/ml	97
22) Carbazole	11.241	167	1385	0.95	ng/ml	97
23) 1-Methylphenanthrene	11.643	192	1628	0.93	ng/ml	90
24) Fluoranthene	12.255	202	2457	0.97	ng/ml	95
26) Pyrene	12.535	202	2393	0.92	ng/ml	97
28) Benz(a)anthracene	14.610	228	2208	1.21	ng/ml	95
29) Chrysene	14.685	228	1956	1.02	ng/ml	96
31) Benzo(b)fluoranthene	17.174	252	1669	1.01	ng/ml	92

Data Path : M:\data\2020-08\0H07053\
Data File : N08072010.D
Acq On : 07 Aug 2020 04:50 pm
Operator : JK/ AMS/ DTH
Sample : 0H07053-CAL1
Misc : 1x, A20H127@1PPB
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 10 09:16:16 2020
Quant Method : M:\methods\SV14_080720.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Mon Aug 10 09:15:49 2020
Response via : Initial Calibration

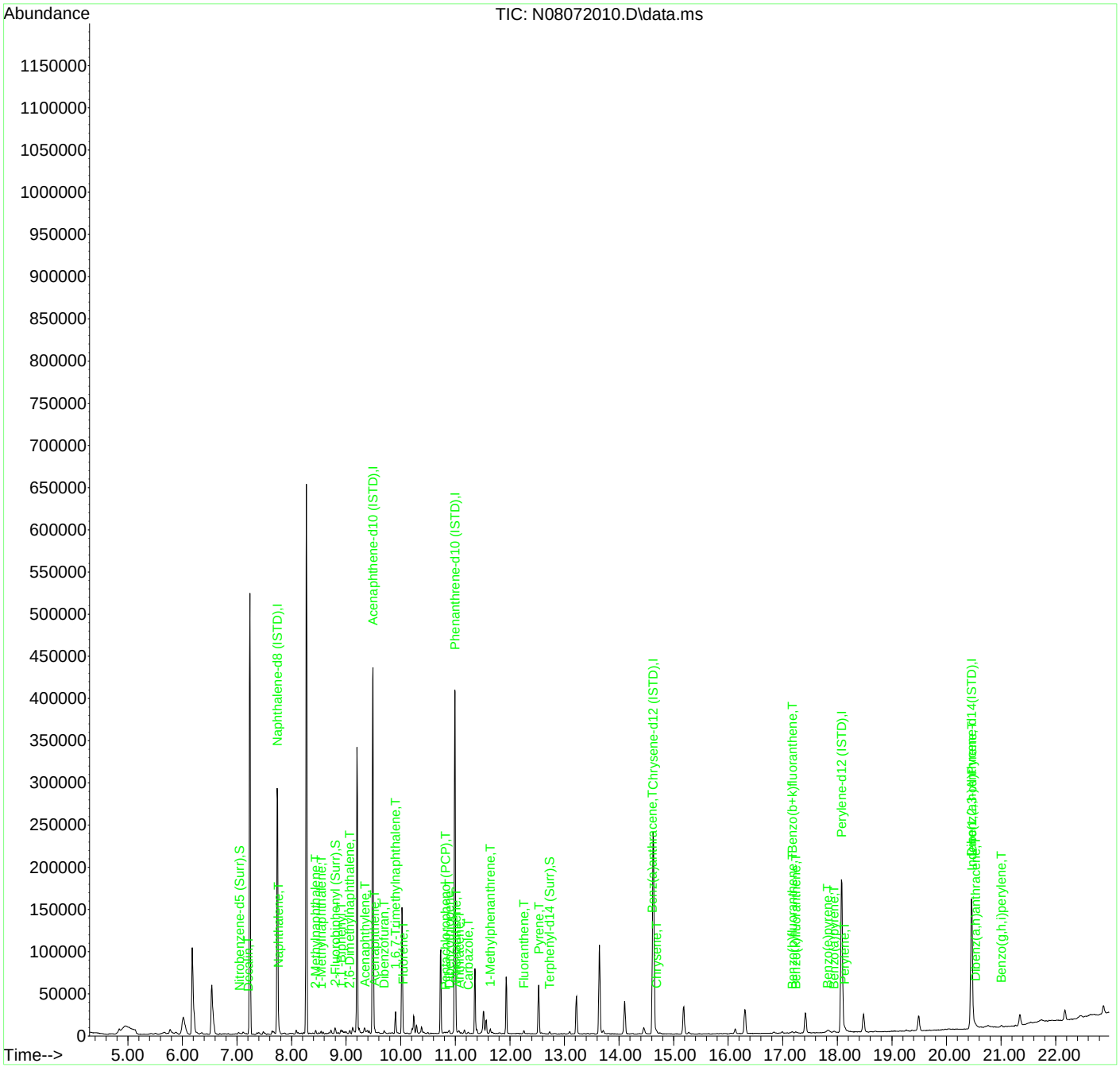
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
32) Benzo(k)fluoranthene	17.238	252	1533	0.97	ng/ml	89
33) Benzo(b+k)fluoranthene	17.174	252	3202	1.90	ng/ml	91
34) Benzo(e)pyrene	17.821	252	1561	0.93	ng/ml	97
35) Benzo(a)pyrene	17.938	252	1248	1.03	ng/ml	94
36) Perylene	18.136	252	1844	1.02	ng/ml	97
38) Indeno(1,2,3-cd)Pyrene	20.467	276	1534	0.97	ng/ml	100
39) Dibenz(a,h)anthracene	20.531	278	1542	1.00	ng/ml	82
40) Benzo(g,h,i)perylene	21.004	276	1456	0.89	ng/ml	82

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : M:\data\2020-08\0H07053\
Data File : N08072010.D
Acq On : 07 Aug 2020 04:50 pm
Operator : JK/ AMS/ DTH
Sample : 0H07053-CAL1
Misc : 1x, A20H127@1PPB
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 10 09:16:16 2020
Quant Method : M:\methods\SV14_080720.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Mon Aug 10 09:15:49 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : M:\data\2020-08\0H07053\
Data File : N08072011.D
Acq On : 07 Aug 2020 05:23 pm
Operator : JK/ AMS/ DTH
Sample : 0H07053-CAL2
Misc : 1x, A20H128@2PPB
ALS Vial : 4 Sample Multiplier: 1

JK 8/10/20

Quant Time: Aug 10 09:16:29 2020
Quant Method : M:\methods\SV14_080720.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Mon Aug 10 09:15:49 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.737	136	224491	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.492	162	140735	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.996	188	244122	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	14.627	240	211495	100.00	ng/ml	0.00
30) Perylene-d12 (ISTD)	18.077	264	193636	100.00	ng/ml	0.00
37) Dibenz(a,h)Anthrcene-d...	20.461	292	168561	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.050	82	1270	2.09	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.804	172	3920	1.84	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	10.296	330	534	3.11	ng/ml	0.00
27) Terphenyl-d14 (Surr)	12.727	244	3805	1.90	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	7.213	138	253	1.68	ng/ml	92
4) Naphthalene	7.761	128	4784	2.12	ng/ml	99
5) 2-Methylnaphthalene	8.443	142	3298	2.27	ng/ml	97
6) 1-Methylnaphthalene	8.542	142	3232	2.08	ng/ml	99
7) 1,1'-Biphenyl	8.909	154	4144	2.07	ng/ml	92
8) 2,6-Dimethylnaphthalene	9.066	156	2952	2.16	ng/ml	95
11) Acenaphthylene	9.346	152	4408	1.81	ng/ml	98
12) Acenaphthene	9.521	153	3546	2.08	ng/ml	94
13) Dibenzofuran	9.696	168	4184	1.91	ng/ml	95
14) 1,6,7-Trimethylnaphtha...	9.906	170	2991	1.96	ng/ml	89
15) Fluorene	10.046	166	3421	2.05	ng/ml	98
18) Pentachlorophenol (PCP)	10.821	266	248	15.68	ng/ml	78
19) Dibenzothiopene	10.891	184	4973	2.10	ng/ml	92
20) Phenanthrene	11.019	178	5605	2.16	ng/ml	99
21) Anthracene	11.071	178	4212	1.97	ng/ml	94
22) Carbazole	11.240	167	2808	1.83	ng/ml	99
23) 1-Methylphenanthrene	11.643	192	3946	2.14	ng/ml	95
24) Fluoranthene	12.260	202	5246	1.97	ng/ml	94
26) Pyrene	12.534	202	5435	1.84	ng/ml	96
28) Benz(a)anthracene	14.609	228	4545	2.19	ng/ml	95
29) Chrysene	14.685	228	4447	2.04	ng/ml	94
31) Benzo(b)fluoranthene	17.174	252	3889	2.01	ng/ml	93

Data Path : M:\data\2020-08\0H07053\
Data File : N08072011.D
Acq On : 07 Aug 2020 05:23 pm
Operator : JK/ AMS/ DTH
Sample : 0H07053-CAL2
Misc : 1x, A20H128@2PPB
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 10 09:16:29 2020
Quant Method : M:\methods\SV14_080720.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Mon Aug 10 09:15:49 2020
Response via : Initial Calibration

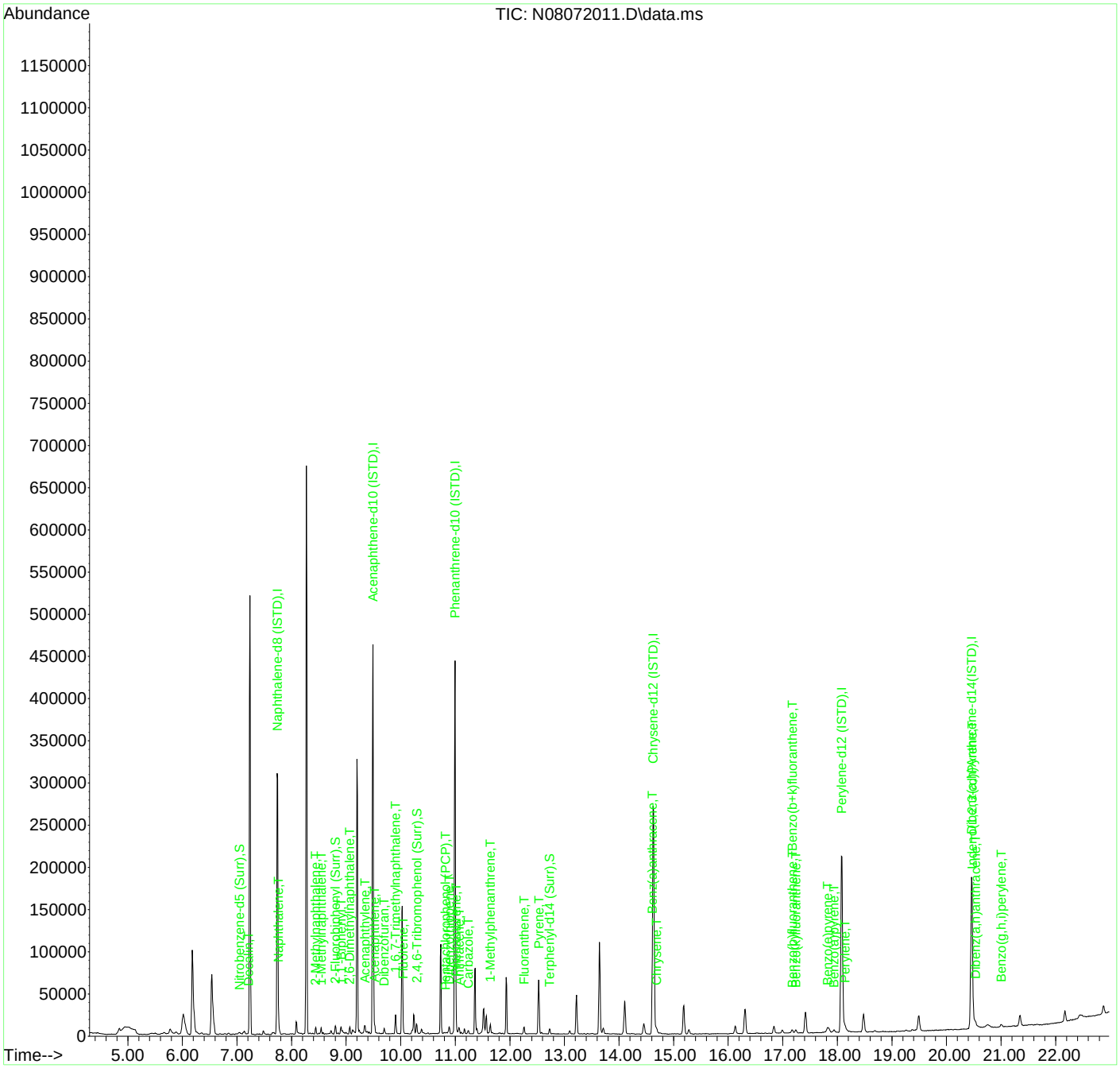
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
32) Benzo(k)fluoranthene	17.238	252	3308	1.78	ng/ml	88
33) Benzo(b+k)fluoranthene	17.174	252	7739	3.92	ng/ml	90
34) Benzo(e)pyrene	17.821	252	3634	1.84	ng/ml	96
35) Benzo(a)pyrene	17.937	252	2639	1.86	ng/ml	92
36) Perylene	18.141	252	4119	1.95	ng/ml	99
38) Indeno(1,2,3-cd)Pyrene	20.473	276	3539	1.94	ng/ml	78
39) Dibenz(a,h)anthracene	20.531	278	3567	1.99	ng/ml	81
40) Benzo(g,h,i)perylene	21.003	276	3455	1.82	ng/ml	76

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : M:\data\2020-08\0H07053\
Data File : N08072011.D
Acq On : 07 Aug 2020 05:23 pm
Operator : JK/ AMS/ DTH
Sample : 0H07053-CAL2
Misc : 1x, A20H128@2PPB
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 10 09:16:29 2020
Quant Method : M:\methods\SV14_080720.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Mon Aug 10 09:15:49 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : M:\data\2020-08\0H07053\
Data File : N08072012.D
Acq On : 07 Aug 2020 05:56 pm
Operator : JK/ AMS/ DTH
Sample : 0H07053-CAL3
Misc : 1x, A20H129@5PPB
ALS Vial : 5 Sample Multiplier: 1

JK 8/10/20

Quant Time: Aug 10 09:17:50 2020
Quant Method : M:\methods\SV14_080720.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Mon Aug 10 09:15:49 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.743	136	226097	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.492	162	144275	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.996	188	247788	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	14.627	240	202721	100.00	ng/ml	0.00
30) Perylene-d12 (ISTD)	18.083	264	184622	100.00	ng/ml	0.00
37) Dibenz(a,h)Anthrcene-d...	20.461	292	160255	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.050	82	2968	4.84	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.804	172	10278	4.72	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	10.296	330	1324	6.44	ng/ml	0.00
27) Terphenyl-d14 (Surr)	12.727	244	9780	5.09	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	7.213	138	681	4.34	ng/ml	76
4) Naphthalene	7.761	128	11565	5.08	ng/ml	97
5) 2-Methylnaphthalene	8.443	142	8315	5.68	ng/ml	97
6) 1-Methylnaphthalene	8.542	142	8413	5.36	ng/ml	97
7) 1,1'-Biphenyl	8.909	154	10169	5.03	ng/ml	94
8) 2,6-Dimethylnaphthalene	9.066	156	7473	5.43	ng/ml	96
11) Acenaphthylene	9.346	152	11485	4.61	ng/ml	98
12) Acenaphthene	9.521	153	9131	5.22	ng/ml	93
13) Dibenzofuran	9.696	168	10731	4.77	ng/ml	96
14) 1,6,7-Trimethylnaphtha...	9.906	170	7770	4.97	ng/ml	94
15) Fluorene	10.046	166	8551	4.99	ng/ml	98
18) Pentachlorophenol (PCP)	10.821	266	227	15.35	ng/ml	87
19) Dibenzothiopene	10.891	184	12260	5.09	ng/ml	92
20) Phenanthrene	11.019	178	13283	5.05	ng/ml	98
21) Anthracene	11.072	178	10318	4.74	ng/ml	98
22) Carbazole	11.235	167	7544	4.84	ng/ml	98
23) 1-Methylphenanthrene	11.643	192	9463	5.06	ng/ml	98
24) Fluoranthene	12.261	202	13102	4.85	ng/ml	94
26) Pyrene	12.535	202	13318	4.71	ng/ml	99
28) Benz(a)anthracene	14.610	228	9736	4.90	ng/ml	98
29) Chrysene	14.685	228	10771	5.16	ng/ml	95
31) Benzo(b)fluoranthene	17.174	252	8519	4.61	ng/ml	92

Quantitation Report (Not Reviewed)

Data Path : M:\data\2020-08\0H07053\
Data File : N08072012.D
Acq On : 07 Aug 2020 05:56 pm
Operator : JK/ AMS/ DTH
Sample : 0H07053-CAL3
Misc : 1x, A20H129@5PPB
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 10 09:17:50 2020
Quant Method : M:\methods\SV14_080720.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Mon Aug 10 09:15:49 2020
Response via : Initial Calibration

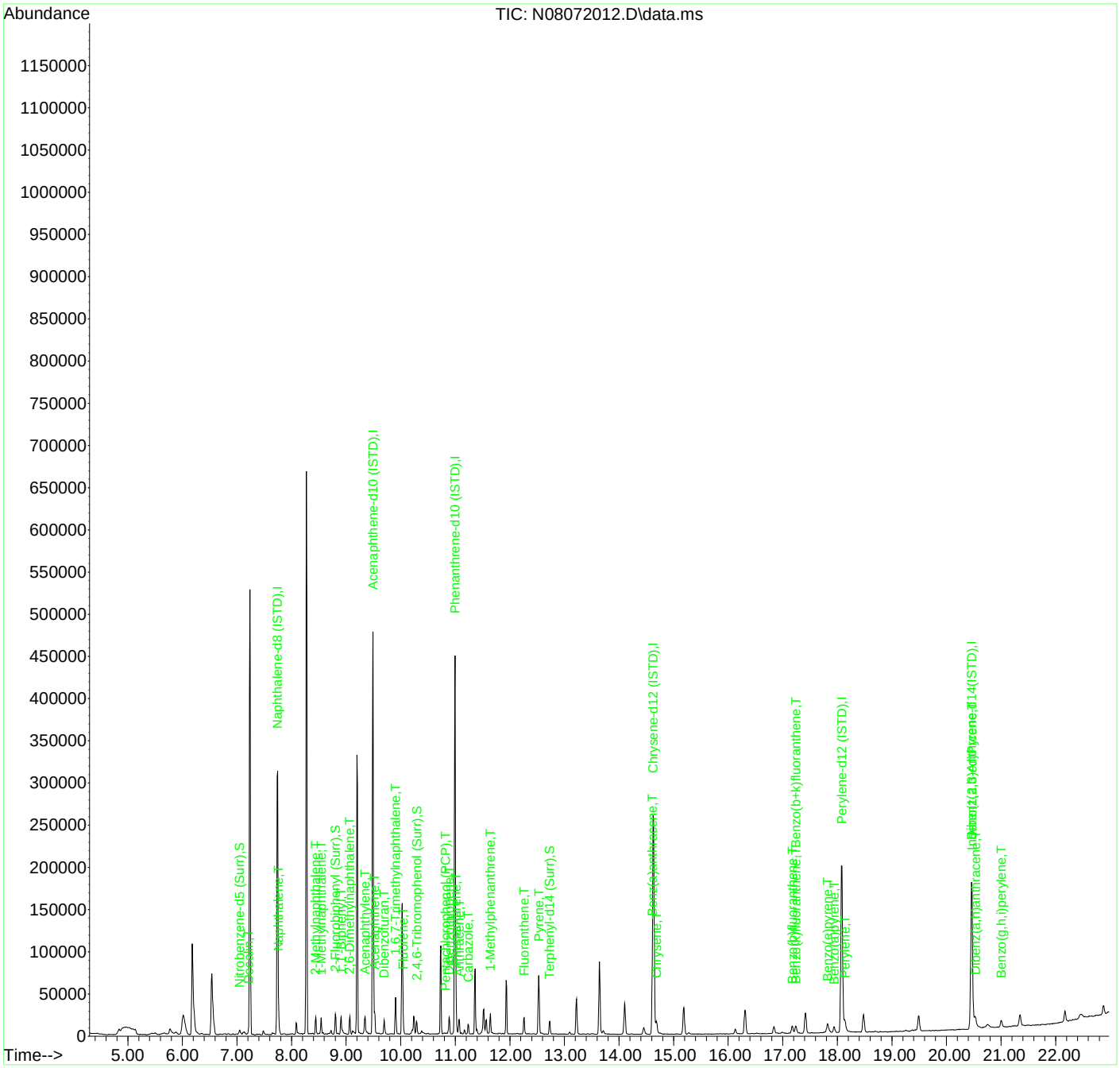
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
32) Benzo(k)fluoranthene	17.238	252	8476	4.79	ng/ml	90
33) Benzo(b+k)fluoranthene	17.238	252	18121	9.64	ng/ml	90
34) Benzo(e)pyrene	17.821	252	8909	4.74	ng/ml	95
35) Benzo(a)pyrene	17.943	252	5991	4.42	ng/ml	96
36) Perylene	18.142	252	9618	4.77	ng/ml	97
38) Indeno(1,2,3-cd)Pyrene	20.467	276	8352	4.81	ng/ml	77
39) Dibenz(a,h)anthracene	20.531	278	8113	4.77	ng/ml	77
40) Benzo(g,h,i)perylene	21.004	276	8033	4.44	ng/ml	74

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : M:\data\2020-08\0H07053\
Data File : N08072012.D
Acq On : 07 Aug 2020 05:56 pm
Operator : JK/ AMS/ DTH
Sample : 0H07053-CAL3
Misc : 1x, A20H129@5PPB
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 10 09:17:50 2020
Quant Method : M:\methods\SV14_080720.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Mon Aug 10 09:15:49 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : M:\data\2020-08\0H07053\
Data File : N08072013.D
Acq On : 07 Aug 2020 06:29 pm
Operator : JK/ AMS/ DTH
Sample : 0H07053-CAL4
Misc : 1x, A20H130@10PPB
ALS Vial : 6 Sample Multiplier: 1

JK 8/10/20

Quant Time: Aug 10 09:18:14 2020
Quant Method : M:\methods\SV14_080720.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Mon Aug 10 09:15:49 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.743	136	228032	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.492	162	141904	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.996	188	222500	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	14.627	240	140980	100.00	ng/ml	0.00
30) Perylene-d12 (ISTD)	18.077	264	123119	100.00	ng/ml	0.00
37) Dibenz(a,h)Anthrcene-d...	20.461	292	105945	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.055	82	5945	9.62	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.804	172	19786	9.23	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	10.296	330	1728	8.99	ng/ml	0.00
27) Terphenyl-d14 (Surr)	12.732	244	14134	10.57	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	7.213	138	1550	9.80	ng/ml#	77
4) Naphthalene	7.761	128	23497	10.24	ng/ml	100
5) 2-Methylnaphthalene	8.443	142	16041	10.87	ng/ml	97
6) 1-Methylnaphthalene	8.542	142	16943	10.71	ng/ml	96
7) 1,1'-Biphenyl	8.909	154	19096	9.37	ng/ml	95
8) 2,6-Dimethylnaphthalene	9.066	156	14151	10.20	ng/ml	97
11) Acenaphthylene	9.346	152	23907	9.76	ng/ml	97
12) Acenaphthene	9.521	153	16916	9.84	ng/ml	99
13) Dibenzofuran	9.696	168	19825	8.96	ng/ml	94
14) 1,6,7-Trimethylnaphtha...	9.906	170	15416	10.02	ng/ml	95
15) Fluorene	10.045	166	15667	9.29	ng/ml	99
18) Pentachlorophenol (PCP)	10.821	266	188	15.11	ng/ml	95
19) Dibenzothiopene	10.891	184	21254	9.83	ng/ml	93
20) Phenanthrene	11.019	178	23609	10.00	ng/ml	100
21) Anthracene	11.071	178	17244	8.83	ng/ml	100
22) Carbazole	11.235	167	11174	7.99	ng/ml	99
23) 1-Methylphenanthrene	11.643	192	16553	9.85	ng/ml	97
24) Fluoranthene	12.260	202	22749	9.37	ng/ml	94
26) Pyrene	12.534	202	23593	12.01	ng/ml	98
28) Benz(a)anthracene	14.609	228	13000	9.40	ng/ml	99
29) Chrysene	14.691	228	14280	9.83	ng/ml	100
31) Benzo(b)fluoranthene	17.174	252	12095	9.81	ng/ml	92

Quantitation Report (Not Reviewed)

Data Path : M:\data\2020-08\0H07053\
Data File : N08072013.D
Acq On : 07 Aug 2020 06:29 pm
Operator : JK/ AMS/ DTH
Sample : 0H07053-CAL4
Misc : 1x, A20H130@10PPB
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 10 09:18:14 2020
Quant Method : M:\methods\SV14_080720.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Mon Aug 10 09:15:49 2020
Response via : Initial Calibration

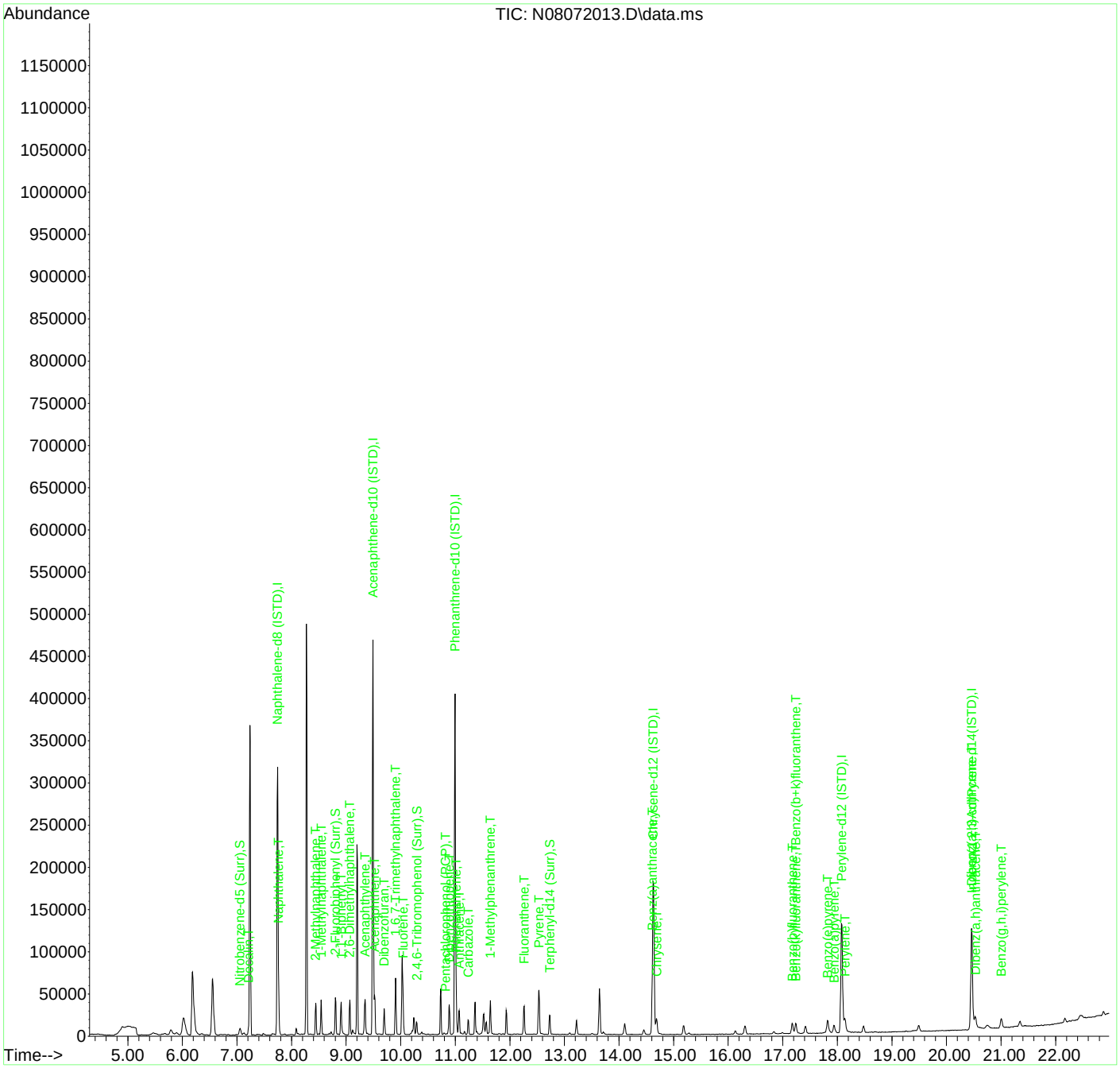
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
32) Benzo(k)fluoranthene	17.238	252	11317	9.58	ng/ml	91
33) Benzo(b+k)fluoranthene	17.238	252	24984	19.93	ng/ml	91
34) Benzo(e)pyrene	17.821	252	12447	9.93	ng/ml	95
35) Benzo(a)pyrene	17.943	252	8146	9.02	ng/ml	92
36) Perylene	18.141	252	13495	10.05	ng/ml	97
38) Indeno(1,2,3-cd)Pyrene	20.467	276	11197	9.75	ng/ml	77
39) Dibenz(a,h)anthracene	20.531	278	10692	9.50	ng/ml	82
40) Benzo(g,h,i)perylene	21.003	276	11076	9.26	ng/ml	74

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : M:\data\2020-08\0H07053\
Data File : N08072013.D
Acq On : 07 Aug 2020 06:29 pm
Operator : JK/ AMS/ DTH
Sample : 0H07053-CAL4
Misc : 1x, A20H130@10PPB
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 10 09:18:14 2020
Quant Method : M:\methods\SV14_080720.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Mon Aug 10 09:15:49 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : M:\data\2020-08\0H07053\
Data File : N08072014.D
Acq On : 07 Aug 2020 07:02 pm
Operator : JK/ AMS/ DTH
Sample : 0H07053-CAL5
Misc : 1x, A20H131@20PPB
ALS Vial : 7 Sample Multiplier: 1

JK 8/10/20

Quant Time: Aug 10 09:18:34 2020
Quant Method : M:\methods\SV14_080720.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Mon Aug 10 09:15:49 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.738	136	239716	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.492	162	155110	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.996	188	281843	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	14.627	240	240100	100.00	ng/ml	0.00
30) Perylene-d12 (ISTD)	18.083	264	217457	100.00	ng/ml	0.00
37) Dibenz(a,h)Anthrcene-d...	20.461	292	184403	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.050	82	13511	20.79	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.804	172	45285	19.33	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	10.296	330	6085	23.32	ng/ml	0.00
27) Terphenyl-d14 (Surr)	12.727	244	48455	21.28	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	7.213	138	2656	15.98	ng/ml	80
4) Naphthalene	7.761	128	49268	20.42	ng/ml	99
5) 2-Methylnaphthalene	8.443	142	36143	23.29	ng/ml	97
6) 1-Methylnaphthalene	8.542	142	36280	21.82	ng/ml	96
7) 1,1'-Biphenyl	8.909	154	45039	21.02	ng/ml	97
8) 2,6-Dimethylnaphthalene	9.066	156	33777	23.16	ng/ml	94
11) Acenaphthylene	9.346	152	52295	19.53	ng/ml	98
12) Acenaphthene	9.521	153	38339	20.40	ng/ml	99
13) Dibenzofuran	9.696	168	47868	19.79	ng/ml	93
14) 1,6,7-Trimethylnaphtha...	9.906	170	34865	20.73	ng/ml	98
15) Fluorene	10.046	166	38684	20.99	ng/ml	99
18) Pentachlorophenol (PCP)	10.821	266	1210	26.10	ng/ml	92
19) Dibenzothiopene	10.891	184	55397	20.22	ng/ml	93
20) Phenanthrene	11.019	178	60927	20.37	ng/ml	99
21) Anthracene	11.072	178	50995	20.61	ng/ml	98
22) Carbazole	11.235	167	40816	23.03	ng/ml	98
23) 1-Methylphenanthrene	11.643	192	44908	21.09	ng/ml	96
24) Fluoranthene	12.261	202	64074	20.84	ng/ml	94
26) Pyrene	12.535	202	65612	19.61	ng/ml	99
28) Benz(a)anthracene	14.610	228	46250	19.64	ng/ml	99
29) Chrysene	14.685	228	50228	20.31	ng/ml	99
31) Benzo(b)fluoranthene	17.174	252	44053	20.23	ng/ml	93

Data Path : M:\data\2020-08\0H07053\
Data File : N08072014.D
Acq On : 07 Aug 2020 07:02 pm
Operator : JK/ AMS/ DTH
Sample : 0H07053-CAL5
Misc : 1x, A20H131@20PPB
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 10 09:18:34 2020
Quant Method : M:\methods\SV14_080720.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Mon Aug 10 09:15:49 2020
Response via : Initial Calibration

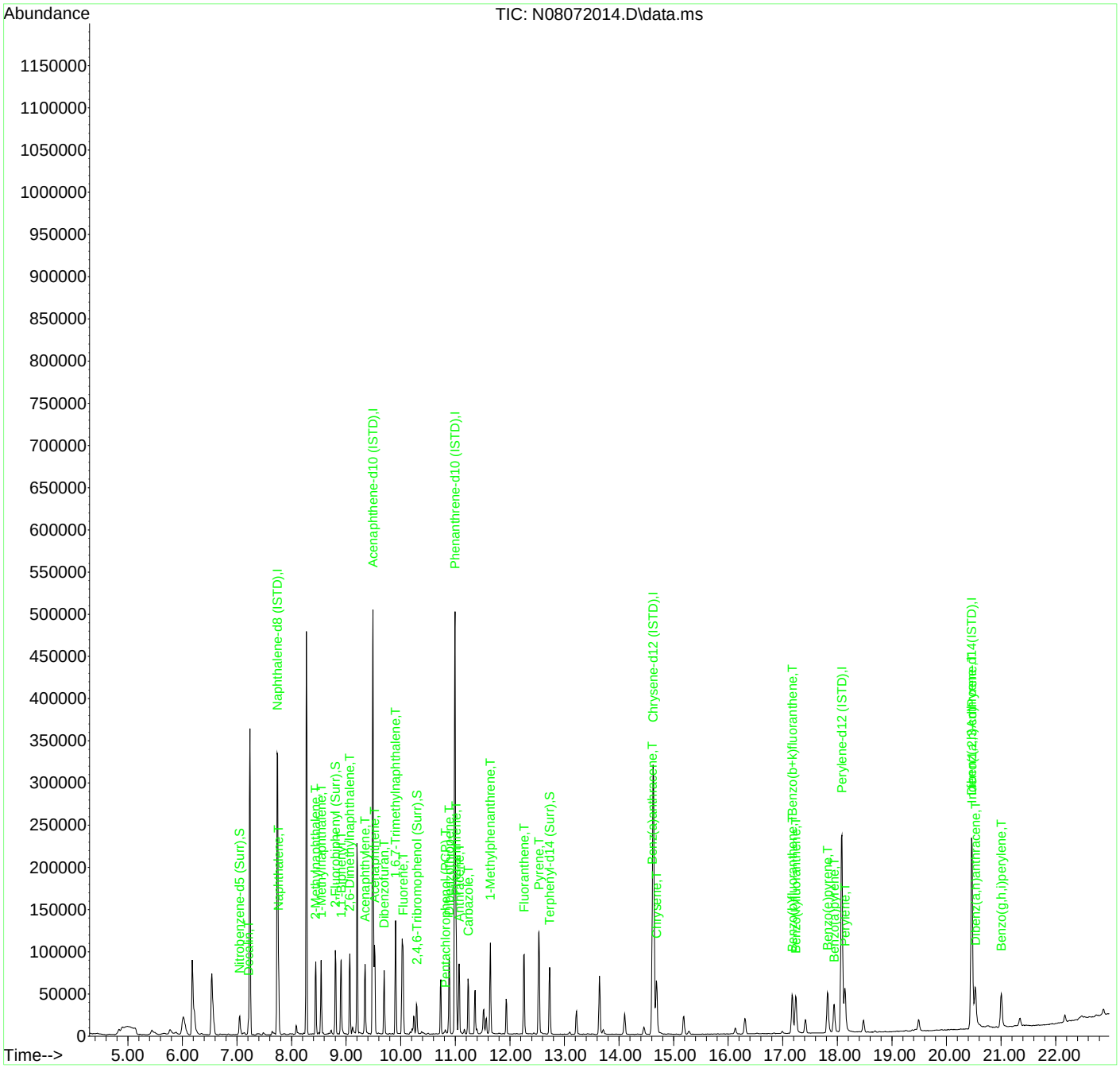
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
32) Benzo(k)fluoranthene	17.238	252	40858	19.58	ng/ml	90
33) Benzo(b+k)fluoranthene	17.174	252	89892	40.60	ng/ml	90
34) Benzo(e)pyrene	17.821	252	43548	19.67	ng/ml	96
35) Benzo(a)pyrene	17.944	252	31202	19.56	ng/ml	95
36) Perylene	18.142	252	49318	20.79	ng/ml	99
38) Indeno(1,2,3-cd)Pyrene	20.467	276	38988	19.50	ng/ml	75
39) Dibenz(a,h)anthracene	20.531	278	38552	19.68	ng/ml	78
40) Benzo(g,h,i)perylene	21.004	276	39660	19.06	ng/ml	78

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : M:\data\2020-08\0H07053\
Data File : N08072014.D
Acq On : 07 Aug 2020 07:02 pm
Operator : JK/ AMS/ DTH
Sample : 0H07053-CAL5
Misc : 1x, A20H131@20PPB
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 10 09:18:34 2020
Quant Method : M:\methods\SV14_080720.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Mon Aug 10 09:15:49 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : M:\data\2020-08\0H07053\
Data File : N08072015.D
Acq On : 07 Aug 2020 07:35 pm
Operator : JK/ AMS/ DTH
Sample : 0H07053-CAL6
Misc : 1x, A20H132@50PPB
ALS Vial : 8 Sample Multiplier: 1

JK 8/10/20

Quant Time: Aug 10 09:18:54 2020
Quant Method : M:\methods\SV14_080720.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Mon Aug 10 09:15:49 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.737	136	236348	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.492	162	157474	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.996	188	298143	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	14.633	240	273325	100.00	ng/ml	0.00
30) Perylene-d12 (ISTD)	18.083	264	253628	100.00	ng/ml	0.00
37) Dibenz(a,h)Anthrcene-d...	20.467	292	213890	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.050	82	33273	51.94	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.804	172	117511	49.41	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	10.296	330	17962	61.71	ng/ml	0.00
27) Terphenyl-d14 (Surr)	12.733	244	134305	51.82	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	7.213	138	6261	38.21	ng/ml	84
4) Naphthalene	7.761	128	118307	49.74	ng/ml	99
5) 2-Methylnaphthalene	8.443	142	92164	60.23	ng/ml	96
6) 1-Methylnaphthalene	8.542	142	90899	55.44	ng/ml	96
7) 1,1'-Biphenyl	8.909	154	115384	54.63	ng/ml	96
8) 2,6-Dimethylnaphthalene	9.066	156	85713	59.60	ng/ml	97
11) Acenaphthylene	9.346	152	138328	50.89	ng/ml	99
12) Acenaphthene	9.521	153	96981	50.82	ng/ml	100
13) Dibenzofuran	9.696	168	125884	51.26	ng/ml	93
14) 1,6,7-Trimethylnaphtha...	9.906	170	90118	52.79	ng/ml	99
15) Fluorene	10.046	166	102499	54.78	ng/ml	99
18) Pentachlorophenol (PCP)	10.815	266	6271	70.23	ng/ml	97
19) Dibenzothiopene	10.891	184	146072	50.40	ng/ml	93
20) Phenanthrene	11.019	178	160556	50.75	ng/ml	100
21) Anthracene	11.071	178	139978	53.48	ng/ml	99
22) Carbazole	11.235	167	113238	60.40	ng/ml	98
23) 1-Methylphenanthrene	11.643	192	121857	54.10	ng/ml	99
24) Fluoranthene	12.260	202	174353	53.61	ng/ml	95
26) Pyrene	12.534	202	179092	47.01	ng/ml	99
28) Benz(a)anthracene	14.609	228	131678	49.12	ng/ml	99
29) Chrysene	14.691	228	141380	50.21	ng/ml	99
31) Benzo(b)fluoranthene	17.174	252	128755	50.70	ng/ml	91

Quantitation Report (Not Reviewed)

Data Path : M:\data\2020-08\0H07053\
Data File : N08072015.D
Acq On : 07 Aug 2020 07:35 pm
Operator : JK/ AMS/ DTH
Sample : 0H07053-CAL6
Misc : 1x, A20H132@50PPB
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 10 09:18:54 2020
Quant Method : M:\methods\SV14_080720.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Mon Aug 10 09:15:49 2020
Response via : Initial Calibration

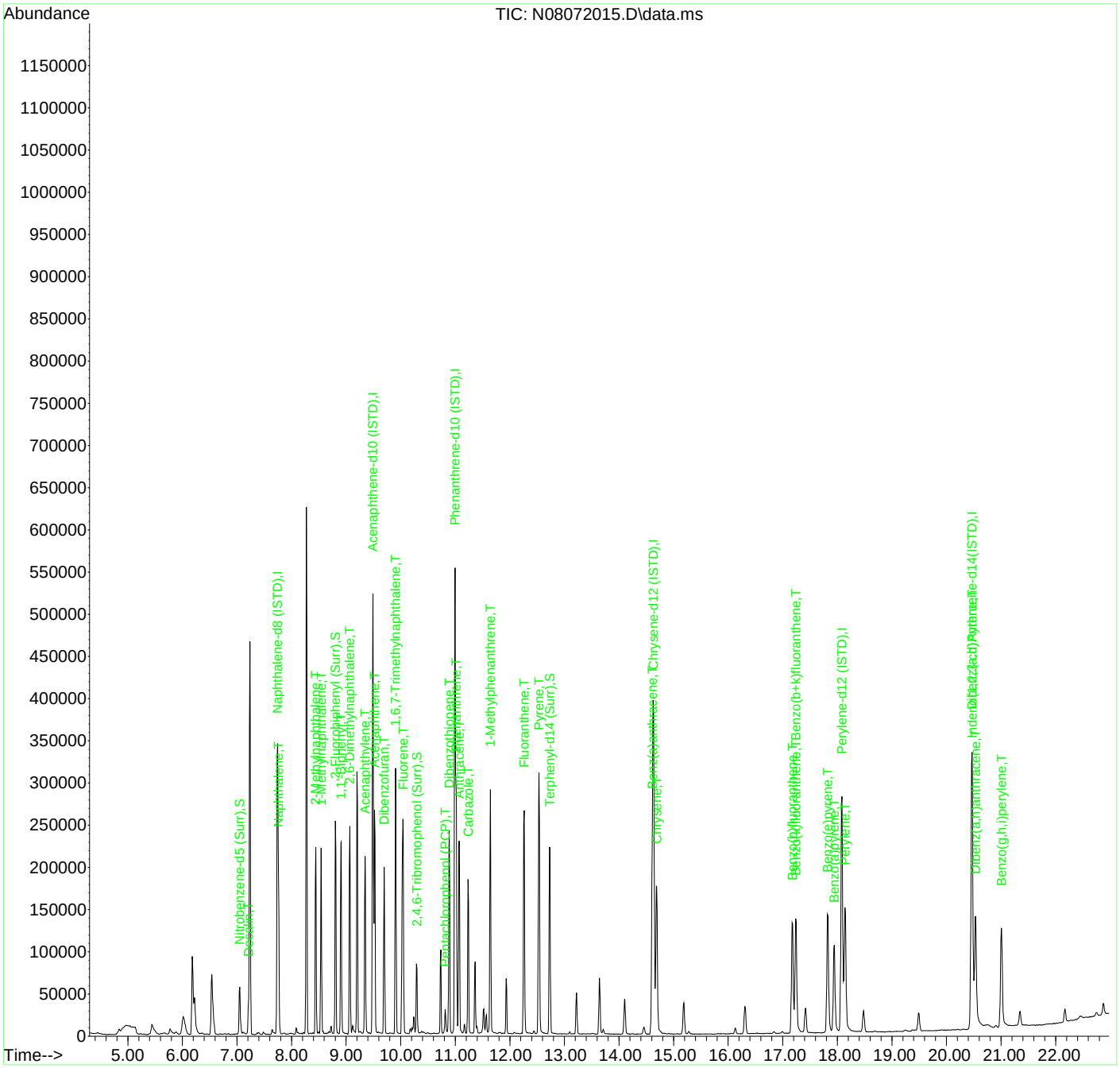
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
32) Benzo(k)fluoranthene	17.238	252	124775	51.28	ng/ml	90
33) Benzo(b+k)fluoranthene	17.238	252	266585	103.22	ng/ml	90
34) Benzo(e)pyrene	17.821	252	128664	49.82	ng/ml	96
35) Benzo(a)pyrene	17.943	252	95892	51.54	ng/ml	95
36) Perylene	18.141	252	141055	50.98	ng/ml	100
38) Indeno(1,2,3-cd)Pyrene	20.473	276	112418	48.48	ng/ml	75
39) Dibenz(a,h)anthracene	20.531	278	109524	48.21	ng/ml	79
40) Benzo(g,h,i)perylene	21.009	276	118269	49.00	ng/ml	74

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : M:\data\2020-08\0H07053\
Data File : N08072015.D
Acq On : 07 Aug 2020 07:35 pm
Operator : JK/ AMS/ DTH
Sample : 0H07053-CAL6
Misc : 1x, A20H132@50PPB
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 10 09:18:54 2020
Quant Method : M:\methods\SV14_080720.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Mon Aug 10 09:15:49 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : M:\data\2020-08\0H07053\
Data File : N08072016.D
Acq On : 07 Aug 2020 08:07 pm
Operator : JK/ AMS/ DTH
Sample : 0H07053-CAL7
Misc : 1x, A20H133@100PPB
ALS Vial : 9 Sample Multiplier: 1

JK 8/10/20

Quant Time: Aug 10 09:19:16 2020
Quant Method : M:\methods\SV14_080720.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Mon Aug 10 09:15:49 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.737	136	239628	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.492	162	160491	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.996	188	310167	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	14.633	240	274150	100.00	ng/ml	0.00
30) Perylene-d12 (ISTD)	18.083	264	244609	100.00	ng/ml	0.00
37) Dibenz(a,h)Anthrcene-d...	20.467	292	188292	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.044	82	67920	104.57	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.804	172	236184	97.44	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	10.290	330	39630	123.79	ng/ml	0.00
27) Terphenyl-d14 (Surr)	12.733	244	271448	104.42	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	7.213	138	14769	88.89	ng/ml	82
4) Naphthalene	7.761	128	240756	99.83	ng/ml	100
5) 2-Methylnaphthalene	8.443	142	187483	120.85	ng/ml	97
6) 1-Methylnaphthalene	8.542	142	184281	110.85	ng/ml	97
7) 1,1'-Biphenyl	8.903	154	237899	111.09	ng/ml	96
8) 2,6-Dimethylnaphthalene	9.066	156	177587	121.80	ng/ml	97
11) Acenaphthylene	9.346	152	287639	103.84	ng/ml	99
12) Acenaphthene	9.521	153	195700	100.63	ng/ml	100
13) Dibenzofuran	9.696	168	260342	104.01	ng/ml	94
14) 1,6,7-Trimethylnaphtha...	9.906	170	184644	106.12	ng/ml	99
15) Fluorene	10.046	166	216422	113.50	ng/ml	98
18) Pentachlorophenol (PCP)	10.815	266	16208	132.05	ng/ml	99
19) Dibenzothiopene	10.891	184	307072	101.84	ng/ml	93
20) Phenanthrene	11.019	178	331692	100.78	ng/ml	99
21) Anthracene	11.071	178	291014	106.87	ng/ml	99
22) Carbazole	11.235	167	221628	113.63	ng/ml	99
23) 1-Methylphenanthrene	11.643	192	251534	107.35	ng/ml	97
24) Fluoranthene	12.260	202	373192	110.30	ng/ml	95
26) Pyrene	12.534	202	385194	100.81	ng/ml	99
28) Benz(a)anthracene	14.609	228	263502	98.01	ng/ml	100
29) Chrysene	14.691	228	284963	100.89	ng/ml	99
31) Benzo(b)fluoranthene	17.180	252	256455	104.71	ng/ml	91

Quantitation Report (Not Reviewed)

Data Path : M:\data\2020-08\0H07053\
Data File : N08072016.D
Acq On : 07 Aug 2020 08:07 pm
Operator : JK/ AMS/ DTH
Sample : 0H07053-CAL7
Misc : 1x, A20H133@100PPB
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 10 09:19:16 2020
Quant Method : M:\methods\SV14_080720.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Mon Aug 10 09:15:49 2020
Response via : Initial Calibration

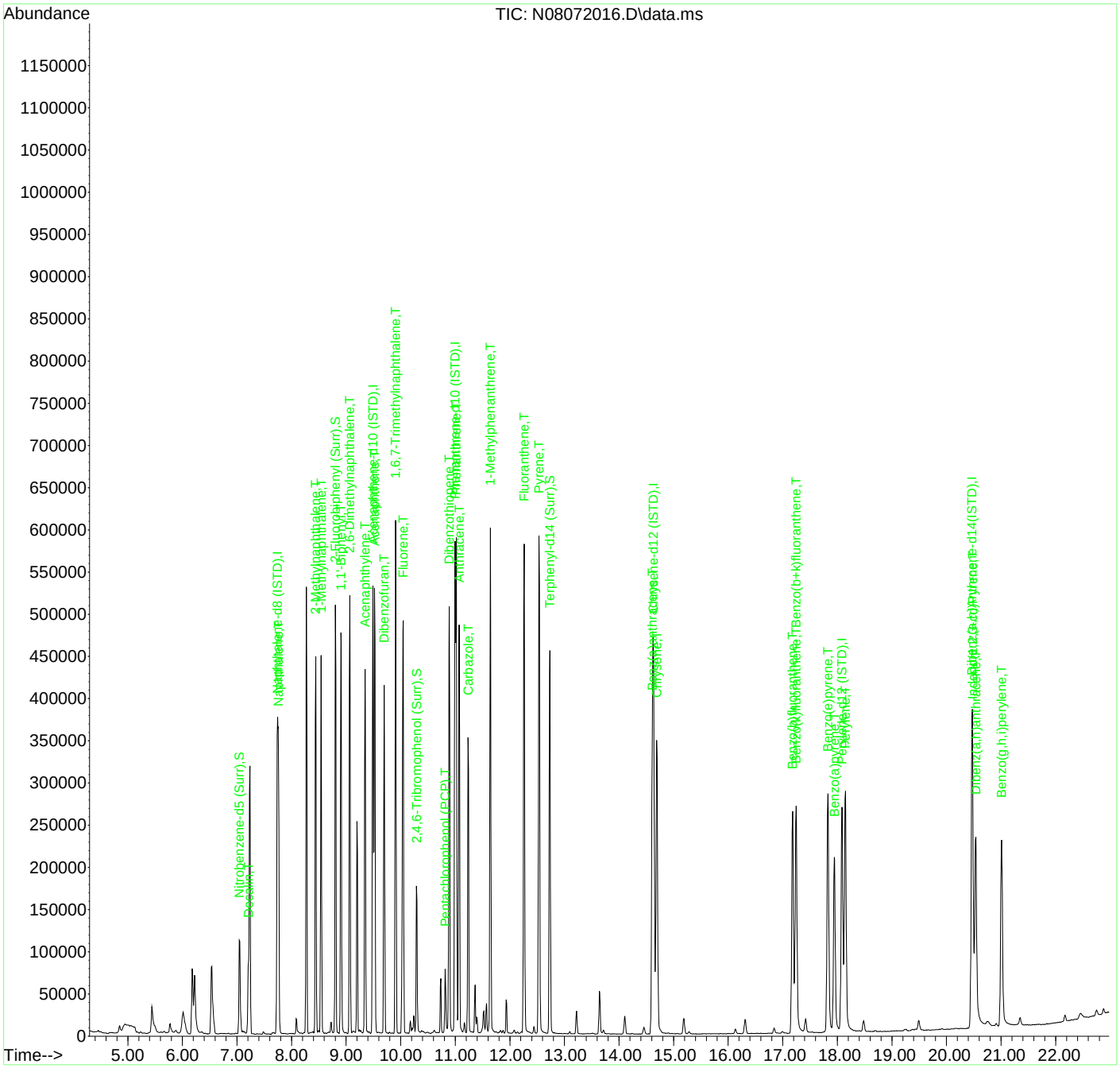
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
32) Benzo(k)fluoranthene	17.244	252	245178	104.47	ng/ml	90
33) Benzo(b+k)fluoranthene	17.244	252	524339	210.51	ng/ml	90
34) Benzo(e)pyrene	17.827	252	260007	104.40	ng/ml	97
35) Benzo(a)pyrene	17.949	252	190371	106.08	ng/ml	95
36) Perylene	18.147	252	269336	100.92	ng/ml	100
38) Indeno(1,2,3-cd)Pyrene	20.479	276	206306	101.07	ng/ml	74
39) Dibenz(a,h)anthracene	20.537	278	209030	104.53	ng/ml	78
40) Benzo(g,h,i)perylene	21.009	276	220629	103.83	ng/ml	76

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : M:\data\2020-08\0H07053\
Data File : N08072016.D
Acq On : 07 Aug 2020 08:07 pm
Operator : JK/ AMS/ DTH
Sample : 0H07053-CAL7
Misc : 1x, A20H133@100PPB
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 10 09:19:16 2020
Quant Method : M:\methods\SV14_080720.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Mon Aug 10 09:15:49 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : M:\data\2020-08\0H07053\
Data File : N08072017.D
Acq On : 07 Aug 2020 08:40 pm
Operator : JK/ AMS/ DTH
Sample : 0H07053-CAL8
Misc : 1x, A20H134@200PPB
ALS Vial : 10 Sample Multiplier: 1

JK 8/10/20

Quant Time: Aug 10 09:19:36 2020
Quant Method : M:\methods\SV14_080720.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Mon Aug 10 09:15:49 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.737	136	243956	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.492	162	162564	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.996	188	322378	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	14.639	240	313061	100.00	ng/ml	0.00
30) Perylene-d12 (ISTD)	18.089	264	283565	100.00	ng/ml	0.00
37) Dibenz(a,h)Anthrcene-d...	20.473	292	210998	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.044	82	137180	207.46	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.804	172	477028	194.30	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	10.290	330	84601	233.63	ng/ml	0.00
27) Terphenyl-d14 (Surr)	12.733	244	597044	201.11	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	7.213	138	28294	167.28	ng/ml	84
4) Naphthalene	7.761	128	479537	195.31	ng/ml	99
5) 2-Methylnaphthalene	8.443	142	380463	240.90	ng/ml	97
6) 1-Methylnaphthalene	8.542	142	372527	220.11	ng/ml	96
7) 1,1'-Biphenyl	8.909	154	482640	221.37	ng/ml	96
8) 2,6-Dimethylnaphthalene	9.066	156	361818	243.75	ng/ml	97
11) Acenaphthylene	9.346	152	586170	208.91	ng/ml	98
12) Acenaphthene	9.521	153	393259	199.64	ng/ml	100
13) Dibenzofuran	9.696	168	533541	210.45	ng/ml	93
14) 1,6,7-Trimethylnaphtha...	9.906	170	367505	208.52	ng/ml	98
15) Fluorene	10.046	166	435598	225.53	ng/ml	98
18) Pentachlorophenol (PCP)	10.815	266	46324	257.73	ng/ml	99
19) Dibenzothiopene	10.891	184	625695	199.64	ng/ml	94
20) Phenanthrene	11.019	178	677193	197.96	ng/ml	99
21) Anthracene	11.071	178	607405	214.60	ng/ml	99
22) Carbazole	11.235	167	471116	232.39	ng/ml	99
23) 1-Methylphenanthrene	11.643	192	518701	212.99	ng/ml	98
24) Fluoranthene	12.261	202	781297	222.17	ng/ml	95
26) Pyrene	12.540	202	799981	183.34	ng/ml	99
28) Benz(a)anthracene	14.615	228	608983	198.35	ng/ml	100
29) Chrysene	14.697	228	636457	197.33	ng/ml	100
31) Benzo(b)fluoranthene	17.186	252	597527	210.45	ng/ml	91

Quantitation Report (Not Reviewed)

Data Path : M:\data\2020-08\0H07053\
Data File : N08072017.D
Acq On : 07 Aug 2020 08:40 pm
Operator : JK/ AMS/ DTH
Sample : 0H07053-CAL8
Misc : 1x, A20H134@200PPB
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 10 09:19:36 2020
Quant Method : M:\methods\SV14_080720.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Mon Aug 10 09:15:49 2020
Response via : Initial Calibration

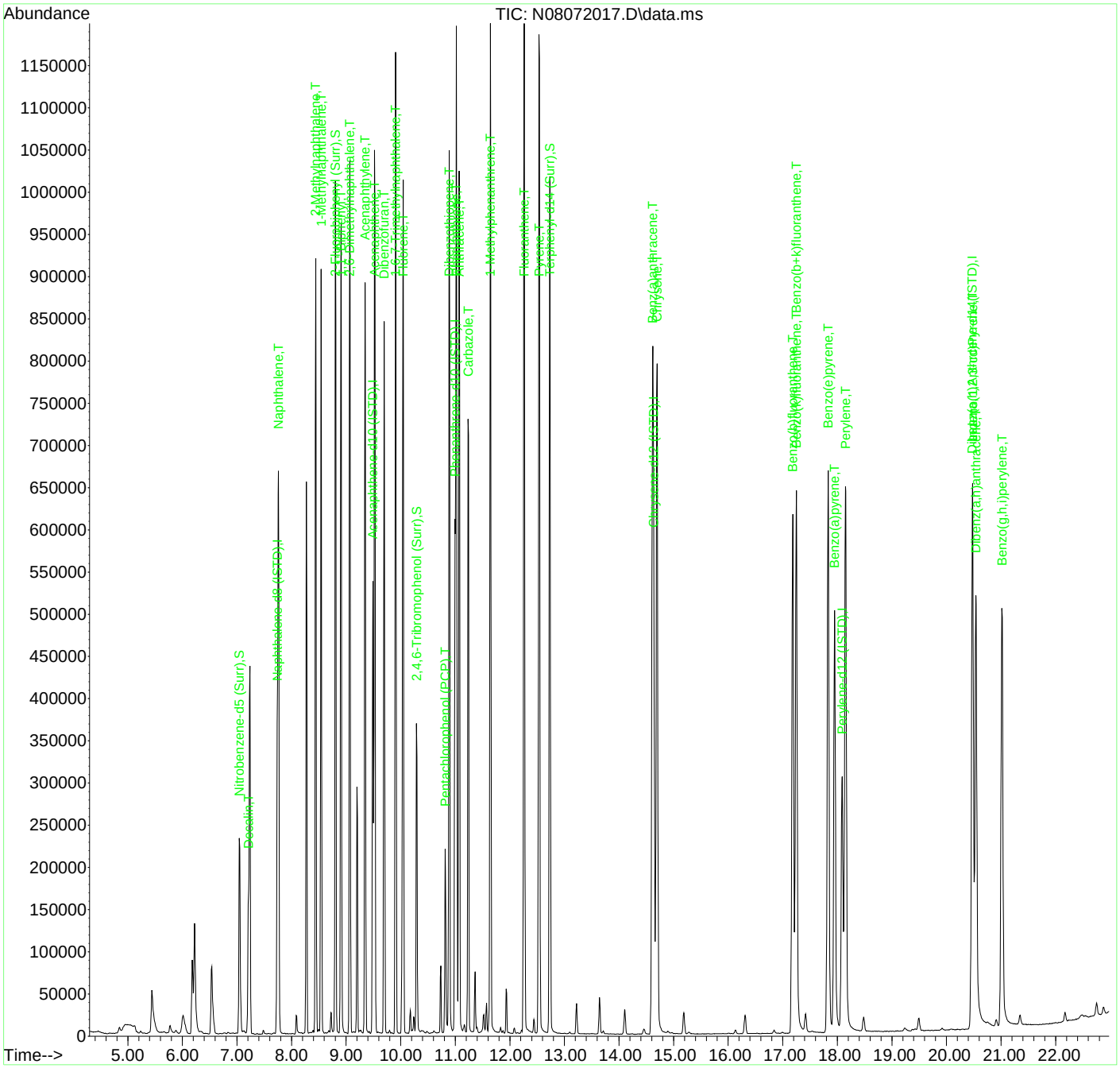
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
32) Benzo(k)fluoranthene	17.250	252	589910	216.84	ng/ml	91
33) Benzo(b+k)fluoranthene	17.250	252	1231095	426.35	ng/ml	91
34) Benzo(e)pyrene	17.833	252	611906	211.94	ng/ml	97
35) Benzo(a)pyrene	17.949	252	456627	219.50	ng/ml	96
36) Perylene	18.153	252	626652	202.56	ng/ml	99
38) Indeno(1,2,3-cd)Pyrene	20.479	276	476115	208.16	ng/ml	75
39) Dibenz(a,h)anthracene	20.537	278	473722	211.39	ng/ml	79
40) Benzo(g,h,i)perylene	21.015	276	511963	215.01	ng/ml	75

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : M:\data\2020-08\0H07053\
Data File : N08072017.D
Acq On : 07 Aug 2020 08:40 pm
Operator : JK/ AMS/ DTH
Sample : 0H07053-CAL8
Misc : 1x, A20H134@200PPB
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 10 09:19:36 2020
Quant Method : M:\methods\SV14_080720.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Mon Aug 10 09:15:49 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : M:\data\2020-08\0H07053\
Data File : N08072018.D
Acq On : 07 Aug 2020 09:12 pm
Operator : JK/ AMS/ DTH
Sample : 0H07053-CAL9
Misc : 1x, A20H135@400PPB
ALS Vial : 11 Sample Multiplier: 1

JK 8/10/20

Misinjection. Point excluded from calibration.

OK MKZ 8/14/2020

Quant Time: Aug 10 09:19:55 2020
Quant Method : M:\methods\SV14_080720.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Mon Aug 10 09:15:49 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.743	136	17104	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.492	162	4382	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.996	188	2318	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	14.633	240	1064	100.00	ng/ml	0.00
30) Perylene-d12 (ISTD)	18.077	264	928	100.00	ng/ml	0.00
37) Dibenz(a,h)Anthrcene-d...	20.461	292	858	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.050	82	14851	320.34	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.804	172	33043	499.31	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	10.290	330	701	263.51	ng/ml	0.00
27) Terphenyl-d14 (Surr)	12.732	244	5581	553.14	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	7.219	138	9026	761.12	ng/ml	86
4) Naphthalene	7.761	128	70590	410.08	ng/ml	100
5) 2-Methylnaphthalene	8.443	142	37012	334.25	ng/ml	96
6) 1-Methylnaphthalene	8.542	142	38595	325.26	ng/ml	97
7) 1,1'-Biphenyl	8.909	154	32027	209.52	ng/ml	97
8) 2,6-Dimethylnaphthalene	9.066	156	20523	197.20	ng/ml	98
11) Acenaphthylene	9.346	152	32891	434.88	ng/ml	99
12) Acenaphthene	9.521	153	21612	407.02	ng/ml	98
13) Dibenzofuran	9.696	168	20091	293.99	ng/ml	96
14) 1,6,7-Trimethylnaphtha...	9.906	170	11037	232.32	ng/ml	97
15) Fluorene	10.045	166	11678	224.30	ng/ml	97
18) Pentachlorophenol (PCP)	0.000		0	N.D.		
19) Dibenzothiopene	10.891	184	10590	469.93	ng/ml	93
20) Phenanthrene	11.019	178	9850	400.44	ng/ml	100
21) Anthracene	11.071	178	7326	359.98	ng/ml	100
22) Carbazole	11.240	167	4563	313.04	ng/ml	95
23) 1-Methylphenanthrene	11.643	192	5410	308.95	ng/ml	92
24) Fluoranthene	12.260	202	7012	277.31	ng/ml	95
26) Pyrene	12.534	202	6877	463.73	ng/ml	98
28) Benz(a)anthracene	14.609	228	4463	427.71	ng/ml	100
29) Chrysene	14.685	228	5012	457.22	ng/ml	96
31) Benzo(b)fluoranthene	17.174	252	4589	493.88	ng/ml	92

Data Path : M:\data\2020-08\0H07053\
Data File : N08072018.D
Acq On : 07 Aug 2020 09:12 pm
Operator : JK/ AMS/ DTH
Sample : 0H07053-CAL9
Misc : 1x, A20H135@400PPB
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 10 09:19:55 2020
Quant Method : M:\methods\SV14_080720.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Mon Aug 10 09:15:49 2020
Response via : Initial Calibration

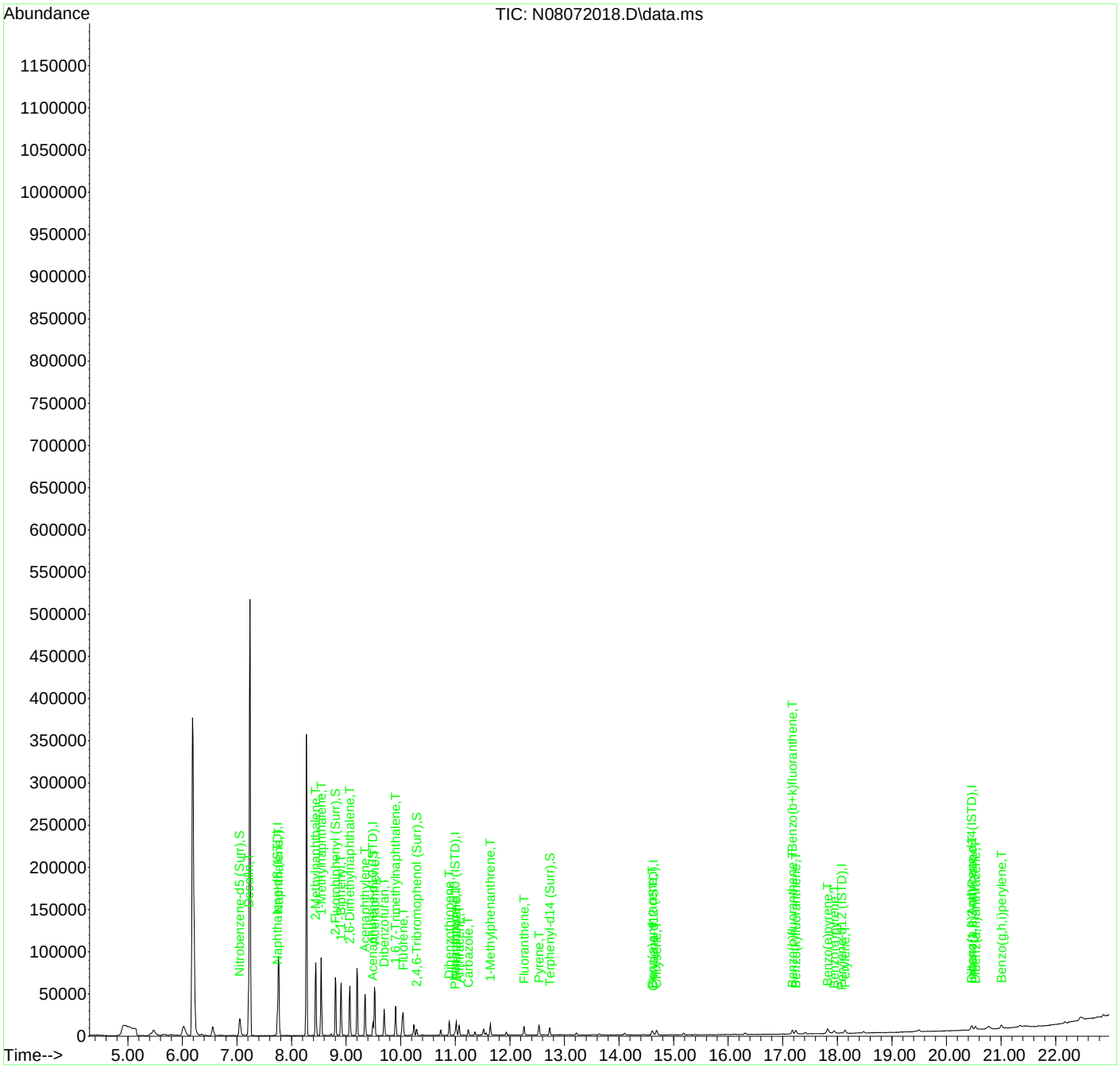
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
32) Benzo(k)fluoranthene	17.238	252	4168	468.14	ng/ml	87
33) Benzo(b+k)fluoranthene	17.174	252	9502	1005.54	ng/ml	90
34) Benzo(e)pyrene	17.821	252	4636	490.66	ng/ml	98
35) Benzo(a)pyrene	17.943	252	2895	425.23	ng/ml	91
36) Perylene	18.141	252	4009	395.97	ng/ml	98
38) Indeno(1,2,3-cd)Pyrene	20.473	276	3761	404.36	ng/ml	73
39) Dibenz(a,h)anthracene	20.531	278	4212	462.22	ng/ml	81
40) Benzo(g,h,i)perylene	21.009	276	4287	442.75	ng/ml	88

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : M:\data\2020-08\0H07053\
Data File : N08072018.D
Acq On : 07 Aug 2020 09:12 pm
Operator : JK/ AMS/ DTH
Sample : 0H07053-CAL9
Misc : 1x, A20H135@400PPB
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 10 09:19:55 2020
Quant Method : M:\methods\SV14_080720.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Mon Aug 10 09:15:49 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : M:\data\2020-08\0H07053\
Data File : N08072019.D
Acq On : 07 Aug 2020 09:45 pm
Operator : JK/ AMS/ DTH
Sample : 0H07053-CALA
Misc : 1x, A20H136@600PPB
ALS Vial : 12 Sample Multiplier: 1

JK 8/10/20

Quant Time: Aug 10 09:20:20 2020
Quant Method : M:\methods\SV14_080720.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Mon Aug 10 09:15:49 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.737	136	238642	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.492	162	167307	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.996	188	339435	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	14.650	240	360560	100.00	ng/ml	0.02
30) Perylene-d12 (ISTD)	18.101	264	340814	100.00	ng/ml	0.02
37) Dibenz(a,h)Anthrcene-d...	20.490	292	249015	100.00	ng/ml	0.02
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.044	82	406276	628.10	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.810	172	1394405	551.87	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	10.296	330	289654	600.83	ng/ml	0.00
27) Terphenyl-d14 (Surr)	12.738	244	1953505	571.35	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	7.213	138	89311	539.78	ng/ml	82
4) Naphthalene	7.761	128	1364884	568.29	ng/ml	99
5) 2-Methylnaphthalene	8.443	142	1097533	710.40	ng/ml	97
6) 1-Methylnaphthalene	8.542	142	1061181	640.98	ng/ml	97
7) 1,1'-Biphenyl	8.909	154	1430681	670.81	ng/ml	95
8) 2,6-Dimethylnaphthalene	9.072	156	1054857	726.45	ng/ml	97
11) Acenaphthylene	9.352	152	1737176	601.59	ng/ml	99
12) Acenaphthene	9.527	153	1146621	565.59	ng/ml	100
13) Dibenzofuran	9.702	168	1593927	610.88	ng/ml	94
14) 1,6,7-Trimethylnaphtha...	9.911	170	1064191	586.70	ng/ml	100
15) Fluorene	10.045	166	1277182	642.50	ng/ml	99
18) Pentachlorophenol (PCP)	10.821	266	209662	620.38	ng/ml	100
19) Dibenzothiopene	10.896	184	1885429	571.36	ng/ml	94
20) Phenanthrene	11.025	178	2010051	558.05	ng/ml	100
21) Anthracene	11.077	178	1864915	625.79	ng/ml	99
22) Carbazole	11.240	167	1466993	687.27	ng/ml	99
23) 1-Methylphenanthrene	11.648	192	1544611	602.38	ng/ml	97
24) Fluoranthene	12.266	202	2388152	644.98	ng/ml	94
26) Pyrene	12.546	202	2455254	488.57	ng/ml	99
28) Benz(a)anthracene	14.627	228	2152328	608.68	ng/ml	100
29) Chrysene	14.708	228	2128504	572.99	ng/ml	99
31) Benzo(b)fluoranthene	17.203	252	2203761	645.80	ng/ml	91

Quantitation Report (Not Reviewed)

Data Path : M:\data\2020-08\0H07053\
Data File : N08072019.D
Acq On : 07 Aug 2020 09:45 pm
Operator : JK/ AMS/ DTH
Sample : 0H07053-CALA
Misc : 1x, A20H136@600PPB
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 10 09:20:20 2020
Quant Method : M:\methods\SV14_080720.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Mon Aug 10 09:15:49 2020
Response via : Initial Calibration

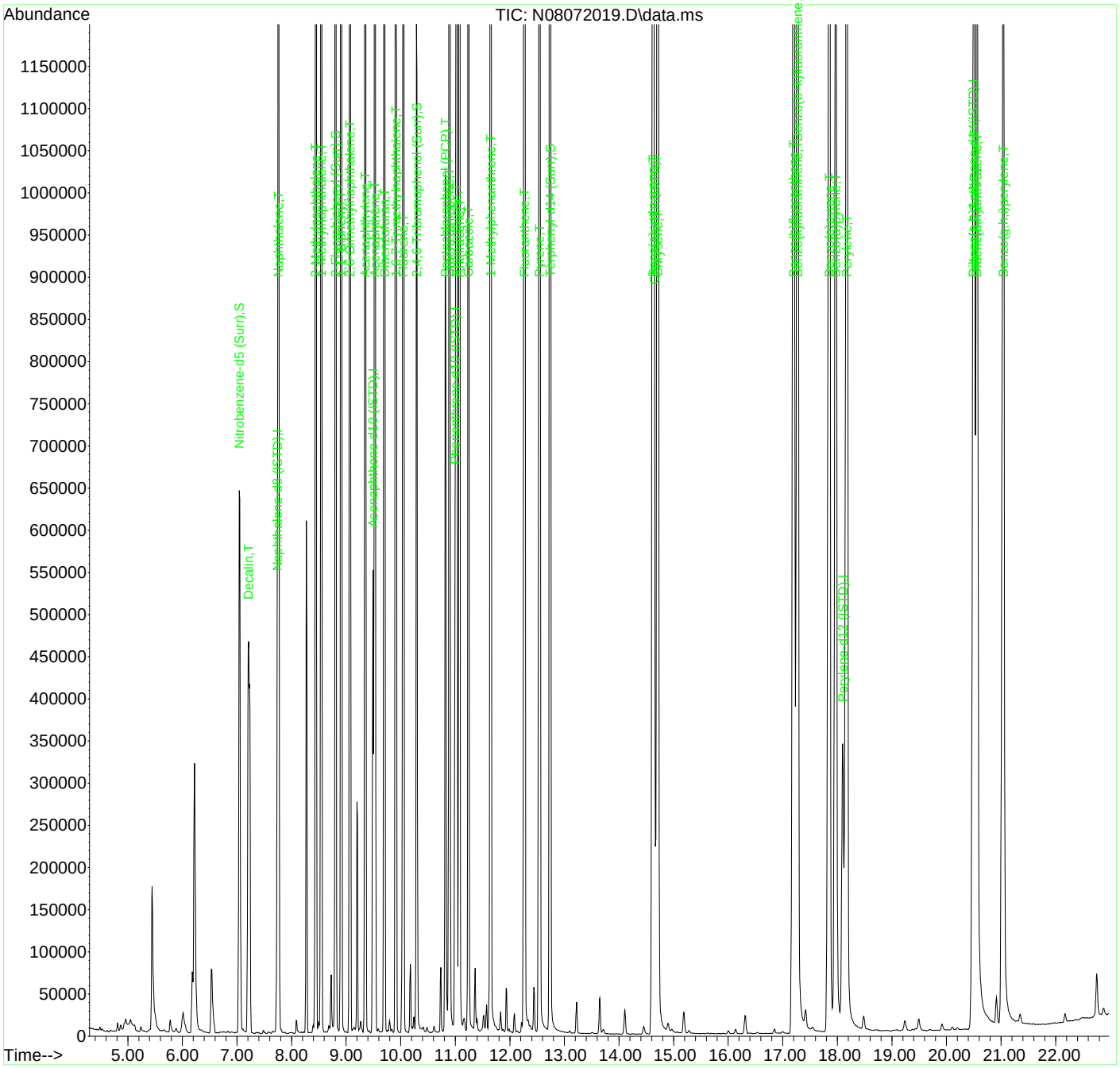
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
32) Benzo(k)fluoranthene	17.273	252	2097578	641.50	ng/ml	90
33) Benzo(b+k)fluoranthene	17.273	252	4430224	1276.55	ng/ml	90
34) Benzo(e)pyrene	17.856	252	2168307	624.86	ng/ml	97
35) Benzo(a)pyrene	17.972	252	1663091	665.16	ng/ml	95
36) Perylene	18.176	252	2159235	580.70	ng/ml	99
38) Indeno(1,2,3-cd)Pyrene	20.508	276	1715742	635.60	ng/ml	74
39) Dibenz(a,h)anthracene	20.560	278	1613131	609.95	ng/ml	78
40) Benzo(g,h,i)perylene	21.044	276	1802480	641.41	ng/ml	74

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : M:\data\2020-08\0H07053\
Data File : N08072019.D
Acq On : 07 Aug 2020 09:45 pm
Operator : JK/ AMS/ DTH
Sample : 0H07053-CALA
Misc : 1x, A20H136@600PPB
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 10 09:20:20 2020
Quant Method : M:\methods\SV14_080720.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Mon Aug 10 09:15:49 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : M:\data\2020-08\0H07053\
Data File : N08072022.D
Acq On : 07 Aug 2020 11:23 pm
Operator : JK/ AMS/ DTH
Sample : 0H07053-ICV1
Misc : 1x, A20H138@50PPB
ALS Vial : 13 Sample Multiplier: 1

JK 8/10/20

Quant Time: Aug 10 09:20:59 2020
Quant Method : M:\methods\SV14_080720.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Mon Aug 10 09:15:49 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.738	136	256281	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.492	162	163968	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.996	188	309949	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	14.633	240	277913	100.00	ng/ml	0.00
30) Perylene-d12 (ISTD)	18.083	264	249997	100.00	ng/ml	0.00
37) Dibenz(a,h)Anthrcene-d...	20.467	292	198562	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.050	82	33834	48.71	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.804	172	117801	47.57	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	10.291	330	16307	54.31	ng/ml	0.00
27) Terphenyl-d14 (Surr)	12.733	244	134405	51.00	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	7.213	138	6630	37.31	ng/ml	84
4) Naphthalene	7.761	128	127598	49.47	ng/ml	99
5) 2-Methylnaphthalene	8.443	142	96851	58.37	ng/ml	97
6) 1-Methylnaphthalene	8.542	142	95668	53.81	ng/ml	97
7) 1,1'-Biphenyl	8.909	154	117239	51.19	ng/ml	96
8) 2,6-Dimethylnaphthalene	9.066	156	85969	55.13	ng/ml	96
11) Acenaphthylene	9.346	152	143176	50.59	ng/ml	99
12) Acenaphthene	9.521	153	99574	50.12	ng/ml	99
13) Dibenzofuran	9.696	168	124467	48.67	ng/ml	93
14) 1,6,7-Trimethylnaphtha...	9.906	170	87424	49.18	ng/ml	100
15) Fluorene	10.046	166	103605	53.18	ng/ml	98
18) Pentachlorophenol (PCP)	10.815	266	5368	61.41	ng/ml	97
19) Dibenzothiopene	10.891	184	142269	47.21	ng/ml	94
20) Phenanthrene	11.019	178	165110	50.20	ng/ml	100
21) Anthracene	11.072	178	145176	53.35	ng/ml	99
22) Carbazole	11.235	167	112229	57.58	ng/ml	98
23) 1-Methylphenanthrene	11.643	192	121301	51.81	ng/ml	98
24) Fluoranthene	12.261	202	184354	54.53	ng/ml	95
26) Pyrene	12.535	202	190425	49.16	ng/ml	99
28) Benz(a)anthracene	14.610	228	127771	46.88	ng/ml	99
29) Chrysene	14.691	228	140295	49.00	ng/ml	99
31) Benzo(b)fluoranthene	17.180	252	124762	49.84	ng/ml	91

Data Path : M:\data\2020-08\0H07053\
Data File : N08072022.D
Acq On : 07 Aug 2020 11:23 pm
Operator : JK/ AMS/ DTH
Sample : 0H07053-ICV1
Misc : 1x, A20H138@50PPB
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 10 09:20:59 2020
Quant Method : M:\methods\SV14_080720.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Mon Aug 10 09:15:49 2020
Response via : Initial Calibration

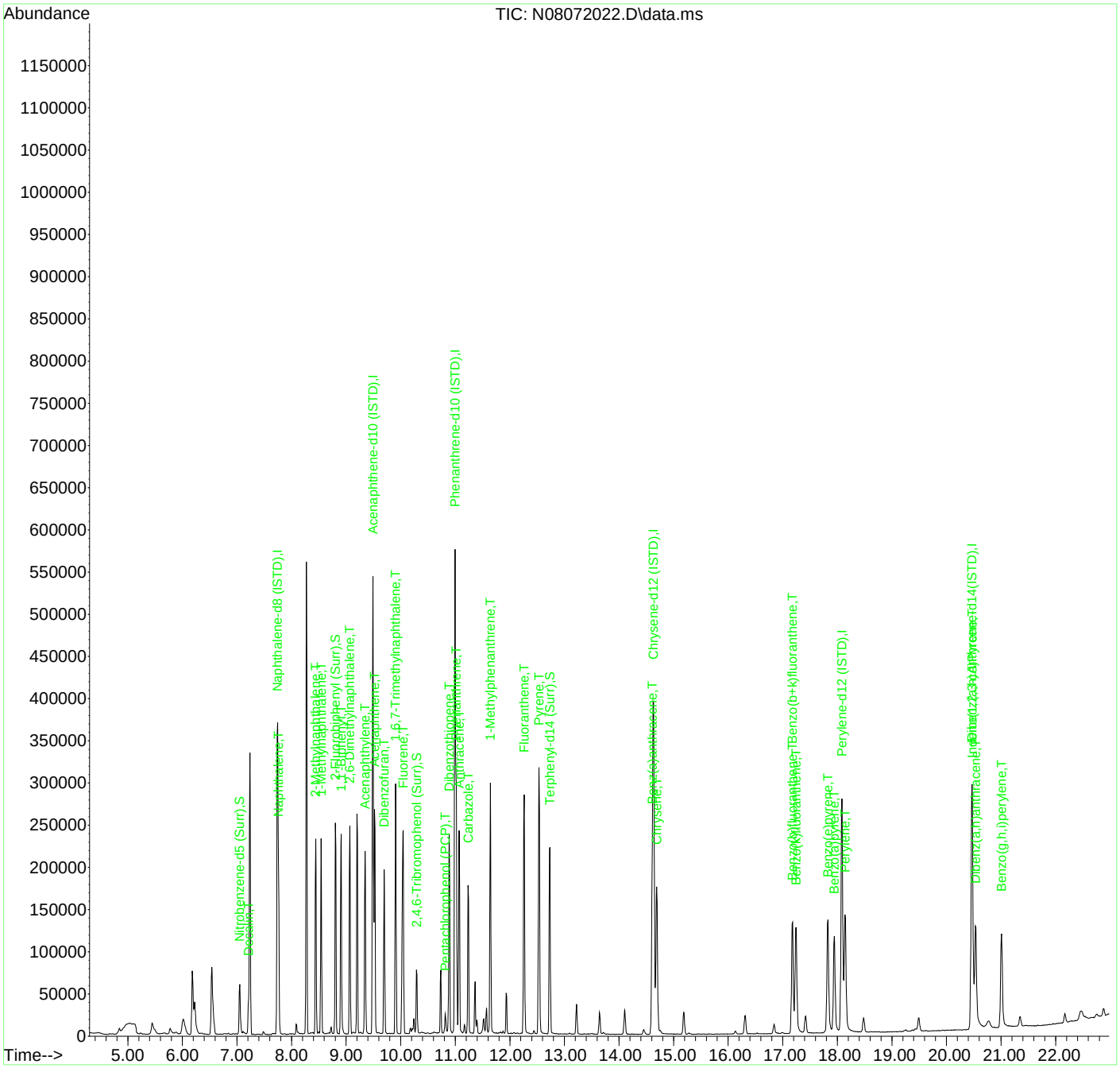
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
32) Benzo(k)fluoranthene	17.244	252	121002	50.45	ng/ml	91
33) Benzo(b+k)fluoranthene	17.180	252	258890	101.70	ng/ml	88
34) Benzo(e)pyrene	17.827	252	121723	47.82	ng/ml	98
35) Benzo(a)pyrene	17.944	252	104007	56.71	ng/ml	96
36) Perylene	18.142	252	132208	48.47	ng/ml	100
38) Indeno(1,2,3-cd)Pyrene	20.473	276	99525	46.24	ng/ml	75
39) Dibenz(a,h)anthracene	20.531	278	103277	48.97	ng/ml	79
40) Benzo(g,h,i)perylene	21.009	276	111212	49.63	ng/ml	74

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : M:\data\2020-08\0H07053\
Data File : N08072022.D
Acq On : 07 Aug 2020 11:23 pm
Operator : JK/ AMS/ DTH
Sample : 0H07053-ICV1
Misc : 1x, A20H138@50PPB
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 10 09:20:59 2020
Quant Method : M:\methods\SV14_080720.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Mon Aug 10 09:15:49 2020
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : M:\data\2020-08\0H07053\
Data File : N08072022.D
Acq On : 07 Aug 2020 11:23 pm
Operator : JK/ AMS/ DTH
Sample : 0H07053-ICV1
Misc : 1x, A20H138@50PPB
ALS Vial : 13 Sample Multiplier: 1

JK 8/10/20

Final Requant

Quant Time: Aug 10 13:00:22 2020
Quant Method : M:\methods\SV14_080720.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Mon Aug 10 09:22:10 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8 (ISTD)	7.738	136	256281	100.00	ng/ml	0.00
9) Acenaphthene-d10 (ISTD)	9.492	162	163968	100.00	ng/ml	0.00
16) Phenanthrene-d10 (ISTD)	10.996	188	309949	100.00	ng/ml	0.00
25) Chrysene-d12 (ISTD)	14.633	240	277913	100.00	ng/ml	0.00
30) Perylene-d12 (ISTD)	18.083	264	249997	100.00	ng/ml	0.00
37) Dibenz(a,h)Anthrcene-d...	20.467	292	198562	100.00	ng/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5 (Surr)	7.050	82	33834	47.13	ng/ml	0.00
10) 2-Fluorobiphenyl (Surr)	8.804	172	117801	50.25	ng/ml	0.00
17) 2,4,6-Tribromophenol (...	10.291	330	16307	43.38	ng/ml	0.00
27) Terphenyl-d14 (Surr)	12.733	244	134405	50.30	ng/ml	0.00
Target Compounds						Qvalue
3) Decalin	7.213	138	6630	43.58	ng/ml	84
4) Naphthalene	7.761	128	127598	48.28	ng/ml	99
5) 2-Methylnaphthalene	8.443	142	96851	50.68	ng/ml	97
6) 1-Methylnaphthalene	8.542	142	95668	50.03	ng/ml	97
7) 1,1'-Biphenyl	8.909	154	117239	48.21	ng/ml	96
8) 2,6-Dimethylnaphthalene	9.066	156	85969	48.24	ng/ml	96
11) Acenaphthylene	9.346	152	143176	52.10	ng/ml	99
12) Acenaphthene	9.521	153	99574	49.58	ng/ml	99
13) Dibenzofuran	9.696	168	124467	49.30	ng/ml	93
14) 1,6,7-Trimethylnaphtha...	9.906	170	87424	48.01	ng/ml	100
15) Fluorene	10.046	166	103605	50.68	ng/ml	98
18) Pentachlorophenol (PCP)	10.815	266	5368	42.04	ng/ml	97
19) Dibenzothiopene	10.891	184	142269	47.27	ng/ml	94
20) Phenanthrene	11.019	178	165110	49.22	ng/ml	100
21) Anthracene	11.072	178	145176	52.84	ng/ml	99
22) Carbazole	11.235	167	112229	54.95	ng/ml	98
23) 1-Methylphenanthrene	11.643	192	121301	50.29	ng/ml	98
24) Fluoranthene	12.261	202	184354	52.98	ng/ml	95
26) Pyrene	12.535	202	190425	51.17	ng/ml	99
28) Benz(a)anthracene	14.610	228	127771	45.99	ng/ml	99
29) Chrysene	14.691	228	140295	48.87	ng/ml	99
31) Benzo(b)fluoranthene	17.180	252	124762	49.22	ng/ml	91

Data Path : M:\data\2020-08\0H07053\
Data File : N08072022.D
Acq On : 07 Aug 2020 11:23 pm
Operator : JK/ AMS/ DTH
Sample : 0H07053-ICV1
Misc : 1x, A20H138@50PPB
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 10 13:00:22 2020
Quant Method : M:\methods\SV14_080720.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Mon Aug 10 09:22:10 2020
Response via : Initial Calibration

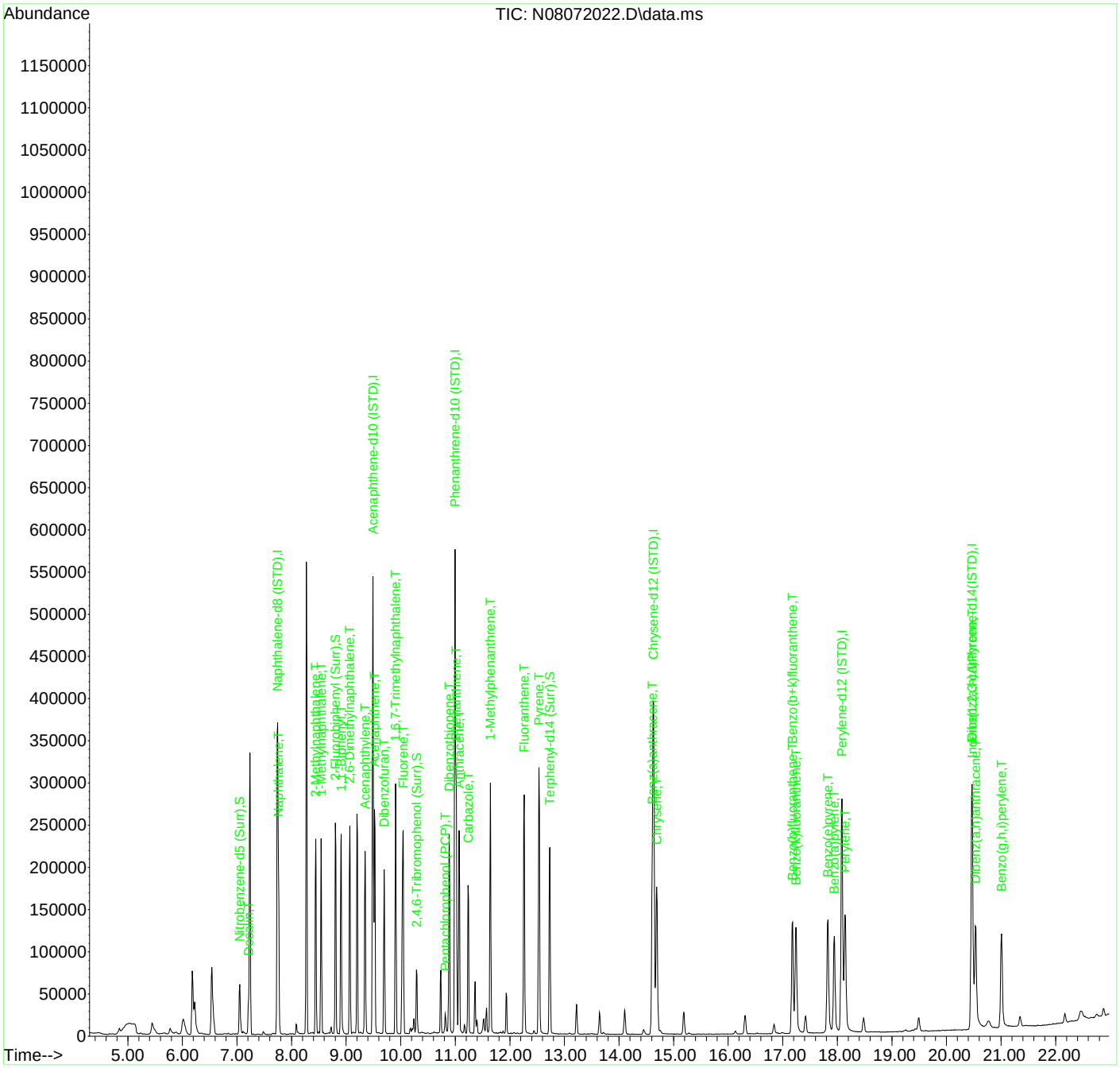
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
32) Benzo(k)fluoranthene	17.244	252	121002	50.60	ng/ml	91
33) Benzo(b+k)fluoranthene	17.180	252	258890	100.35	ng/ml	88
34) Benzo(e)pyrene	17.827	252	121723	48.28	ng/ml	98
35) Benzo(a)pyrene	17.944	252	104007	56.59	ng/ml	96
36) Perylene	18.142	252	132208	48.45	ng/ml	100
38) Indeno(1,2,3-cd)Pyrene	20.473	276	99525	46.57	ng/ml	75
39) Dibenz(a,h)anthracene	20.531	278	103277	49.15	ng/ml	79
40) Benzo(g,h,i)perylene	21.009	276	111212	51.18	ng/ml	74

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : M:\data\2020-08\0H07053\
Data File : N08072022.D
Acq On : 07 Aug 2020 11:23 pm
Operator : JK/ AMS/ DTH
Sample : 0H07053-ICV1
Misc : 1x, A20H138@50PPB
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 10 13:00:22 2020
Quant Method : M:\methods\SV14_080720.M
Quant Title : EPA 8270D: Semivolatile Organics
QLast Update : Mon Aug 10 09:22:10 2020
Response via : Initial Calibration



Total Metals by EPA 6020B (ICPMS)
Benchsheet and Analysis Sequence Data (Including Calibration)

Batch 1012850
Sequence 1A14033

APEX LABORATORIES

As (Arsenic) - 6020B - Total
Cd (Cadmium) - 6020B - Total
Cr (Chromium) - 6020B - Total
Cu (Copper) - 6020B - Total
Mn (Manganese) - 6020B - Total
Pb (Lead) - 6020B - Total
V (Vanadium) - 6020B - Total
Zn (Zinc) - 6020B - Total

PREPARATION BENCH SHEET

1012850

JAN 1 8 2021

Apex Laboratories
BATCH #: 1012850 (Sediment)
Prep Method: EPA 3051A

Lab Number	Due	Prepared	Initial (g)	Final (mL)	Client	ClientID / Sample	Extraction Comments
1012850-BLK1	---	01/13/21 14:49	0.5	50	*QC Sample*		
1012850-BS1	---	01/13/21 14:49	0.5	50	*QC Sample*		
	Spike 1: 2500 uL of A21A089		Spike 2: 250 uL of A20L276				
A0K0482-07	01/14/21	01/13/21 14:49	~~0.50~~ 0.493	50	Anchor QEA, LLC	USMPDI-003SC-B-00-02-2(	sediment
☐ As (Arsenic) - 6020B - Total ☐ Cd (Cadmium) - 6020B - Total ☐ Cr (Chromium) - 6020B - Total ☐ Cu (Copper) - 6020B - Total ☐ Mn (Manganese) - 6020B - Tota ☐ Pb (Lead) - 6020B - Total ☐ V (Vanadium) - 6020B - Total ☐ Zn (Zinc) - 6020B - Total							
A0K0482-08	01/14/21	01/13/21 14:49	~~0.50~~ 0.497	50	Anchor QEA, LLC	USMPDI-003SC-B-02-04-2(	sediment
☐ As (Arsenic) - 6020B - Total ☐ Cd (Cadmium) - 6020B - Total ☐ Cr (Chromium) - 6020B - Total ☐ Cu (Copper) - 6020B - Total ☐ Mn (Manganese) - 6020B - Tota ☐ Pb (Lead) - 6020B - Total ☐ V (Vanadium) - 6020B - Total ☐ Zn (Zinc) - 6020B - Total							
A0K0482-09	01/14/21	01/13/21 14:49	0.508	50	Anchor QEA, LLC	USMPDI-003SC-B-04-06-2(	sediment
☐ As (Arsenic) - 6020B - Total ☐ Cd (Cadmium) - 6020B - Total ☐ Cr (Chromium) - 6020B - Total ☐ Cu (Copper) - 6020B - Total ☐ Mn (Manganese) - 6020B - Tota ☐ Pb (Lead) - 6020B - Total ☐ V (Vanadium) - 6020B - Total ☐ Zn (Zinc) - 6020B - Total							
A0K0482-10	01/14/21	01/13/21 14:49	~~0.50~~ 0.498	50	Anchor QEA, LLC	USMPDI-003SC-B-06-08-2(	sediment
☐ As (Arsenic) - 6020B - Total ☐ Cd (Cadmium) - 6020B - Total ☐ Cr (Chromium) - 6020B - Total ☐ Cu (Copper) - 6020B - Total ☐ Mn (Manganese) - 6020B - Tota ☐ Pb (Lead) - 6020B - Total ☐ V (Vanadium) - 6020B - Total ☐ Zn (Zinc) - 6020B - Total							
A0K0482-15	01/14/21	01/13/21 14:49	0.501	50	Anchor QEA, LLC	USMPDI-006SC-D-00-02-2(	sediment
☐ As (Arsenic) - 6020B - Total ☐ Cd (Cadmium) - 6020B - Total ☐ Cr (Chromium) - 6020B - Total ☐ Cu (Copper) - 6020B - Total ☐ Mn (Manganese) - 6020B - Tota ☐ Pb (Lead) - 6020B - Total ☐ V (Vanadium) - 6020B - Total ☐ Zn (Zinc) - 6020B - Total							
A0K0482-16	01/14/21	01/13/21 14:49	~~0.50~~ 0.498	50	Anchor QEA, LLC	USMPDI-006SC-D-02-04-2(	sediment
☐ As (Arsenic) - 6020B - Total ☐ Cd (Cadmium) - 6020B - Total ☐ Cr (Chromium) - 6020B - Total ☐ Cu (Copper) - 6020B - Total ☐ Mn (Manganese) - 6020B - Tota ☐ Pb (Lead) - 6020B - Total ☐ V (Vanadium) - 6020B - Total ☐ Zn (Zinc) - 6020B - Total							
A0K0482-17	01/14/21	01/13/21 14:49	~~0.50~~ 0.490	50	Anchor QEA, LLC	USMPDI-006SC-D-04-06-2(	sediment
☐ As (Arsenic) - 6020B - Total ☐ Cd (Cadmium) - 6020B - Total ☐ Cr (Chromium) - 6020B - Total ☐ Cu (Copper) - 6020B - Total ☐ Mn (Manganese) - 6020B - Tota ☐ Pb (Lead) - 6020B - Total ☐ V (Vanadium) - 6020B - Total ☐ Zn (Zinc) - 6020B - Total							
A0K0482-18	01/14/21	01/13/21 14:49	0.519	50	Anchor QEA, LLC	USMPDI-006SC-D-06-08-2(	sediment
☐ As (Arsenic) - 6020B - Total ☐ Cd (Cadmium) - 6020B - Total ☐ Cr (Chromium) - 6020B - Total ☐ Cu (Copper) - 6020B - Total ☐ Mn (Manganese) - 6020B - Tota ☐ Pb (Lead) - 6020B - Total ☐ V (Vanadium) - 6020B - Total ☐ Zn (Zinc) - 6020B - Total							
A0K0482-19	01/14/21	01/13/21 14:49	~~0.50~~ 0.484	50	Anchor QEA, LLC	USMPDI-006SC-D-08-10-2(	sediment
☐ As (Arsenic) - 6020B - Total ☐ Cd (Cadmium) - 6020B - Total ☐ Cr (Chromium) - 6020B - Total ☐ Cu (Copper) - 6020B - Total ☐ Mn (Manganese) - 6020B - Tota ☐ Pb (Lead) - 6020B - Total ☐ V (Vanadium) - 6020B - Total ☐ Zn (Zinc) - 6020B - Total							
A0K0482-20	01/14/21	01/13/21 14:49	~~0.50~~ 0.481	50	Anchor QEA, LLC	USMPDI-006SC-D-10-12-2(	sediment
☐ As (Arsenic) - 6020B - Total ☐ Cd (Cadmium) - 6020B - Total ☐ Cr (Chromium) - 6020B - Total ☐ Cu (Copper) - 6020B - Total ☐ Mn (Manganese) - 6020B - Tota ☐ Pb (Lead) - 6020B - Total ☐ V (Vanadium) - 6020B - Total ☐ Zn (Zinc) - 6020B - Total							

NM 1/13/21
Prepared By: Date

Reviewed By: 1-14-21
Date

APEX LABORATORIES

Apex Laboratories
BATCH #: 1012850 (Sediment)
Prep Method: EPA 3051A

Lab Number	Due	Prepared	Initial (g)	Final (mL)	Client	ClientID / Sample	Extraction Comments
A0K0482-21	*01/14/21*	01/13/21 14:49	0.504	50	Anchor QEA, LLC	USMPDI-006SC-D-12-14-2	MS/MSD. sediment
☐ As (Arsenic) - 6020B - Total ☐ Cd (Cadmium) - 6020B - Total ☐ Cr (Chromium) - 6020B - Total ☐ Cu (Copper) - 6020B - Total ☐ Mn (Manganese) - 6020B - Tota ☐ Pb (Lead) - 6020B - Total ☐ V (Vanadium) - 6020B - Total ☐ Zn (Zinc) - 6020B - Total							
~~1012850-DUP1~~	---	01/13/21 14:49	0.5	50	*QC Sample*		
Source: A0K0482-21							
1012850-MS1	---	01/13/21 14:49	0.511	50	*QC Sample*		
Source: A0K0482-21		Spike 1: 2500 uL of A21A089			Spike 2: 250 uL of A20L276		
1012850-MSD1	---	01/13/21 14:49	0.504	50	*QC Sample*		
Source: A0K0482-21		Spike 1: 2500 uL of A21A089			Spike 2: 250 uL of A20L276		
A0K0482-22	*01/14/21*	01/13/21 14:49	0.506	50	Anchor QEA, LLC	USMPDI-1006SC-D-10-12-	sediment
☐ As (Arsenic) - 6020B - Total ☐ Cd (Cadmium) - 6020B - Total ☐ Cr (Chromium) - 6020B - Total ☐ Cu (Copper) - 6020B - Total ☐ Mn (Manganese) - 6020B - Tota ☐ Pb (Lead) - 6020B - Total ☐ V (Vanadium) - 6020B - Total ☐ Zn (Zinc) - 6020B - Total							

Standards/Reagents

Reagent(s)

Std ID	Exp. Date	Description
A13L213	11/30/23	Metals Prep Balance 2
A17F264	06/23/23	Mars-6 Microwave
A20I395	03/22/22	Conc. HCl - Omnitrace
A20K177	05/09/22	Conc. HNO3 - Omnitrace
A20K328	02/19/21	30% hydrogen peroxide

Analyte Spike(s)

NMP 1/13/21

Std ID	Exp. Date	Description
A20L276	02/21/21	Hg Spiking Standard
A21A089	03/29/21	**Combo Spike** A+B+C

NMP 1/13/21
A) A20L367 1250 uL
B) A20K331 625 uL
C) A21A086 625 uL

Digestion time and temperature achieved? Y
Initials: NMP 1/13/21

NMP 1/13/21
Prepared By: Date

Reviewed By: Date

Import sample list

Batch: 1012850

If observed weight loss < 0.2g Digestion is within control limits
If observed weight loss > 0.2g Enter data in to electronic VWW. Acceptance limit 1.0%

Date: 01/13/21 Prepared by: nrp

#	Mars Tube ID	Sample ID	Pre-digestion Vessel Wt. (g)	Pre-digestion Vessel + Sample Wt. (g)	Post-digestion Vessel + Sample Wt. (g)	Sample Wt. Loss (%)* *Formula only used if sample loss >0.2g*
1	S3A	1012850-BLK1	122.622	184.344	184.272	0.12%
2	S105	1012850-BS1	123.118	184.874	184.862	0.02%
3	S95A	A0K0482-07	125.11	187.904	187.896	0.01%
4	S17	A0K0482-08	124.142	186.914	186.908	0.01%
5	S10	A0K0482-09	123.31	185.618	185.61	0.01%
6	S51	A0K0482-10	122.256	185.59	185.52	0.11%
7	S3	A0K0482-15	120.486	183.084	183.056	0.04%
8	S107	A0K0482-16	120.792	183.308	183.292	0.03%
9	S99	A0K0482-17	124.026	186.678	186.666	0.02%
10	S15	A0K0482-18	122.458	185.858	185.824	0.05%
11	S97	A0K0482-19	125.662	187.916	187.896	0.03%
12	S95	A0K0482-20	124.11	187.094	187.068	0.04%
13	S52	A0K0482-21	122.656	185.316	185.302	0.02%
14	S108	1012850-DUP1				n/a
15	S50	1012850-MS1	122.668	185.716	185.654	0.10%
16	S23	1012850-MSD1	122.51	184.838	184.826	0.02%
17	S82	A0K0482-22	126.086	188.432	188.42	0.02%
18						n/a
19						n/a
20						n/a
21						n/a
22						n/a
23						n/a
24						n/a
25						n/a

Run Data

Method: US EPA 3051
Date/Time: 01/13/2021 15:47

Time	Temperature (°C)
00:00	30
00:30	32
01:00	48
01:30	73
02:00	93
02:30	107
03:00	121
03:30	149
04:00	157
04:30	162
05:00	165
05:30	170
06:00	172
06:30	174
07:00	173
07:30	173
08:00	173
08:30	173
09:00	173
09:30	173
10:00	173

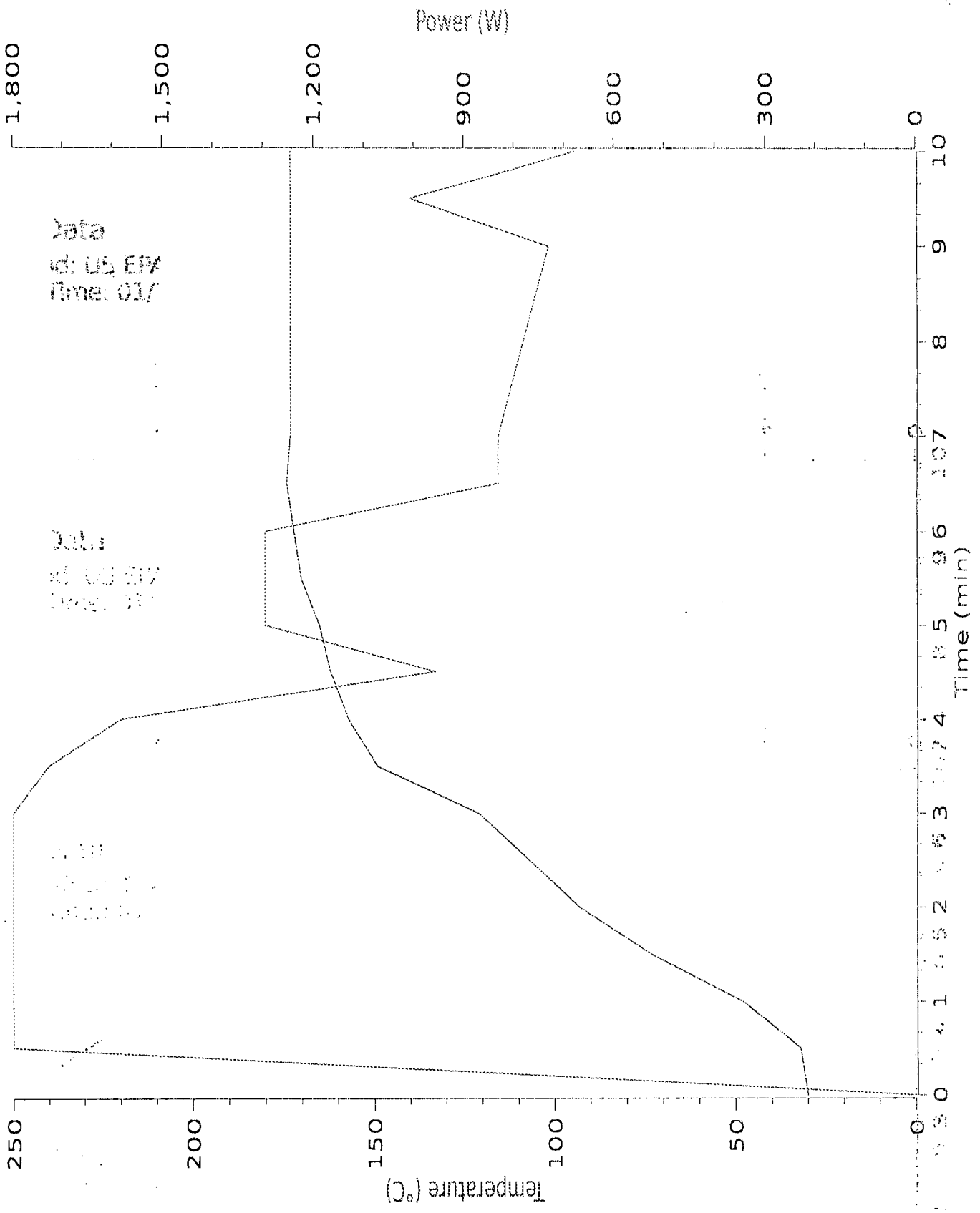
----- End Stage 1 -----

Run Data
Method: US EPA 3051
Date/Time: 01/13/2021 15:47

Vessel	Temp
17	✔
18	✔
20	✔
21	✔
23	✔
24	✔
26	✔
27	✔
29	✔
30	✔
32	✔
33	✔
35	✔
36	✔
38	✔
39	✔

Run Data

Method: US EPA 3051
Date/Time: 01/13/2021 15:47



ELEMENT SEQUENCE LOG

Apex Laboratories

Sequence: 1A14033 Instrument: ICPMS5

Date: **01/14/21 08:38** Calibration: **UNASSIGNED**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	1A14033-CAL1	Water	QC	QC			A20L381	A21A063
2	1A14033-CAL2	Water	QC	QC			A20L381	A21A062
3	1A14033-CAL3	Water	QC	QC			A20L381	A21A061
4	1A14033-CAL4	Water	QC	QC			A20L381	A21A060
5	1A14033-CAL5	Water	QC	QC			A20L381	A21A002
6	1A14033-CAL6	Water	QC	QC			A20L381	A21A059
7	1A14033-CAL7	Water	QC	QC			A20L381	A21A003
8	1A14033-CAL8	Water	QC	QC			A20L381	A20L109
9	1A14033-CAL9	Water	QC	QC			A20L381	A21A096
10	1A14033-ICV1	Water	QC	QC			A20L381	A21A136
11	1A14033-ICB1	Water	QC	QC			A20L381	
12	1A14033-IFA1	Water	QC	QC			A20L381	A21A112
13	1A14033-IFB1	Water	QC	QC			A20L381	A21A113
14	1012873-BLK1	Soil	QC	QC		1012873	A20L381	
15	1012873-BS1	Soil	QC	QC		1012873	A20L381	
16	A1A0183-02	Soil	Pb (Lead) - 6020B - TCLP		01/14/21	1012873	A20L381	
17	A1A0400-01	Soil	Ag (Silver) - 6020B - TCLP		01/14/21	1012873	A20L381	
18	"	Soil	As (Arsenic) - 6020B - TCLP		01/14/21	1012873	A20L381	
19	"	Soil	Ba (Barium) - 6020B - TCLP		01/14/21	1012873	A20L381	
20	"	Soil	Cd (Cadmium) - 6020B - TCLP		01/14/21	1012873	A20L381	
21	"	Soil	Cr (Chromium) - 6020B - TCLP		01/14/21	1012873	A20L381	
22	"	Soil	Hg (Mercury) - 6020B - TCLP		01/14/21	1012873	A20L381	
23	"	Soil	Pb (Lead) - 6020B - TCLP		01/14/21	1012873	A20L381	
24	"	Soil	Se (Selenium) - 6020B - TCLP		01/14/21	1012873	A20L381	
25	A1A0400-02	Soil	Ag (Silver) - 6020B - TCLP		01/14/21	1012873	A20L381	
26	"	Soil	As (Arsenic) - 6020B - TCLP		01/14/21	1012873	A20L381	
27	"	Soil	Ba (Barium) - 6020B - TCLP		01/14/21	1012873	A20L381	
28	"	Soil	Cd (Cadmium) - 6020B - TCLP		01/14/21	1012873	A20L381	
29	"	Soil	Cr (Chromium) - 6020B - TCLP		01/14/21	1012873	A20L381	
30	"	Soil	Hg (Mercury) - 6020B - TCLP		01/14/21	1012873	A20L381	
31	"	Soil	Pb (Lead) - 6020B - TCLP		01/14/21	1012873	A20L381	
32	"	Soil	Se (Selenium) - 6020B - TCLP		01/14/21	1012873	A20L381	
33	A1A0400-03	Soil	Ag (Silver) - 6020B - TCLP		01/14/21	1012873	A20L381	
34	"	Soil	As (Arsenic) - 6020B - TCLP		01/14/21	1012873	A20L381	
35	"	Soil	Ba (Barium) - 6020B - TCLP		01/14/21	1012873	A20L381	
36	"	Soil	Cd (Cadmium) - 6020B - TCLP		01/14/21	1012873	A20L381	
37	"	Soil	Cr (Chromium) - 6020B - TCLP		01/14/21	1012873	A20L381	
38	"	Soil	Hg (Mercury) - 6020B - TCLP		01/14/21	1012873	A20L381	
39	"	Soil	Pb (Lead) - 6020B - TCLP		01/14/21	1012873	A20L381	
40	"	Soil	Se (Selenium) - 6020B - TCLP		01/14/21	1012873	A20L381	
41	1012873-MS1	Soil	QC	QC		1012873	A20L381	
42	A1A0478-01	Soil	Ag (Silver) - 6020B - TCLP		01/18/21	1012873	A20L381	
43	"	Soil	As (Arsenic) - 6020B - TCLP		01/18/21	1012873	A20L381	
44	"	Soil	Ba (Barium) - 6020B - TCLP		01/18/21	1012873	A20L381	
45	"	Soil	Cd (Cadmium) - 6020B - TCLP		01/18/21	1012873	A20L381	
46	"	Soil	Cr (Chromium) - 6020B - TCLP		01/18/21	1012873	A20L381	
47	"	Soil	Hg (Mercury) - 6020B - TCLP		01/18/21	1012873	A20L381	
48	"	Soil	Pb (Lead) - 6020B - TCLP		01/18/21	1012873	A20L381	
49	"	Soil	Se (Selenium) - 6020B - TCLP		01/18/21	1012873	A20L381	
50	1012873-MS2	Soil	QC	QC		1012873	A20L381	

Sequence: 1A14033 Instrument: ICPMS5

Date: **01/14/21 08:38** Calibration: **UNASSIGNED**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
51	1A14033-CCV1	Water	QC	QC			A20L381	A21A136
52	1A14033-CCV2	Water	QC	QC			A20L381	A21A136
53	1A14033-CCB1	Water	QC	QC			A20L381	
54	1012850-BLK1	Sediment	QC	QC		1012850	A20L381	
55	1012850-BS1	Sediment	QC	QC		1012850	A20L381	
56	A0K0482-07	Sediment	As (Arsenic) - 6020B - Total	Anchor QEA, LLC	01/14/21	1012850	A20L381	
57	"	Sediment	Cd (Cadmium) - 6020B - Total	"	01/14/21	1012850	A20L381	
58	"	Sediment	Cr (Chromium) - 6020B - Total	"	01/14/21	1012850	A20L381	
59	"	Sediment	Cu (Copper) - 6020B - Total	"	01/14/21	1012850	A20L381	
60	"	Sediment	Mn (Manganese) - 6020B - Total	"	01/14/21	1012850	A20L381	
61	"	Sediment	Pb (Lead) - 6020B - Total	"	01/14/21	1012850	A20L381	
62	"	Sediment	V (Vanadium) - 6020B - Total	"	01/14/21	1012850	A20L381	
63	"	Sediment	Zn (Zinc) - 6020B - Total	"	01/14/21	1012850	A20L381	
64	A0K0482-08	Sediment	As (Arsenic) - 6020B - Total	Anchor QEA, LLC	01/14/21	1012850	A20L381	
65	"	Sediment	Cd (Cadmium) - 6020B - Total	"	01/14/21	1012850	A20L381	
66	"	Sediment	Cr (Chromium) - 6020B - Total	"	01/14/21	1012850	A20L381	
67	"	Sediment	Cu (Copper) - 6020B - Total	"	01/14/21	1012850	A20L381	
68	"	Sediment	Mn (Manganese) - 6020B - Total	"	01/14/21	1012850	A20L381	
69	"	Sediment	Pb (Lead) - 6020B - Total	"	01/14/21	1012850	A20L381	
70	"	Sediment	V (Vanadium) - 6020B - Total	"	01/14/21	1012850	A20L381	
71	"	Sediment	Zn (Zinc) - 6020B - Total	"	01/14/21	1012850	A20L381	
72	A0K0482-09	Sediment	As (Arsenic) - 6020B - Total	Anchor QEA, LLC	01/14/21	1012850	A20L381	
73	"	Sediment	Cd (Cadmium) - 6020B - Total	"	01/14/21	1012850	A20L381	
74	"	Sediment	Cr (Chromium) - 6020B - Total	"	01/14/21	1012850	A20L381	
75	"	Sediment	Cu (Copper) - 6020B - Total	"	01/14/21	1012850	A20L381	
76	"	Sediment	Mn (Manganese) - 6020B - Total	"	01/14/21	1012850	A20L381	
77	"	Sediment	Pb (Lead) - 6020B - Total	"	01/14/21	1012850	A20L381	
78	"	Sediment	V (Vanadium) - 6020B - Total	"	01/14/21	1012850	A20L381	
79	"	Sediment	Zn (Zinc) - 6020B - Total	"	01/14/21	1012850	A20L381	
80	A0K0482-10	Sediment	As (Arsenic) - 6020B - Total	Anchor QEA, LLC	01/14/21	1012850	A20L381	
81	"	Sediment	Cd (Cadmium) - 6020B - Total	"	01/14/21	1012850	A20L381	
82	"	Sediment	Cr (Chromium) - 6020B - Total	"	01/14/21	1012850	A20L381	
83	"	Sediment	Cu (Copper) - 6020B - Total	"	01/14/21	1012850	A20L381	
84	"	Sediment	Mn (Manganese) - 6020B - Total	"	01/14/21	1012850	A20L381	
85	"	Sediment	Pb (Lead) - 6020B - Total	"	01/14/21	1012850	A20L381	
86	"	Sediment	V (Vanadium) - 6020B - Total	"	01/14/21	1012850	A20L381	
87	"	Sediment	Zn (Zinc) - 6020B - Total	"	01/14/21	1012850	A20L381	
88	A0K0482-15	Sediment	As (Arsenic) - 6020B - Total	Anchor QEA, LLC	01/14/21	1012850	A20L381	
89	"	Sediment	Cd (Cadmium) - 6020B - Total	"	01/14/21	1012850	A20L381	
90	"	Sediment	Cr (Chromium) - 6020B - Total	"	01/14/21	1012850	A20L381	
91	"	Sediment	Cu (Copper) - 6020B - Total	"	01/14/21	1012850	A20L381	
92	"	Sediment	Mn (Manganese) - 6020B - Total	"	01/14/21	1012850	A20L381	
93	"	Sediment	Pb (Lead) - 6020B - Total	"	01/14/21	1012850	A20L381	
94	"	Sediment	V (Vanadium) - 6020B - Total	"	01/14/21	1012850	A20L381	
95	"	Sediment	Zn (Zinc) - 6020B - Total	"	01/14/21	1012850	A20L381	
96	A0K0482-16	Sediment	As (Arsenic) - 6020B - Total	Anchor QEA, LLC	01/14/21	1012850	A20L381	
97	"	Sediment	Cd (Cadmium) - 6020B - Total	"	01/14/21	1012850	A20L381	
98	"	Sediment	Cr (Chromium) - 6020B - Total	"	01/14/21	1012850	A20L381	
99	"	Sediment	Cu (Copper) - 6020B - Total	"	01/14/21	1012850	A20L381	
100	"	Sediment	Mn (Manganese) - 6020B - Total	"	01/14/21	1012850	A20L381	
101	"	Sediment	Pb (Lead) - 6020B - Total	"	01/14/21	1012850	A20L381	
102	"	Sediment	V (Vanadium) - 6020B - Total	"	01/14/21	1012850	A20L381	
103	"	Sediment	Zn (Zinc) - 6020B - Total	"	01/14/21	1012850	A20L381	
104	A0K0482-17	Sediment	As (Arsenic) - 6020B - Total	Anchor QEA, LLC	01/14/21	1012850	A20L381	

Sequence: 1A14033 Instrument: ICPMS5

Date: **01/14/21 08:38** Calibration: **UNASSIGNED**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
105	"	Sediment	Cd (Cadmium) - 6020B - Total	"	01/14/21	1012850	A20L381	
106	"	Sediment	Cr (Chromium) - 6020B - Total	"	01/14/21	1012850	A20L381	
107	"	Sediment	Cu (Copper) - 6020B - Total	"	01/14/21	1012850	A20L381	
108	"	Sediment	Mn (Manganese) - 6020B - Total	"	01/14/21	1012850	A20L381	
109	"	Sediment	Pb (Lead) - 6020B - Total	"	01/14/21	1012850	A20L381	
110	"	Sediment	V (Vanadium) - 6020B - Total	"	01/14/21	1012850	A20L381	
111	"	Sediment	Zn (Zinc) - 6020B - Total	"	01/14/21	1012850	A20L381	
112	A0K0482-18	Sediment	As (Arsenic) - 6020B - Total	Anchor QEA, LLC	01/14/21	1012850	A20L381	
113	"	Sediment	Cd (Cadmium) - 6020B - Total	"	01/14/21	1012850	A20L381	
114	"	Sediment	Cr (Chromium) - 6020B - Total	"	01/14/21	1012850	A20L381	
115	"	Sediment	Cu (Copper) - 6020B - Total	"	01/14/21	1012850	A20L381	
116	"	Sediment	Mn (Manganese) - 6020B - Total	"	01/14/21	1012850	A20L381	
117	"	Sediment	Pb (Lead) - 6020B - Total	"	01/14/21	1012850	A20L381	
118	"	Sediment	V (Vanadium) - 6020B - Total	"	01/14/21	1012850	A20L381	
119	"	Sediment	Zn (Zinc) - 6020B - Total	"	01/14/21	1012850	A20L381	
120	1A14033-CCV3	Water	QC	QC			A20L381	A21A136
121	1A14033-CCV4	Water	QC	QC			A20L381	A21A136
122	1A14033-CCB2	Water	QC	QC			A20L381	
123	A0K0482-19	Sediment	As (Arsenic) - 6020B - Total	Anchor QEA, LLC	01/14/21	1012850	A20L381	
124	"	Sediment	Cd (Cadmium) - 6020B - Total	"	01/14/21	1012850	A20L381	
125	"	Sediment	Cr (Chromium) - 6020B - Total	"	01/14/21	1012850	A20L381	
126	"	Sediment	Cu (Copper) - 6020B - Total	"	01/14/21	1012850	A20L381	
127	"	Sediment	Mn (Manganese) - 6020B - Total	"	01/14/21	1012850	A20L381	
128	"	Sediment	Pb (Lead) - 6020B - Total	"	01/14/21	1012850	A20L381	
129	"	Sediment	V (Vanadium) - 6020B - Total	"	01/14/21	1012850	A20L381	
130	"	Sediment	Zn (Zinc) - 6020B - Total	"	01/14/21	1012850	A20L381	
131	A0K0482-20	Sediment	As (Arsenic) - 6020B - Total	Anchor QEA, LLC	01/14/21	1012850	A20L381	
132	"	Sediment	Cd (Cadmium) - 6020B - Total	"	01/14/21	1012850	A20L381	
133	"	Sediment	Cr (Chromium) - 6020B - Total	"	01/14/21	1012850	A20L381	
134	"	Sediment	Cu (Copper) - 6020B - Total	"	01/14/21	1012850	A20L381	
135	"	Sediment	Mn (Manganese) - 6020B - Total	"	01/14/21	1012850	A20L381	
136	"	Sediment	Pb (Lead) - 6020B - Total	"	01/14/21	1012850	A20L381	
137	"	Sediment	V (Vanadium) - 6020B - Total	"	01/14/21	1012850	A20L381	
138	"	Sediment	Zn (Zinc) - 6020B - Total	"	01/14/21	1012850	A20L381	
139	1A14033-CCV5	Water	QC	QC			A20L381	A21A136
140	1A14033-CCB3	Water	QC	QC			A20L381	
141	A0K0482-21	Sediment	As (Arsenic) - 6020B - Total	Anchor QEA, LLC	01/14/21	1012850	A20L381	
142	"	Sediment	Cd (Cadmium) - 6020B - Total	"	01/14/21	1012850	A20L381	
143	"	Sediment	Cr (Chromium) - 6020B - Total	"	01/14/21	1012850	A20L381	
144	"	Sediment	Cu (Copper) - 6020B - Total	"	01/14/21	1012850	A20L381	
145	"	Sediment	Mn (Manganese) - 6020B - Total	"	01/14/21	1012850	A20L381	
146	"	Sediment	Pb (Lead) - 6020B - Total	"	01/14/21	1012850	A20L381	
147	"	Sediment	V (Vanadium) - 6020B - Total	"	01/14/21	1012850	A20L381	
148	"	Sediment	Zn (Zinc) - 6020B - Total	"	01/14/21	1012850	A20L381	
149	1012850-MS1	Sediment	QC	QC		1012850	A20L381	
150	1012850-MSD1	Sediment	QC	QC		1012850	A20L381	
151	A0K0482-22	Sediment	As (Arsenic) - 6020B - Total	Anchor QEA, LLC	01/14/21	1012850	A20L381	
152	"	Sediment	Cd (Cadmium) - 6020B - Total	"	01/14/21	1012850	A20L381	
153	"	Sediment	Cr (Chromium) - 6020B - Total	"	01/14/21	1012850	A20L381	
154	"	Sediment	Cu (Copper) - 6020B - Total	"	01/14/21	1012850	A20L381	
155	"	Sediment	Mn (Manganese) - 6020B - Total	"	01/14/21	1012850	A20L381	
156	"	Sediment	Pb (Lead) - 6020B - Total	"	01/14/21	1012850	A20L381	
157	"	Sediment	V (Vanadium) - 6020B - Total	"	01/14/21	1012850	A20L381	
158	"	Sediment	Zn (Zinc) - 6020B - Total	"	01/14/21	1012850	A20L381	

Moved in sequence after A1A0480-02.JSJ 01/15/21

Sequence: 1A14033 Instrument: ICPMS5

Date: **01/14/21 08:38** Calibration: **UNASSIGNED**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
159	1012874-BLK1	Paint Chip	QC	QC		1012874	A20L381	
160	1012874-BS1	Paint Chip	QC	QC		1012874	A20L381	
161	A1A0480-01	Paint Chip	Al (Aluminum) - 6020B - Total		01/15/21	1012874	A20L381	
162	"	Paint Chip	Ba (Barium) - 6020B - Total		01/15/21	1012874	A20L381	
163	"	Paint Chip	Be (Beryllium) - 6020B - Total		01/15/21	1012874	A20L381	
164	"	Paint Chip	Cd (Cadmium) - 6020B - Total		01/15/21	1012874	A20L381	
165	"	Paint Chip	Co (Cobalt) - 6020B - Total		01/15/21	1012874	A20L381	
166	"	Paint Chip	Cr (Chromium) - 6020B - Total	Moved CCV5/CCB3 in sequence after A1A0480-02.JSJ 01/15/21	01/15/21	1012874	A20L381	
167	"	Paint Chip	Cu (Copper) - 6020B - Total		01/15/21	1012874	A20L381	
168	"	Paint Chip	Fe (Iron) - 6020B - Total		01/15/21	1012874	A20L381	
169	"	Paint Chip	Mn (Manganese) - 6020B - Total		01/15/21	1012874	A20L381	
170	"	Paint Chip	Mo (Molybdenum) - 6020B - Total		01/15/21	1012874	A20L381	
171	"	Paint Chip	Ni (Nickel) - 6020B - Total		01/15/21	1012874	A20L381	
172	"	Paint Chip	V (Vanadium) - 6020B - Total		01/15/21	1012874	A20L381	
173	"	Paint Chip	Zn (Zinc) - 6020B - Total		01/15/21	1012874	A20L381	
174	A1A0480-02	Paint Chip	Al (Aluminum) - 6020B - Total		01/15/21	1012874	A20L381	
175	"	Paint Chip	Ba (Barium) - 6020B - Total		01/15/21	1012874	A20L381	
176	"	Paint Chip	Be (Beryllium) - 6020B - Total		01/15/21	1012874	A20L381	
177	"	Paint Chip	Cd (Cadmium) - 6020B - Total		01/15/21	1012874	A20L381	
178	"	Paint Chip	Co (Cobalt) - 6020B - Total		01/15/21	1012874	A20L381	
179	"	Paint Chip	Cr (Chromium) - 6020B - Total		01/15/21	1012874	A20L381	
180	"	Paint Chip	Cu (Copper) - 6020B - Total		01/15/21	1012874	A20L381	
181	"	Paint Chip	Fe (Iron) - 6020B - Total		01/15/21	1012874	A20L381	
182	"	Paint Chip	Mn (Manganese) - 6020B - Total		01/15/21	1012874	A20L381	
183	"	Paint Chip	Mo (Molybdenum) - 6020B - Total		01/15/21	1012874	A20L381	
184	"	Paint Chip	Ni (Nickel) - 6020B - Total		01/15/21	1012874	A20L381	
185	"	Paint Chip	V (Vanadium) - 6020B - Total		01/15/21	1012874	A20L381	
186	"	Paint Chip	Zn (Zinc) - 6020B - Total		01/15/21	1012874	A20L381	
187	A1A0480-03	Paint Chip	Al (Aluminum) - 6020B - Total		01/15/21	1012874	A20L381	
188	"	Paint Chip	Ba (Barium) - 6020B - Total		01/15/21	1012874	A20L381	
189	"	Paint Chip	Be (Beryllium) - 6020B - Total		01/15/21	1012874	A20L381	
190	"	Paint Chip	Cd (Cadmium) - 6020B - Total		01/15/21	1012874	A20L381	
191	"	Paint Chip	Co (Cobalt) - 6020B - Total		01/15/21	1012874	A20L381	
192	"	Paint Chip	Cr (Chromium) - 6020B - Total		01/15/21	1012874	A20L381	
193	"	Paint Chip	Cu (Copper) - 6020B - Total		01/15/21	1012874	A20L381	
194	"	Paint Chip	Fe (Iron) - 6020B - Total		01/15/21	1012874	A20L381	
195	"	Paint Chip	Mn (Manganese) - 6020B - Total		01/15/21	1012874	A20L381	
196	"	Paint Chip	Mo (Molybdenum) - 6020B - Total		01/15/21	1012874	A20L381	
197	"	Paint Chip	Ni (Nickel) - 6020B - Total		01/15/21	1012874	A20L381	
198	"	Paint Chip	V (Vanadium) - 6020B - Total		01/15/21	1012874	A20L381	
199	"	Paint Chip	Zn (Zinc) - 6020B - Total		01/15/21	1012874	A20L381	
200	1012874-DUP1	Paint Chip	QC	QC		1012874	A20L381	
201	1012874-MS1	Paint Chip	QC	QC		1012874	A20L381	
202	1012874-MSD1	Paint Chip	QC	QC		1012874	A20L381	
203	A1A0480-01RE1	Paint Chip	Ba (Barium) - 6020B - Total		01/15/21	1012874	A20L381	
204	1A14033-CCV6	Water	QC	QC			A20L381	A21A136
205	1A14033-CCB4	Water	QC	QC			A20L381	
206	1012867-BLK1	Water	QC	QC		1012867	A20L381	
207	1012867-BS1	Water	QC	QC		1012867	A20L381	
208	A1A0124-01	Water	Pb (Lead) - 6020B - Total		01/18/21	1012867	A20L381	
209	A1A0335-01	Water	As (Arsenic) - 6020B - Total	(QC Source)		1012867	A20L381	
210	"	Water	Ba (Barium) - 6020B - Total	(QC Source)		1012867	A20L381	
211	"	Water	Cd (Cadmium) - 6020B - Total	(QC Source)		1012867	A20L381	
212	"	Water	Cu (Copper) - 6020B - Total	"	01/15/21	1012867	A20L381	

Sequence: 1A14033 Instrument: ICPMS5

Date: **01/14/21 08:38** Calibration: **UNASSIGNED**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
213	"	Water	Fe (Iron) - 6020B - Total	"	01/15/21	1012867	A20L381	
214	"	Water	Hg (Mercury) - 6020B - Total	"	01/15/21	1012867	A20L381	
215	"	Water	Pb (Lead) - 6020B - Total	"	01/15/21	1012867	A20L381	
216	"	Water	Se (Selenium) - 6020B - Total	(QC Source)		1012867	A20L381	
217	1012867-DUP1	Water	QC	QC		1012867	A20L381	
218	1012867-MS1	Water	QC	QC		1012867	A20L381	
219	A1A0387-01RE1	Water	As (Arsenic) - 6020B - Total		01/14/21	1012867	A20L381	
220	"	Water	Ba (Barium) - 6020B - Total		01/14/21	1012867	A20L381	
221	"	Water	Cd (Cadmium) - 6020B - Total		01/14/21	1012867	A20L381	
222	"	Water	Hg (Mercury) - 6020B - Total		01/14/21	1012867	A20L381	
223	"	Water	Se (Selenium) - 6020B - Total		01/14/21	1012867	A20L381	
224	1012867-MSD1	Water	QC	QC		1012867	A20L381	
225	1A14033-CCV7	Water	QC	QC			A20L381	A21A136
226	1A14033-CCB5	Water	QC	QC			A20L381	
227	1A14033-CCB6	Water	QC	QC			A20L381	
228	A0L0944-06RE2	Water	Be (Beryllium) - 6020B - Total	(QC Source)		1012728	A20L381	
229	1012728-DUP3	Water	QC	QC		1012728	A20L381	
230	1012728-MS3	Water	QC	QC		1012728	A20L381	
231	A0L0944-04RE1	Water	Na (Sodium) - 6020B - Total		01/15/21	1012728	A20L381	
232	A0L0944-05RE1	Water	Na (Sodium) - 6020B - Total		01/15/21	1012728	A20L381	
233	1A14033-CCV8	Water	QC	QC			A20L381	A21A136
234	1A14033-CCB7	Water	QC	QC			A20L381	

Comments:

Data Entered By/Date: KT 1-15-21

Data Reviewed By/Date: JSJ 01/15/21

SEQUENCE REVIEW SHEET

SEQUENCE: **1A14033** INSTRUMENT: **ICPMS5** **Seq. Date: 01/14/2021**

SEQUENCE LOG

KT 1-15-21

Sample ID	Martix	Batch No.	Analyzed
1A14033-CAL1	Water	1A14033	01/14/2021 11:18:44
1A14033-CAL2	Water	1A14033	01/14/2021 11:24:08
1A14033-CAL3	Water	1A14033	01/14/2021 11:29:31
1A14033-CAL4	Water	1A14033	01/14/2021 11:34:54
1A14033-CAL5	Water	1A14033	01/14/2021 11:40:17
1A14033-CAL6	Water	1A14033	01/14/2021 11:45:40
1A14033-CAL7	Water	1A14033	01/14/2021 11:51:01
1A14033-CAL8	Water	1A14033	01/14/2021 11:56:22
1A14033-CAL9	Water	1A14033	01/14/2021 12:01:36
1A14033-ICV1	**Water**	**1A14033**	**01/14/2021 12:08:40**
1A14033-ICB1	**Water**	**1A14033**	**01/14/2021 12:13:42**
1A14033-IFA1	Water	1A14033	01/14/2021 12:20:07
1A14033-IFB1	Water	1A14033	01/14/2021 12:25:05
1012873-BLK1	Soil	1012873	01/14/2021 12:35:13
1012873-BS1	Soil	1012873	01/14/2021 12:40:19
A1A0183-02	Soil	1012873	01/14/2021 12:45:24
A1A0400-01	Soil	1012873	01/14/2021 12:50:29
A1A0400-02	Soil	1012873	01/14/2021 12:55:34
A1A0400-03	Soil	1012873	01/14/2021 13:00:39
1012873-MS1	Soil	1012873	01/14/2021 13:05:44
A1A0478-01	Soil	1012873	01/14/2021 13:10:48
1012873-MS2	Soil	1012873	01/14/2021 13:15:52
1A14033-CCV1	**Water**	**1A14033**	**01/14/2021 13:20:59**
1A14033-CCV2	**Water**	**1A14033**	**01/14/2021 13:26:01**
1A14033-CCB1	**Water**	**1A14033**	**01/14/2021 13:31:04**
1012850-BLK1	Sediment	1012850	01/14/2021 13:36:12
1012850-BS1	Sediment	1012850	01/14/2021 13:41:18
A0K0482-07	Sediment	1012850	01/14/2021 13:46:26
A0K0482-08	Sediment	1012850	01/14/2021 13:51:31
A0K0482-09	Sediment	1012850	01/14/2021 13:57:46
A0K0482-10	Sediment	1012850	01/14/2021 14:02:50
A0K0482-15	Sediment	1012850	01/14/2021 14:07:55
A0K0482-16	Sediment	1012850	01/14/2021 14:13:00
A0K0482-17	Sediment	1012850	01/14/2021 14:18:04
A0K0482-18	Sediment	1012850	01/14/2021 14:23:09
1A14033-CCV3	**Water**	**1A14033**	**01/14/2021 14:28:14**
1A14033-CCV4	**Water**	**1A14033**	**01/14/2021 14:33:19**
1A14033-CCB2	**Water**	**1A14033**	**01/14/2021 14:38:24**
A0K0482-19	Sediment	1012850	01/14/2021 14:43:34
A0K0482-20	Sediment	1012850	01/14/2021 14:48:37
A0K0482-21	Sediment	1012850	01/14/2021 14:53:42
1012850-MS1	Sediment	1012850	01/14/2021 14:58:46
1012850-MSD1	Sediment	1012850	01/14/2021 15:03:49
A0K0482-22	Sediment	1012850	01/14/2021 15:08:52
1012874-BLK1	Paint Chip	1012874	01/14/2021 15:13:57
1012874-BS1	Paint Chip	1012874	01/14/2021 15:19:06
A1A0480-01	Paint Chip	1012874	01/14/2021 15:24:13
A1A0480-02	Paint Chip	1012874	01/14/2021 15:29:20
1A14033-CCV5	**Water**	**1A14033**	**01/14/2021 15:34:30**
1A14033-CCB3	**Water**	**1A14033**	**01/14/2021 15:39:35**
A1A0480-03	Paint Chip	1012874	01/14/2021 15:44:47
1012874-DUP1	Paint Chip	1012874	01/14/2021 15:49:56
1012874-MS1	Paint Chip	1012874	01/14/2021 15:55:04
1012874-MSD1	Paint Chip	1012874	01/14/2021 16:00:11

A1A0480-01RE1	Paint Chip	1012874	01/14/2021 16:05:21
1A14033-CCV6	**Water**	**1A14033**	**01/14/2021 16:10:32**
1A14033-CCB4	**Water**	**1A14033**	**01/14/2021 16:15:35**
1012867-BLK1	Water	1012867	01/14/2021 16:20:42
1012867-BS1	Water	1012867	01/14/2021 16:25:48
A1A0124-01	Water	1012867	01/14/2021 16:30:52
A1A0335-01	Water	1012867	01/14/2021 16:35:52
1012867-DUP1	Water	1012867	01/14/2021 16:40:55
1012867-MS1	Water	1012867	01/14/2021 16:45:58
A1A0387-01RE1	Water	1012867	01/14/2021 16:51:00
1012867-MSD1	Water	1012867	01/14/2021 16:56:02
1A14033-CCV7	**Water**	**1A14033**	**01/14/2021 17:01:08**
1A14033-CCB5	**Water**	**1A14033**	**01/14/2021 17:06:10**
1A14033-CCB6	**Water**	**1A14033**	**01/14/2021 17:11:17**
A0L0944-06RE2	Water	1012728	01/14/2021 17:16:25
1012728-DUP3	Water	1012728	01/14/2021 17:21:30
1012728-MS3	Water	1012728	01/14/2021 17:26:35
A0L0944-04RE1	Water	1012728	01/14/2021 17:31:40
A0L0944-05RE1	Water	1012728	01/14/2021 17:36:45
1A14033-CCV8	**Water**	**1A14033**	**01/14/2021 17:47:00**
1A14033-CCB7	**Water**	**1A14033**	**01/14/2021 17:52:03**

CALIBRATION LEVEL RECOVERIES OUTSIDE 90-110%

SampleID	Analyte	Result	Units	SpikeConc(ppb)	% Recovery
1A14033-CAL3	Zinc	2.25	ug/L	1.80	125
1A14033-CAL4	Copper	4.06	ug/L	3.60	113

MINIMUM CALIBRATION LEVELS

Analyte	MinCal	InitialUnits
Aluminum	45.000	ug/L
Arsenic	0.900	ug/L
Barium	0.900	ug/L
Beryllium	0.180	ug/L
Cadmium	0.900	ug/L
Chromium	0.900	ug/L
Cobalt	0.900	ug/L
Copper	0.900	ug/L
Iron	45.000	ug/L
Lead	0.180	ug/L
Manganese	0.900	ug/L
Mercury	72.000	ng/L
Molybdenum	0.900	ug/L
Nickel	0.900	ug/L
Selenium	0.180	ug/L
Silver	0.900	ug/L
Sodium	45.000	ug/L
Vanadium	0.900	ug/L
Zinc	1.800	ug/L

MINIMUM CRL LEVELS

Analyte	MinCRL	InitialUnits

MINIMUM SAMPLE REPORTING LEVELS

Analyte	Min. Inst. MRL	Units
Aluminum	50.000	ug/L
Arsenic	0.900	ug/L
Barium	0.900	ug/L
Beryllium	0.180	ug/L
Cadmium	0.180	ug/L
Chromium	1.000	ug/L
Cobalt	1.000	ug/L
Copper	1.800	ug/L
Iron	45.000	ug/L
Lead	0.180	ug/L
Manganese	1.000	ug/L
Mercury	72.000	ng/L
Molybdenum	5.000	ug/L
Nickel	2.000	ug/L
Selenium	0.900	ug/L
Silver	2.000	ug/L
Sodium	90.000	ug/L
Vanadium	2.000	ug/L
Zinc	4.000	ug/L

BRACKETING STANDARDS

1A14033-ICV1	**Water**	**Batch: 1A14033**	**Analyzed: 01/14/2021 12:08:40**
	1311/6020B	8	
	EPA 6020B	18	
1A14033-ICB1	**Water**	**Batch: 1A14033**	**Analyzed: 01/14/2021 12:13:42**
	1311/6020B	8	
	EPA 6020B	18	
1A14033-CCV1	**Water**	**Batch: 1A14033**	**Analyzed: 01/14/2021 13:20:59**
	1311/6020B	8	
	EPA 6020B	18	
1A14033-CCV2	**Water**	**Batch: 1A14033**	**Analyzed: 01/14/2021 13:26:01**
	1311/6020B	8	
	EPA 6020B	18	
1A14033-CCB1	**Water**	**Batch: 1A14033**	**Analyzed: 01/14/2021 13:31:04**
	1311/6020B	8	
	EPA 6020B	18	
1A14033-CCV3	**Water**	**Batch: 1A14033**	**Analyzed: 01/14/2021 14:28:14**
	1311/6020B	8	
	EPA 6020B	18	
1A14033-CCV4	**Water**	**Batch: 1A14033**	**Analyzed: 01/14/2021 14:33:19**
	1311/6020B	8	
	EPA 6020B	18	
1A14033-CCB2	**Water**	**Batch: 1A14033**	**Analyzed: 01/14/2021 14:38:24**
	1311/6020B	8	
	EPA 6020B	18	
1A14033-CCV5	**Water**	**Batch: 1A14033**	**Analyzed: 01/14/2021 15:34:30**
	1311/6020B	8	
	EPA 6020B	18	
1A14033-CCB3	**Water**	**Batch: 1A14033**	**Analyzed: 01/14/2021 15:39:35**
	1311/6020B	8	
	EPA 6020B	18	
1A14033-CCV6	**Water**	**Batch: 1A14033**	**Analyzed: 01/14/2021 16:10:32**
	1311/6020B	8	
	EPA 6020B	18	
1A14033-CCB4	**Water**	**Batch: 1A14033**	**Analyzed: 01/14/2021 16:15:35**
	1311/6020B	8	
	EPA 6020B	18	
1A14033-CCV7	**Water**	**Batch: 1A14033**	**Analyzed: 01/14/2021 17:01:08**
	1311/6020B	8	
	EPA 6020B	18	
1A14033-CCB5	**Water**	**Batch: 1A14033**	**Analyzed: 01/14/2021 17:06:10**
	1311/6020B	8	
	EPA 6020B	18	
1A14033-CCB6	**Water**	**Batch: 1A14033**	**Analyzed: 01/14/2021 17:11:17**
	1311/6020B	8	
	EPA 6020B	18	
1A14033-CCV8	**Water**	**Batch: 1A14033**	**Analyzed: 01/14/2021 17:47:00**

	1311/6020B	8	
	EPA 6020B	18	
1A14033-CCB7	**Water**	**Batch: 1A14033**	**Analyzed: 01/14/2021 17:52:03**
	1311/6020B	8	
	EPA 6020B	18	

CONTINUING CALIBRATION VERIFICATION

1A14033-CCV1

1A14033-CCV2

1A14033-CCV3

EPA 6020B	Result	True Value	%Rec	LCL	UCL	STDID	Status	Qualifiers
Nickel	**113.50**	100	**113**	90	110	A21A136	**FAIL**	A-01
	1	Failure(s)						

1A14033-CCV4

1A14033-CCV5

1A14033-CCV6

1A14033-CCV7

1A14033-CCV8

1 Reportable Failures in 8 CCVs

EXTRACTION BLANKS

0 Total Failures in 4 Blank(s)

LAB CONTROL SPIKES

0 Failures in 4 LCS/LCSDs

DUPLICATES

1012874-DUP1 **Ba (Barium) - 6020B - Total** (Source: A1A0480-03)

Analyte	Duplicate Result	Duplicate MDL	Source Result	Source MDL	RPD	RPDL	P/F	Qualifier	isRp?
Barium	7.58	2.69	9.763	2.747	**25**	**20**	**FAIL**	Q-04	True

1012874-DUP1 **Zn (Zinc) - 6020B - Total** (Source: A1A0480-03)

Analyte	Duplicate Result	Duplicate MDL	Source Result	Source MDL	RPD	RPDL	P/F	Qualifier	isRp?
Zinc	21.4	10.8	27.71	10.98	**26**	**20**	**FAIL**	Q-04	True

MATRIX SPIKES

1012728-MS3 (Source: A0L0944-06RE2) **0** **Failures**

1012850-MS1 (Source: A0K0482-21) **0** **Failures**

1012850-MSD1 (Source: A0K0482-21) **2** **Failures**

Manganese	**6020 Total**	**386**	**33.7**	**287**	**294**	**75**	**125**	**FAIL**	**Q-03**
Vanadium	**6020 Total**	**135**	**33.7**	**88.3**	**139**	**75**	**125**	**FAIL**	**Q-03**

1012867-MS1 (Source: A1A0335-01) **0** **Failures**

1012867-MSD1 (Source: A1A0335-01) **0** **Failures**

1012873-MS1 (Source: A1A0400-03) **0** **Failures**

1012873-MS2 (Source: A1A0478-01) **0** **Failures**

1012874-MS1 (Source: A1A0480-03) **0** **Failures**

1012874-MSD1 (Source: A1A0480-03) **0** **Failures**

SAMPLE HITS

Analyte	Analysis	IResult	FResult	Rpt?	FMDL	FMRL	Units	Dilution	Qualifier(s)
A1A0183-02									
Lead	Pb (Lead) - 6020B - TCLP	**1.95**	**0.0976**	YES	0.0250	**0.0500**	mg/L	10	
A1A0400-01									
			No Hits Found						
A1A0400-02									
			No Hits Found						
A1A0400-03									
			No Hits Found						
A1A0478-01									
Chromium	Cr (Chromium) - 6020B - TCLP	**2.70**	**0.135**	YES	0.0500	**0.100**	mg/L	10	
Lead	Pb (Lead) - 6020B - TCLP	**1.55**	**0.0775**	YES	0.0250	**0.0500**	mg/L	10	
A0K0482-07									
Arsenic	As (Arsenic) - 6020B - Total	**6.26**	**3.17**	YES	0.254	**0.507**	mg/kg	5	
Cadmium	Cd (Cadmium) - 6020B - Total	**0.20**	**0.102**	YES	0.0507	**0.101**	mg/kg	5	
Chromium	Cr (Chromium) - 6020B - Total	**40.46**	**20.5**	YES	0.254	**0.507**	mg/kg	5	
Copper	Cu (Copper) - 6020B - Total	**48.03**	**24.4**	YES	0.507	**1.01**	mg/kg	5	
Manganese	Mn (Manganese) - 6020B - Total	**683.09**	**346**	YES	0.254	**0.507**	mg/kg	5	
Lead	Pb (Lead) - 6020B - Total	**12.34**	**6.26**	YES	0.0507	**0.101**	mg/kg	5	
Vanadium	V (Vanadium) - 6020B - Total	**133.78**	**67.8**	YES	0.507	**1.01**	mg/kg	5	
Zinc	Zn (Zinc) - 6020B - Total	**119.27**	**60.5**	YES	1.01	**2.03**	mg/kg	5	
A0K0482-08									
Arsenic	As (Arsenic) - 6020B - Total	**5.99**	**3.82**	YES	0.319	**0.639**	mg/kg	5	
Cadmium	Cd (Cadmium) - 6020B - Total	0.13	0.0846	YES	0.0639	0.128	mg/kg	5	
Chromium	Cr (Chromium) - 6020B - Total	**37.54**	**24.0**	YES	0.319	**0.639**	mg/kg	5	
Copper	Cu (Copper) - 6020B - Total	**36.69**	**23.4**	YES	0.639	**1.28**	mg/kg	5	
Manganese	Mn (Manganese) - 6020B - Total	**618.55**	**395**	YES	0.319	**0.639**	mg/kg	5	
Lead	Pb (Lead) - 6020B - Total	**5.50**	**3.51**	YES	0.0639	**0.128**	mg/kg	5	
Vanadium	V (Vanadium) - 6020B - Total	**146.05**	**93.3**	YES	0.639	**1.28**	mg/kg	5	
Zinc	Zn (Zinc) - 6020B - Total	**96.35**	**61.5**	YES	1.28	**2.55**	mg/kg	5	
A0K0482-09									
Arsenic	As (Arsenic) - 6020B - Total	**5.90**	**3.70**	YES	0.313	**0.626**	mg/kg	5	
Chromium	Cr (Chromium) - 6020B - Total	**31.81**	**19.9**	YES	0.313	**0.626**	mg/kg	5	
Copper	Cu (Copper) - 6020B - Total	**33.30**	**20.8**	YES	0.626	**1.25**	mg/kg	5	
Manganese	Mn (Manganese) - 6020B - Total	**440.22**	**276**	YES	0.313	**0.626**	mg/kg	5	
Lead	Pb (Lead) - 6020B - Total	**5.67**	**3.55**	YES	0.0626	**0.125**	mg/kg	5	
Vanadium	V (Vanadium) - 6020B - Total	**132.00**	**82.6**	YES	0.626	**1.25**	mg/kg	5	
Zinc	Zn (Zinc) - 6020B - Total	**88.37**	**55.3**	YES	1.25	**2.50**	mg/kg	5	
A0K0482-10									
Arsenic	As (Arsenic) - 6020B - Total	**5.58**	**3.36**	YES	0.301	**0.603**	mg/kg	5	
Cadmium	Cd (Cadmium) - 6020B - Total	0.13	0.0780	YES	0.0603	0.121	mg/kg	5	
Chromium	Cr (Chromium) - 6020B - Total	**34.12**	**20.6**	YES	0.301	**0.603**	mg/kg	5	
Copper	Cu (Copper) - 6020B - Total	**33.58**	**20.2**	YES	0.603	**1.21**	mg/kg	5	
Manganese	Mn (Manganese) - 6020B - Total	**427.08**	**257**	YES	0.301	**0.603**	mg/kg	5	
Lead	Pb (Lead) - 6020B - Total	**5.44**	**3.28**	YES	0.0603	**0.121**	mg/kg	5	
Vanadium	V (Vanadium) - 6020B - Total	**136.53**	**82.3**	YES	0.603	**1.21**	mg/kg	5	
Zinc	Zn (Zinc) - 6020B - Total	**90.72**	**54.7**	YES	1.21	**2.41**	mg/kg	5	

SAMPLE HITS

Analyte	Analysis	IResult	FResult	Rpt?	FMDL	FMRL	Units	Dilution	Qualifier(s)
A0K0482-15									
Arsenic	As (Arsenic) - 6020B - Total	**7.20**	**6.30**	YES	0.438	**0.876**	mg/kg	5	
Cadmium	Cd (Cadmium) - 6020B - Total	**0.31**	**0.276**	YES	0.0876	**0.175**	mg/kg	5	
Chromium	Cr (Chromium) - 6020B - Total	**46.89**	**41.1**	YES	0.438	**0.876**	mg/kg	5	
Copper	Cu (Copper) - 6020B - Total	**62.75**	**55.0**	YES	0.876	**1.75**	mg/kg	5	
Manganese	Mn (Manganese) - 6020B - Total	**841.84**	**737**	YES	0.438	**0.876**	mg/kg	5	
Lead	Pb (Lead) - 6020B - Total	**22.38**	**19.6**	YES	0.0876	**0.175**	mg/kg	5	
Vanadium	V (Vanadium) - 6020B - Total	**141.83**	**124**	YES	0.876	**1.75**	mg/kg	5	
Zinc	Zn (Zinc) - 6020B - Total	**159.53**	**140**	YES	1.75	**3.50**	mg/kg	5	
A0K0482-16									
Arsenic	As (Arsenic) - 6020B - Total	**5.27**	**3.44**	YES	0.326	**0.652**	mg/kg	5	
Cadmium	Cd (Cadmium) - 6020B - Total	0.11	0.0705	YES	0.0652	0.130	mg/kg	5	
Chromium	Cr (Chromium) - 6020B - Total	**34.38**	**22.4**	YES	0.326	**0.652**	mg/kg	5	
Copper	Cu (Copper) - 6020B - Total	**34.95**	**22.8**	YES	0.652	**1.30**	mg/kg	5	
Manganese	Mn (Manganese) - 6020B - Total	**523.01**	**341**	YES	0.326	**0.652**	mg/kg	5	
Lead	Pb (Lead) - 6020B - Total	**8.66**	**5.64**	YES	0.0652	**0.130**	mg/kg	5	
Vanadium	V (Vanadium) - 6020B - Total	**138.89**	**90.5**	YES	0.652	**1.30**	mg/kg	5	
Zinc	Zn (Zinc) - 6020B - Total	**98.23**	**64.0**	YES	1.30	**2.61**	mg/kg	5	
A0K0482-17									
Arsenic	As (Arsenic) - 6020B - Total	**5.67**	**3.55**	YES	0.313	**0.625**	mg/kg	5	
Cadmium	Cd (Cadmium) - 6020B - Total	0.11	0.0683	YES	0.0625	0.125	mg/kg	5	
Chromium	Cr (Chromium) - 6020B - Total	**35.11**	**21.9**	YES	0.313	**0.625**	mg/kg	5	
Copper	Cu (Copper) - 6020B - Total	**34.45**	**21.5**	YES	0.625	**1.25**	mg/kg	5	
Manganese	Mn (Manganese) - 6020B - Total	**495.99**	**310**	YES	0.313	**0.625**	mg/kg	5	
Lead	Pb (Lead) - 6020B - Total	**7.25**	**4.53**	YES	0.0625	**0.125**	mg/kg	5	
Vanadium	V (Vanadium) - 6020B - Total	**140.70**	**88.0**	YES	0.625	**1.25**	mg/kg	5	
Zinc	Zn (Zinc) - 6020B - Total	**97.12**	**60.7**	YES	1.25	**2.50**	mg/kg	5	
A0K0482-18									
Arsenic	As (Arsenic) - 6020B - Total	**8.02**	**4.89**	YES	0.305	**0.610**	mg/kg	5	
Chromium	Cr (Chromium) - 6020B - Total	**36.21**	**22.1**	YES	0.305	**0.610**	mg/kg	5	
Copper	Cu (Copper) - 6020B - Total	**37.18**	**22.7**	YES	0.610	**1.22**	mg/kg	5	
Manganese	Mn (Manganese) - 6020B - Total	**599.03**	**365**	YES	0.305	**0.610**	mg/kg	5	
Lead	Pb (Lead) - 6020B - Total	**13.53**	**8.25**	YES	0.0610	**0.122**	mg/kg	5	
Vanadium	V (Vanadium) - 6020B - Total	**143.61**	**87.6**	YES	0.610	**1.22**	mg/kg	5	
Zinc	Zn (Zinc) - 6020B - Total	**122.33**	**74.6**	YES	1.22	**2.44**	mg/kg	5	
A0K0482-19									
Arsenic	As (Arsenic) - 6020B - Total	**6.04**	**4.11**	YES	0.340	**0.681**	mg/kg	5	
Cadmium	Cd (Cadmium) - 6020B - Total	0.15	0.105	YES	0.0681	0.136	mg/kg	5	
Chromium	Cr (Chromium) - 6020B - Total	**36.99**	**25.2**	YES	0.340	**0.681**	mg/kg	5	
Copper	Cu (Copper) - 6020B - Total	**36.45**	**24.8**	YES	0.681	**1.36**	mg/kg	5	
Manganese	Mn (Manganese) - 6020B - Total	**1,302.42**	**887**	YES	0.340	**0.681**	mg/kg	5	
Lead	Pb (Lead) - 6020B - Total	**5.53**	**3.76**	YES	0.0681	**0.136**	mg/kg	5	
Vanadium	V (Vanadium) - 6020B - Total	**135.70**	**92.4**	YES	0.681	**1.36**	mg/kg	5	
Zinc	Zn (Zinc) - 6020B - Total	**85.63**	**58.3**	YES	1.36	**2.72**	mg/kg	5	

SAMPLE HITS

Analyte	Analysis	IResult	FResult	Rpt?	FMDL	FMRL	Units	Dilution	Qualifier(s)
A0K0482-20									
Arsenic	As (Arsenic) - 6020B - Total	**5.17**	**3.69**	YES	0.357	**0.714**	mg/kg	5	
Cadmium	Cd (Cadmium) - 6020B - Total	0.12	0.0875	YES	0.0714	0.143	mg/kg	5	
Chromium	Cr (Chromium) - 6020B - Total	**30.87**	**22.0**	YES	0.357	**0.714**	mg/kg	5	
Copper	Cu (Copper) - 6020B - Total	**30.72**	**21.9**	YES	0.714	**1.43**	mg/kg	5	
Manganese	Mn (Manganese) - 6020B - Total	**476.21**	**340**	YES	0.357	**0.714**	mg/kg	5	
Lead	Pb (Lead) - 6020B - Total	**5.04**	**3.60**	YES	0.0714	**0.143**	mg/kg	5	
Vanadium	V (Vanadium) - 6020B - Total	**121.91**	**87.1**	YES	0.714	**1.43**	mg/kg	5	
Zinc	Zn (Zinc) - 6020B - Total	**80.39**	**57.4**	YES	1.43	**2.86**	mg/kg	5	
A0K0482-21									
Arsenic	As (Arsenic) - 6020B - Total	**5.19**	**3.52**	YES	0.339	**0.678**	mg/kg	5	
Cadmium	Cd (Cadmium) - 6020B - Total	0.12	0.0825	YES	0.0678	0.136	mg/kg	5	
Chromium	Cr (Chromium) - 6020B - Total	**33.25**	**22.6**	YES	0.339	**0.678**	mg/kg	5	
Copper	Cu (Copper) - 6020B - Total	**33.07**	**22.4**	YES	0.678	**1.36**	mg/kg	5	
Manganese	Mn (Manganese) - 6020B - Total	**422.47**	**287**	YES	0.339	**0.678**	mg/kg	5	Q-42
Lead	Pb (Lead) - 6020B - Total	**5.03**	**3.41**	YES	0.0678	**0.136**	mg/kg	5	
Vanadium	V (Vanadium) - 6020B - Total	**130.22**	**88.3**	YES	0.678	**1.36**	mg/kg	5	Q-42
Zinc	Zn (Zinc) - 6020B - Total	**85.22**	**57.8**	YES	1.36	**2.71**	mg/kg	5	
A0K0482-22									
Arsenic	As (Arsenic) - 6020B - Total	**5.44**	**3.64**	YES	0.335	**0.670**	mg/kg	5	
Cadmium	Cd (Cadmium) - 6020B - Total	0.13	0.0866	YES	0.0670	0.134	mg/kg	5	
Chromium	Cr (Chromium) - 6020B - Total	**30.73**	**20.6**	YES	0.335	**0.670**	mg/kg	5	
Copper	Cu (Copper) - 6020B - Total	**33.21**	**22.2**	YES	0.670	**1.34**	mg/kg	5	
Manganese	Mn (Manganese) - 6020B - Total	**579.50**	**388**	YES	0.335	**0.670**	mg/kg	5	
Lead	Pb (Lead) - 6020B - Total	**5.51**	**3.69**	YES	0.0670	**0.134**	mg/kg	5	
Vanadium	V (Vanadium) - 6020B - Total	**128.35**	**86.0**	YES	0.670	**1.34**	mg/kg	5	
Zinc	Zn (Zinc) - 6020B - Total	**84.49**	**56.6**	YES	1.34	**2.68**	mg/kg	5	
A1A0480-01									
Aluminum	Al (Aluminum) - 6020B - Total	**289.85**	**1280**	YES	111	**221**	mg/kg	10	
Cobalt	Co (Cobalt) - 6020B - Total	**7.80**	**34.5**	YES	2.21	**4.42**	mg/kg	10	
Chromium	Cr (Chromium) - 6020B - Total	**5.99**	**26.5**	YES	4.42	**8.85**	mg/kg	10	
Copper	Cu (Copper) - 6020B - Total	**17.78**	**78.7**	YES	4.42	**8.85**	mg/kg	10	
Iron	Fe (Iron) - 6020B - Total	**2,350.24**	**10400**	YES	111	**221**	mg/kg	10	
Manganese	Mn (Manganese) - 6020B - Total	**28.08**	**124**	YES	2.21	**4.42**	mg/kg	10	
Nickel	Ni (Nickel) - 6020B - Total	**8.89**	**39.3**	YES	4.42	**8.85**	mg/kg	10	
Zinc	Zn (Zinc) - 6020B - Total	**463.54**	**2050**	YES	8.85	**17.7**	mg/kg	10	
A1A0480-02									
Aluminum	Al (Aluminum) - 6020B - Total	**3,294.96**	**18300**	YES	139	**278**	mg/kg	10	
Barium	Ba (Barium) - 6020B - Total	**13.52**	**75.1**	YES	2.78	**5.56**	mg/kg	10	
Copper	Cu (Copper) - 6020B - Total	1.53	8.52	YES	5.56	11.1	mg/kg	10	
Iron	Fe (Iron) - 6020B - Total	**1,725.88**	**9590**	YES	139	**278**	mg/kg	10	
Manganese	Mn (Manganese) - 6020B - Total	**2.39**	**13.3**	YES	2.78	**5.56**	mg/kg	10	
Zinc	Zn (Zinc) - 6020B - Total	**8.06**	**44.8**	YES	11.1	**22.2**	mg/kg	10	
A1A0480-03									
Aluminum	Al (Aluminum) - 6020B - Total	**3,367.24**	**18500**	YES	137	**275**	mg/kg	10	
Barium	Ba (Barium) - 6020B - Total	**1.78**	**9.76**	YES	2.75	**5.49**	mg/kg	10	Q-42
Copper	Cu (Copper) - 6020B - Total	1.40	7.71	YES	5.49	11.0	mg/kg	10	
Iron	Fe (Iron) - 6020B - Total	**1,736.23**	**9540**	YES	137	**275**	mg/kg	10	
Manganese	Mn (Manganese) - 6020B - Total	**2.21**	**12.1**	YES	2.75	**5.49**	mg/kg	10	
Zinc	Zn (Zinc) - 6020B - Total	**5.04**	**27.7**	YES	11.0	**22.0**	mg/kg	10	Q-42

SEQUENCE REVIEW SHEET

SEQUENCE: **1A14033** INSTRUMENT: **ICPMS5** **Seq. Date: 01/14/2021**

SAMPLE HITS

Analyte	Analysis	IResult	FResult	Rpt?	FMDL	FMRL	Units	Dilution	Qualifier(s)
A1A0480-01RE1									
Barium	Ba (Barium) - 6020B - Total	**255.00**	**56400**	YES	111	**221**	mg/kg	500	
A1A0124-01									
Lead	Pb (Lead) - 6020B - Total	**7.49**	**8.32**	YES	0.100	**0.200**	ug/L	1	
A1A0335-01									
Arsenic	As (Arsenic) - 6020B - Total	**1.01**	**1.12**	YES	0.500	**1.00**	ug/L	1	
Barium	Ba (Barium) - 6020B - Total	**3.97**	**4.41**	YES	0.500	**1.00**	ug/L	1	
Iron	Fe (Iron) - 6020B - Total	**91.31**	**101**	YES	25.0	**50.0**	ug/L	1	
A1A0387-01RE1									
Barium	Ba (Barium) - 6020B - Total	**4.70**	**5.23**	YES	0.500	**1.00**	ug/L	1	
A0L0944-06RE2									
		No Hits Found							
A0L0944-04RE1									
Sodium	Na (Sodium) - 6020B - Total	**23,132.43**	**2570000**	YES	5000	**10000**	ug/L	100	
A0L0944-05RE1									
Sodium	Na (Sodium) - 6020B - Total	**22,273.77**	**2470000**	YES	5000	**10000**	ug/L	100	

ANALYTE QUALIFIERS

1012873-BLK1	**8 Reportable Qualifier(s)**		
Analyte	*Qualifier*	Text	Rpt?
Arsenic	TCLP	1012842	YES
Chromium	TCLP	1012842	YES
Lead	TCLP	1012842	YES
Mercury	TCLP	1012842	YES
Barium	TCLP	1012842	YES
Silver	TCLP	1012842	YES
Cadmium	TCLP	1012842	YES
Selenium	TCLP	1012842	YES
1012873-BS1	**8 Reportable Qualifier(s)**		
Analyte	*Qualifier*	Text	Rpt?
Chromium	TCLP	1012842	YES
Arsenic	TCLP	1012842	YES
Lead	TCLP	1012842	YES
Silver	TCLP	1012842	YES
Cadmium	TCLP	1012842	YES
Barium	TCLP	1012842	YES
Mercury	TCLP	1012842	YES
Selenium	TCLP	1012842	YES
1A14033-CCV1			
Analyte	*Qualifier*	Text	
Iron	A-01	Subsequent CCV reshot passes	
1A14033-CCV3			
Analyte	*Qualifier*	Text	
Copper	A-01	Subsequent CCV reshot passes	
Nickel	A-01	Subsequent CCV reshot passes	
A0K0482-21	**1 Reportable Qualifier(s)**		
Analyte	*Qualifier*	Text	Rpt?
Manganese	Q-42		YES
A0K0482-21	**1 Reportable Qualifier(s)**		
Analyte	*Qualifier*	Text	Rpt?
Vanadium	Q-42		YES
1012850-MSD1	**2 Reportable Qualifier(s)**		
Analyte	*Qualifier*	Text	Rpt?
Manganese	Q-03		YES
Vanadium	Q-03		YES
A1A0480-03	**1 Reportable Qualifier(s)**		
Analyte	*Qualifier*	Text	Rpt?
Barium	Q-42		YES
A1A0480-03	**1 Reportable Qualifier(s)**		
Analyte	*Qualifier*	Text	Rpt?
Zinc	Q-42		YES
1012874-DUP1	**2 Reportable Qualifier(s)**		
Analyte	*Qualifier*	Text	Rpt?
Barium	Q-04		YES
Zinc	Q-04		YES
1012728-DUP3	**1 Reportable Qualifier(s)**		
Analyte	*Qualifier*	Text	Rpt?
Beryllium	Q-16		YES
1012728-MS3	**1 Reportable Qualifier(s)**		
Analyte	*Qualifier*	Text	Rpt?
Beryllium	Q-16		YES

SAMPLE QUALIFIERS

Analyte	Qualifier	CustomValue

US EPA Tune Check Report

Operator Name	ICPMS Analyst
Acq/Data Batch	E:\Agilent\ICPMH\Data\1A14033.b
Acq. Date-Time	01/14/2021 09:13:26
Report Comment	1A14033 Multi-mode Tune Report A20K223
Instrument Name	7700x JP09240003

[H2]

Sensitivity

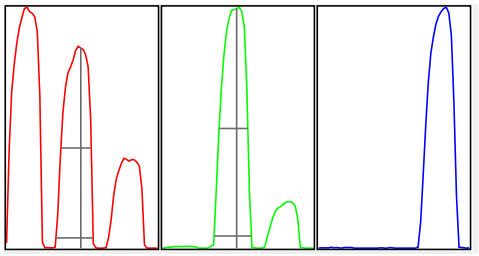
Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
59	1.00	254	2542.04	1000.00		1.303	5.000
89	1.00	1143	11433.32	1000.00		1.799	5.000
78		1	5.00			69.642	

Mass	RSD% (Flag)
59	
89	
78	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
59	256	259	254	251	251
89	1137	1157	1150	1161	1110
78	0	1	0	0	1

Integration Time [sec] 0.1

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
59	439.66	59.00	58.90 - 59.10	
89	2097.66	89.00	88.90 - 89.10	
78			-	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
59	0.60	0.734	0.900	
89	0.56	0.731	0.900	
78				

Integration Time [sec] 0.1

Acquisition Time [sec] 100.35

Y Axis Linear

US EPA Tune Check Report

Tune Parameters

Plasma Parameters

Plasma Mode	---	Nebulizer Gas	1.12 L/min	Makeup Gas	0.00 L/min
RF Power	1550 W	Option Gas	0.0 %	Auxiliary Gas	0.90 L/min
RF Matching	1.95 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	9.8 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	1.0 V	Omega Lens	8.7 V	Deflect	2.4 V
Extract 2	-200.0 V	Cell Entrance	-40 V	Plate Bias	-75 V
Omega Bias	-90 V	Cell Exit	-50 V		

Cell Parameters

Use Gas	Yes	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	0.0 mL/min	OctP Bias	-18.0 V		
H2 Flow	3.0 mL/min	OctP RF	200 V		

QP Parameters

Mass Gain	116	Axis Gain	0.9979	QP Bias	-13.0 V
Mass Offset	126	Axis Offset	-0.02		

Hardware Settings

Torch

Torch H	-0.7 mm	Torch V	-1.0 mm

EM

Discriminator	4.5 mV	Analog HV	2065 V	Pulse HV	1504 V

[He]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
59	1.00	280	2801.81	1000.00		3.176	5.000
89	1.00	237	2372.82	1000.00		2.633	5.000
205	1.00	436	4357.26	1000.00		0.773	5.000
75		1	5.30			33.753	

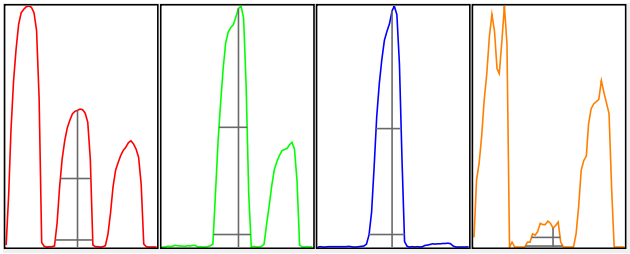
Mass	RSD% (Flag)
59	
89	
205	
75	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
59	272	271	283	284	292
89	227	243	242	236	239
205	437	432	433	436	440
75	0	1	1	1	1

Integration Time [sec] 0.1

Resolution/Axis

US EPA Tune Check Report



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
59	483.43	58.95	58.90 - 59.10	
89	451.67	89.05	88.90 - 89.10	
205	912.49	205.00	204.90 - 205.10	
75	0.80	75.10	-	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
59	0.60	0.734	0.900	
89	0.55	0.729	0.900	
205	0.50	0.695	0.900	
75	0.56	0.730		

Integration Time [sec]	0.1
Acquisition Time [sec]	134.8
Y Axis	Linear

Tune Parameters

Plasma Parameters

Plasma Mode	---	Nebulizer Gas	1.12 L/min	Makeup Gas	0.00 L/min
RF Power	1550 W	Option Gas	0.0 %	Auxiliary Gas	0.90 L/min
RF Matching	1.95 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	9.8 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	1.0 V	Omega Lens	8.7 V	Deflect	4.4 V
Extract 2	-200.0 V	Cell Entrance	-40 V	Plate Bias	-75 V
Omega Bias	-90 V	Cell Exit	-60 V		

Cell Parameters

Use Gas	Yes	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	3.3 mL/min	OctP Bias	-18.0 V		
H2 Flow	0.0 mL/min	OctP RF	200 V		

QP Parameters

Mass Gain	116	Axis Gain	0.9979	QP Bias	-13.0 V
Mass Offset	126	Axis Offset	-0.02		

Hardware Settings

Torch

Torch H	-0.7 mm	Torch V	-1.0 mm

EM

Discriminator	4.5 mV	Analog HV	2065 V	Pulse HV	1504 V

US EPA Tune Check Report

[NoGas]

Sensitivity

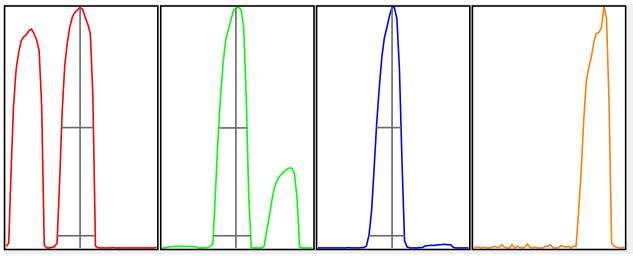
Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
7	1.00	506	5056.14	1000.00		4.945	5.000
89	1.00	1427	14272.87	1000.00		3.548	5.000
205	1.00	605	6054.59	1000.00		3.529	5.000
102		0	2.60			34.401	

Mass	RSD% (Flag)
7	
89	
205	
102	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
7	465	500	516	527	520
89	1348	1410	1443	1472	1464
205	574	596	607	628	622
102	0	0	0	0	0

Integration Time [sec] 0.1

Resolution/Axis



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
7	844.61	7.00	6.90 - 7.10	
89	2679.84	89.00	88.90 - 89.10	
205	1282.65	205.00	204.90 - 205.10	
102			-	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
7	0.62	0.740	0.900	
89	0.55	0.731	0.900	
205	0.49	0.701	0.900	
102				

Integration Time [sec] 0.1

Acquisition Time [sec] 135.3

Y Axis Linear

Tune Parameters

Plasma Parameters

US EPA Tune Check Report

Plasma Mode	---	Nebulizer Gas	1.12 L/min	Makeup Gas	0.00 L/min
RF Power	1550 W	Option Gas	0.0 %	Auxiliary Gas	0.90 L/min
RF Matching	1.95 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	9.8 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	1.0 V	Omega Lens	8.7 V	Deflect	17.0 V
Extract 2	-200.0 V	Cell Entrance	-40 V	Plate Bias	-70 V
Omega Bias	-90 V	Cell Exit	-60 V		

Cell Parameters

Use Gas	No	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	0.0 mL/min	OctP Bias	-8.0 V		
H2 Flow	0.0 mL/min	OctP RF	200 V		

QP Parameters

Mass Gain	116	Axis Gain	0.9979	QP Bias	-3.0 V
Mass Offset	126	Axis Offset	-0.02		

Hardware Settings

Torch

Torch H	-0.7 mm	Torch V	-1.0 mm		

EM

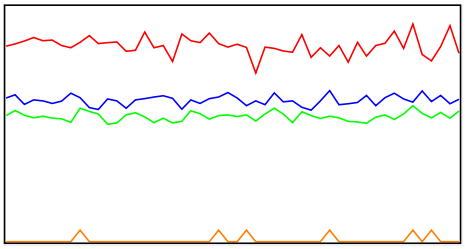
Discriminator	4.5 mV	Analog HV	2065 V	Pulse HV	1504 V

Tune Check Report

Operator Name	ICPMS Analyst
Acq/Data Batch	E:\Agilent\ICPMH\Data\1A14033.b
Acq. Date-Time	01/14/2021 09:18:08
Report Comment	1A14033 Multi-mode Tune Report A20K223
Instrument Name	7700x JP09240003

[NoGas]

Sensitivity



Sampling Period [sec]	0.413
Integration Time [sec]	0.1

Mass	Range	Count	Resp [cps/ug/l]	Resp (Required) [cps/ug/l]	Resp (Flag)
7	1000	835	8345.47	1000.00	
89	5000	2665	26648.01	1000.00	
205	2000	1202	12024.95	1000.00	
102	20	0			

Mass	Resp Ratio	Resp Ratio (Required)	Resp Ratio (Flag)
7		-	
89		-	
205		-	
102		-	

Mass	RSD%	RSD% (Required)	RSD% (Flag)
7	4.711	5.000	
89	3.454	5.000	
205	3.441	5.000	
102	273.551		

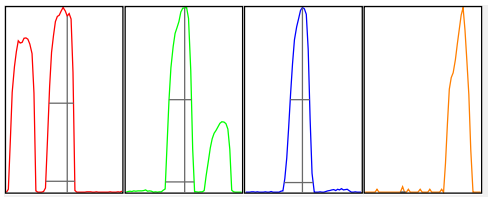
Mass	Background	Background (Required)	Background (Flag)
7	1.500	10.000	
89	1.300	10.000	
205	3.100	30.000	
102	2.200		

Oxide/Doubly Charged Ratio

Oxide	156 / 140 1.598 %
Doubly Charged	69 / 138 1.758 %

Resolution/Axis

Tune Check Report



Integration Time [sec]	0.1
Acquisition Time [sec]	30.12
Y Axis	Linear

Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
7	813.72	7.10	6.90 - 7.10	
89	2733.50	89.05	88.90 - 89.10	
205	1230.79	205.00	204.90 - 205.10	
102	0.00	101.55	-	

Mass	W-50%	W-5%	W-5% (Required)	W-5% (Flag)
7	0.63	0.739	0.900	
89	0.57	0.731	0.900	
205	0.49	0.741	0.900	
102	0.13	0.125		

Tune Parameters

Plasma Parameters

Plasma Mode	---	Nebulizer Gas	1.12 L/min	Makeup Gas	0.00 L/min
RF Power	1550 W	Option Gas	0.0 %	Auxiliary Gas	0.90 L/min
RF Matching	1.95 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	9.8 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	1.0 V	Omega Lens	8.7 V	Deflect	17.0 V
Extract 2	-200.0 V	Cell Entrance	-40 V	Plate Bias	-70 V
Omega Bias	-90 V	Cell Exit	-60 V		

Cell Parameters

Use Gas	No	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	0.0 mL/min	OctP Bias	-8.0 V		
H2 Flow	0.0 mL/min	OctP RF	200 V		

QP Parameters

Mass Gain	116	Axis Gain	0.9979	QP Bias	-3.0 V
Mass Offset	126	Axis Offset	-0.02		

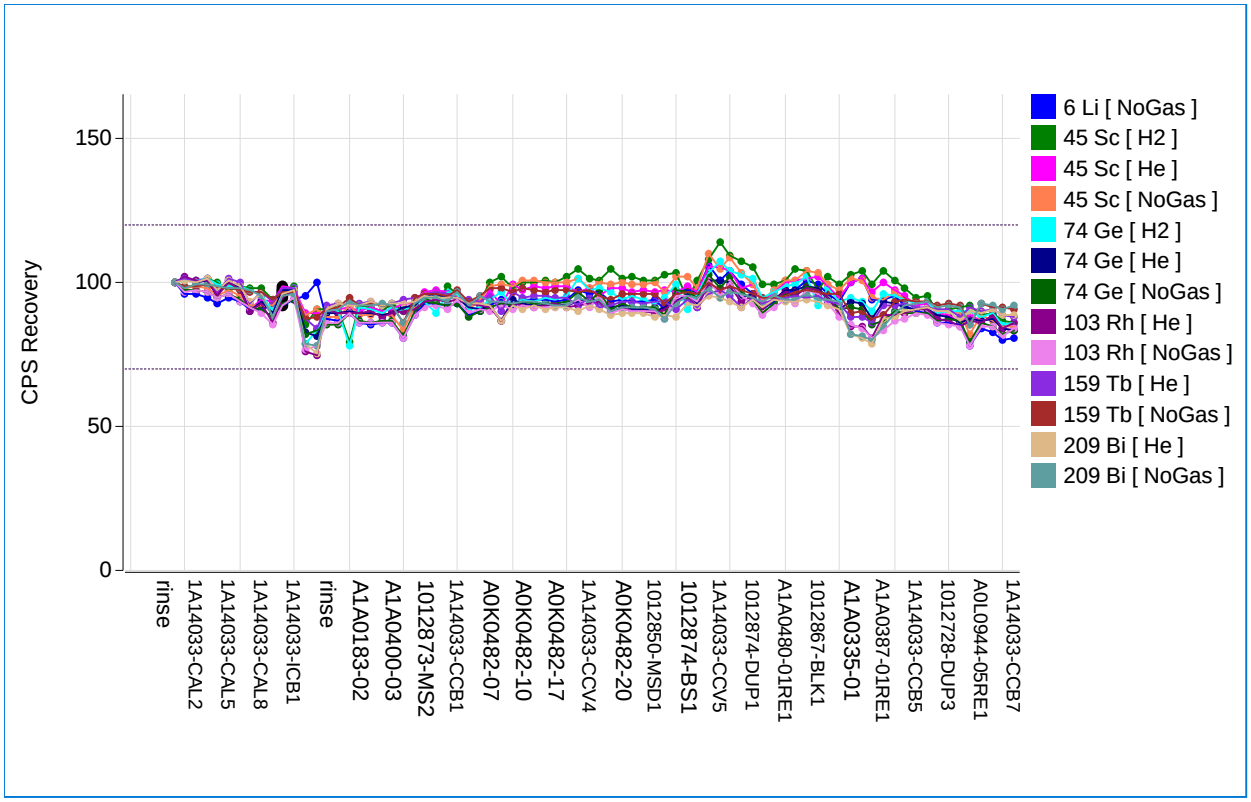
Hardware Settings

Torch

Torch H	-0.7 mm	Torch V	-1.0 mm		

EM

Discriminator	4.5 mV	Analog HV	2065 V	Pulse HV	1504 V

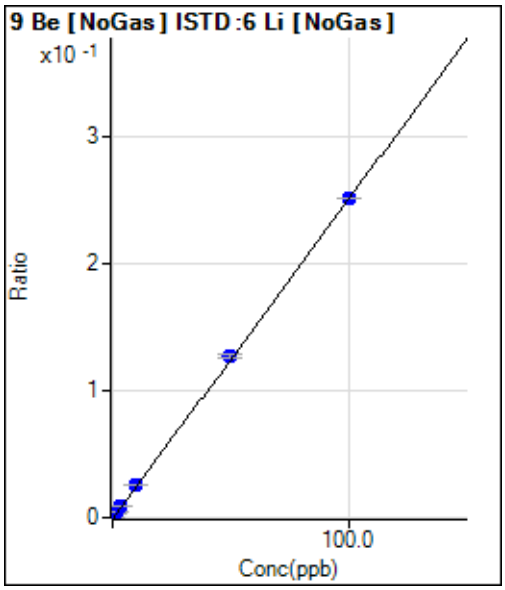

CPS Recovery
150
100
50
0
rinse
1A14033-CAL2
1A14033-CAL5
1A14033-CAL8
1A14033-ICB1
rinse
A1A0183-02
A1A0400-03
1012873-MS2
1A14033-CCB1
A0K0482-07
A0K0482-10
A0K0482-17
1A14033-CCV4
A0K0482-20
1012850-MSD1
1012874-BS1
1A14033-CCV5
1012874-DUP1
A1A0480-01RE1
1012867-BLK1
A1A0335-01
A1A0387-01RE1
1A14033-CCB5
1012728-DUP3
A0L0944-05RE1
1A14033-CCB7
6 Li [NoGas]
45 Sc [H2]
45 Sc [He]
45 Sc [NoGas]
74 Ge [H2]
74 Ge [He]
74 Ge [NoGas]
103 Rh [He]
103 Rh [NoGas]
159 Tb [He]
159 Tb [NoGas]
209 Bi [He]
209 Bi [NoGas]

Calibration for 015_ICV.d

Batch Folder: E:\Agilent\ICPMH\Data\1A14033a.b\
Analysis File: 1A14033a.batch.bin
DA Date-Time: 01/14/2021 14:31:49
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	005CALB.d	1A14033-CAL0	01/14/2021 11:13:03
2	006CALS.d	1A14033-CAL1	01/14/2021 11:18:44
3	007CALS.d	1A14033-CAL2	01/14/2021 11:24:08
4	008CALS.d	1A14033-CAL3	01/14/2021 11:29:31
5	009CALS.d	1A14033-CAL4	01/14/2021 11:34:54
6	010CALS.d	1A14033-CAL5	01/14/2021 11:40:17
7	011CALS.d	1A14033-CAL6	01/14/2021 11:45:40
8	012CALS.d	1A14033-CAL7	01/14/2021 11:51:01
9	013CALS.d	1A14033-CAL8	01/14/2021 11:56:22
10	014CALS.d	1A14033-CAL9	01/14/2021 12:01:36

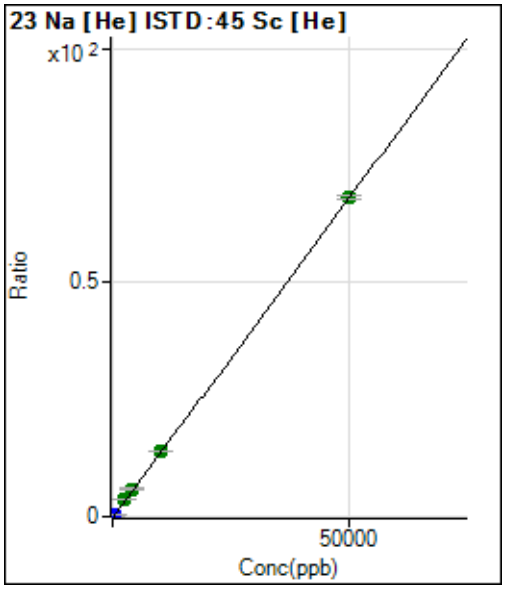
Calibration for 015_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	23	0.00	P	27.7	
2	☐	0.180	0.167	297	0.00	P	19.7	-7.1
3	☐	0.900	0.941	1563	0.00	P	7.1	4.6
4	☐	1.800	1.864	3039	0.00	P	2.4	3.6
5	☐	3.600	3.750	5953	0.01	P	1.4	4.2
6	☐	10.000	10.048	16341	0.03	P	2.6	0.5
7	☐	50.000	50.483	80838	0.13	P	1.9	1.0
8	☐	100.000	99.747	154395	0.25	P	0.3	-0.3
9	☐			86	0.00	P	14.1	
10	☐			62	0.00	P	18.9	

y = 0.0025 * x + 3.4243E-005
R = 1.0000
DL = 0.01127 ppb
BEC = 0.01358 ppb

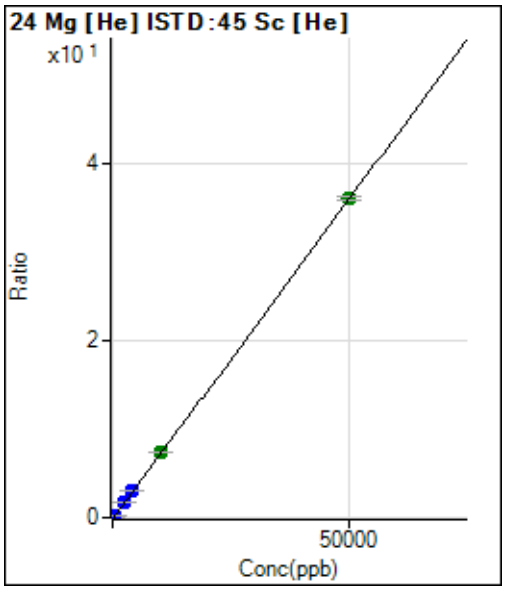
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	5346	0.02	P	2.8	
2	☐			8698	0.03	P	2.8	
3	☐	45.000	44.464	23085	0.08	P	1.4	-1.2
4	☐	90.000	90.805	41887	0.14	P	3.8	0.9
5	☐	180.000	191.591	77919	0.28	P	3.2	6.4
6	☐	400.000	398.261	164060	0.56	P	2.8	-0.4
7	☐	2500.000	2589.103	1010449	3.56	A	1.1	3.6
8	☐	4000.000	4315.144	1555246	5.91	A	5.0	7.9
9	☐	10000.000	10193.195	3808135	13.94	A	0.3	1.9
10	☐	50000.000	49931.666	18522797	68.23	A	1.6	-0.1

y = 0.0014 * x + 0.0184
R = 1.0000
DL = 1.129 ppb
BEC = 13.45 ppb

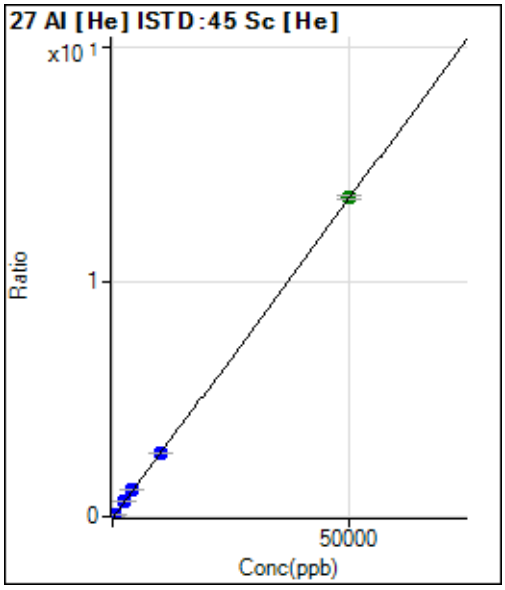
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	2632	0.01	P	4.5	
2	☐			4592	0.02	P	2.7	
3	☐	45.000	47.579	12678	0.04	P	3.1	5.7
4	☐	90.000	91.919	22214	0.08	P	2.7	2.1
5	☐	180.000	193.114	41342	0.15	P	5.4	7.3
6	☐	400.000	398.216	86615	0.30	P	4.5	-0.4
7	☐	2500.000	2510.403	518535	1.82	P	0.5	0.4
8	☐	4000.000	4147.842	791398	3.01	P	4.5	3.7
9	☐	10000.000	10255.662	2028026	7.43	A	1.0	2.6
10	☐	50000.000	49936.481	9805827	36.12	A	1.8	-0.1

y = 7.2315E-004 * x + 0.0090
R = 1.0000
DL = 1.692 ppb
BEC = 12.5 ppb

Weight: <None>
Min Conc: <None>

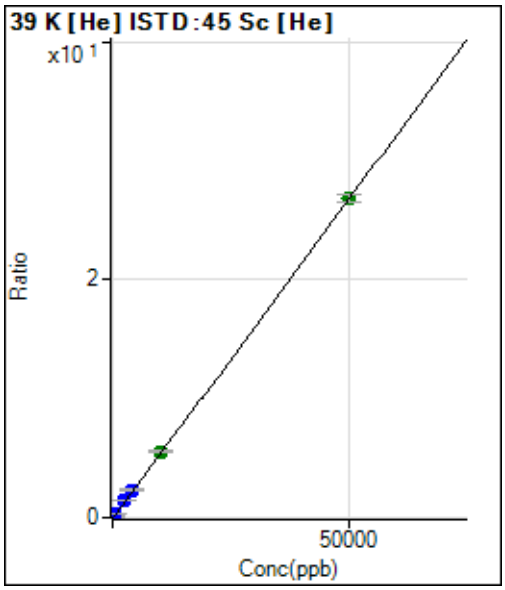


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	43	0.00	P	40.3	
2	☐			772	0.00	P	1.7	
3	☐	45.000	46.046	3706	0.01	P	3.5	2.3
4	☐	90.000	91.515	7383	0.03	P	3.3	1.7
5	☐	180.000	195.717	14881	0.05	P	4.5	8.7
6	☐	400.000	403.869	32158	0.11	P	4.0	1.0
7	☐	2500.000	2541.566	196987	0.69	P	0.3	1.7
8	☐	4000.000	4191.665	300604	1.14	P	5.1	4.8
9	☐	10000.000	9991.874	744072	2.72	P	0.7	-0.1
10	☐	50000.000	49984.123	3699893	13.63	A	1.1	0.0

y = 2.7264E-004 * x + 1.4851E-004
R = 1.0000
DL = 0.6582 ppb
BEC = 0.5447 ppb

Weight: <None>
Min Conc: <None>

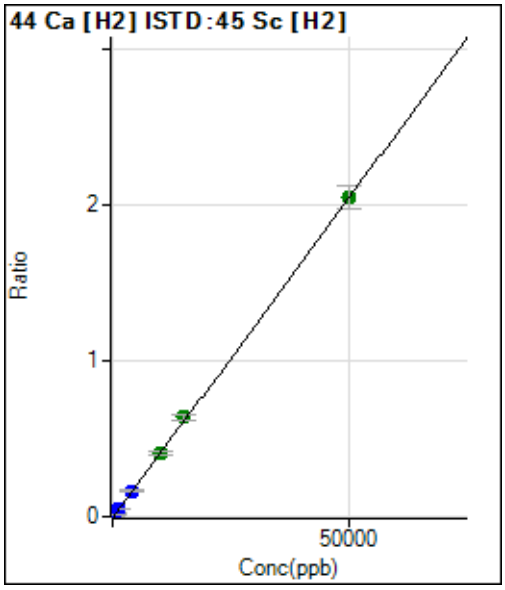
Calibration for 015_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	10308	0.04	P	3.3	
2	☐			11889	0.04	P	2.0	
3	☐	45.000	48.841	17986	0.06	P	0.3	8.5
4	☐	90.000	90.712	24745	0.08	P	2.9	0.8
5	☐	180.000	197.004	39278	0.14	P	3.4	9.4
6	☐	400.000	404.387	73660	0.25	P	3.6	1.1
7	☐	2500.000	2563.880	401332	1.41	P	0.7	2.6
8	☐	4000.000	4224.700	605825	2.30	P	5.6	5.6
9	☐	10000.000	10319.571	1523034	5.58	A	1.1	3.2
10	☐	50000.000	49914.815	7284980	26.84	A	2.5	-0.2

y = 5.3694E-004 * x + 0.0354
R = 1.0000
DL = 6.434 ppb
BEC = 65.95 ppb

Weight: <None>
Min Conc: <None>

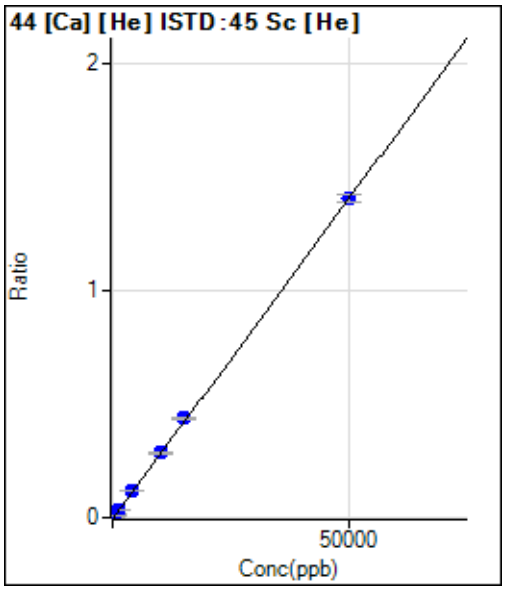


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	760	0.00	P	33.2	
2	☐			8420	0.00	P	1.7	
3	☐	270.000	286.784	40185	0.01	P	7.3	6.2
4	☐	540.000	569.243	79971	0.02	P	4.9	5.4
5	☐	1080.000	1124.884	154923	0.05	P	5.1	4.2
6	☐	400.000	419.086	56953	0.02	P	2.7	4.8
7	☐	15000.000	15487.795	2096485	0.64	A	5.7	3.3
8	☐	4000.000	3980.758	536704	0.16	P	4.1	-0.5
9	☐	10000.000	9883.232	1329142	0.41	A	4.0	-1.2
10	☐	50000.000	49877.026	6422261	2.05	A	6.9	-0.2

y = 4.1149E-005 * x + 2.2376E-004
R = 0.9999
DL = 5.422 ppb
BEC = 5.438 ppb

Weight: <None>
Min Conc: <None>

Calibration for 015_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	80	0.00	P	24.6	
2	☐			549	0.00	P	5.5	
3	☐	270.000	279.690	2381	0.01	P	0.8	3.6
4	☐	540.000	561.354	4736	0.02	P	3.5	4.0
5	☐	1080.000	1176.838	9298	0.03	P	7.3	9.0
6	☐	400.000	394.484	3321	0.01	P	7.7	-1.4
7	☐	15000.000	15465.698	124017	0.44	P	0.9	3.1
8	☐	4000.000	4234.695	31484	0.12	P	4.1	5.9
9	☐	10000.000	10092.563	77799	0.28	P	1.1	0.9
10	☐	50000.000	49820.672	381413	1.41	P	2.2	-0.4

y = 2.8196E-005 * x + 2.7437E-004

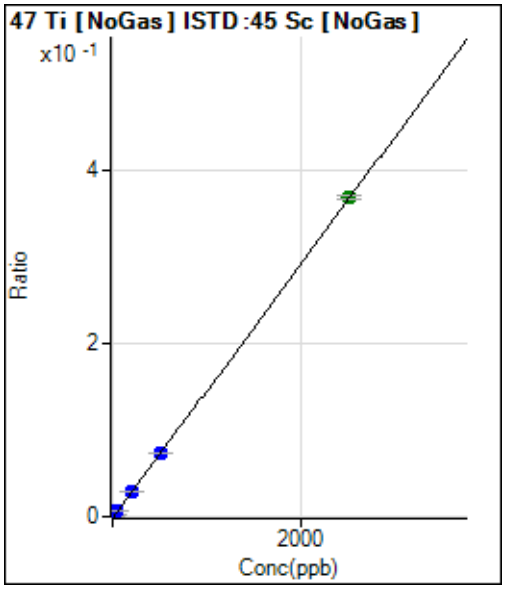
R = 0.9999

DL = 7.179 ppb

BEC = 9.731 ppb

Weight: <None>

Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	62	0.00	P	42.3	
2	☐			262	0.00	P	13.6	
3	☐	0.900	0.906	903	0.00	P	9.7	0.7
4	☐	1.800	1.848	1769	0.00	P	3.7	2.7
5	☐	3.600	3.596	3287	0.00	P	1.3	-0.1
6	☐	20.000	19.993	18357	0.00	P	2.4	0.0
7	☐	50.000	50.470	45545	0.01	P	4.5	0.9
8	☐	200.000	197.165	171441	0.03	P	1.2	-1.4
9	☐	500.000	499.676	432436	0.07	P	1.9	-0.1
10	☐	2500.000	2500.282	2161756	0.37	A	1.6	0.0

y = 1.4787E-004 * x + 9.6910E-006

R = 1.0000

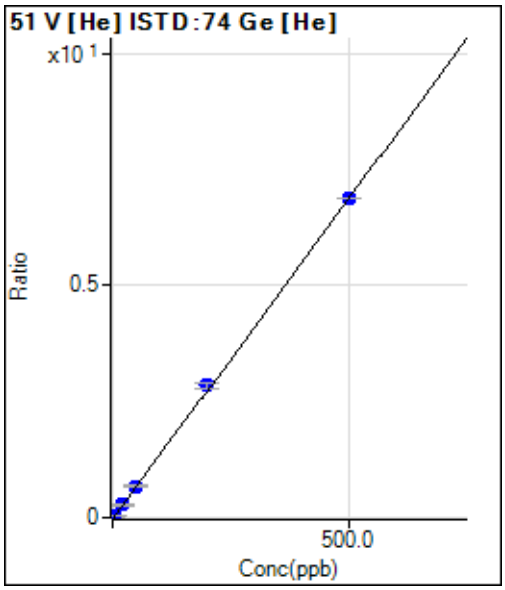
DL = 0.08321 ppb

BEC = 0.06554 ppb

Weight: <None>

Min Conc: <None>

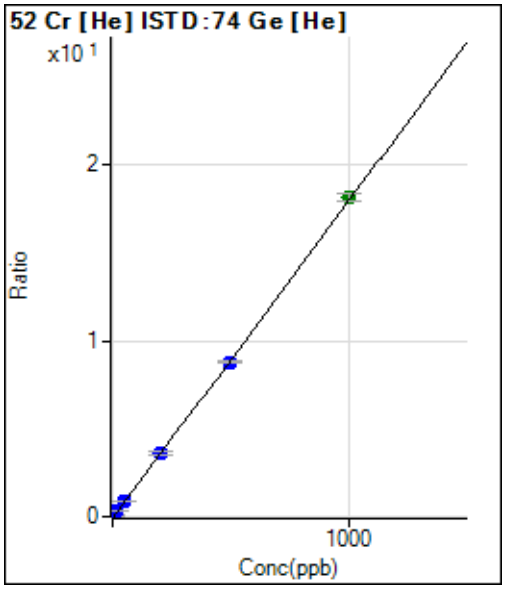
Calibration for 015_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	331	0.00	P	0.8	
2	☐			640	0.01	P	4.7	
3	☐	0.900	0.894	1830	0.02	P	1.7	-0.6
4	☐	1.800	1.792	3344	0.03	P	2.4	-0.5
5	☐	3.600	3.696	6195	0.05	P	5.6	2.7
6	☐	20.000	19.558	33159	0.27	P	2.7	-2.2
7	☐	50.000	49.179	80624	0.68	P	1.2	-1.6
8	☐	200.000	205.413	308221	2.84	P	5.1	2.7
9	☐	500.000	497.934	777364	6.88	P	0.4	-0.4
10	☐			365	0.00	P	1.5	

y = 0.0138 * x + 0.0027
R = 0.9999
DL = 0.004956 ppb
BEC = 0.1974 ppb

Weight: <None>
Min Conc: <None>

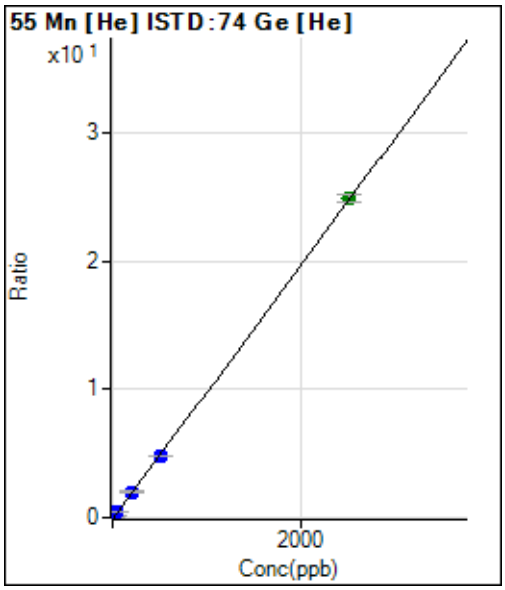


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	100	0.00	P	12.1	
2	☐			478	0.00	P	18.8	
3	☐	0.900	0.864	1993	0.02	P	3.1	-4.0
4	☐	1.800	1.762	3973	0.03	P	3.8	-2.1
5	☐	3.600	3.674	7733	0.07	P	8.1	2.1
6	☐	20.000	19.153	42127	0.35	P	2.1	-4.2
7	☐	50.000	48.105	102777	0.87	P	1.2	-3.8
8	☐	200.000	202.074	395979	3.65	P	5.7	1.0
9	☐	500.000	487.058	993689	8.80	P	0.6	-2.6
10	☐	1000.000	1006.168	1969183	18.17	A	1.9	0.6

y = 0.0181 * x + 8.2517E-004
R = 0.9999
DL = 0.01661 ppb
BEC = 0.04569 ppb

Weight: <None>
Min Conc: <None>

Calibration for 015_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	92	0.00	P	14.7	
2	☐			282	0.00	P	15.4	
3	☐	0.900	0.862	1135	0.01	P	5.2	-4.2
4	☐	1.800	1.760	2229	0.02	P	2.4	-2.2
5	☐	3.600	3.667	4295	0.04	P	9.1	1.9
6	☐	20.000	19.154	23299	0.19	P	2.6	-4.2
7	☐	50.000	48.042	56707	0.48	P	1.7	-3.9
8	☐	200.000	201.783	218407	2.01	P	5.0	0.9
9	☐	500.000	485.311	546717	4.84	P	0.4	-2.9
10	☐	2500.000	2502.841	2704242	24.96	A	2.9	0.1

y = 0.0100 * x + 7.6036E-004

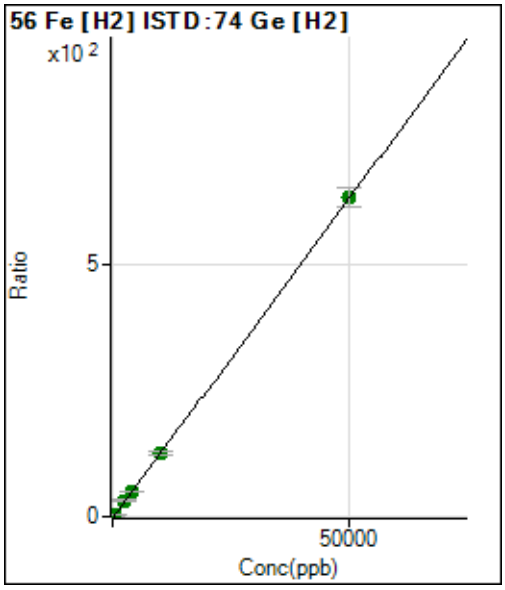
R = 1.0000

DL = 0.0337 ppb

BEC = 0.07625 ppb

Weight: <None>

Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	15503	0.03	P	4.2	
2	☐			79825	0.14	P	2.8	
3	☐	45.000	45.814	353872	0.61	P	5.5	1.8
4	☐	90.000	91.739	696085	1.19	P	3.9	1.9
5	☐	180.000	188.402	1393063	2.42	A	3.0	4.7
6	☐	400.000	418.951	3041119	5.34	A	0.7	4.7
7	☐	2500.000	2538.161	18362884	32.22	A	3.9	1.5
8	☐	4000.000	3973.957	28410948	50.43	A	4.3	-0.7
9	☐	10000.000	9936.398	69913670	126.05	A	3.2	-0.6
10	☐	50000.000	50012.710	330337086	634.34	A	5.7	0.0

y = 0.0127 * x + 0.0268

R = 1.0000

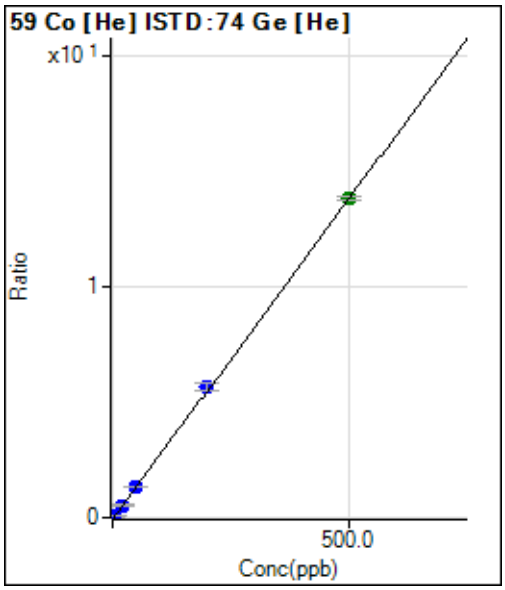
DL = 0.2673 ppb

BEC = 2.11 ppb

Weight: <None>

Min Conc: <None>

Calibration for 015_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	23	0.00	P	56.6	
2	☐			676	0.01	P	3.8	
3	☐	0.900	0.912	3090	0.03	P	0.9	1.3
4	☐	1.800	1.767	5988	0.05	P	1.3	-1.8
5	☐	3.600	3.734	11953	0.10	P	4.1	3.7
6	☐	20.000	19.509	65767	0.54	P	1.6	-2.5
7	☐	50.000	48.928	160399	1.36	P	1.5	-2.1
8	☐	200.000	203.857	613486	5.65	P	4.9	1.9
9	☐	500.000	498.583	1561905	13.83	A	1.7	-0.3
10	☐			666	0.01	P	6.1	

y = 0.0277 * x + 1.9209E-004

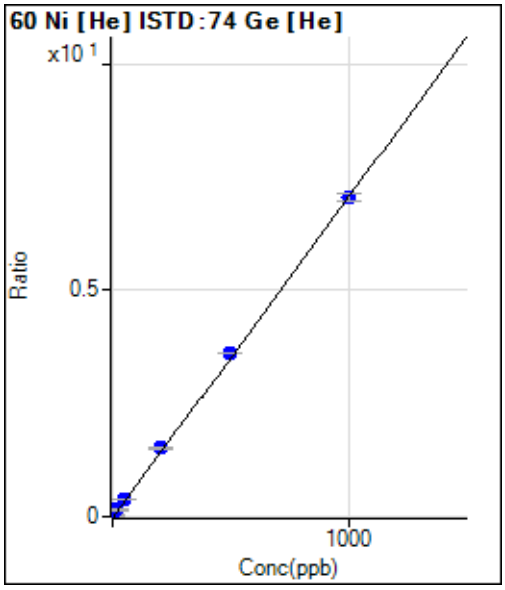
R = 1.0000

DL = 0.01176 ppb

BEC = 0.006926 ppb

Weight: <None>

Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	629	0.01	P	10.0	
2	☐			863	0.01	P	18.1	
3	☐	0.900	0.826	1339	0.01	P	3.7	-8.3
4	☐	1.800	1.758	2148	0.02	P	2.2	-2.4
5	☐	3.600	3.844	3734	0.03	P	8.5	6.8
6	☐	20.000	20.283	18106	0.15	P	2.2	1.4
7	☐	50.000	50.578	43005	0.36	P	1.0	1.2
8	☐	200.000	212.678	164213	1.51	P	4.9	6.3
9	☐	500.000	506.767	406503	3.60	P	0.3	1.4
10	☐	1000.000	994.046	764384	7.05	P	2.1	-0.6

y = 0.0071 * x + 0.0052

R = 0.9999

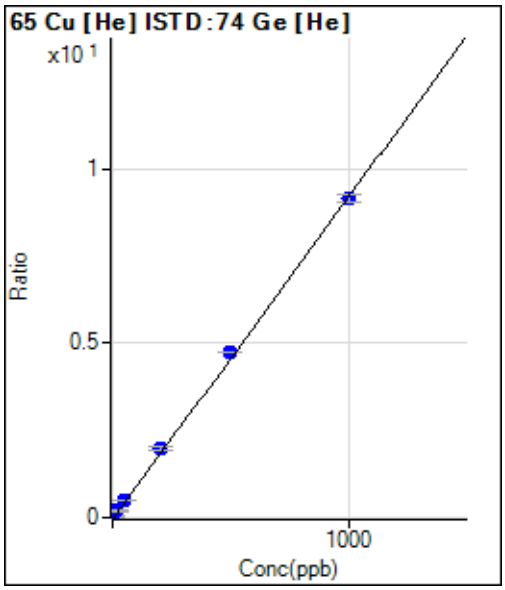
DL = 0.22 ppb

BEC = 0.7312 ppb

Weight: <None>

Min Conc: <None>

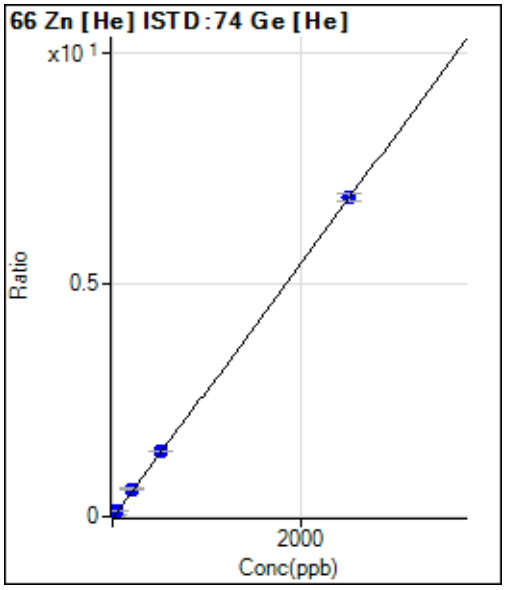
Calibration for 015_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	71	0.00	P	27.6	
2	☐			278	0.00	P	14.2	
3	☐	0.900	0.933	1118	0.01	P	7.2	3.6
4	☐	1.800	1.910	2221	0.02	P	3.7	6.1
5	☐	3.600	4.058	4394	0.04	P	4.3	12.7
6	☐	20.000	20.901	23570	0.19	P	1.7	4.5
7	☐	50.000	51.074	55921	0.47	P	1.3	2.1
8	☐	200.000	216.337	217183	2.00	P	6.1	8.2
9	☐	500.000	513.026	536263	4.75	P	0.5	2.6
10	☐	1000.000	990.146	992817	9.16	P	2.0	-1.0

y = 0.0093 * x + 5.8657E-004
R = 0.9998
DL = 0.05245 ppb
BEC = 0.06339 ppb

Weight: <None>
Min Conc: <None>

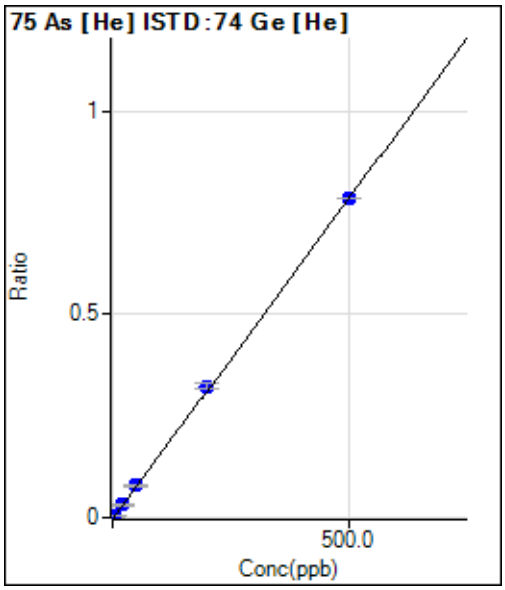


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	54	0.00	P	13.3	
2	☐			108	0.00	P	9.4	
3	☐			356	0.00	P	20.5	
4	☑	1.800		808	0.01	P	14.0	
5	☐	3.600	3.841	1272	0.01	P	6.6	6.7
6	☐	20.000	21.306	7193	0.06	P	6.0	6.5
7	☐	50.000	50.936	16663	0.14	P	2.3	1.9
8	☐	200.000	214.797	64328	0.59	P	5.5	7.4
9	☐	500.000	513.687	160105	1.42	P	0.7	2.7
10	☐	2500.000	2496.049	746120	6.89	P	1.9	-0.2

y = 0.0028 * x + 4.4930E-004
R = 1.0000
DL = 0.06504 ppb
BEC = 0.1629 ppb

Weight: <None>
Min Conc: <None>

Calibration for 015_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	10	0.00	P	5.9	
2	☐			52	0.00	P	25.5	
3	☐	0.900	0.870	176	0.00	P	16.7	-3.3
4	☐	1.800	1.720	340	0.00	P	4.3	-4.4
5	☐	3.600	3.843	708	0.01	P	8.7	6.7
6	☐	20.000	19.655	3782	0.03	P	2.9	-1.7
7	☐	50.000	49.508	9253	0.08	P	0.9	-1.0
8	☐	200.000	205.369	35201	0.32	P	5.8	2.7
9	☐	500.000	497.914	88855	0.79	P	0.6	-0.4
10	☐			43	0.00	P	15.9	

y = 0.0016 * x + 7.9724E-005

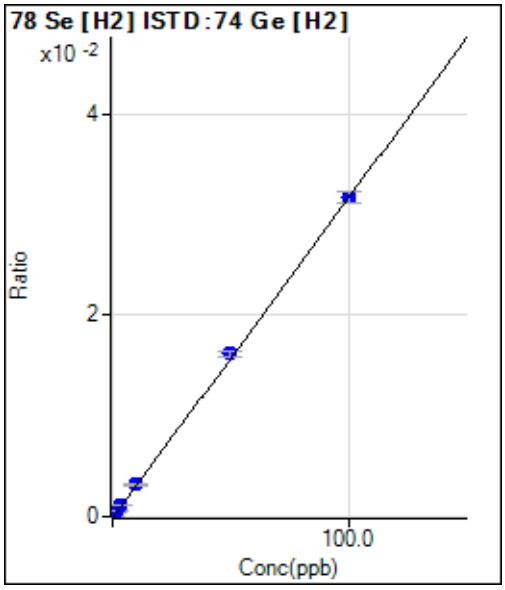
R = 0.9999

DL = 0.008874 ppb

BEC = 0.05047 ppb

Weight: <None>

Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	3	0.00	P	31.6	
2	☐			35	0.00	P	34.2	
3	☐	0.900	0.949	179	0.00	P	9.9	5.5
4	☐	1.800	1.836	345	0.00	P	8.0	2.0
5	☐	3.600	3.548	654	0.00	P	0.8	-1.5
6	☐	10.000	9.935	1804	0.00	P	2.3	-0.6
7	☐	50.000	50.807	9218	0.02	P	3.5	1.6
8	☐	100.000	99.604	17861	0.03	P	3.2	-0.4
9	☐			35	0.00	P	15.2	
10	☐			16	0.00	P	20.7	

y = 3.1818E-004 * x + 5.6964E-006

R = 1.0000

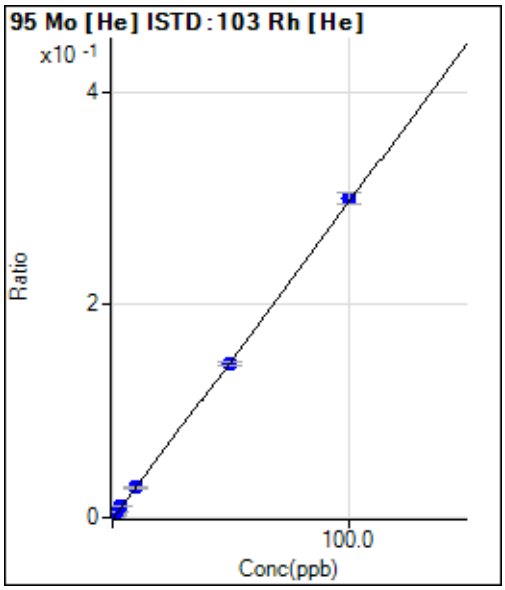
DL = 0.01695 ppb

BEC = 0.0179 ppb

Weight: <None>

Min Conc: <None>

Calibration for 015_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	7	0.00	P	100.0	
2	☐			196	0.00	P	26.6	
3	☐	0.900	0.889	1001	0.00	P	9.8	-1.2
4	☐	1.800	1.803	2023	0.01	P	2.1	0.2
5	☐	3.600	3.759	3974	0.01	P	4.6	4.4
6	☐	10.000	9.513	10601	0.03	P	2.5	-4.9
7	☐	50.000	48.563	52358	0.14	P	1.5	-2.9
8	☐	100.000	100.762	100606	0.30	P	4.0	0.8
9	☐			133	0.00	P	18.9	
10	☐			99	0.00	P	11.9	

y = 0.0030 * x + 1.7772E-005

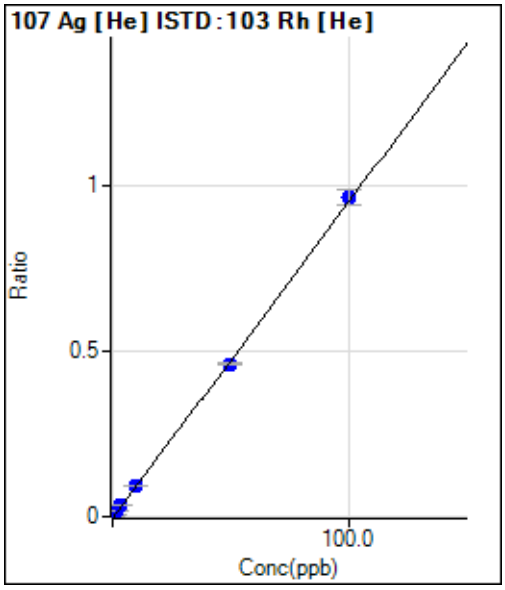
R = 0.9998

DL = 0.01789 ppb

BEC = 0.005963 ppb

Weight: <None>

Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	9	0.00	P	94.4	
2	☐	0.180	0.182	671	0.00	P	12.1	1.2
3	☐	0.900	0.897	3236	0.01	P	0.7	-0.4
4	☐	1.800	1.816	6539	0.02	P	4.5	0.9
5	☐	3.600	3.705	12572	0.04	P	8.3	2.9
6	☐	10.000	9.706	34763	0.09	P	2.7	-2.9
7	☐	50.000	48.206	167127	0.46	P	1.0	-3.6
8	☐	100.000	100.922	323950	0.97	P	4.7	0.9
9	☐			100	0.00	P	8.6	
10	☐			67	0.00	P	19.6	

y = 0.0096 * x + 2.3695E-005

R = 0.9998

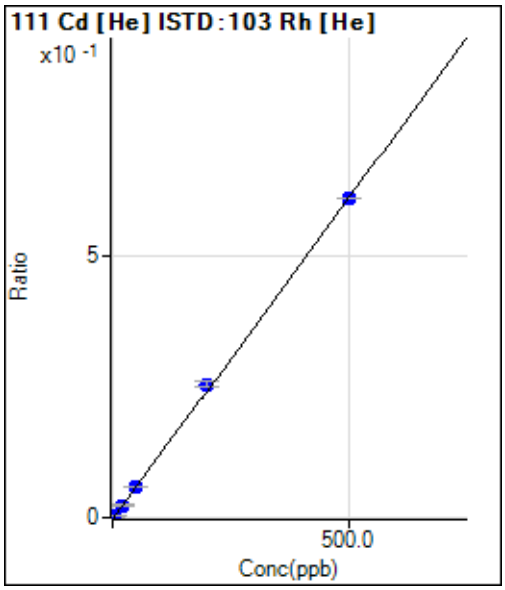
DL = 0.006999 ppb

BEC = 0.002472 ppb

Weight: <None>

Min Conc: <None>

Calibration for 015_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1	0.00	P	173.2	
2	☐	0.180	0.188	88	0.00	P	16.8	4.6
3	☐	0.900	0.852	393	0.00	P	2.6	-5.3
4	☐	1.800	1.822	839	0.00	P	6.9	1.2
5	☐	3.600	3.720	1616	0.00	P	7.4	3.3
6	☐	20.000	19.353	8872	0.02	P	2.2	-3.2
7	☐	50.000	49.241	21854	0.06	P	0.7	-1.5
8	☐	200.000	207.467	85266	0.25	P	3.9	3.7
9	☐	500.000	497.114	211211	0.61	P	0.4	-0.6
10	☐			74	0.00	P	9.1	

y = 0.0012 * x + 1.7989E-006

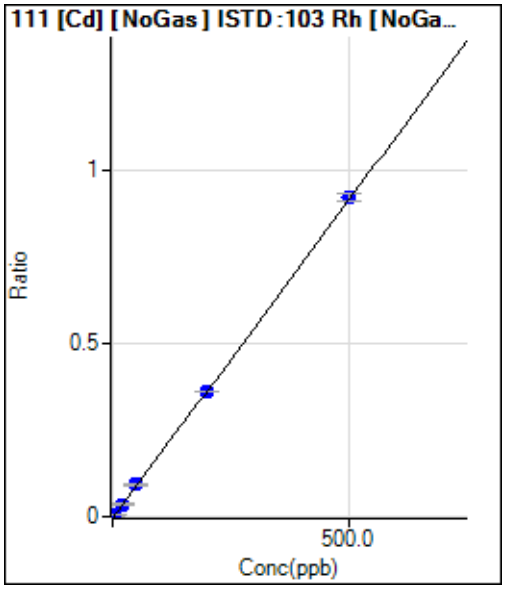
R = 0.9999

DL = 0.007619 ppb

BEC = 0.001466 ppb

Weight: <None>

Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	4	0.00	P	261.7	
2	☐	0.180	0.172	250	0.00	P	20.4	-4.5
3	☐	0.900	0.894	1293	0.00	P	4.3	-0.7
4	☐	1.800	1.796	2574	0.00	P	4.6	-0.2
5	☐	3.600	3.666	5134	0.01	P	2.6	1.8
6	☐	20.000	19.623	27865	0.04	P	1.5	-1.9
7	☐	50.000	50.168	69005	0.09	P	5.5	0.3
8	☐	200.000	195.237	263499	0.36	P	0.1	-2.4
9	☐	500.000	501.903	664452	0.92	P	2.3	0.4
10	☐			241	0.00	P	4.8	

y = 0.0018 * x + 4.9899E-006

R = 0.9999

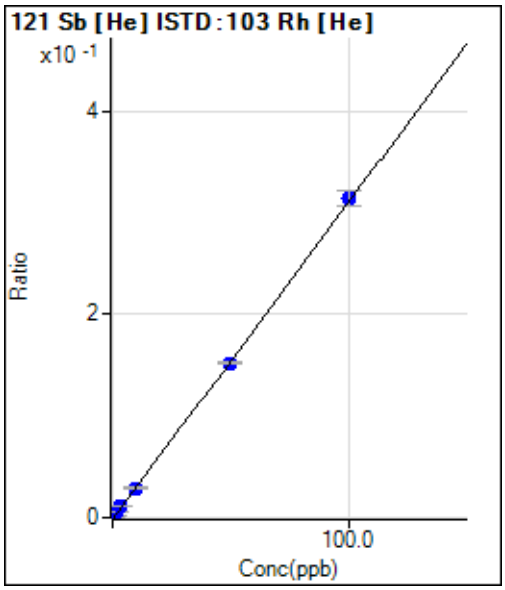
DL = 0.02128 ppb

BEC = 0.002711 ppb

Weight: <None>

Min Conc: <None>

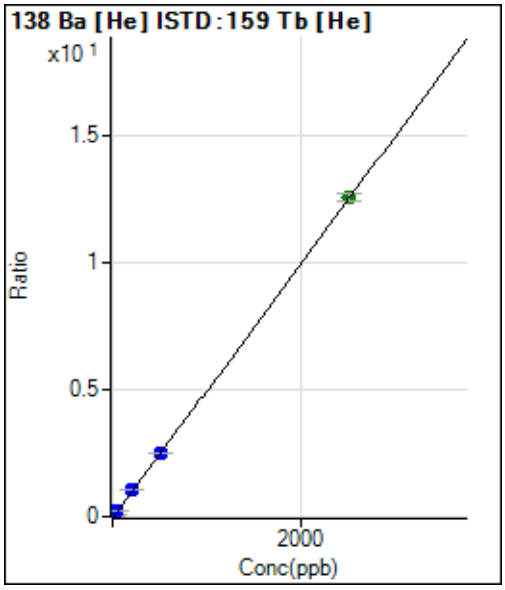
Calibration for 015_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	9	0.00	P	86.6	
2	☐			190	0.00	P	19.1	
3	☐	0.900	0.804	950	0.00	P	12.5	-10.7
4	☐	1.800	1.725	2028	0.01	P	5.3	-4.2
5	☐	3.600	3.703	4097	0.01	P	4.1	2.8
6	☐	10.000	9.376	10927	0.03	P	4.7	-6.2
7	☐	50.000	48.722	54953	0.15	P	1.4	-2.6
8	☐	100.000	100.700	105139	0.31	P	5.0	0.7
9	☐			142	0.00	P	11.4	
10	☐			69	0.00	P	37.3	

y = 0.0031 * x + 2.3688E-005
R = 0.9999
DL = 0.01974 ppb
BEC = 0.007598 ppb

Weight: <None>
Min Conc: <None>

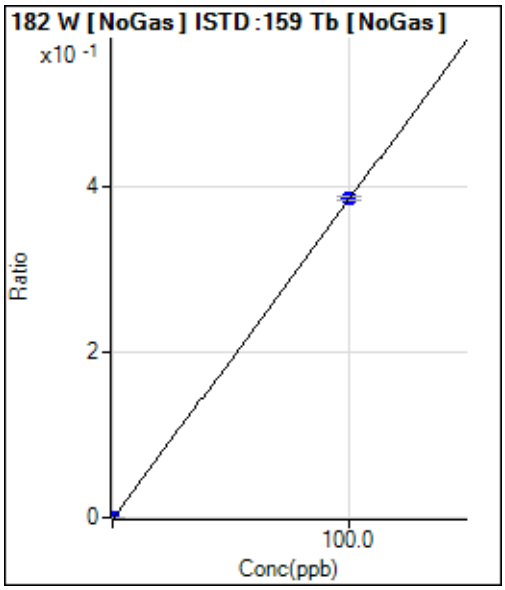


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	64	0.00	P	27.2	
2	☐			517	0.00	P	7.9	
3	☐	0.900	0.920	2267	0.00	P	9.2	2.2
4	☐	1.800	1.845	4524	0.01	P	4.1	2.5
5	☐	3.600	3.820	8888	0.02	P	7.9	6.1
6	☐	20.000	20.221	48957	0.10	P	2.2	1.1
7	☐	50.000	50.605	120890	0.25	P	0.1	1.2
8	☐	200.000	210.160	466356	1.06	P	5.3	5.1
9	☐	500.000	500.440	1156798	2.52	P	1.4	0.1
10	☐	2500.000	2499.085	5567320	12.57	A	2.3	0.0

y = 0.0050 * x + 1.3546E-004
R = 1.0000
DL = 0.02197 ppb
BEC = 0.02692 ppb

Weight: <None>
Min Conc: <None>

Calibration for 015_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	62	0.00	P	16.5	
2	☐			51	0.00	P	54.7	
3	☐			71	0.00	P	22.4	
4	☐			60	0.00	P	62.0	
5	☐			41	0.00	P	39.4	
6	☐			72	0.00	P	20.8	
7	☐			59	0.00	P	12.2	
8	☐			102	0.00	P	29.2	
9	☐	100.000	100.000	408082	0.39	P	1.8	0.0
10	☐			1103	0.00	P	5.8	

y = 0.0039 * x + 5.6911E-005

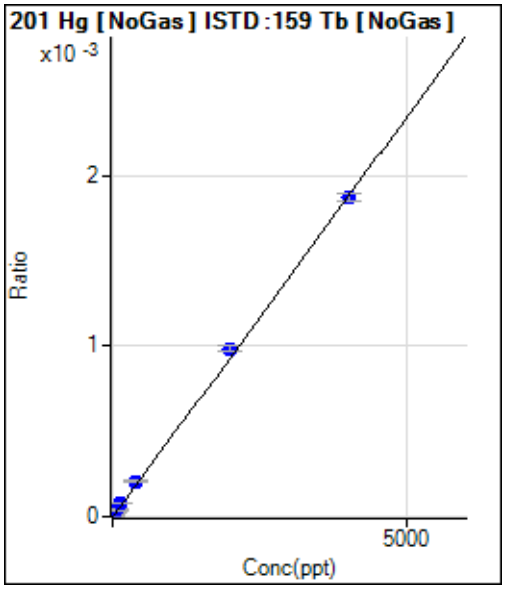
R = 1.0000

DL = 0.007289 ppb

BEC = 0.01473 ppb

Weight: <None>

Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	6	0.00	P	34.2	
2	☐			13	0.00	P	20.0	
3	☑	36.000		23	0.00	P	34.0	
4	☐	72.000	78.028	46	0.00	P	18.9	8.4
5	☐	144.000	155.920	84	0.00	P	8.8	8.3
6	☐	400.000	422.730	219	0.00	P	6.0	5.7
7	☐	2000.000	2075.032	1051	0.00	P	3.1	3.8
8	☐	4000.000	3959.673	1980	0.00	P	2.0	-1.0
9	☐			70	0.00	P	7.0	
10	☐			28	0.00	P	26.3	

y = 4.7229E-007 * x + 4.9840E-006

R = 0.9997

DL = 10.84 ppt

BEC = 10.55 ppt

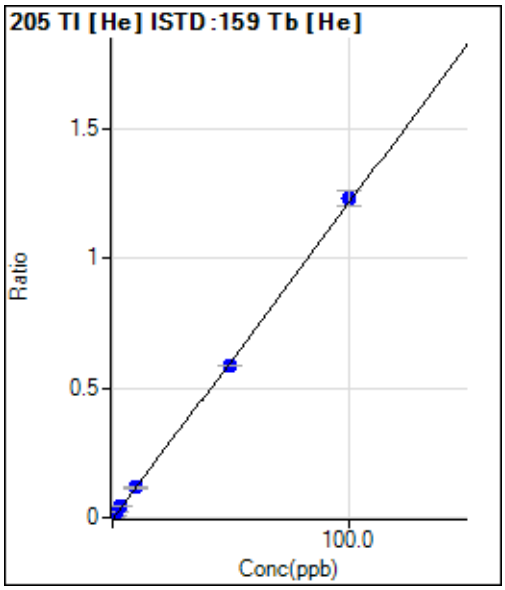
Weight: <None>

Min Conc: <None>

Bottom point dropped due to RSD failure,

KT 1-15-21

Calibration for 015_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	7	0.00	P	86.6	
2	☐	0.180	0.175	1030	0.00	P	4.0	-2.7
3	☐	0.900	0.889	5161	0.01	P	1.4	-1.2
4	☐	1.800	1.755	10271	0.02	P	3.7	-2.5
5	☐	3.600	3.722	20831	0.05	P	4.8	3.4
6	☐	10.000	9.567	55961	0.12	P	3.8	-4.3
7	☐	50.000	48.095	277873	0.59	P	0.7	-3.8
8	☐	100.000	100.993	542311	1.23	P	4.6	1.0
9	☐			316	0.00	P	12.2	
10	☐			53	0.00	P	46.5	

y = 0.0122 * x + 1.3954E-005

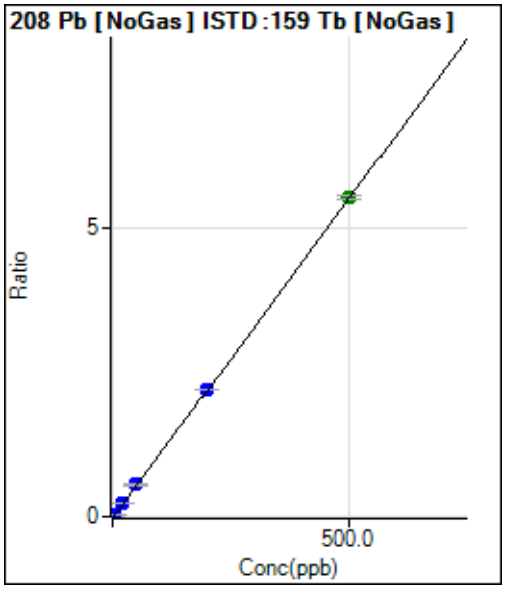
R = 0.9998

DL = 0.002978 ppb

BEC = 0.001146 ppb

Weight: <None>

Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	180	0.00	P	13.1	
2	☐	0.180	0.178	2300	0.00	P	3.4	-0.9
3	☐	0.900	0.899	10911	0.01	P	2.5	-0.1
4	☐	1.800	1.824	22112	0.02	P	4.0	1.3
5	☐	3.600	3.708	44011	0.04	P	1.6	3.0
6	☐	20.000	20.255	239752	0.22	P	1.0	1.3
7	☐	50.000	50.259	592678	0.56	P	3.7	0.5
8	☐	200.000	199.698	2329394	2.21	P	0.3	-0.2
9	☐	500.000	500.084	5835207	5.52	A	1.2	0.0
10	☐			2352	0.00	P	2.4	

y = 0.0110 * x + 1.6372E-004

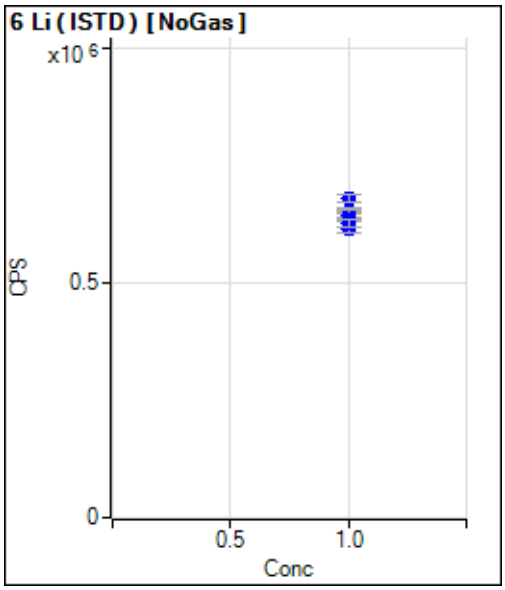
R = 1.0000

DL = 0.005835 ppb

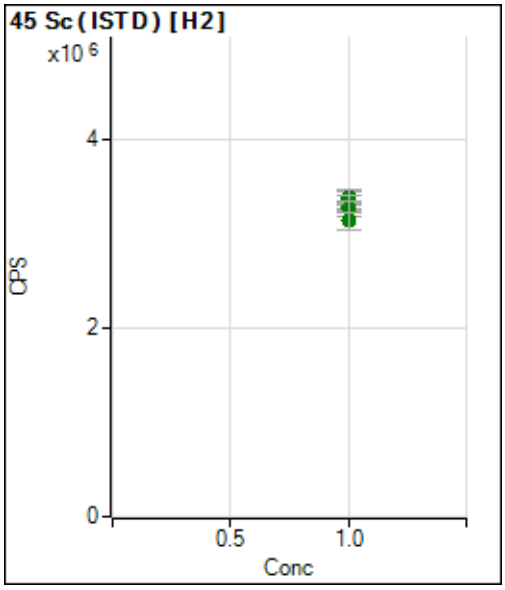
BEC = 0.01482 ppb

Weight: <None>

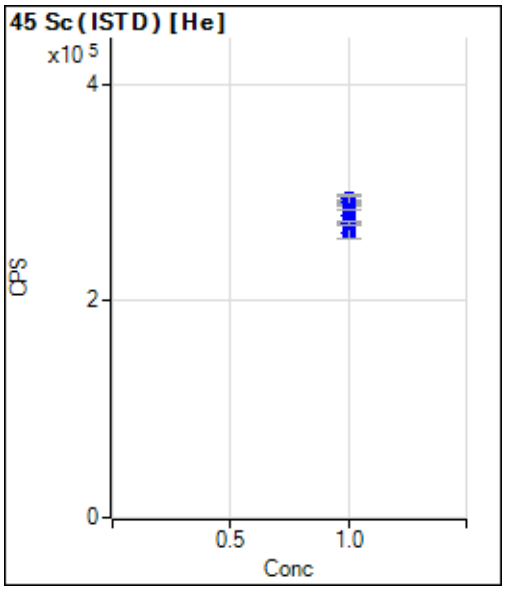
Min Conc: <None>



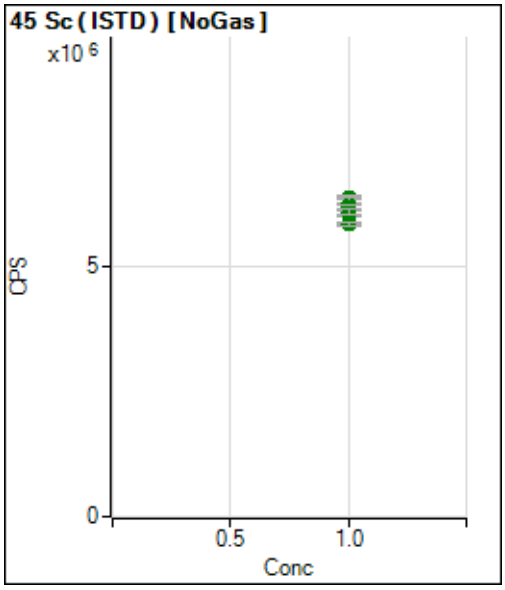
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		680706		P	2.1	
2	☐	1.000		650887		P	1.5	
3	☐	1.000		650285		P	3.4	
4	☐	1.000		642245		P	3.2	
5	☐	1.000		627305		P	2.6	
6	☐	1.000		644345		P	3.1	
7	☐	1.000		635049		P	0.7	
8	☐	1.000		613936		P	2.2	
9	☐	1.000		613697		P	1.7	
10	☐	1.000		627051		P	2.8	



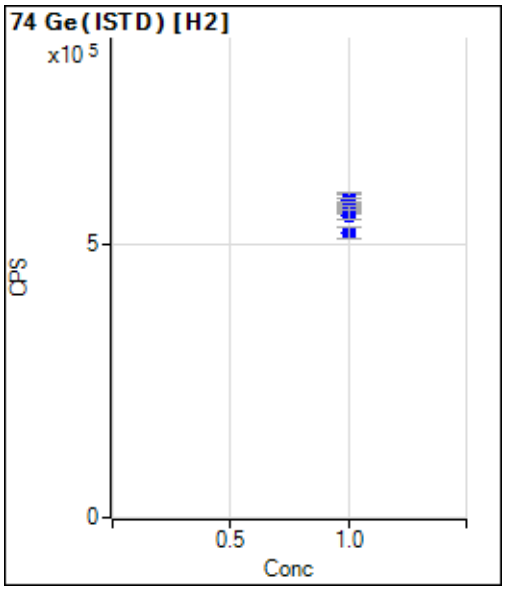
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		3349421		A	7.7	
2	☐	1.000		3376481		A	4.1	
3	☐	1.000		3352249		A	6.3	
4	☐	1.000		3387059		A	4.8	
5	☐	1.000		3335546		A	4.2	
6	☐	1.000		3261607		A	2.2	
7	☐	1.000		3293083		A	3.7	
8	☐	1.000		3274576		A	2.8	
9	☐	1.000		3270522		A	4.8	
10	☐	1.000		3137096		A	5.8	



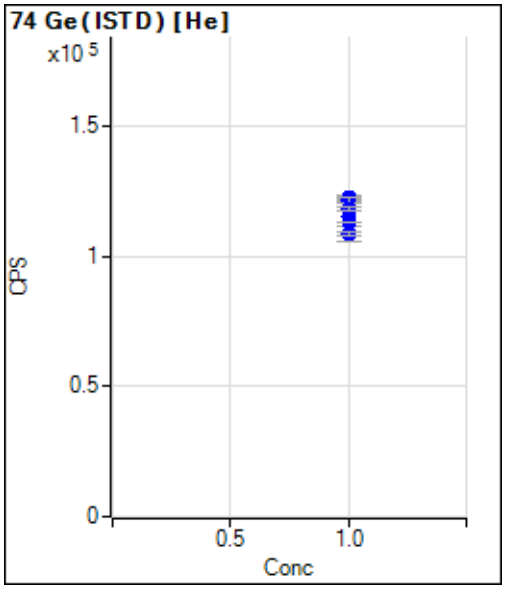
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		291137		P	1.5	
2	☐	1.000		294789		P	0.9	
3	☐	1.000		291806		P	0.8	
4	☐	1.000		294306		P	2.5	
5	☐	1.000		278425		P	4.0	
6	☐	1.000		291870		P	3.0	
7	☐	1.000		284216		P	0.1	
8	☐	1.000		263402		P	4.5	
9	☐	1.000		273126		P	0.7	
10	☐	1.000		271522		P	1.5	



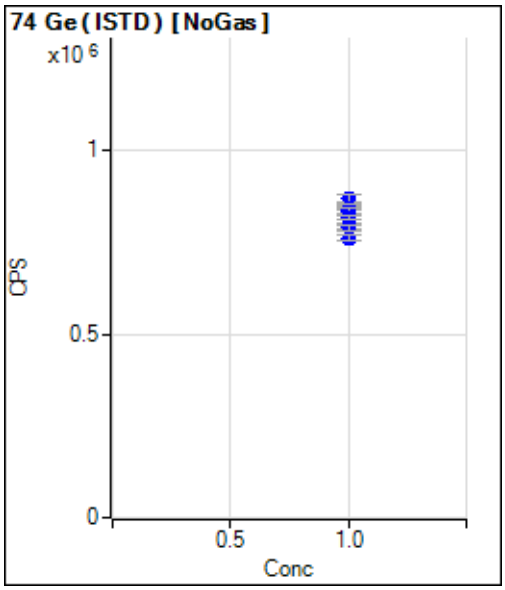
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		6389991		A	1.8	
2	☐	1.000		6246993		A	0.6	
3	☐	1.000		6284328		A	1.7	
4	☐	1.000		6249435		A	3.9	
5	☐	1.000		6070936		A	1.9	
6	☐	1.000		6190835		A	1.7	
7	☐	1.000		6098864		A	2.1	
8	☐	1.000		5878700		A	1.0	
9	☐	1.000		5852943		A	1.2	
10	☐	1.000		5846596		A	1.3	



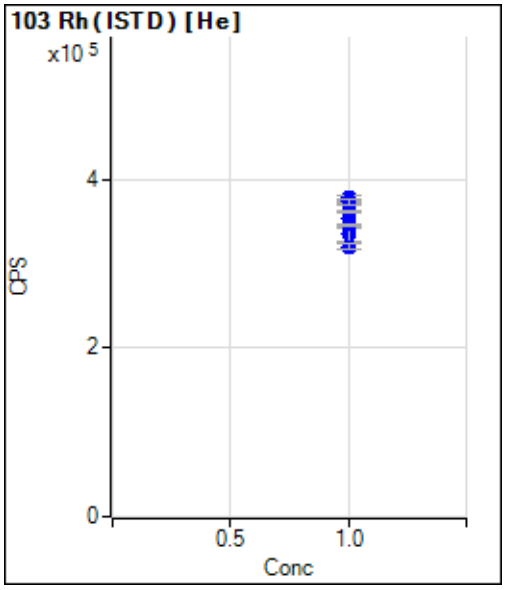
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		580218		P	5.6	
2	☐	1.000		584810		P	2.3	
3	☐	1.000		583094		P	4.2	
4	☐	1.000		585284		P	3.2	
5	☐	1.000		576805		P	2.5	
6	☐	1.000		569486		P	0.9	
7	☐	1.000		570357		P	2.8	
8	☐	1.000		563742		P	2.2	
9	☐	1.000		555046		P	3.5	
10	☐	1.000		521613		P	4.3	



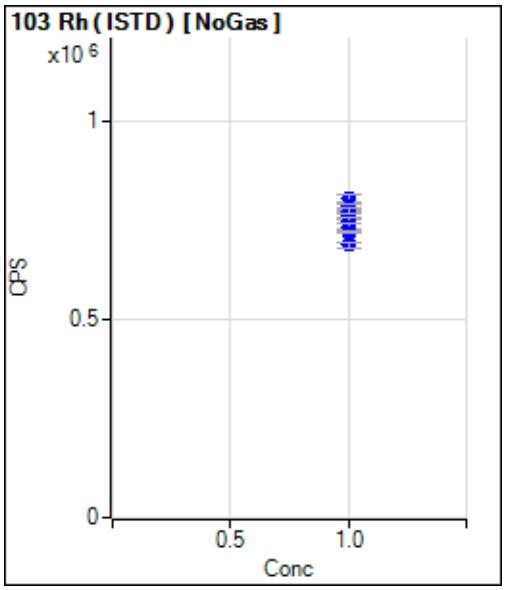
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		121249		P	0.7	
2	☐	1.000		122729		P	0.7	
3	☐	1.000		121303		P	0.7	
4	☐	1.000		121696		P	1.3	
5	☐	1.000		115338		P	4.2	
6	☐	1.000		121530		P	1.8	
7	☐	1.000		118196		P	1.1	
8	☐	1.000		108690		P	5.2	
9	☐	1.000		112954		P	0.3	
10	☐	1.000		108379		P	1.4	



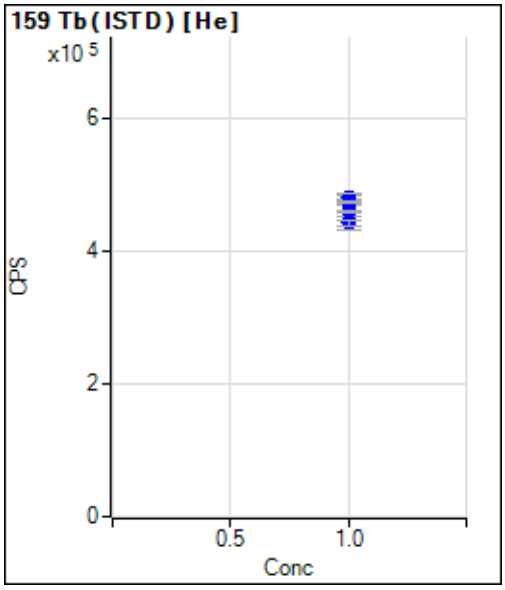
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		871306		P	1.9	
2	☐	1.000		845582		P	1.3	
3	☐	1.000		844595		P	3.0	
4	☐	1.000		839059		P	3.5	
5	☐	1.000		821697		P	2.5	
6	☐	1.000		836642		P	2.4	
7	☐	1.000		817527		P	1.0	
8	☐	1.000		793796		P	2.0	
9	☐	1.000		791180		P	1.7	
10	☐	1.000		763342		P	2.4	



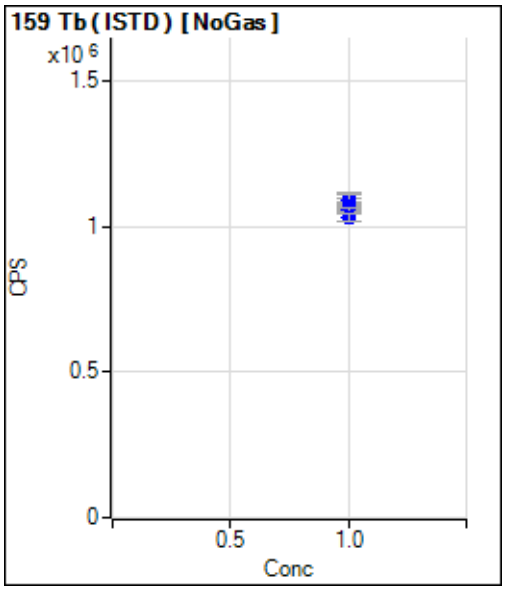
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		373637		P	0.7	
2	☐	1.000		379372		P	0.8	
3	☐	1.000		375585		P	1.3	
4	☐	1.000		375333		P	1.3	
5	☐	1.000		354654		P	4.6	
6	☐	1.000		373727		P	1.9	
7	☐	1.000		361725		P	0.8	
8	☐	1.000		335373		P	4.5	
9	☐	1.000		346312		P	0.2	
10	☐	1.000		320822		P	2.3	



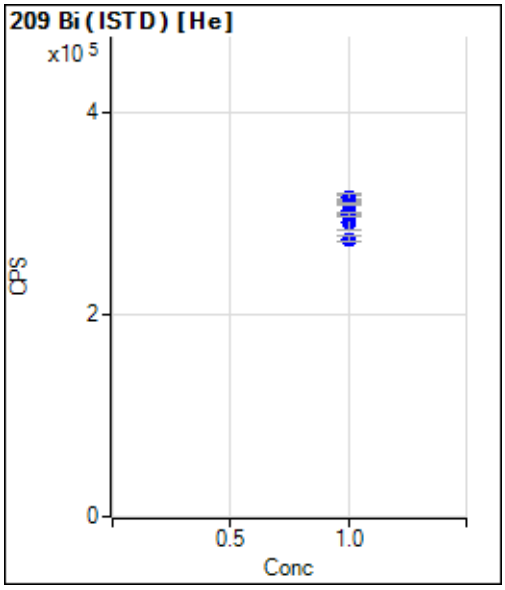
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		804489		P	2.5	
2	☐	1.000		776391		P	0.8	
3	☐	1.000		783281		P	3.1	
4	☐	1.000		777988		P	2.7	
5	☐	1.000		760170		P	2.5	
6	☐	1.000		771204		P	2.0	
7	☐	1.000		747615		P	1.8	
8	☐	1.000		733109		P	2.0	
9	☐	1.000		719163		P	0.9	
10	☐	1.000		686705		P	1.8	



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		476328		P	0.8	
2	☐	1.000		480127		P	1.2	
3	☐	1.000		476191		P	1.0	
4	☐	1.000		480722		P	2.7	
5	☐	1.000		460140		P	3.9	
6	☐	1.000		480712		P	2.8	
7	☐	1.000		474514		P	0.6	
8	☐	1.000		441636		P	4.5	
9	☐	1.000		459390		P	0.4	
10	☐	1.000		442869		P	1.9	

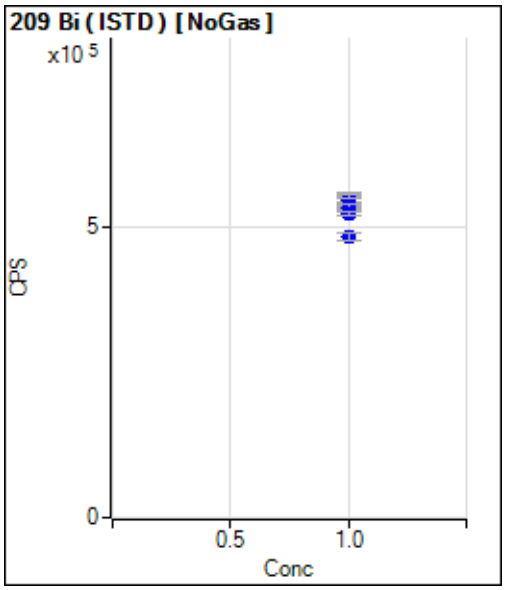


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		1096922		P	3.3	
2	☐	1.000		1078150		P	0.2	
3	☐	1.000		1080770		P	2.6	
4	☐	1.000		1089523		P	3.3	
5	☐	1.000		1070445		P	2.2	
6	☐	1.000		1070985		P	2.7	
7	☐	1.000		1067561		P	1.1	
8	☐	1.000		1055879		P	2.0	
9	☐	1.000		1056298		P	1.1	
10	☐	1.000		1030078		P	2.5	



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		312660		P	0.6	
2	☐	1.000		314712		P	1.5	
3	☐	1.000		312631		P	0.8	
4	☐	1.000		315853		P	2.1	
5	☐	1.000		302989		P	3.7	
6	☐	1.000		314969		P	2.8	
7	☐	1.000		308784		P	0.9	
8	☐	1.000		290496		P	5.3	
9	☐	1.000		298934		P	1.5	
10	☐	1.000		274648		P	1.7	

Calibration for 015_ICV.d



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		550606		P	4.0	
2	☐	1.000		539808		P	0.7	
3	☐	1.000		545084		P	2.8	
4	☐	1.000		547239		P	3.7	
5	☐	1.000		541864		P	2.8	
6	☐	1.000		538136		P	2.5	
7	☐	1.000		537212		P	0.6	
8	☐	1.000		533585		P	2.1	
9	☐	1.000		524285		P	0.9	
10	☐	1.000		483404		P	2.4	

P/A Factor Tuning Report

========== Current Sample ==========
Sample Name: 1A14033-ICV1
Data File: 015_ICV.d
Acquired: 01/14/2021 12:08:40

========= Detector Parameters and P/A Factors =========
Discriminator: 4.5 mV
AnalogHV: 2065 V
PulseHV: 1504 V

Acquired: 01/14/2021 10:32:18

Mass[u]	Element	P/A Factor
45	Sc	0.116889
159	Tb	0.137113
6	Li	Signal too low
7	Li	Signal too low
9	Be	Signal too low
23	Na	Signal too low
24	Mg	Signal too low
27	Al	Signal too low
39	K	Signal too low
44	Ca	Signal too low
47	Ti	Signal too low
51	V	Signal too low
52	Cr	Signal too low
55	Mn	Signal too low
56	Fe	Signal too low
57	Fe	Signal too low
59	Co	Signal too low
60	Ni	Signal too low
65	Cu	Signal too low
66	Zn	Signal too low
74	Ge	Signal too low
75	As	Signal too low
78	Se	Signal too low
95	Mo	Signal too low
103	Rh	Signal too low
106	[Cd]	Signal too low
107	Ag	Signal too low
108	[Cd]	Signal too low
111	Cd	Signal too low
121	Sb	Signal too low
138	Ba	Signal too low
182	W	Signal too low
201	Hg	Signal too low
205	Tl	Signal too low
206	Pb	Signal too low

207	Pb	Signal too low
208	Pb	Signal too low
209	Bi	Signal too low

=== Independent Detector Parameters and P/A Factors ===

Tune Mode Name: H2

Discriminator: 4.5 mV

AnalogHV: 2065 V

PulseHV: 1504 V

Acquired: 01/14/2021 11:51:03

Mass[u]	Element	P/A Factor
44	Ca	0.118917
45	Sc	0.116550
56	Fe	0.125363
57	Fe	0.125917
74	Ge	0.132856
78	Se	Signal too low

Tune Mode Name: He

Discriminator: 4.5 mV

AnalogHV: 2065 V

PulseHV: 1504 V

Acquired: 01/14/2021 12:02:24

Mass[u]	Element	P/A Factor
23	Na	0.101953
24	Mg	0.107481
27	Al	0.111847
39	K	0.115957
51	V	0.118801
52	Cr	0.120603
55	Mn	0.122324
59	Co	0.126548
60	Ni	0.128764
65	Cu	0.130748
66	Zn	0.130159
138	Ba	0.135315
44	Ca	Signal too low
45	Sc	Signal too low
74	Ge	Signal too low
75	As	Signal too low
95	Mo	Signal too low
103	Rh	Signal too low
107	Ag	Signal too low
111	Cd	Signal too low
121	Sb	Signal too low

159	Tb	Signal too low
205	Tl	Signal too low
209	Bi	Signal too low

Tune Mode Name: NoGas
Discriminator: 4.5 mV
AnalogHV: 2065 V
PulseHV: 1504 V

Acquired: 01/14/2021 12:04:04

Mass[u]	Element	P/A Factor
6	Li	0.080510
45	Sc	0.116230
47	Ti	0.115377
65	Cu	0.129882
74	Ge	0.129188
103	Rh	0.130750
111	Cd	0.134764
159	Tb	0.134462
206	Pb	0.139926
207	Pb	0.139084
208	Pb	0.139596
7	Li	Signal too low
9	Be	Signal too low
106	[Cd]	Signal too low
108	[Cd]	Signal too low
182	W	Signal too low
201	Hg	Signal too low
209	Bi	Signal too low

Created: 01/15/2021 07:42:14

Calibration Standard Report - ICPMS5

Sample Name:	**1A14033-CAL0**	Total Dilution:	**1.0000**
File Name:	005CALB.d	Vial:	1
File Path:	E:\Agilent\ICPMH\Data\1A14033a.b	Sample Type:	CalBlk
Acq Time:	01/14/2021 11:13:03	I.S. Reference File:	005CALB.d
Comment:	**Cal Blk (3.5% HNO3 + 0.4% HCl)**	Last Calibration:	01/14/2021 14:31:49

FullQuant Table:

Element	Mass	ISTD	Tune Mode	Raw Conc	Units	RSD(%)	CPS	CPS RSD	QC Flag
Be	9	6	NoGas	0	ppb	N/A	23	28.6	
Na	23	45	He	0	ppb	N/A	5346	2.0	
Mg	24	45	He	0	ppb	N/A	2632	5.4	
Al	27	45	He	0	ppb	N/A	43	40.7	
K	39	45	He	0	ppb	N/A	10308	2.4	
Ca	44	45	H2	0	ppb	N/A	760	40.7	
[Ca]	44	45	He	0	ppb	N/A	80	25.3	
Ti	47	45	NoGas	0	ppb	N/A	62	40.8	
V	51	74	He	0	ppb	N/A	331	1.1	
Cr	52	74	He	0	ppb	N/A	100	11.5	
Mn	55	74	He	0	ppb	N/A	92	15.0	
Fe	56	74	H2	0	ppb	N/A	15503	2.4	
Co	59	74	He	0	ppb	N/A	23	57.2	
Ni	60	74	He	0	ppb	N/A	629	10.6	
Cu	65	74	He	0	ppb	N/A	71	27.5	
Zn	66	74	He	0	ppb	N/A	54	12.7	
As	75	74	He	0	ppb	N/A	10	6.0	
Se	78	74	H2	0	ppb	N/A	3	34.6	
Mo	95	103	He	0	ppb	N/A	7	100.0	
Ag	107	103	He	0	ppb	N/A	9	94.4	
Cd	111	103	He	0	ppb	N/A	1	173.2	
[Cd]	111	103	NoGas	0	ppb	N/A	4	266.2	
Sb	121	103	He	0	ppb	N/A	9	86.6	
Ba	138	159	He	0	ppb	N/A	64	26.5	
W	182	159	NoGas	0	ppb	N/A	62	13.5	
Hg	201	159	NoGas	0	ppt	N/A	6	36.4	
Tl	205	159	He	0	ppb	N/A	7	86.6	
Pb	208	159	NoGas	0	ppb	N/A	180	15.8	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Ref CPS	Det.	ISTD %	QC Flag
Li	6	NoGas	680706	2.1	680705.59	Pulse	100.0	
Sc	45	H2	3349421	7.7	3349420.95666667	Analog	100.0	
Sc	45	He	291137	1.5	291137.18	Pulse	100.0	
Sc	45	NoGas	6389991	1.8	6389990.85	Analog	100.0	
Ge	74	H2	580218	5.6	580218.01	Pulse	100.0	
Ge	74	He	121249	0.7	121248.793333333	Pulse	100.0	
Ge	74	NoGas	871306	1.9	871305.86	Pulse	100.0	
Rh	103	He	373637	0.7	373637.25	Pulse	100.0	
Rh	103	NoGas	804489	2.5	804489	Pulse	100.0	
Tb	159	He	476328	0.8	476327.536666667	Pulse	100.0	

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Ref CPS	Det.	ISTD %	QC Flag
Tb	159	NoGas	1096922	3.3	1096922.37	Pulse	100.0	
Bi	209	He	312660	0.6	312659.866666667	Pulse	100.0	
Bi	209	NoGas	550606	4.0	550606.38	Pulse	100.0	

Calibration Standard Report - ICPMS5

Sample Name:	**1A14033-CAL1**	Total Dilution:	**1.0000**
File Name:	006CALS.d	Vial:	1102
File Path:	E:\Agilent\ICPMH\Data\1A14033a.b	Sample Type:	CalStd
Acq Time:	01/14/2021 11:18:44	I.S. Reference File:	005CALB.d
Comment:	**A21A063 KT 1/14**	Last Calibration:	01/14/2021 14:31:49

FullQuant Table:

Element	Mass	ISTD	Tune Mode	Raw Conc	Units	RSD(%)	CPS	CPS RSD	QC Flag
Be	9	6	NoGas	0.167	ppb	21.3	297	20.3	
Na	23	45	He	8.152	ppb	7.3	8698	3.2	
Mg	24	45	He	9.036	ppb	6.6	4592	3.6	
Al	27	45	He	9.065	ppb	1.8	772	0.9	
K	39	45	He	9.163	ppb	16.2	11889	1.4	
Ca	44	45	H2	55.192	ppb	1.9	8420	2.4	
[Ca]	44	45	He	56.312	ppb	6.5	549	5.4	
Ti	47	45	NoGas	0.218	ppb	17.7	262	13.4	
V	51	74	He	0.18	ppb	9.9	640	4.7	
Cr	52	74	He	0.17	ppb	23.8	478	18.6	
Mn	55	74	He	0.154	ppb	23.0	282	15.0	
Fe	56	74	H2	8.657	ppb	3.4	79825	0.4	
Co	59	74	He	0.192	ppb	4.0	676	3.2	
Ni	60	74	He	0.262	ppb	68.7	863	17.4	
Cu	65	74	He	0.181	ppb	19.2	278	13.9	
Zn	66	74	He	0.155	ppb	19.3	108	9.9	
As	75	74	He	0.216	ppb	31.5	52	26.0	
Se	78	74	H2	0.169	ppb	37.9	35	33.8	
Mo	95	103	He	0.167	ppb	27.6	196	25.9	
Ag	107	103	He	0.182	ppb	12.3	671	11.7	
Cd	111	103	He	0.188	ppb	16.9	88	16.8	
[Cd]	111	103	NoGas	0.172	ppb	20.7	250	20.0	
Sb	121	103	He	0.153	ppb	20.1	190	18.6	
Ba	138	159	He	0.187	ppb	9.1	517	9.1	
W	182	159	NoGas	-0.002	ppb	N/A	51	54.7	
Hg	201	159	NoGas	14.977	ppt	34.0	13	20.0	
Tl	205	159	He	0.175	ppb	4.0	1030	2.8	
Pb	208	159	NoGas	0.178	ppb	3.6	2300	3.4	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Ref CPS	Det.	ISTD %	QC Flag
Li	6	NoGas	650887	1.5	680705.59	Pulse	95.6	
Sc	45	H2	3376481	4.1	3349420.95666667	Analog	100.8	
Sc	45	He	294789	0.9	291137.18	Pulse	101.3	
Sc	45	NoGas	6246993	0.6	6389990.85	Analog	97.8	
Ge	74	H2	584810	2.3	580218.01	Pulse	100.8	
Ge	74	He	122729	0.7	121248.793333333	Pulse	101.2	
Ge	74	NoGas	845582	1.3	871305.86	Pulse	97.0	
Rh	103	He	379372	0.8	373637.25	Pulse	101.5	
Rh	103	NoGas	776391	0.8	804489	Pulse	96.5	
Tb	159	He	480127	1.2	476327.536666667	Pulse	100.8	

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Ref CPS	Det.	ISTD %	QC Flag
Tb	159	NoGas	1078150	0.2	1096922.37	Pulse	98.3	
Bi	209	He	314712	1.5	312659.866666667	Pulse	100.7	
Bi	209	NoGas	539808	0.7	550606.38	Pulse	98.0	

Calibration Standard Report - ICPMS5

Sample Name:	**1A14033-CAL2**	Total Dilution:	**1.0000**
File Name:	007CALS.d	Vial:	1103
File Path:	E:\Agilent\ICPMH\Data\1A14033a.b	Sample Type:	CalStd
Acq Time:	01/14/2021 11:24:08	I.S. Reference File:	005CALB.d
Comment:	**A21A062 KT 1/14**	Last Calibration:	01/14/2021 14:31:49

FullQuant Table:

Element	Mass	ISTD	Tune Mode	Raw Conc	Units	RSD(%)	CPS	CPS RSD	QC Flag
Be	9	6	NoGas	0.941	ppb	7.2	1563	4.8	
Na	23	45	He	44.464	ppb	1.8	23085	1.9	
Mg	24	45	He	47.579	ppb	3.9	12678	3.2	
Al	27	45	He	46.046	ppb	3.5	3706	2.7	
K	39	45	He	48.841	ppb	0.8	17986	0.4	
Ca	44	45	H2	286.784	ppb	7.5	40185	0.9	
[Ca]	44	45	He	279.69	ppb	0.9	2381	1.3	
Ti	47	45	NoGas	0.906	ppb	10.4	903	9.8	
V	51	74	He	0.894	ppb	2.1	1830	1.6	
Cr	52	74	He	0.864	ppb	3.2	1993	2.9	
Mn	55	74	He	0.862	ppb	5.6	1135	4.5	
Fe	56	74	H2	45.814	ppb	5.8	353872	1.4	
Co	59	74	He	0.912	ppb	1.0	3090	1.3	
Ni	60	74	He	0.826	ppb	7.0	1339	3.2	
Cu	65	74	He	0.933	ppb	7.7	1118	6.6	
Zn	66	74	He	0.9	ppb	24.2	356	20.2	
As	75	74	He	0.87	ppb	17.7	176	16.1	
Se	78	74	H2	0.949	ppb	10.0	179	6.2	
Mo	95	103	He	0.889	ppb	9.8	1001	8.7	
Ag	107	103	He	0.897	ppb	0.7	3236	0.8	
Cd	111	103	He	0.852	ppb	2.6	393	3.5	
[Cd]	111	103	NoGas	0.894	ppb	4.4	1293	5.8	
Sb	121	103	He	0.804	ppb	12.7	950	12.7	
Ba	138	159	He	0.92	ppb	9.4	2267	8.3	
W	182	159	NoGas	0.002	ppb	168.5	71	24.1	
Hg	201	159	NoGas	33.65	ppt	44.7	23	35.9	
Tl	205	159	He	0.889	ppb	1.4	5161	1.1	
Pb	208	159	NoGas	0.899	ppb	2.6	10911	2.7	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Ref CPS	Det.	ISTD %	QC Flag
Li	6	NoGas	650285	3.4	680705.59	Pulse	95.5	
Sc	45	H2	3352249	6.3	3349420.95666667	Analog	100.1	
Sc	45	He	291806	0.8	291137.18	Pulse	100.2	
Sc	45	NoGas	6284328	1.7	6389990.85	Analog	98.3	
Ge	74	H2	583094	4.2	580218.01	Pulse	100.5	
Ge	74	He	121303	0.7	121248.793333333	Pulse	100.0	
Ge	74	NoGas	844595	3.0	871305.86	Pulse	96.9	
Rh	103	He	375585	1.3	373637.25	Pulse	100.5	
Rh	103	NoGas	783281	3.1	804489	Pulse	97.4	
Tb	159	He	476191	1.0	476327.536666667	Pulse	100.0	

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Ref CPS	Det.	ISTD %	QC Flag
Tb	159	NoGas	1080770	2.6	1096922.37	Pulse	98.5	
Bi	209	He	312631	0.8	312659.866666667	Pulse	100.0	
Bi	209	NoGas	545084	2.8	550606.38	Pulse	99.0	

Calibration Standard Report - ICPMS5

Sample Name:	**1A14033-CAL3**	Total Dilution:	**1.0000**
File Name:	008CALS.d	Vial:	1104
File Path:	E:\Agilent\ICPMH\Data\1A14033a.b	Sample Type:	CalStd
Acq Time:	01/14/2021 11:29:31	I.S. Reference File:	005CALB.d
Comment:	**A21A061 KT 1/14**	Last Calibration:	01/14/2021 14:31:49

FullQuant Table:

Element	Mass	ISTD	Tune Mode	Raw Conc	Units	RSD(%)	CPS	CPS RSD	QC Flag
Be	9	6	NoGas	1.864	ppb	2.4	3039	0.7	
Na	23	45	He	90.805	ppb	4.3	41887	1.3	
Mg	24	45	He	91.919	ppb	3.1	22214	1.0	
Al	27	45	He	91.515	ppb	3.3	7383	0.8	
K	39	45	He	90.712	ppb	4.9	24745	0.5	
Ca	44	45	H2	569.243	ppb	4.9	79971	0.5	
[Ca]	44	45	He	561.354	ppb	3.5	4736	1.0	
Ti	47	45	NoGas	1.848	ppb	3.8	1769	6.7	
V	51	74	He	1.792	ppb	2.7	3344	1.2	
Cr	52	74	He	1.762	ppb	3.9	3973	3.7	
Mn	55	74	He	1.76	ppb	2.6	2229	3.5	
Fe	56	74	H2	91.739	ppb	4.0	696085	0.7	
Co	59	74	He	1.767	ppb	1.3	5988	1.5	
Ni	60	74	He	1.758	ppb	3.2	2148	3.1	
Cu	65	74	He	1.91	ppb	3.9	2221	2.8	
Zn	66	74	He	2.246	ppb	15.0	808	12.9	
As	75	74	He	1.72	ppb	4.5	340	4.4	
Se	78	74	H2	1.836	ppb	8.1	345	5.4	
Mo	95	103	He	1.803	ppb	2.1	2023	2.0	
Ag	107	103	He	1.816	ppb	4.5	6539	3.3	
Cd	111	103	He	1.822	ppb	6.9	839	5.6	
[Cd]	111	103	NoGas	1.796	ppb	4.6	2574	2.1	
Sb	121	103	He	1.725	ppb	5.3	2028	6.6	
Ba	138	159	He	1.845	ppb	4.2	4524	1.8	
W	182	159	NoGas	-0.001	ppb	N/A	60	62.6	
Hg	201	159	NoGas	78.028	ppt	21.5	46	20.5	
Tl	205	159	He	1.755	ppb	3.7	10271	1.6	
Pb	208	159	NoGas	1.824	ppb	4.0	22112	2.3	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Ref CPS	Det.	ISTD %	QC Flag
Li	6	NoGas	642245	3.2	680705.59	Pulse	94.3	
Sc	45	H2	3387059	4.8	3349420.95666667	Analog	101.1	
Sc	45	He	294306	2.5	291137.18	Pulse	101.1	
Sc	45	NoGas	6249435	3.9	6389990.85	Analog	97.8	
Ge	74	H2	585284	3.2	580218.01	Pulse	100.9	
Ge	74	He	121696	1.3	121248.793333333	Pulse	100.4	
Ge	74	NoGas	839059	3.5	871305.86	Pulse	96.3	
Rh	103	He	375333	1.3	373637.25	Pulse	100.5	
Rh	103	NoGas	777988	2.7	804489	Pulse	96.7	
Tb	159	He	480722	2.7	476327.536666667	Pulse	100.9	

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Ref CPS	Det.	ISTD %	QC Flag
Tb	159	NoGas	1089523	3.3	1096922.37	Pulse	99.3	
Bi	209	He	315853	2.1	312659.866666667	Pulse	101.0	
Bi	209	NoGas	547239	3.7	550606.38	Pulse	99.4	

Calibration Standard Report - ICPMS5

Sample Name:	**1A14033-CAL4**	Total Dilution:	**1.0000**
File Name:	009CALS.d	Vial:	1105
File Path:	E:\Agilent\ICPMH\Data\1A14033a.b	Sample Type:	CalStd
Acq Time:	01/14/2021 11:34:54	I.S. Reference File:	005CALB.d
Comment:	**A21A060 KT 1/14**	Last Calibration:	01/14/2021 14:31:49

FullQuant Table:

Element	Mass	ISTD	Tune Mode	Raw Conc	Units	RSD(%)	CPS	CPS RSD	QC Flag
Be	9	6	NoGas	3.75	ppb	1.4	5953	3.9	
Na	23	45	He	191.591	ppb	3.4	77919	0.8	
Mg	24	45	He	193.114	ppb	5.7	41342	1.7	
Al	27	45	He	195.717	ppb	4.5	14881	0.7	
K	39	45	He	197.004	ppb	4.5	39278	1.1	
Ca	44	45	H2	1124.884	ppb	5.1	154923	1.2	
[Ca]	44	45	He	1176.838	ppb	7.3	9298	3.5	
Ti	47	45	NoGas	3.596	ppb	1.3	3287	3.1	
V	51	74	He	3.696	ppb	5.9	6195	1.6	
Cr	52	74	He	3.674	ppb	8.2	7733	4.4	
Mn	55	74	He	3.667	ppb	9.2	4295	5.2	
Fe	56	74	H2	188.402	ppb	3.0	1393063	1.1	
Co	59	74	He	3.734	ppb	4.1	11953	0.5	
Ni	60	74	He	3.844	ppb	10.2	3734	4.7	
Cu	65	74	He	4.058	ppb	4.4	4394	2.9	
Zn	66	74	He	3.841	ppb	6.9	1272	4.9	
As	75	74	He	3.843	ppb	8.8	708	5.0	
Se	78	74	H2	3.548	ppb	0.8	654	3.1	
Mo	95	103	He	3.759	ppb	4.6	3974	1.2	
Ag	107	103	He	3.705	ppb	8.3	12572	3.8	
Cd	111	103	He	3.72	ppb	7.4	1616	2.8	
[Cd]	111	103	NoGas	3.666	ppb	2.6	5134	3.6	
Sb	121	103	He	3.703	ppb	4.1	4097	0.8	
Ba	138	159	He	3.82	ppb	7.9	8888	4.1	
W	182	159	NoGas	-0.005	ppb	N/A	41	38.3	
Hg	201	159	NoGas	155.92	ppt	9.4	84	9.1	
Tl	205	159	He	3.722	ppb	4.8	20831	0.9	
Pb	208	159	NoGas	3.708	ppb	1.6	44011	1.5	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Ref CPS	Det.	ISTD %	QC Flag
Li	6	NoGas	627305	2.6	680705.59	Pulse	92.2	
Sc	45	H2	3335546	4.2	3349420.95666667	Analog	99.6	
Sc	45	He	278425	4.0	291137.18	Pulse	95.6	
Sc	45	NoGas	6070936	1.9	6389990.85	Analog	95.0	
Ge	74	H2	576805	2.5	580218.01	Pulse	99.4	
Ge	74	He	115338	4.2	121248.793333333	Pulse	95.1	
Ge	74	NoGas	821697	2.5	871305.86	Pulse	94.3	
Rh	103	He	354654	4.6	373637.25	Pulse	94.9	
Rh	103	NoGas	760170	2.5	804489	Pulse	94.5	
Tb	159	He	460140	3.9	476327.536666667	Pulse	96.6	

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Ref CPS	Det.	ISTD %	QC Flag
Tb	159	NoGas	1070445	2.2	1096922.37	Pulse	97.6	
Bi	209	He	302989	3.7	312659.866666667	Pulse	96.9	
Bi	209	NoGas	541864	2.8	550606.38	Pulse	98.4	

Calibration Standard Report - ICPMS5

Sample Name:	**1A14033-CAL5**	Total Dilution:	**1.0000**
File Name:	010CALS.d	Vial:	1106
File Path:	E:\Agilent\ICPMH\Data\1A14033a.b	Sample Type:	CalStd
Acq Time:	01/14/2021 11:40:17	I.S. Reference File:	005CALB.d
Comment:	**A21A002 KT 1/14**	Last Calibration:	01/14/2021 14:31:49

FullQuant Table:

Element	Mass	ISTD	Tune Mode	Raw Conc	Units	RSD(%)	CPS	CPS RSD	QC Flag
Be	9	6	NoGas	10.048	ppb	2.6	16341	3.2	
Na	23	45	He	398.261	ppb	2.9	164060	0.3	
Mg	24	45	He	398.216	ppb	4.6	86615	2.0	
Al	27	45	He	403.869	ppb	4.0	32158	1.8	
K	39	45	He	404.387	ppb	4.1	73660	1.1	
Ca	44	45	H2	419.086	ppb	2.8	56953	0.7	
[Ca]	44	45	He	394.484	ppb	7.9	3321	4.7	
Ti	47	45	NoGas	19.993	ppb	2.4	18357	1.1	
V	51	74	He	19.558	ppb	2.8	33159	1.0	
Cr	52	74	He	19.153	ppb	2.1	42127	0.3	
Mn	55	74	He	19.154	ppb	2.6	23299	1.8	
Fe	56	74	H2	418.951	ppb	0.7	3041119	0.2	
Co	59	74	He	19.509	ppb	1.6	65767	0.5	
Ni	60	74	He	20.283	ppb	2.3	18106	1.0	
Cu	65	74	He	20.901	ppb	1.7	23570	0.4	
Zn	66	74	He	21.306	ppb	6.0	7193	4.5	
As	75	74	He	19.655	ppb	2.9	3782	1.3	
Se	78	74	H2	9.935	ppb	2.3	1804	2.7	
Mo	95	103	He	9.513	ppb	2.5	10601	2.2	
Ag	107	103	He	9.706	ppb	2.7	34763	0.8	
Cd	111	103	He	19.353	ppb	2.2	8872	0.8	
[Cd]	111	103	NoGas	19.623	ppb	1.5	27865	2.9	
Sb	121	103	He	9.376	ppb	4.7	10927	2.7	
Ba	138	159	He	20.221	ppb	2.2	48957	1.3	
W	182	159	NoGas	0.003	ppb	131.6	72	18.7	
Hg	201	159	NoGas	422.73	ppt	6.2	219	4.6	
Tl	205	159	He	9.567	ppb	3.8	55961	1.0	
Pb	208	159	NoGas	20.255	ppb	1.0	239752	1.7	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Ref CPS	Det.	ISTD %	QC Flag
Li	6	NoGas	644345	3.1	680705.59	Pulse	94.7	
Sc	45	H2	3261607	2.2	3349420.95666667	Analog	97.4	
Sc	45	He	291870	3.0	291137.18	Pulse	100.3	
Sc	45	NoGas	6190835	1.7	6389990.85	Analog	96.9	
Ge	74	H2	569486	0.9	580218.01	Pulse	98.2	
Ge	74	He	121530	1.8	121248.793333333	Pulse	100.2	
Ge	74	NoGas	836642	2.4	871305.86	Pulse	96.0	
Rh	103	He	373727	1.9	373637.25	Pulse	100.0	
Rh	103	NoGas	771204	2.0	804489	Pulse	95.9	
Tb	159	He	480712	2.8	476327.536666667	Pulse	100.9	

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Ref CPS	Det.	ISTD %	QC Flag
Tb	159	NoGas	1070985	2.7	1096922.37	Pulse	97.6	
Bi	209	He	314969	2.8	312659.866666667	Pulse	100.7	
Bi	209	NoGas	538136	2.5	550606.38	Pulse	97.7	

Calibration Standard Report - ICPMS5

Sample Name:	**1A14033-CAL6**	Total Dilution:	**1.0000**
File Name:	011CALS.d	Vial:	1107
File Path:	E:\Agilent\ICPMH\Data\1A14033a.b	Sample Type:	CalStd
Acq Time:	01/14/2021 11:45:40	I.S. Reference File:	005CALB.d
Comment:	**A21A059**	Last Calibration:	01/14/2021 14:31:49

FullQuant Table:

Element	Mass	ISTD	Tune Mode	Raw Conc	Units	RSD(%)	CPS	CPS RSD	QC Flag
Be	9	6	NoGas	50.483	ppb	1.9	80838	1.6	
Na	23	45	He	2589.103	ppb	1.1	1010449	0.9	
Mg	24	45	He	2510.403	ppb	0.5	518535	0.4	
Al	27	45	He	2541.566	ppb	0.3	196987	0.2	
K	39	45	He	2563.88	ppb	0.7	401332	0.5	
Ca	44	45	H2	15487.795	ppb	5.7	2096485	2.1	
[Ca]	44	45	He	15465.698	ppb	0.9	124017	0.7	
Ti	47	45	NoGas	50.47	ppb	4.5	45545	2.5	
V	51	74	He	49.179	ppb	1.2	80624	0.6	
Cr	52	74	He	48.105	ppb	1.2	102777	0.3	
Mn	55	74	He	48.042	ppb	1.7	56707	0.8	
Fe	56	74	H2	2538.161	ppb	3.9	18362884	1.3	
Co	59	74	He	48.928	ppb	1.5	160399	1.0	
Ni	60	74	He	50.578	ppb	1.0	43005	1.4	
Cu	65	74	He	51.074	ppb	1.3	55921	0.3	
Zn	66	74	He	50.936	ppb	2.3	16663	3.3	
As	75	74	He	49.508	ppb	0.9	9253	0.7	
Se	78	74	H2	50.807	ppb	3.5	9218	1.2	
Mo	95	103	He	48.563	ppb	1.5	52358	0.7	
Ag	107	103	He	48.206	ppb	1.0	167127	0.6	
Cd	111	103	He	49.241	ppb	0.7	21854	1.5	
[Cd]	111	103	NoGas	50.168	ppb	5.5	69005	3.9	
Sb	121	103	He	48.722	ppb	1.4	54953	1.4	
Ba	138	159	He	50.605	ppb	0.1	120890	0.5	
W	182	159	NoGas	0	ppb	N/A	59	11.8	
Hg	201	159	NoGas	2075.032	ppt	3.1	1051	2.1	
Tl	205	159	He	48.095	ppb	0.7	277873	1.1	
Pb	208	159	NoGas	50.259	ppb	3.7	592678	2.6	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Ref CPS	Det.	ISTD %	QC Flag
Li	6	NoGas	635049	0.7	680705.59	Pulse	93.3	
Sc	45	H2	3293083	3.7	3349420.95666667	Analog	98.3	
Sc	45	He	284216	0.1	291137.18	Pulse	97.6	
Sc	45	NoGas	6098864	2.1	6389990.85	Analog	95.4	
Ge	74	H2	570357	2.8	580218.01	Pulse	98.3	
Ge	74	He	118196	1.1	121248.793333333	Pulse	97.5	
Ge	74	NoGas	817527	1.0	871305.86	Pulse	93.8	
Rh	103	He	361725	0.8	373637.25	Pulse	96.8	
Rh	103	NoGas	747615	1.8	804489	Pulse	92.9	
Tb	159	He	474514	0.6	476327.536666667	Pulse	99.6	

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Ref CPS	Det.	ISTD %	QC Flag
Tb	159	NoGas	1067561	1.1	1096922.37	Pulse	97.3	
Bi	209	He	308784	0.9	312659.866666667	Pulse	98.8	
Bi	209	NoGas	537212	0.6	550606.38	Pulse	97.6	

Calibration Standard Report - ICPMS5

Sample Name:	**1A14033-CAL7**	Total Dilution:	**1.0000**
File Name:	012CALS.d	Vial:	1108
File Path:	E:\Agilent\ICPMH\Data\1A14033a.b	Sample Type:	CalStd
Acq Time:	01/14/2021 11:51:01	I.S. Reference File:	005CALB.d
Comment:	**A21A003**	Last Calibration:	01/14/2021 14:31:49

FullQuant Table:

Element	Mass	ISTD	Tune Mode	Raw Conc	Units	RSD(%)	CPS	CPS RSD	QC Flag
Be	9	6	NoGas	99.747	ppb	0.3	154395	1.9	
Na	23	45	He	4315.144	ppb	5.0	1555246	1.1	
Mg	24	45	He	4147.842	ppb	4.5	791398	0.5	
Al	27	45	He	4191.665	ppb	5.1	300604	0.8	
K	39	45	He	4224.7	ppb	5.7	605825	1.3	
Ca	44	45	H2	3980.758	ppb	4.1	536704	1.4	
[Ca]	44	45	He	4234.695	ppb	4.2	31484	0.5	
Ti	47	45	NoGas	197.165	ppb	1.2	171441	1.4	
V	51	74	He	205.413	ppb	5.1	308221	1.0	
Cr	52	74	He	202.074	ppb	5.7	395979	0.8	
Mn	55	74	He	201.783	ppb	5.0	218407	0.9	
Fe	56	74	H2	3973.957	ppb	4.3	28410948	2.1	
Co	59	74	He	203.857	ppb	4.9	613486	0.7	
Ni	60	74	He	212.678	ppb	5.0	164213	1.4	
Cu	65	74	He	216.337	ppb	6.1	217183	1.3	
Zn	66	74	He	214.797	ppb	5.5	64328	1.4	
As	75	74	He	205.369	ppb	5.8	35201	1.3	
Se	78	74	H2	99.604	ppb	3.2	17861	1.0	
Mo	95	103	He	100.762	ppb	4.0	100606	1.0	
Ag	107	103	He	100.922	ppb	4.7	323950	0.5	
Cd	111	103	He	207.467	ppb	3.9	85266	1.0	
[Cd]	111	103	NoGas	195.237	ppb	0.1	263499	2.0	
Sb	121	103	He	100.7	ppb	5.0	105139	0.7	
Ba	138	159	He	210.16	ppb	5.3	466356	1.6	
W	182	159	NoGas	0.01	ppb	70.7	102	27.7	
Hg	201	159	NoGas	3959.673	ppt	2.0	1980	1.7	
Tl	205	159	He	100.993	ppb	4.6	542311	0.5	
Pb	208	159	NoGas	199.698	ppb	0.3	2329394	2.3	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Ref CPS	Det.	ISTD %	QC Flag
Li	6	NoGas	613936	2.2	680705.59	Pulse	90.2	
Sc	45	H2	3274576	2.8	3349420.95666667	Analog	97.8	
Sc	45	He	263402	4.5	291137.18	Pulse	90.5	
Sc	45	NoGas	5878700	1.0	6389990.85	Analog	92.0	
Ge	74	H2	563742	2.2	580218.01	Pulse	97.2	
Ge	74	He	108690	5.2	121248.793333333	Pulse	89.6	
Ge	74	NoGas	793796	2.0	871305.86	Pulse	91.1	
Rh	103	He	335373	4.5	373637.25	Pulse	89.8	
Rh	103	NoGas	733109	2.0	804489	Pulse	91.1	
Tb	159	He	441636	4.5	476327.536666667	Pulse	92.7	

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Ref CPS	Det.	ISTD %	QC Flag
Tb	159	NoGas	1055879	2.0	1096922.37	Pulse	96.3	
Bi	209	He	290496	5.3	312659.866666667	Pulse	92.9	
Bi	209	NoGas	533585	2.1	550606.38	Pulse	96.9	

Calibration Standard Report - ICPMS5

Sample Name:	**1A14033-CAL8**	Total Dilution:	**1.0000**
File Name:	013CALS.d	Vial:	1109
File Path:	E:\Agilent\ICPMH\Data\1A14033a.b	Sample Type:	CalStd
Acq Time:	01/14/2021 11:56:22	I.S. Reference File:	005CALB.d
Comment:	**A20L109**	Last Calibration:	01/14/2021 14:31:49

FullQuant Table:

Element	Mass	ISTD	Tune Mode	Raw Conc	Units	RSD(%)	CPS	CPS RSD	QC Flag
Be	9	6	NoGas	0.042	ppb	18.7	86	15.7	
Na	23	45	He	10193.195	ppb	0.3	3808135	0.6	
Mg	24	45	He	10255.662	ppb	1.0	2028026	0.9	
Al	27	45	He	9991.874	ppb	0.7	744072	0.3	
K	39	45	He	10319.571	ppb	1.2	1523034	1.1	
Ca	44	45	H2	9883.232	ppb	4.0	1329142	1.4	
[Ca]	44	45	He	10092.563	ppb	1.1	77799	1.4	
Ti	47	45	NoGas	499.676	ppb	1.9	432436	0.7	
V	51	74	He	497.934	ppb	0.4	777364	0.6	
Cr	52	74	He	487.058	ppb	0.6	993689	0.6	
Mn	55	74	He	485.311	ppb	0.4	546717	0.6	
Fe	56	74	H2	9936.398	ppb	3.2	69913670	0.7	
Co	59	74	He	498.583	ppb	1.7	1561905	1.6	
Ni	60	74	He	506.767	ppb	0.3	406503	0.4	
Cu	65	74	He	513.026	ppb	0.5	536263	0.8	
Zn	66	74	He	513.687	ppb	0.7	160105	1.1	
As	75	74	He	497.914	ppb	0.6	88855	0.9	
Se	78	74	H2	0.18	ppb	16.7	35	17.8	
Mo	95	103	He	0.123	ppb	19.8	133	18.9	
Ag	107	103	He	0.028	ppb	9.3	100	8.8	
Cd	111	103	He	497.114	ppb	0.4	211211	0.4	
[Cd]	111	103	NoGas	501.903	ppb	2.3	664452	2.1	
Sb	121	103	He	0.124	ppb	12.1	142	11.6	
Ba	138	159	He	500.44	ppb	1.4	1156798	1.0	
W	182	159	NoGas	100	ppb	1.8	408082	2.3	
Hg	201	159	NoGas	129.144	ppt	7.6	70	6.3	
Tl	205	159	He	0.055	ppb	12.4	316	12.2	
Pb	208	159	NoGas	500.084	ppb	1.2	5835207	1.8	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Ref CPS	Det.	ISTD %	QC Flag
Li	6	NoGas	613697	1.7	680705.59	Pulse	90.2	
Sc	45	H2	3270522	4.8	3349420.95666667	Analog	97.6	
Sc	45	He	273126	0.7	291137.18	Pulse	93.8	
Sc	45	NoGas	5852943	1.2	6389990.85	Analog	91.6	
Ge	74	H2	555046	3.5	580218.01	Pulse	95.7	
Ge	74	He	112954	0.3	121248.793333333	Pulse	93.2	
Ge	74	NoGas	791180	1.7	871305.86	Pulse	90.8	
Rh	103	He	346312	0.2	373637.25	Pulse	92.7	
Rh	103	NoGas	719163	0.9	804489	Pulse	89.4	
Tb	159	He	459390	0.4	476327.536666667	Pulse	96.4	

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Ref CPS	Det.	ISTD %	QC Flag
Tb	159	NoGas	1056298	1.1	1096922.37	Pulse	96.3	
Bi	209	He	298934	1.5	312659.866666667	Pulse	95.6	
Bi	209	NoGas	524285	0.9	550606.38	Pulse	95.2	

Calibration Standard Report - ICPMS5

Sample Name:	**1A14033-CAL9**	Total Dilution:	**1.0000**
File Name:	014CALS.d	Vial:	1110
File Path:	E:\Agilent\ICPMH\Data\1A14033a.b	Sample Type:	CalStd
Acq Time:	01/14/2021 12:01:36	I.S. Reference File:	005CALB.d
Comment:	**A20L050**	Last Calibration:	01/14/2021 14:31:49

FullQuant Table:

Element	Mass	ISTD	Tune Mode	Raw Conc	Units	RSD(%)	CPS	CPS RSD	QC Flag
Be	9	6	NoGas	0.026	ppb	28.8	62	21.7	
Na	23	45	He	49931.666	ppb	1.6	18522797	0.6	
Mg	24	45	He	49936.481	ppb	1.8	9805827	0.3	
Al	27	45	He	49984.123	ppb	1.1	3699893	0.4	
K	39	45	He	49914.815	ppb	2.5	7284980	1.0	
Ca	44	45	H2	49877.026	ppb	6.9	6422261	1.1	
[Ca]	44	45	He	49820.672	ppb	2.2	381413	0.8	
Ti	47	45	NoGas	2500.282	ppb	1.6	2161756	2.6	
V	51	74	He	0.046	ppb	7.7	365	1.3	
Cr	52	74	He	1006.168	ppb	1.9	1969183	0.5	
Mn	55	74	He	2502.841	ppb	2.9	2704242	1.5	
Fe	56	74	H2	50012.71	ppb	5.7	330337086	1.5	
Co	59	74	He	0.215	ppb	6.3	666	6.0	
Ni	60	74	He	994.046	ppb	2.1	764384	0.7	
Cu	65	74	He	990.146	ppb	2.0	992817	0.6	
Zn	66	74	He	2496.049	ppb	1.9	746120	0.5	
As	75	74	He	0.201	ppb	19.9	43	16.3	
Se	78	74	H2	0.08	ppb	25.3	16	24.7	
Mo	95	103	He	0.097	ppb	12.6	99	11.8	
Ag	107	103	He	0.019	ppb	22.2	67	20.0	
Cd	111	103	He	0.188	ppb	9.2	74	7.4	
[Cd]	111	103	NoGas	0.188	ppb	4.9	241	6.4	
Sb	121	103	He	0.061	ppb	42.0	69	36.6	
Ba	138	159	He	2499.085	ppb	2.3	5567320	0.4	
W	182	159	NoGas	0.263	ppb	6.1	1103	3.4	
Hg	201	159	NoGas	45.815	ppt	32.4	28	27.5	
Tl	205	159	He	0.009	ppb	52.5	53	45.1	
Pb	208	159	NoGas	0.192	ppb	2.6	2352	4.4	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Ref CPS	Det.	ISTD %	QC Flag
Li	6	NoGas	627051	2.8	680705.59	Pulse	92.1	
Sc	45	H2	3137096	5.8	3349420.95666667	Analog	93.7	
Sc	45	He	271522	1.5	291137.18	Pulse	93.3	
Sc	45	NoGas	5846596	1.3	6389990.85	Analog	91.5	
Ge	74	H2	521613	4.3	580218.01	Pulse	89.9	
Ge	74	He	108379	1.4	121248.793333333	Pulse	89.4	
Ge	74	NoGas	763342	2.4	871305.86	Pulse	87.6	
Rh	103	He	320822	2.3	373637.25	Pulse	85.9	
Rh	103	NoGas	686705	1.8	804489	Pulse	85.4	
Tb	159	He	442869	1.9	476327.536666667	Pulse	93.0	

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Ref CPS	Det.	ISTD %	QC Flag
Tb	159	NoGas	1030078	2.5	1096922.37	Pulse	93.9	
Bi	209	He	274648	1.7	312659.866666667	Pulse	87.8	
Bi	209	NoGas	483404	2.4	550606.38	Pulse	87.8	

Continuing Calibration Verification (CCV) Report - ICPMS5

Sample Name:	**1A14033-ICV1**	Total Dilution:	**1.0000**
File Name:	015_ICV.d	Vial:	2
File Path:	E:\Agilent\ICPMH\Data\1A14033a.b	Sample Type:	ICV
Acq Time:	01/14/2021 12:08:40	I.S. Reference File:	005CALB.d
Comment:	**A21A136 KT 1/14**	Last Calibration:	01/14/2021 14:31:49

Analyte Table:

Name	Mass	ISTD	Tune	Conc.	Units	Conc. RSD	CPS	ExpValue	% Rec	Flag
Be	9	6	NoGas	40.302	ppb	0.2	63703	40	100.76	
Na	23	45	He	8146.940	ppb	1.5	3187782	8000	101.84	
Mg	24	45	He	8497.794	ppb	1.7	1759842	8000	106.22	
Al	27	45	He	7992.376	ppb	1.5	623178	8000	99.9	
K	39	45	He	8442.279	ppb	3.0	1306325	8000	105.53	
Ca	44	45	H2	8490.161	ppb	9.9	1135674	8000	106.13	
[Ca]	44	45	He	8261.789	ppb	0.6	66699	8000	103.27	
Ti	47	45	NoGas	102.218	ppb	1.7	92494	100	102.22	
V	51	74	He	101.353	ppb	1.6	165169	100	101.35	
Cr	52	74	He	99.331	ppb	1.4	211297	100	99.33	
Mn	55	74	He	102.848	ppb	1.2	120832	100	102.85	
Fe	56	74	H2	8362.884	ppb	8.3	59058211	8000	104.54	
Co	59	74	He	101.890	ppb	2.0	332688	100	101.89	
Ni	60	74	He	106.214	ppb	1.1	89287	100	106.21	
Cu	65	74	He	105.716	ppb	2.7	115214	100	105.72	
Zn	66	74	He	103.327	ppb	2.0	33605	100	103.33	
As	75	74	He	102.592	ppb	1.7	19088	100	102.59	
Se	78	74	H2	41.610	ppb	7.7	7374	40	104.02	
Mo	95	103	He	39.557	ppb	0.5	41679	40	98.89	
Ag	107	103	He	39.246	ppb	0.4	132953	40	98.12	
Cd	111	103	He	99.487	ppb	1.8	43135	100	99.49	
[Cd]	111	103	NoGas	99.249	ppb	1.0	134491	100	99.25	
Sb	121	103	He	39.962	ppb	1.3	44038	40	99.91	
Ba	138	159	He	103.531	ppb	0.7	242725	100	103.53	
Hg	201	159	NoGas	794.116	ppt	5.4	401	800	99.26	
Tl	205	159	He	41.114	ppb	1.5	233170	40	102.78	
Pb	208	159	NoGas	102.687	ppb	1.0	1198798	100	102.69	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC Flag
Li	6	NoGas	Pulse	3.0	626790	680705.59	92.1	
Sc	45	H2	Analog	7.1	3263863	3349420.95666667	97.4	
Sc	45	He	Pulse	1.4	285999	291137.18	98.2	
Sc	45	NoGas	Analog	2.2	6116895	6389990.85	95.7	
Ge	74	H2	Pulse	5.2	558236	580218.01	96.2	
Ge	74	He	Pulse	1.8	117746	121248.793333333	97.1	
Ge	74	NoGas	Pulse	3.1	808607	871305.86	92.8	
Rh	103	He	Pulse	1.5	353447	373637.25	94.6	
Rh	103	NoGas	Pulse	2.3	736151	804489	91.5	
Tb	159	He	Pulse	1.5	465845	476327.536666667	97.8	

Continuing Calibration Verification (CCV) Report - ICPMS5

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC Flag
Tb	159	NoGas	Pulse	2.4	1056817	1096922.37	96.3	
Bi	209	He	Pulse	1.2	300395	312659.866666667	96.1	
Bi	209	NoGas	Pulse	2.8	524206	550606.38	95.2	

Continuing Calibration Blank (CCB) Report ICPMS5

Sample Name:	**1A14033-ICB1**	Total Dilution:	**1.0000**
File Name:	016_ICB.d	Vial:	1
File Path:	E:\Agilent\ICPMH\Data\1A14033a.b	Sample Type:	ICB
Acq Time:	01/14/2021 12:13:42	I.S. Reference File:	005CALB.d
Comment:	**CCB**	Last Calibration:	01/14/2021 14:31:49

Analyte Table:

Name	Mass	ISTD	Tune Mode	Conc.	Units	Conc. RSD	CPS	QC Flag
Be	9	6	NoGas	0.028	ppb	26.1	67	
Na	23	45	He	6.339	ppb	11.4	7720	
Mg	24	45	He	-3.063	ppb	N/A	1949	
Al	27	45	He	1.254	ppb	30.9	140	
K	39	45	He	4.719	ppb	68.0	10840	
Ca	44	45	H2	1.521	ppb	67.6	941	
[Ca]	44	45	He	1.294	ppb	169.7	89	
Ti	47	45	NoGas	0.062	ppb	47.4	117	
V	51	74	He	-0.051	ppb	N/A	238	
Cr	52	74	He	0.039	ppb	24.2	181	
Mn	55	74	He	0.017	ppb	87.1	110	
Fe	56	74	H2	2.650	ppb	5.4	34317	
Co	59	74	He	0.020	ppb	19.2	89	
Ni	60	74	He	-0.142	ppb	N/A	493	
Cu	65	74	He	0.081	ppb	2.0	158	
Zn	66	74	He	0.117	ppb	48.4	91	
As	75	74	He	0.021	ppb	53.0	13	
Se	78	74	H2	0.043	ppb	46.0	11	
Mo	95	103	He	0.041	ppb	43.8	51	
Ag	107	103	He	0.005	ppb	30.0	26	
Cd	111	103	He	0.030	ppb	66.6	14	
[Cd]	111	103	NoGas	0.019	ppb	68.1	30	
Sb	121	103	He	0.039	ppb	67.1	53	
Ba	138	159	He	0.068	ppb	7.9	223	
Hg	201	159	NoGas	11.095	ppt	41.9	11	
Tl	205	159	He	0.008	ppb	51.1	53	
Pb	208	159	NoGas	0.057	ppb	9.6	841	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC flag
Li	6	NoGas	Pulse	3.5	639416	680705.59	93.9	
Sc	45	H2	Analog	2.3	3293205	3349420.95666667	98.3	
Sc	45	He	Pulse	0.8	285680	291137.18	98.1	
Sc	45	NoGas	Analog	2.4	6193689	6389990.85	96.9	
Ge	74	H2	Pulse	1.6	568478	580218.01	98.0	
Ge	74	He	Pulse	0.1	118030	121248.793333333	97.3	
Ge	74	NoGas	Pulse	3.3	819731	871305.86	94.1	
Rh	103	He	Pulse	0.1	363220	373637.25	97.2	
Rh	103	NoGas	Pulse	3.2	760057	804489	94.5	
Tb	159	He	Pulse	0.5	466125	476327.536666667	97.9	

Continuing Calibration Blank (CCB) Report ICPMS5

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC flag
Tb	159	NoGas	Pulse	2.5	1055867	1096922.37	96.3	
Bi	209	He	Pulse	0.5	304421	312659.866666667	97.4	
Bi	209	NoGas	Pulse	3.8	529001	550606.38	96.1	

Quantitation Report ICPMS5

File Name	017ICSA.d		
File Path	E:\Agilent\ICPMH\Data\1A14033a.b		
Acq Time	01/14/2021 12:20:07	Sample Type	ICSA
Sample Name	**1A14033-IFA1**		
Comment	**A21A112**	Last Calib	01/14/2021 14:31:49
Prep Dilution	1.0000	Vial:	1111
Total Dilution	**1.0000**	Operator Name	ICPMS Analyst

FullQuant Table

Element	Mass	ISTD	Tune Mode	Raw Conc	Corrected Conc.	Units	RSD(%)	ExpectedValue	QC Flag
Be	9	6	NoGas	0.01	0.010	ppb	42.3	0.2	
Na	23	45	He	257408.652	257408.652	ppb	1.2	250000	
Mg	24	45	He	101610.755	101610.755	ppb	0.8	100000	
Al	27	45	He	102769.973	102769.973	ppb	1.3	100000	
K	39	45	He	103724.748	103724.748	ppb	1.5	100000	
Ca	44	45	H2	326685.199	326685.199	ppb	4.7	300000	
[Ca]	44	45	He	304506.866	304506.866	ppb	2.0	300000	
Ti	47	45	NoGas	2199.892	2199.892	ppb	2.3	2000	
V	51	74	He	0.143	0.143	ppb	5.3	2	
Cr	52	74	He	1.312	1.312	ppb	4.1	2	
Mn	55	74	He	2.482	2.482	ppb	8.4	2	> +/- 10% or >RL
Fe	56	74	H2	275545.634	275545.634	ppb	4.9	250000	
Co	59	74	He	0.708	0.708	ppb	4.2	1	
Ni	60	74	He	0.204	0.204	ppb	38.6	2	
Cu	65	74	He	0.762	0.762	ppb	7.5	2	
Zn	66	74	He	1.125	1.125	ppb	10.2	2	
As	75	74	He	0.099	0.099	ppb	42.0	0.9	
Se	78	74	H2	0.232	0.232	ppb	13.6	0.9	
Mo	95	103	He	2230.432	2230.432	ppb	0.3	2000	
Ag	107	103	He	0.026	0.026	ppb	4.6	0.2	
Cd	111	103	He	5.526	5.526	ppb	1.7	0.2	> +/- 10% or >RL
[Cd]	111	103	NoGas	0.369	0.369	ppb	46.0		
Sb	121	103	He	0.155	0.155	ppb	10.7	0.9	
Ba	138	159	He	0.533	0.533	ppb	4.5	2	> +/- 10% or >RL
W	182	159	NoGas	104.687	104.687	ppb	2.5		
Hg	201	159	NoGas	104.719	104.719	ppt	16.7		
Tl	205	159	He	0.003	0.003	ppb	85.7	0.2	
Pb	208	159	NoGas	0.208	0.208	ppb	3.1	0.9	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Ref CPS	Det.	ISTD Recovery %	QC Flag
Li	6	NoGas	648766	0.6	680705.59	Pulse	95.3	
Sc	45	H2	2849038	3.0	3349420.95666667	Analog	85.1	
Sc	45	He	259850	0.7	291137.18	Pulse	89.3	
Sc	45	NoGas	5653949	0.0	6389990.85	Analog	88.5	
Ge	74	H2	456064	3.1	580218.01	Pulse	78.6	
Ge	74	He	100395	0.7	121248.793333333	Pulse	82.8	
Ge	74	NoGas	710191	1.0	871305.86	Pulse	81.5	
Rh	103	He	283486	0.6	373637.25	Pulse	75.9	

Quantitation Report ICPMS5

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Ref CPS	Det.	ISTD Recovery %	QC Flag
Rh	103	NoGas	614678	0.4	804489	Pulse	76.4	
Tb	159	He	414599	1.2	476327.536666667	Pulse	87.0	
Tb	159	NoGas	958234	0.2	1096922.37	Pulse	87.4	
Bi	209	He	244892	0.6	312659.866666667	Pulse	78.3	
Bi	209	NoGas	431280	0.3	550606.38	Pulse	78.3	

Quantitation Report ICPMS5

File Name	018ICSB.d		
File Path	E:\Agilent\ICPMH\Data\1A14033a.b		
Acq Time	01/14/2021 12:25:05	Sample Type	ICSB
Sample Name	**1A14033-IFB1**		
Comment	**A21A113**	Last Calib	01/14/2021 14:31:49
Prep Dilution	1.0000	Vial:	1112
Total Dilution	**1.0000**	Operator Name	ICPMS Analyst

FullQuant Table

Element	Mass	ISTD	Tune Mode	Raw Conc	Corrected Conc.	Units	RSD(%)	ExpectedValue	QC Flag
Be	9	6	NoGas	0.017	0.017	ppb	56.0		
Na	23	45	He	258034.304	258034.304	ppb	0.9	250000	
Mg	24	45	He	101747.678	101747.678	ppb	1.0	100000	
Al	27	45	He	103306.514	103306.514	ppb	1.0	100000	
K	39	45	He	101073.901	101073.901	ppb	0.3	100000	
Ca	44	45	H2	306060.635	306060.635	ppb	2.5	300000	
[Ca]	44	45	He	300730.781	300730.781	ppb	0.7	300000	
Ti	47	45	NoGas	2158.374	2158.374	ppb	3.6		
V	51	74	He	218.275	218.275	ppb	0.9	200	
Cr	52	74	He	206.222	206.222	ppb	0.8	200	
Mn	55	74	He	212.104	212.104	ppb	1.0	200	
Fe	56	74	H2	261248.365	261248.365	ppb	1.6	250000	
Co	59	74	He	199.546	199.546	ppb	1.2		
Ni	60	74	He	197.678	197.678	ppb	0.8	200	
Cu	65	74	He	195.042	195.042	ppb	1.2	200	
Zn	66	74	He	96.887	96.887	ppb	1.5	100	
As	75	74	He	102.292	102.292	ppb	0.5	100	
Se	78	74	H2	105.426	105.426	ppb	0.5	100	
Mo	95	103	He	2218.561	2218.561	ppb	1.5	2000	
Ag	107	103	He	47.789	47.789	ppb	1.2	50	
Cd	111	103	He	104.414	104.414	ppb	1.3		
[Cd]	111	103	NoGas	100.666	100.666	ppb	2.9		
Sb	121	103	He	0.193	0.193	ppb	7.0	0.9	
Ba	138	159	He	1.243	1.243	ppb	5.7	2	> +/- 10% or >RL
W	182	159	NoGas	102.464	102.464	ppb	3.1		
Hg	201	159	NoGas	2021.568	2021.568	ppt	6.2		
Tl	205	159	He	0	0.000	ppb	231.6		
Pb	208	159	NoGas	0.189	0.189	ppb	8.9	0.9	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Ref CPS	Det.	ISTD Recovery %	QC Flag
Li	6	NoGas	678955	1.2	680705.59	Pulse	99.7	
Sc	45	H2	3030710	2.8	3349420.95666667	Analog	90.5	
Sc	45	He	259646	0.8	291137.18	Pulse	89.2	
Sc	45	NoGas	5765146	1.4	6389990.85	Analog	90.2	
Ge	74	H2	480847	1.6	580218.01	Pulse	82.9	
Ge	74	He	98663	0.9	121248.793333333	Pulse	81.4	
Ge	74	NoGas	723034	1.4	871305.86	Pulse	83.0	
Rh	103	He	278981	1.1	373637.25	Pulse	74.7	

Quantitation Report ICPMS5

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Ref CPS	Det.	ISTD Recovery %	QC Flag
Rh	103	NoGas	627626	2.3	804489	Pulse	78.0	
Tb	159	He	398667	1.3	476327.536666667	Pulse	83.7	
Tb	159	NoGas	962033	1.9	1096922.37	Pulse	87.7	
Bi	209	He	235579	0.7	312659.866666667	Pulse	75.3	
Bi	209	NoGas	430255	0.7	550606.38	Pulse	78.1	

Continuing Calibration Verification (CCV) Report - ICPMS5

Sample Name:	**1A14033-CCV1**	Total Dilution:	**1.0000**
File Name:	029_CCV.d	Vial:	2
File Path:	E:\Agilent\ICPMH\Data\1A14033a.b	Sample Type:	CCV
Acq Time:	01/14/2021 13:20:59	I.S. Reference File:	005CALB.d
Comment:	**CCV A21A136 KT 1/14**	Last Calibration:	01/14/2021 14:31:49

Analyte Table:

Name	Mass	ISTD	Tune	Conc.	Units	Conc. RSD	CPS	ExpValue	% Rec	Flag
Be	9	6	NoGas	39.107	ppb	1.8	62135	40	97.77	
Na	23	45	He	8127.705	ppb	0.3	3145322	8000	101.6	
Mg	24	45	He	8490.876	ppb	1.4	1739003	8000	106.14	
Al	27	45	He	7869.289	ppb	1.1	606807	8000	98.37	
K	39	45	He	8324.938	ppb	1.7	1274168	8000	104.06	
Ca	44	45	H2	8900.468	ppb	5.3	1130047	8000	111.26	> +/- 10%
[Ca]	44	45	He	8213.152	ppb	0.6	65572	8000	102.66	
Ti	47	45	NoGas	100.757	ppb	3.2	91767	100	100.76	
V	51	74	He	101.159	ppb	0.0	162264	100	101.16	
Cr	52	74	He	99.140	ppb	0.9	207572	100	99.14	
Mn	55	74	He	102.121	ppb	0.3	118088	100	102.12	
Fe	56	74	H2	9095.339	ppb	4.6	59722419	8000	113.69	> +/- 10%
Co	59	74	He	101.423	ppb	0.8	325961	100	101.42	
Ni	60	74	He	105.028	ppb	0.6	86905	100	105.03	
Cu	65	74	He	104.661	ppb	1.2	112283	100	104.66	
Zn	66	74	He	102.080	ppb	0.5	32681	100	102.08	
As	75	74	He	100.869	ppb	0.7	18474	100	100.87	
Se	78	74	H2	44.089	ppb	4.3	7265	40	110.22	
Mo	95	103	He	39.053	ppb	1.6	40907	40	97.63	
Ag	107	103	He	38.860	ppb	0.3	130891	40	97.15	
Cd	111	103	He	98.207	ppb	1.0	42339	100	98.21	
[Cd]	111	103	NoGas	98.763	ppb	2.8	133834	100	98.76	
Sb	121	103	He	39.193	ppb	2.1	42944	40	97.98	
Ba	138	159	He	101.741	ppb	0.6	235766	100	101.74	
Hg	201	159	NoGas	829.488	ppt	3.0	418	800	103.69	
Tl	205	159	He	40.496	ppb	0.7	227017	40	101.24	
Pb	208	159	NoGas	101.369	ppb	2.0	1179772	100	101.37	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC Flag
Li	6	NoGas	Pulse	2.4	630078	680705.59	92.6	
Sc	45	H2	Analog	3.5	3087389	3349420.95666667	92.2	
Sc	45	He	Pulse	0.8	282822	291137.18	97.1	
Sc	45	NoGas	Analog	2.1	6157485	6389990.85	96.4	
Ge	74	H2	Pulse	4.0	518224	580218.01	89.3	
Ge	74	He	Pulse	0.4	115876	121248.793333333	95.6	
Ge	74	NoGas	Pulse	1.9	806943	871305.86	92.6	
Rh	103	He	Pulse	0.8	351413	373637.25	94.1	
Rh	103	NoGas	Pulse	2.1	736142	804489	91.5	
Tb	159	He	Pulse	0.1	460423	476327.536666667	96.7	

Continuing Calibration Verification (CCV) Report - ICPMS5

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC Flag
Tb	159	NoGas	Pulse	1.5	1053408	1096922.37	96.0	
Bi	209	He	Pulse	0.5	295922	312659.866666667	94.6	
Bi	209	NoGas	Pulse	2.1	519457	550606.38	94.3	

Continuing Calibration Verification (CCV) Report - ICPMS5

Sample Name:	**1A14033-CCV2**	Total Dilution:	**1.0000**
File Name:	030_CCV.d	Vial:	2
File Path:	E:\Agilent\ICPMH\Data\1A14033a.b	Sample Type:	CCV
Acq Time:	01/14/2021 13:26:01	I.S. Reference File:	005CALB.d
Comment:	**CCV A21A136 KT 1/14**	Last Calibration:	01/14/2021 14:31:49

Analyte Table:

Name	Mass	ISTD	Tune	Conc.	Units	Conc. RSD	CPS	ExpValue	% Rec	Flag
Be	9	6	NoGas	39.702	ppb	3.0	62696	40	99.26	
Na	23	45	He	8131.992	ppb	3.8	3121791	8000	101.65	
Mg	24	45	He	8499.757	ppb	3.5	1727113	8000	106.25	
Al	27	45	He	7907.006	ppb	4.1	604829	8000	98.84	
K	39	45	He	8261.007	ppb	3.8	1254542	8000	103.26	
Ca	44	45	H2	8196.740	ppb	4.3	1111519	8000	102.46	
[Ca]	44	45	He	8252.847	ppb	4.2	65361	8000	103.16	
Ti	47	45	NoGas	102.600	ppb	3.2	92080	100	102.6	
V	51	74	He	101.639	ppb	2.5	161072	100	101.64	
Cr	52	74	He	100.157	ppb	3.7	207149	100	100.16	
Mn	55	74	He	102.512	ppb	3.0	117107	100	102.51	
Fe	56	74	H2	8273.108	ppb	2.5	58600682	8000	103.41	
Co	59	74	He	102.023	ppb	2.6	323948	100	102.02	
Ni	60	74	He	105.296	ppb	2.4	86077	100	105.3	
Cu	65	74	He	105.105	ppb	2.3	111408	100	105.1	
Zn	66	74	He	101.886	ppb	2.4	32227	100	101.89	
As	75	74	He	101.547	ppb	2.1	18375	100	101.55	
Se	78	74	H2	40.667	ppb	1.4	7230	40	101.67	
Mo	95	103	He	39.659	ppb	4.6	41226	40	99.15	
Ag	107	103	He	38.895	ppb	2.3	130075	40	97.24	
Cd	111	103	He	97.979	ppb	3.4	41932	100	97.98	
[Cd]	111	103	NoGas	98.213	ppb	2.5	131900	100	98.21	
Sb	121	103	He	39.427	ppb	3.3	42885	40	98.57	
Ba	138	159	He	102.674	ppb	3.6	235634	100	102.67	
Hg	201	159	NoGas	841.110	ppt	3.2	419	800	105.14	
Tl	205	159	He	40.744	ppb	3.4	226216	40	101.86	
Pb	208	159	NoGas	102.260	ppb	3.2	1175244	100	102.26	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC Flag
Li	6	NoGas	Pulse	4.3	626711	680705.59	92.1	
Sc	45	H2	Analog	3.8	3296800	3349420.95666667	98.4	
Sc	45	He	Pulse	3.2	280780	291137.18	96.4	
Sc	45	NoGas	Analog	4.1	6070816	6389990.85	95.0	
Ge	74	H2	Pulse	2.3	558549	580218.01	96.3	
Ge	74	He	Pulse	2.0	114521	121248.793333333	94.5	
Ge	74	NoGas	Pulse	4.4	802374	871305.86	92.1	
Rh	103	He	Pulse	3.5	349086	373637.25	93.4	
Rh	103	NoGas	Pulse	4.8	730089	804489	90.8	
Tb	159	He	Pulse	3.5	456358	476327.536666667	95.8	

Continuing Calibration Verification (CCV) Report - ICPMS5

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC Flag
Tb	159	NoGas	Pulse	4.8	1041301	1096922.37	94.9	
Bi	209	He	Pulse	2.6	295142	312659.866666667	94.4	
Bi	209	NoGas	Pulse	5.3	512264	550606.38	93.0	

Continuing Calibration Blank (CCB) Report ICPMS5

Sample Name:	**1A14033-CCB1**	Total Dilution:	**1.0000**
File Name:	031_CCB.d	Vial:	1
File Path:	E:\Agilent\ICPMH\Data\1A14033a.b	Sample Type:	CCB
Acq Time:	01/14/2021 13:31:04	I.S. Reference File:	005CALB.d
Comment:	**CCB**	Last Calibration:	01/14/2021 14:31:49

Analyte Table:

Name	Mass	ISTD	Tune Mode	Conc.	Units	Conc. RSD	CPS	QC Flag
Be	9	6	NoGas	0.019	ppb	48.9	51	
Na	23	45	He	14.306	ppb	2.0	10438	
Mg	24	45	He	-3.579	ppb	N/A	1777	
Al	27	45	He	0.579	ppb	28.7	84	
K	39	45	He	2.467	ppb	102.0	10113	
Ca	44	45	H2	-0.456	ppb	N/A	660	
[Ca]	44	45	He	-1.543	ppb	N/A	63	
Ti	47	45	NoGas	0.014	ppb	147.1	72	
V	51	74	He	-0.028	ppb	N/A	266	
Cr	52	74	He	0.014	ppb	37.2	123	
Mn	55	74	He	-0.026	ppb	N/A	58	
Fe	56	74	H2	1.382	ppb	6.6	24537	
Co	59	74	He	0.017	ppb	25.6	77	
Ni	60	74	He	-0.281	ppb	N/A	364	
Cu	65	74	He	0.049	ppb	85.8	119	
Zn	66	74	He	0.056	ppb	104.4	69	
As	75	74	He	0.025	ppb	10.8	14	
Se	78	74	H2	0.037	ppb	65.1	10	
Mo	95	103	He	0.055	ppb	16.6	64	
Ag	107	103	He	0.004	ppb	98.0	21	
Cd	111	103	He	0.012	ppb	10.9	6	
[Cd]	111	103	NoGas	0.003	ppb	206.9	8	
Sb	121	103	He	0.030	ppb	34.0	41	
Ba	138	159	He	0.014	ppb	42.5	93	
Hg	201	159	NoGas	22.396	ppt	28.3	17	
Tl	205	159	He	0.011	ppb	49.6	69	
Pb	208	159	NoGas	0.044	ppb	15.6	694	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC flag
Li	6	NoGas	Mix	3.2	628879	680705.59	92.4	
Sc	45	H2	Analog	2.1	3217616	3349420.95666667	96.1	
Sc	45	He	Pulse	1.8	275354	291137.18	94.6	
Sc	45	NoGas	Analog	1.5	6119511	6389990.85	95.8	
Ge	74	H2	Pulse	1.8	554178	580218.01	95.5	
Ge	74	He	Pulse	1.0	114166	121248.793333333	94.2	
Ge	74	NoGas	Pulse	2.5	805197	871305.86	92.4	
Rh	103	He	Pulse	1.6	351382	373637.25	94.0	
Rh	103	NoGas	Pulse	1.5	752540	804489	93.5	
Tb	159	He	Pulse	1.8	450259	476327.536666667	94.5	

Continuing Calibration Blank (CCB) Report ICPMS5

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC flag
Tb	159	NoGas	Mix	3.4	1064231	1096922.37	97.0	
Bi	209	He	Pulse	2.1	295680	312659.866666667	94.6	
Bi	209	NoGas	Pulse	2.4	529503	550606.38	96.2	

Quantitation Report - ICPMS5

Sample Name:	**1012850-BLK1**	Total Dilution:	**5.0000**
File Name:	032SMPL.d	Vial:	3101
File Path:	E:\Agilent\ICPMH\Data\1A14033a.b	Sample Type:	Sample
Acq Time:	01/14/2021 13:36:12	I.S. Reference File:	005CALB.d
Comment:	**1012850 SED As Cd Cr Cu Mn Pb V Zn**	Last Calibration:	01/14/2021 14:31:49

FullQuant Table:

Element	Mass	ISTD	Tune Mode	Raw Conc	Units	RSD(%)	CPS	LDR	QC Flag
Be	9	6	NoGas	0.009	ppb	110.7	34	100	
Na	23	45	He	16.517	ppb	4.4	11008	50000	
Mg	24	45	He	-4.424	ppb	N/A	1570	50000	
Al	27	45	He	2.725	ppb	17.8	240	50000	
K	39	45	He	0.936	ppb	269.9	9655	50000	
Ca	44	45	H2	3.657	ppb	11.8	1157	50000	
[Ca]	44	45	He	3.303	ppb	80.5	99	50000	
Ti	47	45	NoGas	0.074	ppb	34.5	120	2500	
V	51	74	He	0.088	ppb	14.0	436	500	
Cr	52	74	He	0.056	ppb	33.1	204	1000	
Mn	55	74	He	-0.032	ppb	N/A	49	2500	
Fe	56	74	H2	2.532	ppb	10.0	30977	50000	
Co	59	74	He	0.043	ppb	3.4	152	500	
Ni	60	74	He	-0.371	ppb	N/A	282	1000	
Cu	65	74	He	0.082	ppb	15.9	149	1000	
Zn	66	74	He	0.098	ppb	97.6	80	2500	
As	75	74	He	0.02	ppb	43.3	12	500	
Se	78	74	H2	-0.004	ppb	N/A	2	100	
Mo	95	103	He	0.032	ppb	19.0	39	100	
Ag	107	103	He	0.002	ppb	140.2	16	100	
Cd	111	103	He	0.003	ppb	198.2	2	1000	
[Cd]	111	103	NoGas	0.009	ppb	143.1	15	1000	
Sb	121	103	He	0.018	ppb	76.9	28	100	
Ba	138	159	He	0.02	ppb	57.3	106	2500	
W	182	159	NoGas	0.016	ppb	40.2	122	40	
Hg	201	159	NoGas	14.984	ppt	16.9	12	4000	
Tl	205	159	He	0.003	ppb	59.7	23	100	
Pb	208	159	NoGas	0.022	ppb	32.4	422	500	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Ref CPS	Det.	ISTD %	QC Flag
Li	6	NoGas	601499	1.5	680705.59	Pulse	88.4	
Sc	45	H2	3091448	2.1	3349420.95666667	Analog	92.3	
Sc	45	He	268967	2.2	291137.18	Pulse	92.4	
Sc	45	NoGas	5799893	1.0	6389990.85	Analog	90.8	
Ge	74	H2	526569	2.2	580218.01	Pulse	90.8	
Ge	74	He	110615	1.4	121248.793333333	Pulse	91.2	
Ge	74	NoGas	766316	2.0	871305.86	Pulse	88.0	
Rh	103	He	345179	1.8	373637.25	Pulse	92.4	
Rh	103	NoGas	717419	1.3	804489	Pulse	89.2	

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Ref CPS	Det.	ISTD %	QC Flag
Tb	159	He	446024	2.0	476327.536666667	Pulse	93.6	
Tb	159	NoGas	1022405	1.7	1096922.37	Pulse	93.2	
Bi	209	He	290187	2.2	312659.866666667	Pulse	92.8	
Bi	209	NoGas	506998	2.0	550606.38	Pulse	92.1	

Quantitation Report - ICPMS5

Sample Name:	**1012850-BS1**	Total Dilution:	**5.0000**
File Name:	033SMPL.d	Vial:	3102
File Path:	E:\Agilent\ICPMH\Data\1A14033a.b	Sample Type:	Sample
Acq Time:	01/14/2021 13:41:18	I.S. Reference File:	005CALB.d
Comment:	**1012850 SED As Cd Cr Cu Mn Pb V Zn**	Last Calibration:	01/14/2021 14:31:49

FullQuant Table:

Element	Mass	ISTD	Tune Mode	Raw Conc	Units	RSD(%)	CPS	LDR	QC Flag
Be	9	6	NoGas	24.697	ppb	1.3	38218	100	
Na	23	45	He	2611.202	ppb	0.7	962793	50000	
Mg	24	45	He	2562.601	ppb	1.4	500026	50000	
Al	27	45	He	2572.309	ppb	0.8	188366	50000	
K	39	45	He	2576.703	ppb	1.0	381030	50000	
Ca	44	45	H2	2625.839	ppb	0.5	337299	50000	
[Ca]	44	45	He	2581.677	ppb	1.3	19620	50000	
Ti	47	45	NoGas	50.463	ppb	3.3	44932	2500	
V	51	74	He	52.396	ppb	0.9	79999	500	
Cr	52	74	He	51.604	ppb	0.5	102700	1000	
Mn	55	74	He	51.79	ppb	0.5	56942	2500	
Fe	56	74	H2	2673.344	ppb	0.1	18010853	50000	
Co	59	74	He	51.837	ppb	1.2	158303	500	
Ni	60	74	He	53.927	ppb	2.0	42674	1000	
Cu	65	74	He	53.912	ppb	0.5	54986	1000	
Zn	66	74	He	52.031	ppb	2.2	15852	2500	
As	75	74	He	50.52	ppb	2.6	8795	500	
Se	78	74	H2	24.738	ppb	2.6	4181	100	
Mo	95	103	He	24.997	ppb	1.6	25612	100	
Ag	107	103	He	24.93	ppb	1.1	82125	100	
Cd	111	103	He	49.544	ppb	1.2	20890	1000	
[Cd]	111	103	NoGas	50.481	ppb	2.5	67542	1000	
Sb	121	103	He	23.342	ppb	2.9	25017	100	
Ba	138	159	He	51.746	ppb	2.0	115906	2500	
W	182	159	NoGas	0.017	ppb	64.7	130	40	
Hg	201	159	NoGas	990.459	ppt	3.1	494	4000	
Tl	205	159	He	25.869	ppb	0.4	140140	100	
Pb	208	159	NoGas	52.281	ppb	0.6	604009	500	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Ref CPS	Det.	ISTD %	QC Flag
Li	6	NoGas	613492	2.3	680705.59	Pulse	90.1	
Sc	45	H2	3115307	1.1	3349420.95666667	Analog	93.0	
Sc	45	He	268540	1.0	291137.18	Pulse	92.2	
Sc	45	NoGas	6014132	1.3	6389990.85	Analog	94.1	
Ge	74	H2	530776	0.5	580218.01	Pulse	91.5	
Ge	74	He	110098	0.4	121248.793333333	Pulse	90.8	
Ge	74	NoGas	785298	1.7	871305.86	Pulse	90.1	
Rh	103	He	343679	0.5	373637.25	Pulse	92.0	
Rh	103	NoGas	726912	2.3	804489	Pulse	90.4	

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Ref CPS	Det.	ISTD %	QC Flag
Tb	159	He	444912	0.3	476327.536666667	Pulse	93.4	
Tb	159	NoGas	1045572	1.9	1096922.37	Pulse	95.3	
Bi	209	He	289554	0.4	312659.866666667	Pulse	92.6	
Bi	209	NoGas	522892	2.3	550606.38	Pulse	95.0	

Quantitation Report - ICPMS5

Sample Name:	**A0K0482-07**	Total Dilution:	**5.0000**
File Name:	034SMPL.d	Vial:	3103
File Path:	E:\Agilent\ICPMH\Data\1A14033a.b	Sample Type:	Sample
Acq Time:	01/14/2021 13:46:26	I.S. Reference File:	005CALB.d
Comment:	**1012850 SED As Cd Cr Cu Mn Pb V Zn**	Last Calibration:	01/14/2021 14:31:49

FullQuant Table:

Element	Mass	ISTD	Tune Mode	Raw Conc	Units	RSD(%)	CPS	LDR	QC Flag
Be	9	6	NoGas	0.854	ppb	7.3	1366	100	
Na	23	45	He	801.676	ppb	1.2	313980	50000	
Mg	24	45	He	7624.413	ppb	1.9	1557177	50000	
Al	27	45	He	35453.589	ppb	1.7	2725567	50000	
K	39	45	He	1587.493	ppb	1.0	250336	50000	
Ca	44	45	H2	7880.823	ppb	2.1	1087393	50000	
[Ca]	44	45	He	8030.809	ppb	2.4	63923	50000	
Ti	47	45	NoGas	2609.482	ppb	0.7	2428627	2500	>LDR RR-2
V	51	74	He	133.776	ppb	0.9	206666	500	
Cr	52	74	He	40.457	ppb	1.9	81676	1000	
Mn	55	74	He	683.091	ppb	0.6	760631	2500	
Fe	56	74	H2	50839.475	ppb	2.3	351975706	50000	>LDR RR-2
Co	59	74	He	24.61	ppb	1.3	76229	500	
Ni	60	74	He	36.063	ppb	0.6	29133	1000	
Cu	65	74	He	48.032	ppb	0.7	49688	1000	
Zn	66	74	He	119.266	ppb	0.9	36782	2500	
As	75	74	He	6.257	ppb	2.4	1112	500	
Se	78	74	H2	0.372	ppb	19.3	68	100	
Mo	95	103	He	0.508	ppb	7.5	521	100	
Ag	107	103	He	0.145	ppb	4.2	481	100	
Cd	111	103	He	0.202	ppb	4.4	85	1000	
[Cd]	111	103	NoGas	1.113	ppb	4.5	1488	1000	
Sb	121	103	He	0.26	ppb	16.3	283	100	
Ba	138	159	He	217.646	ppb	1.1	496116	2500	
W	182	159	NoGas	0.136	ppb	10.2	624	40	
Hg	201	159	NoGas	71.961	ppt	19.4	42	4000	
Tl	205	159	He	0.149	ppb	7.0	829	100	
Pb	208	159	NoGas	12.345	ppb	1.3	146155	500	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Ref CPS	Det.	ISTD %	QC Flag
Li	6	NoGas	623865	3.0	680705.59	Pulse	91.6	
Sc	45	H2	3351793	2.6	3349420.95666667	Analog	100.1	
Sc	45	He	281978	0.5	291137.18	Pulse	96.9	
Sc	45	NoGas	6293938	1.6	6389990.85	Analog	98.5	
Ge	74	H2	545969	1.7	580218.01	Pulse	94.1	
Ge	74	He	111655	0.2	121248.793333333	Pulse	92.1	
Ge	74	NoGas	791634	2.4	871305.86	Pulse	90.9	
Rh	103	He	340411	0.6	373637.25	Pulse	91.1	
Rh	103	NoGas	724065	2.3	804489	Pulse	90.0	

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Ref CPS	Det.	ISTD %	QC Flag
Tb	159	He	452977	0.5	476327.536666667	Pulse	95.1	
Tb	159	NoGas	1070426	1.8	1096922.37	Pulse	97.6	
Bi	209	He	287773	0.3	312659.866666667	Pulse	92.0	
Bi	209	NoGas	513233	2.5	550606.38	Pulse	93.2	

Quantitation Report - ICPMS5

Sample Name:	**A0K0482-08**	Total Dilution:	**5.0000**
File Name:	035SMPL.d	Vial:	3104
File Path:	E:\Agilent\ICPMH\Data\1A14033a.b	Sample Type:	Sample
Acq Time:	01/14/2021 13:51:31	I.S. Reference File:	005CALB.d
Comment:	**1012850 SED As Cd Cr Cu Mn Pb V Zn**	Last Calibration:	01/14/2021 14:31:49

FullQuant Table:

Element	Mass	ISTD	Tune Mode	Raw Conc	Units	RSD(%)	CPS	LDR	QC Flag
Be	9	6	NoGas	0.779	ppb	11.5	1271	100	
Na	23	45	He	899.092	ppb	12.1	329045	50000	
Mg	24	45	He	8431.031	ppb	13.1	1610298	50000	
Al	27	45	He	29252.149	ppb	12.0	2105094	50000	
K	39	45	He	1441.772	ppb	13.2	213580	50000	
Ca	44	45	H2	8293.573	ppb	5.1	1166119	50000	
[Ca]	44	45	He	9268.737	ppb	12.4	69032	50000	
Ti	47	45	NoGas	2530.077	ppb	0.4	2370187	2500	>LDR RR-2
V	51	74	He	146.05	ppb	12.2	210744	500	
Cr	52	74	He	37.545	ppb	11.9	70824	1000	
Mn	55	74	He	618.555	ppb	12.2	643365	2500	
Fe	56	74	H2	48052.674	ppb	5.2	339660395	50000	>LDR RR-2
Co	59	74	He	29.072	ppb	11.9	84140	500	
Ni	60	74	He	41.083	ppb	10.9	30961	1000	
Cu	65	74	He	36.694	ppb	12.5	35466	1000	
Zn	66	74	He	96.352	ppb	12.8	27758	2500	
As	75	74	He	5.988	ppb	9.4	997	500	
Se	78	74	H2	0.212	ppb	14.7	41	100	
Mo	95	103	He	0.469	ppb	14.1	457	100	
Ag	107	103	He	0.065	ppb	31.0	208	100	
Cd	111	103	He	0.132	ppb	13.3	53	1000	
[Cd]	111	103	NoGas	0.999	ppb	6.1	1357	1000	
Sb	121	103	He	0.161	ppb	26.5	167	100	
Ba	138	159	He	235.579	ppb	11.0	501545	2500	
W	182	159	NoGas	0.094	ppb	4.4	448	40	
Hg	201	159	NoGas	45.699	ppt	10.1	29	4000	
Tl	205	159	He	0.117	ppb	10.9	608	100	
Pb	208	159	NoGas	5.498	ppb	1.1	65238	500	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Ref CPS	Det.	ISTD %	QC Flag
Li	6	NoGas	636770	3.4	680705.59	Pulse	93.5	
Sc	45	H2	3419957	4.7	3349420.95666667	Analog	102.1	
Sc	45	He	266371	11.4	291137.18	Pulse	91.5	
Sc	45	NoGas	6335663	2.1	6389990.85	Analog	99.1	
Ge	74	H2	558068	4.2	580218.01	Pulse	96.2	
Ge	74	He	105267	11.3	121248.793333333	Pulse	86.8	
Ge	74	NoGas	806058	2.9	871305.86	Pulse	92.5	
Rh	103	He	323393	11.5	373637.25	Pulse	86.6	
Rh	103	NoGas	736337	2.2	804489	Pulse	91.5	

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Ref CPS	Det.	ISTD %	QC Flag
Tb	159	He	426506	11.0	476327.536666667	Pulse	89.5	
Tb	159	NoGas	1071392	2.5	1096922.37	Pulse	97.7	
Bi	209	He	269538	11.1	312659.866666667	Pulse	86.2	
Bi	209	NoGas	513665	2.8	550606.38	Pulse	93.3	

Quantitation Report - ICPMS5

Sample Name:	**A0K0482-09**	Total Dilution:	**5.0000**
File Name:	036SMPL.d	Vial:	3105
File Path:	E:\Agilent\ICPMH\Data\1A14033a.b	Sample Type:	Sample
Acq Time:	01/14/2021 13:57:46	I.S. Reference File:	005CALB.d
Comment:	**1012850 SED As Cd Cr Cu Mn Pb V Zn**	Last Calibration:	01/14/2021 14:31:49

FullQuant Table:

Element	Mass	ISTD	Tune Mode	Raw Conc	Units	RSD(%)	CPS	LDR	QC Flag
Be	9	6	NoGas	0.744	ppb	8.1	1185	100	
Na	23	45	He	841.954	ppb	1.4	336300	50000	
Mg	24	45	He	7814.033	ppb	1.4	1628863	50000	
Al	27	45	He	28978.595	ppb	1.4	2273887	50000	
K	39	45	He	1411.892	ppb	1.6	228371	50000	
Ca	44	45	H2	8877.283	ppb	4.2	1199069	50000	
[Ca]	44	45	He	8574.231	ppb	1.3	69658	50000	
Ti	47	45	NoGas	2477.952	ppb	0.8	2301531	2500	>LDR RR-2
V	51	74	He	131.997	ppb	1.2	207458	500	
Cr	52	74	He	31.805	ppb	3.0	65337	1000	
Mn	55	74	He	440.216	ppb	1.8	498697	2500	
Fe	56	74	H2	50935.631	ppb	3.6	345025070	50000	>LDR RR-2
Co	59	74	He	26.85	ppb	2.0	84604	500	
Ni	60	74	He	37.724	ppb	1.3	30975	1000	
Cu	65	74	He	33.299	ppb	0.9	35066	1000	
Zn	66	74	He	88.374	ppb	2.3	27740	2500	
As	75	74	He	5.903	ppb	1.7	1068	500	
Se	78	74	H2	0.248	ppb	26.1	45	100	
Mo	95	103	He	0.427	ppb	13.9	447	100	
Ag	107	103	He	0.06	ppb	9.5	208	100	
Cd	111	103	He	0.094	ppb	15.0	41	1000	
[Cd]	111	103	NoGas	0.969	ppb	6.5	1301	1000	
Sb	121	103	He	0.119	ppb	3.0	137	100	
Ba	138	159	He	234.516	ppb	1.9	541803	2500	
W	182	159	NoGas	0.1	ppb	26.1	470	40	
Hg	201	159	NoGas	32.183	ppt	17.0	21	4000	
Tl	205	159	He	0.103	ppb	8.0	582	100	
Pb	208	159	NoGas	5.672	ppb	1.4	66513	500	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Ref CPS	Det.	ISTD %	QC Flag
Li	6	NoGas	620333	2.5	680705.59	Pulse	91.1	
Sc	45	H2	3284951	4.9	3349420.95666667	Analog	98.1	
Sc	45	He	287819	0.8	291137.18	Pulse	98.9	
Sc	45	NoGas	6281936	2.2	6389990.85	Analog	98.3	
Ge	74	H2	534511	3.6	580218.01	Pulse	92.1	
Ge	74	He	113597	0.8	121248.793333333	Pulse	93.7	
Ge	74	NoGas	799818	2.2	871305.86	Pulse	91.8	
Rh	103	He	346082	1.4	373637.25	Pulse	92.6	
Rh	103	NoGas	727423	1.9	804489	Pulse	90.4	

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Ref CPS	Det.	ISTD %	QC Flag
Tb	159	He	459134	0.7	476327.536666667	Pulse	96.4	
Tb	159	NoGas	1058999	2.3	1096922.37	Pulse	96.5	
Bi	209	He	287829	1.2	312659.866666667	Pulse	92.1	
Bi	209	NoGas	509912	2.6	550606.38	Pulse	92.6	

Quantitation Report - ICPMS5

Sample Name:	**A0K0482-10**	Total Dilution:	**5.0000**
File Name:	037SMPL.d	Vial:	3106
File Path:	E:\Agilent\ICPMH\Data\1A14033a.b	Sample Type:	Sample
Acq Time:	01/14/2021 14:02:50	I.S. Reference File:	005CALB.d
Comment:	**1012850 SED As Cd Cr Cu Mn Pb V Zn**	Last Calibration:	01/14/2021 14:31:49

FullQuant Table:

Element	Mass	ISTD	Tune Mode	Raw Conc	Units	RSD(%)	CPS	LDR	QC Flag
Be	9	6	NoGas	0.7	ppb	9.1	1148	100	
Na	23	45	He	867.404	ppb	1.9	340963	50000	
Mg	24	45	He	8039.296	ppb	1.2	1649916	50000	
Al	27	45	He	29157.164	ppb	1.6	2252522	50000	
K	39	45	He	1491.873	ppb	1.3	237016	50000	
Ca	44	45	H2	8698.141	ppb	8.3	1196061	50000	
[Ca]	44	45	He	8816.582	ppb	1.3	70519	50000	
Ti	47	45	NoGas	2585.742	ppb	1.1	2455026	2500	>LDR RR-2
V	51	74	He	136.534	ppb	1.6	211087	500	
Cr	52	74	He	34.123	ppb	1.5	68956	1000	
Mn	55	74	He	427.077	ppb	1.4	475966	2500	
Fe	56	74	H2	50399.459	ppb	5.7	347927004	50000	>LDR RR-2
Co	59	74	He	27.717	ppb	1.9	85916	500	
Ni	60	74	He	38.273	ppb	0.6	30909	1000	
Cu	65	74	He	33.583	ppb	1.1	34793	1000	
Zn	66	74	He	90.716	ppb	2.3	28011	2500	
As	75	74	He	5.581	ppb	2.7	994	500	
Se	78	74	H2	0.2	ppb	19.0	38	100	
Mo	95	103	He	0.461	ppb	13.2	477	100	
Ag	107	103	He	0.059	ppb	18.2	201	100	
Cd	111	103	He	0.13	ppb	12.6	55	1000	
[Cd]	111	103	NoGas	0.989	ppb	6.0	1346	1000	
Sb	121	103	He	0.166	ppb	30.6	186	100	
Ba	138	159	He	229.467	ppb	1.8	521028	2500	
W	182	159	NoGas	0.077	ppb	10.1	378	40	
Hg	201	159	NoGas	31.613	ppt	32.9	21	4000	
Tl	205	159	He	0.106	ppb	14.1	589	100	
Pb	208	159	NoGas	5.438	ppb	1.7	64394	500	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Ref CPS	Det.	ISTD %	QC Flag
Li	6	NoGas	636613	3.4	680705.59	Pulse	93.5	
Sc	45	H2	3349885	5.6	3349420.95666667	Analog	100.0	
Sc	45	He	283378	1.0	291137.18	Pulse	97.3	
Sc	45	NoGas	6422015	2.6	6389990.85	Analog	100.5	
Ge	74	H2	545140	4.2	580218.01	Pulse	94.0	
Ge	74	He	111752	0.9	121248.793333333	Pulse	92.2	
Ge	74	NoGas	812329	3.7	871305.86	Pulse	93.2	
Rh	103	He	342266	0.3	373637.25	Pulse	91.6	
Rh	103	NoGas	737674	3.7	804489	Pulse	91.7	

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Ref CPS	Det.	ISTD %	QC Flag
Tb	159	He	451257	1.1	476327.536666667	Pulse	94.7	
Tb	159	NoGas	1069507	3.8	1096922.37	Pulse	97.5	
Bi	209	He	283797	1.2	312659.866666667	Pulse	90.8	
Bi	209	NoGas	514147	3.7	550606.38	Pulse	93.4	

Quantitation Report - ICPMS5

Sample Name:	**A0K0482-15**	Total Dilution:	**5.0000**
File Name:	038SMPL.d	Vial:	3107
File Path:	E:\Agilent\ICPMH\Data\1A14033a.b	Sample Type:	Sample
Acq Time:	01/14/2021 14:07:55	I.S. Reference File:	005CALB.d
Comment:	**1012850 SED As Cd Cr Cu Mn Pb V Zn**	Last Calibration:	01/14/2021 14:31:49

FullQuant Table:

Element	Mass	ISTD	Tune Mode	Raw Conc	Units	RSD(%)	CPS	LDR	QC Flag
Be	9	6	NoGas	0.77	ppb	10.7	1257	100	
Na	23	45	He	707.127	ppb	1.3	281330	50000	
Mg	24	45	He	7910.149	ppb	2.6	1637257	50000	
Al	27	45	He	36647.132	ppb	1.2	2855698	50000	
K	39	45	He	1479.123	ppb	1.8	237098	50000	
Ca	44	45	H2	7741.73	ppb	4.7	1066287	50000	
[Ca]	44	45	He	7959.74	ppb	2.5	64216	50000	
Ti	47	45	NoGas	2860.831	ppb	3.5	2712409	2500	>LDR RR-2
V	51	74	He	141.826	ppb	1.1	218917	500	
Cr	52	74	He	46.886	ppb	1.5	94563	1000	
Mn	55	74	He	841.843	ppb	1.1	936679	2500	
Fe	56	74	H2	54995.684	ppb	4.1	377666390	50000	>LDR RR-2
Co	59	74	He	25.014	ppb	1.1	77422	500	
Ni	60	74	He	37.863	ppb	1.4	30535	1000	
Cu	65	74	He	62.747	ppb	2.5	64834	1000	
Zn	66	74	He	159.531	ppb	0.9	49148	2500	
As	75	74	He	7.195	ppb	5.3	1278	500	
Se	78	74	H2	0.446	ppb	3.3	80	100	
Mo	95	103	He	0.67	ppb	10.3	687	100	
Ag	107	103	He	0.284	ppb	8.2	937	100	
Cd	111	103	He	0.315	ppb	7.1	132	1000	
[Cd]	111	103	NoGas	1.278	ppb	7.7	1724	1000	
Sb	121	103	He	0.35	ppb	12.6	380	100	
Ba	138	159	He	222.549	ppb	1.6	506761	2500	
W	182	159	NoGas	0.162	ppb	2.3	729	40	
Hg	201	159	NoGas	115.312	ppt	4.7	63	4000	
Tl	205	159	He	0.147	ppb	9.1	814	100	
Pb	208	159	NoGas	22.377	ppb	2.5	263234	500	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Ref CPS	Det.	ISTD %	QC Flag
Li	6	NoGas	636488	4.1	680705.59	Pulse	93.5	
Sc	45	H2	3348841	3.9	3349420.95666667	Analog	100.0	
Sc	45	He	285841	1.5	291137.18	Pulse	98.2	
Sc	45	NoGas	6414990	3.6	6389990.85	Analog	100.4	
Ge	74	H2	541875	3.1	580218.01	Pulse	93.4	
Ge	74	He	111581	1.5	121248.793333333	Pulse	92.0	
Ge	74	NoGas	808241	4.0	871305.86	Pulse	92.8	
Rh	103	He	341247	2.1	373637.25	Pulse	91.3	
Rh	103	NoGas	732490	4.0	804489	Pulse	91.1	

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Ref CPS	Det.	ISTD %	QC Flag
Tb	159	He	452578	1.9	476327.536666667	Pulse	95.0	
Tb	159	NoGas	1065032	4.4	1096922.37	Pulse	97.1	
Bi	209	He	286830	1.5	312659.866666667	Pulse	91.7	
Bi	209	NoGas	512618	4.1	550606.38	Pulse	93.1	

Quantitation Report - ICPMS5

Sample Name:	**A0K0482-16**	Total Dilution:	**5.0000**
File Name:	039SMPL.d	Vial:	3108
File Path:	E:\Agilent\ICPMH\Data\1A14033a.b	Sample Type:	Sample
Acq Time:	01/14/2021 14:13:00	I.S. Reference File:	005CALB.d
Comment:	**1012850 SED As Cd Cr Cu Mn Pb V Zn**	Last Calibration:	01/14/2021 14:31:49

FullQuant Table:

Element	Mass	ISTD	Tune Mode	Raw Conc	Units	RSD(%)	CPS	LDR	QC Flag
Be	9	6	NoGas	0.679	ppb	9.4	1117	100	
Na	23	45	He	744.499	ppb	0.6	294125	50000	
Mg	24	45	He	7680.904	ppb	2.2	1580281	50000	
Al	27	45	He	27943.499	ppb	0.2	2164296	50000	
K	39	45	He	1318.735	ppb	0.6	211205	50000	
Ca	44	45	H2	8177.927	ppb	3.3	1135587	50000	
[Ca]	44	45	He	8326.632	ppb	1.2	66776	50000	
Ti	47	45	NoGas	2672.115	ppb	1.5	2525852	2500	>LDR RR-2
V	51	74	He	138.887	ppb	0.6	214658	500	
Cr	52	74	He	34.376	ppb	0.8	69442	1000	
Mn	55	74	He	523.006	ppb	0.2	582673	2500	
Fe	56	74	H2	51492.288	ppb	2.3	358876977	50000	>LDR RR-2
Co	59	74	He	27.166	ppb	1.5	84182	500	
Ni	60	74	He	38.471	ppb	0.9	31053	1000	
Cu	65	74	He	34.955	ppb	1.5	36194	1000	
Zn	66	74	He	98.227	ppb	1.9	30319	2500	
As	75	74	He	5.274	ppb	4.5	939	500	
Se	78	74	H2	0.19	ppb	11.9	36	100	
Mo	95	103	He	0.451	ppb	19.5	467	100	
Ag	107	103	He	0.061	ppb	4.0	207	100	
Cd	111	103	He	0.108	ppb	14.1	46	1000	
[Cd]	111	103	NoGas	1.014	ppb	4.6	1376	1000	
Sb	121	103	He	0.187	ppb	11.8	208	100	
Ba	138	159	He	201.865	ppb	0.6	460619	2500	
W	182	159	NoGas	0.086	ppb	17.2	413	40	
Hg	201	159	NoGas	52.656	ppt	4.7	32	4000	
Tl	205	159	He	0.099	ppb	3.0	554	100	
Pb	208	159	NoGas	8.657	ppb	0.9	101562	500	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Ref CPS	Det.	ISTD %	QC Flag
Li	6	NoGas	639439	2.9	680705.59	Pulse	93.9	
Sc	45	H2	3373839	2.0	3349420.95666667	Analog	100.7	
Sc	45	He	284079	1.0	291137.18	Pulse	97.6	
Sc	45	NoGas	6393620	1.9	6389990.85	Analog	100.1	
Ge	74	H2	549609	1.4	580218.01	Pulse	94.7	
Ge	74	He	111707	0.7	121248.793333333	Pulse	92.1	
Ge	74	NoGas	808369	2.6	871305.86	Pulse	92.8	
Rh	103	He	342444	1.0	373637.25	Pulse	91.7	
Rh	103	NoGas	734905	2.5	804489	Pulse	91.4	

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Ref CPS	Det.	ISTD %	QC Flag
Tb	159	He	453420	0.4	476327.536666667	Pulse	95.2	
Tb	159	NoGas	1060468	2.7	1096922.37	Pulse	96.7	
Bi	209	He	283447	0.1	312659.866666667	Pulse	90.7	
Bi	209	NoGas	508225	3.7	550606.38	Pulse	92.3	

Quantitation Report - ICPMS5

Sample Name:	**A0K0482-17**	Total Dilution:	**5.0000**
File Name:	040SMPL.d	Vial:	3109
File Path:	E:\Agilent\ICPMH\Data\1A14033a.b	Sample Type:	Sample
Acq Time:	01/14/2021 14:18:04	I.S. Reference File:	005CALB.d
Comment:	**1012850 SED As Cd Cr Cu Mn Pb V Zn**	Last Calibration:	01/14/2021 14:31:49

FullQuant Table:

Element	Mass	ISTD	Tune Mode	Raw Conc	Units	RSD(%)	CPS	LDR	QC Flag
Be	9	6	NoGas	0.65	ppb	6.6	1061	100	
Na	23	45	He	787.661	ppb	3.4	313334	50000	
Mg	24	45	He	7683.525	ppb	3.4	1593427	50000	
Al	27	45	He	29127.623	ppb	4.2	2273417	50000	
K	39	45	He	1363.82	ppb	3.8	219796	50000	
Ca	44	45	H2	8332.069	ppb	3.4	1146729	50000	
[Ca]	44	45	He	8189.938	ppb	2.8	66202	50000	
Ti	47	45	NoGas	2753.227	ppb	3.0	2593370	2500	>LDR RR-2
V	51	74	He	140.704	ppb	3.2	218355	500	
Cr	52	74	He	35.105	ppb	4.2	71201	1000	
Mn	55	74	He	495.987	ppb	3.1	554869	2500	
Fe	56	74	H2	52477.948	ppb	1.7	362407461	50000	>LDR RR-2
Co	59	74	He	26.663	ppb	3.1	82970	500	
Ni	60	74	He	38.786	ppb	3.4	31433	1000	
Cu	65	74	He	34.454	ppb	2.9	35827	1000	
Zn	66	74	He	97.12	ppb	3.2	30101	2500	
As	75	74	He	5.672	ppb	3.7	1015	500	
Se	78	74	H2	0.219	ppb	1.8	41	100	
Mo	95	103	He	0.499	ppb	21.5	517	100	
Ag	107	103	He	0.054	ppb	14.4	188	100	
Cd	111	103	He	0.109	ppb	16.7	47	1000	
[Cd]	111	103	NoGas	0.993	ppb	2.3	1345	1000	
Sb	121	103	He	0.156	ppb	2.2	176	100	
Ba	138	159	He	178.173	ppb	3.0	403427	2500	
W	182	159	NoGas	0.08	ppb	11.4	390	40	
Hg	201	159	NoGas	28.525	ppt	62.3	20	4000	
Tl	205	159	He	0.105	ppb	11.0	582	100	
Pb	208	159	NoGas	7.252	ppb	3.1	85354	500	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Ref CPS	Det.	ISTD %	QC Flag
Li	6	NoGas	634596	2.8	680705.59	Pulse	93.2	
Sc	45	H2	3343288	1.3	3349420.95666667	Analog	99.8	
Sc	45	He	286487	2.7	291137.18	Pulse	98.4	
Sc	45	NoGas	6371625	1.7	6389990.85	Analog	99.7	
Ge	74	H2	544514	1.0	580218.01	Pulse	93.8	
Ge	74	He	112214	1.9	121248.793333333	Pulse	92.5	
Ge	74	NoGas	807385	2.7	871305.86	Pulse	92.7	
Rh	103	He	344551	2.6	373637.25	Pulse	92.2	
Rh	103	NoGas	734159	2.6	804489	Pulse	91.3	

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Ref CPS	Det.	ISTD %	QC Flag
Tb	159	He	450101	2.0	476327.536666667	Pulse	94.5	
Tb	159	NoGas	1063859	2.3	1096922.37	Pulse	97.0	
Bi	209	He	284853	2.0	312659.866666667	Pulse	91.1	
Bi	209	NoGas	505466	3.1	550606.38	Pulse	91.8	

Quantitation Report - ICPMS5

Sample Name:	**A0K0482-18**	Total Dilution:	**5.0000**
File Name:	041SMPL.d	Vial:	3110
File Path:	E:\Agilent\ICPMH\Data\1A14033a.b	Sample Type:	Sample
Acq Time:	01/14/2021 14:23:09	I.S. Reference File:	005CALB.d
Comment:	**1012850 SED As Cd Cr Cu Mn Pb V Zn**	Last Calibration:	01/14/2021 14:31:49

FullQuant Table:

Element	Mass	ISTD	Tune Mode	Raw Conc	Units	RSD(%)	CPS	LDR	QC Flag
Be	9	6	NoGas	0.59	ppb	6.9	970	100	
Na	23	45	He	842.572	ppb	0.7	335402	50000	
Mg	24	45	He	7628.52	ppb	1.6	1584820	50000	
Al	27	45	He	26750.371	ppb	1.2	2091869	50000	
K	39	45	He	1336.169	ppb	0.4	215936	50000	
Ca	44	45	H2	8575.002	ppb	2.7	1202009	50000	
[Ca]	44	45	He	8638.401	ppb	0.5	69941	50000	
Ti	47	45	NoGas	2908.736	ppb	2.4	2745548	2500	>LDR RR-2
V	51	74	He	143.612	ppb	1.0	221812	500	
Cr	52	74	He	36.212	ppb	0.7	73105	1000	
Mn	55	74	He	599.027	ppb	1.3	666938	2500	
Fe	56	74	H2	52531.019	ppb	3.1	367439679	50000	>LDR RR-2
Co	59	74	He	26.936	ppb	0.6	83423	500	
Ni	60	74	He	40.415	ppb	1.5	32573	1000	
Cu	65	74	He	37.182	ppb	0.8	38476	1000	
Zn	66	74	He	122.331	ppb	0.9	37721	2500	
As	75	74	He	8.024	ppb	3.4	1424	500	
Se	78	74	H2	0.236	ppb	25.7	44	100	
Mo	95	103	He	0.521	ppb	2.5	536	100	
Ag	107	103	He	0.05	ppb	20.8	171	100	
Cd	111	103	He	0.09	ppb	33.3	38	1000	
[Cd]	111	103	NoGas	0.855	ppb	15.8	1168	1000	
Sb	121	103	He	4.826	ppb	2.2	5136	100	
Ba	138	159	He	167.282	ppb	1.2	378668	2500	
W	182	159	NoGas	0.161	ppb	7.3	723	40	
Hg	201	159	NoGas	25.205	ppt	16.5	18	4000	
Tl	205	159	He	0.086	ppb	4.7	476	100	
Pb	208	159	NoGas	13.533	ppb	1.0	159203	500	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Ref CPS	Det.	ISTD %	QC Flag
Li	6	NoGas	638273	4.2	680705.59	Pulse	93.8	
Sc	45	H2	3406049	2.9	3349420.95666667	Analog	101.7	
Sc	45	He	286827	0.8	291137.18	Pulse	98.5	
Sc	45	NoGas	6386422	3.2	6389990.85	Analog	99.9	
Ge	74	H2	551760	2.5	580218.01	Pulse	95.1	
Ge	74	He	111641	0.7	121248.793333333	Pulse	92.1	
Ge	74	NoGas	810464	4.0	871305.86	Pulse	93.0	
Rh	103	He	340802	1.0	373637.25	Pulse	91.2	
Rh	103	NoGas	738739	4.2	804489	Pulse	91.8	

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Ref CPS	Det.	ISTD %	QC Flag
Tb	159	He	449819	0.4	476327.536666667	Pulse	94.4	
Tb	159	NoGas	1064068	3.4	1096922.37	Pulse	97.0	
Bi	209	He	284530	0.6	312659.866666667	Pulse	91.0	
Bi	209	NoGas	506053	3.9	550606.38	Pulse	91.9	

Continuing Calibration Verification (CCV) Report - ICPMS5

Sample Name:	**1A14033-CCV3**	Total Dilution:	**1.0000**
File Name:	042_CCV.d	Vial:	2
File Path:	E:\Agilent\ICPMH\Data\1A14033a.b	Sample Type:	CCV
Acq Time:	01/14/2021 14:28:14	I.S. Reference File:	005CALB.d
Comment:	**CCV A21A136 KT 1/14**	Last Calibration:	01/14/2021 14:31:49

Analyte Table:

Name	Mass	ISTD	Tune	Conc.	Units	Conc. RSD	CPS	ExpValue	% Rec	Flag
Be	9	6	NoGas	39.026	ppb	1.4	65221	40	97.57	
Na	23	45	He	8610.245	ppb	6.4	3289740	8000	107.63	
Mg	24	45	He	8977.687	ppb	6.6	1815369	8000	112.22	> +/- 10%
Al	27	45	He	8313.728	ppb	6.7	632956	8000	103.92	
K	39	45	He	8889.962	ppb	5.9	1343218	8000	111.12	> +/- 10%
Ca	44	45	H2	8288.152	ppb	4.4	1193114	8000	103.6	
[Ca]	44	45	He	8647.817	ppb	6.7	68161	8000	108.1	
Ti	47	45	NoGas	101.636	ppb	2.3	96864	100	101.64	
V	51	74	He	109.371	ppb	6.7	170870	100	109.37	
Cr	52	74	He	106.400	ppb	6.1	217052	100	106.4	
Mn	55	74	He	108.873	ppb	6.2	122656	100	108.87	
Fe	56	74	H2	8418.083	ppb	2.1	62692015	8000	105.23	
Co	59	74	He	109.416	ppb	6.9	342527	100	109.42	
Ni	60	74	He	113.500	ppb	6.3	91452	100	113.5	> +/- 10%
Cu	65	74	He	112.752	ppb	5.8	117872	100	112.75	> +/- 10%
Zn	66	74	He	108.953	ppb	7.0	33970	100	108.95	
As	75	74	He	109.732	ppb	6.3	19579	100	109.73	
Se	78	74	H2	40.421	ppb	4.2	7551	40	101.05	
Mo	95	103	He	41.241	ppb	4.2	42011	40	103.1	
Ag	107	103	He	40.830	ppb	6.0	133635	40	102.08	
Cd	111	103	He	101.928	ppb	6.1	42700	100	101.93	
[Cd]	111	103	NoGas	96.033	ppb	2.2	133133	100	96.03	
Sb	121	103	He	40.726	ppb	7.1	43344	40	101.81	
Ba	138	159	He	108.252	ppb	5.6	238174	100	108.25	
Hg	201	159	NoGas	802.692	ppt	5.0	407	800	100.34	
Tl	205	159	He	42.291	ppb	6.8	225000	40	105.73	
Pb	208	159	NoGas	100.525	ppb	3.3	1177474	100	100.52	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC Flag
Li	6	NoGas	Pulse	2.6	662764	680705.59	97.4	
Sc	45	H2	Analog	3.6	3499785	3349420.95666667	104.5	
Sc	45	He	Pulse	6.1	279987	291137.18	96.2	
Sc	45	NoGas	Analog	2.4	6442653	6389990.85	100.8	
Ge	74	H2	Pulse	2.8	587270	580218.01	101.2	
Ge	74	He	Pulse	6.1	113186	121248.793333333	93.4	
Ge	74	NoGas	Pulse	2.7	840702	871305.86	96.5	
Rh	103	He	Pulse	6.2	342302	373637.25	91.6	
Rh	103	NoGas	Pulse	3.5	753346	804489	93.6	
Tb	159	He	Pulse	6.2	438170	476327.536666667	92.0	

Continuing Calibration Verification (CCV) Report - ICPMS5

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC Flag
Tb	159	NoGas	Pulse	3.2	1060688	1096922.37	96.7	
Bi	209	He	Pulse	5.4	280800	312659.866666667	89.8	
Bi	209	NoGas	Pulse	3.4	519759	550606.38	94.4	

Continuing Calibration Verification (CCV) Report - ICPMS5

Sample Name:	**1A14033-CCV4**	Total Dilution:	**1.0000**
File Name:	043_CCV.d	Vial:	2
File Path:	E:\Agilent\ICPMH\Data\1A14033a.b	Sample Type:	CCV
Acq Time:	01/14/2021 14:33:19	I.S. Reference File:	005CALB.d
Comment:	**CCV A21A136 KT 1/14**	Last Calibration:	01/14/2021 14:31:49

Analyte Table:

Name	Mass	ISTD	Tune	Conc.	Units	Conc. RSD	CPS	ExpValue	% Rec	Flag
Be	9	6	NoGas	39.176	ppb	1.7	64410	40	97.94	
Na	23	45	He	8213.312	ppb	1.9	3204111	8000	102.67	
Mg	24	45	He	8617.271	ppb	0.5	1779427	8000	107.72	
Al	27	45	He	7864.272	ppb	0.9	611375	8000	98.3	
K	39	45	He	8269.807	ppb	0.8	1276195	8000	103.37	
Ca	44	45	H2	8429.780	ppb	2.7	1173321	8000	105.37	
[Ca]	44	45	He	8140.941	ppb	0.9	65526	8000	101.76	
Ti	47	45	NoGas	101.209	ppb	1.7	93353	100	101.21	
V	51	74	He	103.825	ppb	0.8	164835	100	103.83	
Cr	52	74	He	101.373	ppb	1.2	210080	100	101.37	
Mn	55	74	He	103.439	ppb	1.3	118390	100	103.44	
Fe	56	74	H2	8521.811	ppb	1.3	61124418	8000	106.52	
Co	59	74	He	104.311	ppb	0.9	331832	100	104.31	
Ni	60	74	He	108.199	ppb	1.9	88593	100	108.2	
Cu	65	74	He	107.426	ppb	1.2	114073	100	107.43	
Zn	66	74	He	103.234	ppb	1.3	32715	100	103.23	
As	75	74	He	101.388	ppb	0.8	18379	100	101.39	
Se	78	74	H2	40.717	ppb	2.0	7328	40	101.79	
Mo	95	103	He	39.232	ppb	0.3	40517	40	98.08	
Ag	107	103	He	38.798	ppb	0.9	128838	40	97	
Cd	111	103	He	97.365	ppb	0.2	41386	100	97.36	
[Cd]	111	103	NoGas	98.555	ppb	1.2	132683	100	98.56	
Sb	121	103	He	38.781	ppb	0.4	41897	40	96.95	
Ba	138	159	He	101.634	ppb	1.0	229599	100	101.63	
Hg	201	159	NoGas	793.195	ppt	1.0	405	800	99.15	
Tl	205	159	He	40.539	ppb	0.4	221548	40	101.35	
Pb	208	159	NoGas	98.848	ppb	3.1	1164152	100	98.85	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC Flag
Li	6	NoGas	Mix	3.2	652088	680705.59	95.8	
Sc	45	H2	Analog	1.6	3381244	3349420.95666667	101.0	
Sc	45	He	Pulse	0.7	285130	291137.18	97.9	
Sc	45	NoGas	Analog	3.6	6235261	6389990.85	97.6	
Ge	74	H2	Pulse	0.6	565419	580218.01	97.4	
Ge	74	He	Pulse	0.7	114700	121248.793333333	94.6	
Ge	74	NoGas	Pulse	3.3	811036	871305.86	93.1	
Rh	103	He	Pulse	0.4	346460	373637.25	92.7	
Rh	103	NoGas	Pulse	3.5	731462	804489	90.9	
Tb	159	He	Pulse	0.0	448847	476327.536666667	94.2	

Continuing Calibration Verification (CCV) Report - ICPMS5

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC Flag
Tb	159	NoGas	Mix	3.5	1066684	1096922.37	97.2	
Bi	209	He	Pulse	0.2	286677	312659.866666667	91.7	
Bi	209	NoGas	Pulse	4.6	512529	550606.38	93.1	

Continuing Calibration Blank (CCB) Report ICPMS5

Sample Name:	**1A14033-CCB2**	Total Dilution:	**1.0000**
File Name:	044_CCB.d	Vial:	1
File Path:	E:\Agilent\ICPMH\Data\1A14033a.b	Sample Type:	CCB
Acq Time:	01/14/2021 14:38:24	I.S. Reference File:	005CALB.d
Comment:	**CCB**	Last Calibration:	01/14/2021 14:31:49

Analyte Table:

Name	Mass	ISTD	Tune Mode	Conc.	Units	Conc. RSD	CPS	QC Flag
Be	9	6	NoGas	0.023	ppb	23.3	61	
Na	23	45	He	3.024	ppb	31.0	6213	
Mg	24	45	He	-6.523	ppb	N/A	1193	
Al	27	45	He	1.786	ppb	37.8	174	
K	39	45	He	5.326	ppb	72.3	10570	
Ca	44	45	H2	1.257	ppb	88.5	926	
[Ca]	44	45	He	-0.591	ppb	N/A	71	
Ti	47	45	NoGas	0.108	ppb	46.5	163	
V	51	74	He	-0.006	ppb	N/A	299	
Cr	52	74	He	0.023	ppb	35.8	141	
Mn	55	74	He	0.004	ppb	421.7	90	
Fe	56	74	H2	4.269	ppb	4.7	45966	
Co	59	74	He	0.021	ppb	21.7	88	
Ni	60	74	He	-0.321	ppb	N/A	329	
Cu	65	74	He	0.044	ppb	52.2	112	
Zn	66	74	He	0.062	ppb	81.3	70	
As	75	74	He	0.034	ppb	116.1	15	
Se	78	74	H2	0.043	ppb	79.9	11	
Mo	95	103	He	0.041	ppb	57.9	48	
Ag	107	103	He	0.012	ppb	21.9	50	
Cd	111	103	He	0.009	ppb	34.5	4	
[Cd]	111	103	NoGas	0.015	ppb	45.8	24	
Sb	121	103	He	0.041	ppb	17.4	52	
Ba	138	159	He	0.026	ppb	37.5	116	
Hg	201	159	NoGas	16.847	ppt	22.7	14	
Tl	205	159	He	0.014	ppb	17.7	78	
Pb	208	159	NoGas	0.042	ppb	8.4	651	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC flag
Li	6	NoGas	Pulse	3.6	657292	680705.59	96.6	
Sc	45	H2	Analog	4.0	3372083	3349420.95666667	100.7	
Sc	45	He	Pulse	4.7	276640	291137.18	95.0	
Sc	45	NoGas	Analog	2.1	6382956	6389990.85	99.9	
Ge	74	H2	Pulse	3.3	568372	580218.01	98.0	
Ge	74	He	Pulse	4.8	113122	121248.793333333	93.3	
Ge	74	NoGas	Pulse	3.2	838794	871305.86	96.3	
Rh	103	He	Pulse	5.6	347944	373637.25	93.1	
Rh	103	NoGas	Pulse	2.8	765798	804489	95.2	
Tb	159	He	Pulse	5.0	434050	476327.536666667	91.1	

Continuing Calibration Blank (CCB) Report ICPMS5

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC flag
Tb	159	NoGas	Pulse	2.3	1043816	1096922.37	95.2	
Bi	209	He	Pulse	4.7	282218	312659.866666667	90.3	
Bi	209	NoGas	Pulse	2.7	516666	550606.38	93.8	

Quantitation Report - ICPMS5

Sample Name:	**A0K0482-19**	Total Dilution:	**5.0000**
File Name:	045SMPL.d	Vial:	3111
File Path:	E:\Agilent\ICPMH\Data\1A14033a.b	Sample Type:	Sample
Acq Time:	01/14/2021 14:43:34	I.S. Reference File:	005CALB.d
Comment:	**1012850 SED As Cd Cr Cu Mn Pb V Zn**	Last Calibration:	01/14/2021 14:31:49

FullQuant Table:

Element	Mass	ISTD	Tune Mode	Raw Conc	Units	RSD(%)	CPS	LDR	QC Flag
Be	9	6	NoGas	0.675	ppb	10.4	1101	100	
Na	23	45	He	870.157	ppb	0.7	342975	50000	
Mg	24	45	He	7632.99	ppb	2.7	1570873	50000	
Al	27	45	He	30356.958	ppb	1.7	2351681	50000	
K	39	45	He	1431.088	ppb	1.1	228398	50000	
Ca	44	45	H2	8670.793	ppb	2.0	1245843	50000	
[Ca]	44	45	He	9034.6	ppb	1.0	72460	50000	
Ti	47	45	NoGas	2498.152	ppb	1.4	2336460	2500	>LDR RR-2
V	51	74	He	135.695	ppb	1.4	207997	500	
Cr	52	74	He	36.991	ppb	1.4	74109	1000	
Mn	55	74	He	1302.416	ppb	0.5	1438959	2500	
Fe	56	74	H2	52001.999	ppb	2.3	368293923	50000	>LDR RR-2
Co	59	74	He	28.04	ppb	1.6	86173	500	
Ni	60	74	He	37.416	ppb	3.0	29967	1000	
Cu	65	74	He	36.447	ppb	0.7	37428	1000	
Zn	66	74	He	85.63	ppb	0.7	26219	2500	
As	75	74	He	6.036	ppb	3.7	1065	500	
Se	78	74	H2	0.258	ppb	30.4	49	100	
Mo	95	103	He	0.565	ppb	8.5	572	100	
Ag	107	103	He	0.056	ppb	16.6	189	100	
Cd	111	103	He	0.154	ppb	18.2	64	1000	
[Cd]	111	103	NoGas	1.007	ppb	2.7	1328	1000	
Sb	121	103	He	0.175	ppb	16.6	191	100	
Ba	138	159	He	200.226	ppb	1.3	441183	2500	
W	182	159	NoGas	0.064	ppb	14.5	312	40	
Hg	201	159	NoGas	36.786	ppt	38.8	23	4000	
Tl	205	159	He	0.106	ppb	9.6	573	100	
Pb	208	159	NoGas	5.529	ppb	1.1	62820	500	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Ref CPS	Det.	ISTD %	QC Flag
Li	6	NoGas	633448	2.4	680705.59	Pulse	93.1	
Sc	45	H2	3490081	1.1	3349420.95666667	Analog	104.2	
Sc	45	He	284149	0.6	291137.18	Pulse	97.6	
Sc	45	NoGas	6324585	1.7	6389990.85	Analog	99.0	
Ge	74	H2	558447	0.9	580218.01	Pulse	96.2	
Ge	74	He	110792	0.7	121248.793333333	Pulse	91.4	
Ge	74	NoGas	791108	2.0	871305.86	Pulse	90.8	
Rh	103	He	336561	0.7	373637.25	Pulse	90.1	
Rh	103	NoGas	714747	1.8	804489	Pulse	88.8	

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Ref CPS	Det.	ISTD %	QC Flag
Tb	159	He	437876	0.7	476327.536666667	Pulse	91.9	
Tb	159	NoGas	1025892	1.7	1096922.37	Pulse	93.5	
Bi	209	He	276977	0.4	312659.866666667	Pulse	88.6	
Bi	209	NoGas	493862	1.5	550606.38	Pulse	89.7	

Quantitation Report - ICPMS5

Sample Name:	**A0K0482-20**	Total Dilution:	**5.0000**
File Name:	046SMPL.d	Vial:	3112
File Path:	E:\Agilent\ICPMH\Data\1A14033a.b	Sample Type:	Sample
Acq Time:	01/14/2021 14:48:37	I.S. Reference File:	005CALB.d
Comment:	**1012850 SED As Cd Cr Cu Mn Pb V Zn**	Last Calibration:	01/14/2021 14:31:49

FullQuant Table:

Element	Mass	ISTD	Tune Mode	Raw Conc	Units	RSD(%)	CPS	LDR	QC Flag
Be	9	6	NoGas	0.651	ppb	8.6	1071	100	
Na	23	45	He	738.134	ppb	1.8	292695	50000	
Mg	24	45	He	7165.471	ppb	2.2	1479823	50000	
Al	27	45	He	28208.2	ppb	1.1	2192614	50000	
K	39	45	He	1429.86	ppb	0.8	228993	50000	
Ca	44	45	H2	8017.873	ppb	6.2	1113542	50000	
[Ca]	44	45	He	8165.399	ppb	1.8	65714	50000	
Ti	47	45	NoGas	2321.278	ppb	1.1	2193152	2500	>LDR RR-2
V	51	74	He	121.914	ppb	1.8	187245	500	
Cr	52	74	He	30.866	ppb	1.8	61966	1000	
Mn	55	74	He	476.213	ppb	1.7	527140	2500	
Fe	56	74	H2	46516.739	ppb	4.5	319691395	50000	>LDR RR-2
Co	59	74	He	23.948	ppb	1.3	73741	500	
Ni	60	74	He	33.245	ppb	2.8	26741	1000	
Cu	65	74	He	30.719	ppb	2.3	31614	1000	
Zn	66	74	He	80.392	ppb	1.5	24664	2500	
As	75	74	He	5.171	ppb	1.8	916	500	
Se	78	74	H2	0.224	ppb	18.0	42	100	
Mo	95	103	He	0.408	ppb	14.5	419	100	
Ag	107	103	He	0.042	ppb	10.7	143	100	
Cd	111	103	He	0.122	ppb	35.9	52	1000	
[Cd]	111	103	NoGas	0.891	ppb	17.9	1199	1000	
Sb	121	103	He	0.121	ppb	10.9	137	100	
Ba	138	159	He	246.966	ppb	1.3	551440	2500	
W	182	159	NoGas	0.085	ppb	13.0	407	40	
Hg	201	159	NoGas	33.026	ppt	10.9	22	4000	
Tl	205	159	He	0.104	ppb	1.0	569	100	
Pb	208	159	NoGas	5.037	ppb	0.4	58808	500	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Ref CPS	Det.	ISTD %	QC Flag
Li	6	NoGas	640093	2.9	680705.59	Pulse	94.0	
Sc	45	H2	3378911	4.4	3349420.95666667	Analog	100.9	
Sc	45	He	285113	1.0	291137.18	Pulse	97.9	
Sc	45	NoGas	6390109	1.7	6389990.85	Analog	100.0	
Ge	74	H2	542413	3.5	580218.01	Pulse	93.5	
Ge	74	He	111011	1.7	121248.793333333	Pulse	91.6	
Ge	74	NoGas	804687	3.0	871305.86	Pulse	92.4	
Rh	103	He	340246	1.2	373637.25	Pulse	91.1	
Rh	103	NoGas	729549	1.9	804489	Pulse	90.7	

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Ref CPS	Det.	ISTD %	QC Flag
Tb	159	He	443763	1.4	476327.536666667	Pulse	93.2	
Tb	159	NoGas	1053709	1.7	1096922.37	Pulse	96.1	
Bi	209	He	279643	1.6	312659.866666667	Pulse	89.4	
Bi	209	NoGas	502924	2.7	550606.38	Pulse	91.3	

Quantitation Report - ICPMS5

Sample Name:	**A0K0482-21**	Total Dilution:	**5.0000**
File Name:	047SMPL.d	Vial:	3113
File Path:	E:\Agilent\ICPMH\Data\1A14033a.b	Sample Type:	Sample
Acq Time:	01/14/2021 14:53:42	I.S. Reference File:	005CALB.d
Comment:	**1012850 SED As Cd Cr Cu Mn Pb V Zn**	Last Calibration:	01/14/2021 14:31:49

FullQuant Table:

Element	Mass	ISTD	Tune Mode	Raw Conc	Units	RSD(%)	CPS	LDR	QC Flag
Be	9	6	NoGas	0.671	ppb	5.1	1093	100	
Na	23	45	He	854.389	ppb	1.0	333031	50000	
Mg	24	45	He	7903.751	ppb	2.5	1608041	50000	
Al	27	45	He	30817.886	ppb	2.6	2360221	50000	
K	39	45	He	1509.972	ppb	1.6	237702	50000	
Ca	44	45	H2	8239.865	ppb	1.6	1159120	50000	
[Ca]	44	45	He	8602.848	ppb	1.1	68218	50000	
Ti	47	45	NoGas	2470.967	ppb	1.2	2310736	2500	>LDR RR-2
V	51	74	He	130.22	ppb	1.5	198277	500	
Cr	52	74	He	33.255	ppb	1.6	66185	1000	
Mn	55	74	He	422.473	ppb	1.1	463683	2500	
Fe	56	74	H2	48167.313	ppb	0.7	337433962	50000	>LDR RR-2
Co	59	74	He	25.625	ppb	1.9	78225	500	
Ni	60	74	He	36.973	ppb	2.1	29422	1000	
Cu	65	74	He	33.072	ppb	2.3	33737	1000	
Zn	66	74	He	85.221	ppb	0.8	25920	2500	
As	75	74	He	5.186	ppb	2.1	910	500	
Se	78	74	H2	0.19	ppb	31.9	37	100	
Mo	95	103	He	0.365	ppb	12.9	372	100	
Ag	107	103	He	0.057	ppb	9.6	190	100	
Cd	111	103	He	0.122	ppb	14.6	51	1000	
[Cd]	111	103	NoGas	1.006	ppb	7.9	1343	1000	
Sb	121	103	He	0.18	ppb	6.1	197	100	
Ba	138	159	He	226.857	ppb	1.4	505614	2500	
W	182	159	NoGas	0.093	ppb	23.6	438	40	
Hg	201	159	NoGas	29.822	ppt	48.4	20	4000	
Tl	205	159	He	0.095	ppb	14.9	519	100	
Pb	208	159	NoGas	5.033	ppb	2.2	58601	500	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Ref CPS	Det.	ISTD %	QC Flag
Li	6	NoGas	633716	2.8	680705.59	Mix	93.1	
Sc	45	H2	3416655	0.8	3349420.95666667	Analog	102.0	
Sc	45	He	280927	0.7	291137.18	Pulse	96.5	
Sc	45	NoGas	6324858	1.4	6389990.85	Analog	99.0	
Ge	74	H2	552349	1.2	580218.01	Pulse	95.2	
Ge	74	He	110052	0.9	121248.793333333	Pulse	90.8	
Ge	74	NoGas	793990	2.5	871305.86	Pulse	91.1	
Rh	103	He	335903	1.3	373637.25	Pulse	89.9	
Rh	103	NoGas	723306	1.9	804489	Pulse	89.9	

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Ref CPS	Det.	ISTD %	QC Flag
Tb	159	He	442927	0.9	476327.536666667	Pulse	93.0	
Tb	159	NoGas	1051220	2.6	1096922.37	Mix	95.8	
Bi	209	He	278718	0.7	312659.866666667	Pulse	89.1	
Bi	209	NoGas	501063	2.1	550606.38	Pulse	91.0	

Quantitation Report - ICPMS5

Sample Name:	**1012850-MS1**	Total Dilution:	**5.0000**
File Name:	048SMPL.d	Vial:	3114
File Path:	E:\Agilent\ICPMH\Data\1A14033a.b	Sample Type:	Sample
Acq Time:	01/14/2021 14:58:46	I.S. Reference File:	005CALB.d
Comment:	**1012850 SED As Cd Cr Cu Mn Pb V Zn**	Last Calibration:	01/14/2021 14:31:49

FullQuant Table:

Element	Mass	ISTD	Tune Mode	Raw Conc	Units	RSD(%)	CPS	LDR	QC Flag
Be	9	6	NoGas	24.727	ppb	0.9	39663	100	
Na	23	45	He	3357.975	ppb	1.6	1301162	50000	
Mg	24	45	He	10228.78	ppb	0.3	2092493	50000	
Al	27	45	He	31464.625	ppb	0.6	2423795	50000	
K	39	45	He	3823.999	ppb	0.8	590118	50000	
Ca	44	45	H2	11005.584	ppb	3.8	1523700	50000	
[Ca]	44	45	He	10896.082	ppb	1.7	86877	50000	
Ti	47	45	NoGas	2542.772	ppb	0.7	2383750	2500	>LDR RR-2
V	51	74	He	184.317	ppb	0.8	278868	500	
Cr	52	74	He	85.161	ppb	1.2	168338	1000	
Mn	55	74	He	489.045	ppb	0.8	533555	2500	
Fe	56	74	H2	50787.562	ppb	3.8	351350377	50000	>LDR RR-2
Co	59	74	He	77.712	ppb	0.6	235790	500	
Ni	60	74	He	89.501	ppb	2.3	69996	1000	
Cu	65	74	He	85.583	ppb	0.7	86692	1000	
Zn	66	74	He	137.976	ppb	1.1	41685	2500	
As	75	74	He	54.877	ppb	0.5	9492	500	
Se	78	74	H2	24.307	ppb	7.2	4219	100	
Mo	95	103	He	23.912	ppb	1.8	23945	100	
Ag	107	103	He	24.724	ppb	1.0	79602	100	
Cd	111	103	He	49.29	ppb	2.0	20314	1000	
[Cd]	111	103	NoGas	50.247	ppb	0.6	66984	1000	
Sb	121	103	He	20.137	ppb	1.1	21096	100	
Ba	138	159	He	264.025	ppb	0.6	585183	2500	
W	182	159	NoGas	0.086	ppb	4.6	410	40	
Hg	201	159	NoGas	967.147	ppt	5.5	485	4000	
Tl	205	159	He	24.858	ppb	0.9	133309	100	
Pb	208	159	NoGas	54.425	ppb	1.5	631472	500	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Ref CPS	Det.	ISTD %	QC Flag
Li	6	NoGas	635869	2.1	680705.59	Pulse	93.4	
Sc	45	H2	3364855	2.4	3349420.95666667	Analog	100.5	
Sc	45	He	282547	1.3	291137.18	Pulse	97.0	
Sc	45	NoGas	6339763	0.3	6389990.85	Analog	99.2	
Ge	74	H2	545739	2.3	580218.01	Pulse	94.1	
Ge	74	He	109394	0.5	121248.793333333	Pulse	90.2	
Ge	74	NoGas	795820	2.1	871305.86	Pulse	91.3	
Rh	103	He	335910	0.7	373637.25	Pulse	89.9	
Rh	103	NoGas	724085	1.2	804489	Pulse	90.0	

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Ref CPS	Det.	ISTD %	QC Flag
Tb	159	He	440452	1.1	476327.536666667	Pulse	92.5	
Tb	159	NoGas	1050028	1.2	1096922.37	Pulse	95.7	
Bi	209	He	278813	0.7	312659.866666667	Pulse	89.2	
Bi	209	NoGas	500686	1.6	550606.38	Pulse	90.9	

Quantitation Report - ICPMS5

Sample Name:	**1012850-MSD1**	Total Dilution:	**5.0000**
File Name:	049SMPL.d	Vial:	3115
File Path:	E:\Agilent\ICPMH\Data\1A14033a.b	Sample Type:	Sample
Acq Time:	01/14/2021 15:03:49	I.S. Reference File:	005CALB.d
Comment:	**1012850 SED As Cd Cr Cu Mn Pb V Zn**	Last Calibration:	01/14/2021 14:31:49

FullQuant Table:

Element	Mass	ISTD	Tune Mode	Raw Conc	Units	RSD(%)	CPS	LDR	QC Flag
Be	9	6	NoGas	28.094	ppb	0.5	45124	100	
Na	23	45	He	3730.614	ppb	2.7	1436163	50000	
Mg	24	45	He	11424.895	ppb	1.7	2322639	50000	
Al	27	45	He	38930.754	ppb	0.7	2980803	50000	
K	39	45	He	4314.718	ppb	1.4	660551	50000	
Ca	44	45	H2	11737.241	ppb	3.1	1627116	50000	
[Ca]	44	45	He	12253.241	ppb	1.2	97100	50000	
Ti	47	45	NoGas	2837.323	ppb	1.5	2678919	2500	>LDR RR-2
V	51	74	He	200.329	ppb	1.3	302295	500	
Cr	52	74	He	93.257	ppb	1.6	183863	1000	
Mn	55	74	He	571.929	ppb	0.8	622380	2500	
Fe	56	74	H2	56834.972	ppb	2.7	387195745	50000	>LDR RR-2
Co	59	74	He	82.944	ppb	1.0	251025	500	
Ni	60	74	He	98.515	ppb	0.3	76788	1000	
Cu	65	74	He	93.928	ppb	1.0	94894	1000	
Zn	66	74	He	147.332	ppb	2.3	44394	2500	
As	75	74	He	57.715	ppb	0.9	9957	500	
Se	78	74	H2	25.498	ppb	3.5	4361	100	
Mo	95	103	He	25.681	ppb	2.5	25507	100	
Ag	107	103	He	26.505	ppb	1.3	84641	100	
Cd	111	103	He	52.878	ppb	1.0	21613	1000	
[Cd]	111	103	NoGas	56.01	ppb	0.9	74509	1000	
Sb	121	103	He	21.394	ppb	0.8	22232	100	
Ba	138	159	He	294.044	ppb	1.3	654617	2500	
W	182	159	NoGas	0.082	ppb	11.0	392	40	
Hg	201	159	NoGas	1090.426	ppt	2.4	547	4000	
Tl	205	159	He	26.551	ppb	1.4	143031	100	
Pb	208	159	NoGas	60.571	ppb	0.7	704626	500	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Ref CPS	Det.	ISTD %	QC Flag
Li	6	NoGas	636810	2.9	680705.59	Pulse	93.6	
Sc	45	H2	3369071	2.4	3349420.95666667	Analog	100.6	
Sc	45	He	280837	1.5	291137.18	Pulse	96.5	
Sc	45	NoGas	6386327	2.0	6389990.85	Analog	99.9	
Ge	74	H2	537331	2.2	580218.01	Pulse	92.6	
Ge	74	He	109110	1.4	121248.793333333	Pulse	90.0	
Ge	74	NoGas	794531	2.4	871305.86	Pulse	91.2	
Rh	103	He	333179	1.5	373637.25	Pulse	89.2	
Rh	103	NoGas	722503	2.3	804489	Pulse	89.8	

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Ref CPS	Det.	ISTD %	QC Flag
Tb	159	He	442391	1.3	476327.536666667	Pulse	92.9	
Tb	159	NoGas	1052968	2.5	1096922.37	Pulse	96.0	
Bi	209	He	274518	1.7	312659.866666667	Pulse	87.8	
Bi	209	NoGas	496795	2.9	550606.38	Pulse	90.2	

Quantitation Report - ICPMS5

Sample Name:	**A0K0482-22**	Total Dilution:	**5.0000**
File Name:	050SMPL.d	Vial:	3201
File Path:	E:\Agilent\ICPMH\Data\1A14033a.b	Sample Type:	Sample
Acq Time:	01/14/2021 15:08:52	I.S. Reference File:	005CALB.d
Comment:	**1012850 SED As Cd Cr Cu Mn Pb V Zn**	Last Calibration:	01/14/2021 14:31:49

FullQuant Table:

Element	Mass	ISTD	Tune Mode	Raw Conc	Units	RSD(%)	CPS	LDR	QC Flag
Be	9	6	NoGas	0.828	ppb	10.8	1302	100	
Na	23	45	He	723.748	ppb	1.1	285474	50000	
Mg	24	45	He	7565.532	ppb	1.7	1553385	50000	
Al	27	45	He	29279.038	ppb	2.0	2262881	50000	
K	39	45	He	1450.927	ppb	1.0	230887	50000	
Ca	44	45	H2	8376.701	ppb	1.5	1184737	50000	
[Ca]	44	45	He	8667.755	ppb	2.5	69357	50000	
Ti	47	45	NoGas	2480.777	ppb	6.0	2255302	2500	>LDR RR-2
V	51	74	He	128.348	ppb	1.1	196776	500	
Cr	52	74	He	30.731	ppb	2.1	61580	1000	
Mn	55	74	He	579.499	ppb	1.2	640365	2500	
Fe	56	74	H2	48392.435	ppb	2.6	337477868	50000	>LDR RR-2
Co	59	74	He	25.412	ppb	1.1	78108	500	
Ni	60	74	He	34.772	ppb	0.2	27898	1000	
Cu	65	74	He	33.21	ppb	0.3	34116	1000	
Zn	66	74	He	84.488	ppb	0.7	25875	2500	
As	75	74	He	5.442	ppb	0.9	961	500	
Se	78	74	H2	0.19	ppb	25.7	36	100	
Mo	95	103	He	0.549	ppb	4.4	558	100	
Ag	107	103	He	0.07	ppb	7.4	233	100	
Cd	111	103	He	0.129	ppb	17.7	54	1000	
[Cd]	111	103	NoGas	0.979	ppb	16.2	1276	1000	RSD RR-10
Sb	121	103	He	0.178	ppb	18.6	196	100	
Ba	138	159	He	251.511	ppb	1.9	560087	2500	
W	182	159	NoGas	0.076	ppb	20.1	352	40	
Hg	201	159	NoGas	45.352	ppt	19.2	27	4000	
Tl	205	159	He	0.113	ppb	11.3	614	100	
Pb	208	159	NoGas	5.512	ppb	5.8	61552	500	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Ref CPS	Det.	ISTD %	QC Flag
Li	6	NoGas	615270	7.0	680705.59	Pulse	90.4	
Sc	45	H2	3435732	2.7	3349420.95666667	Analog	102.6	
Sc	45	He	283501	1.4	291137.18	Pulse	97.4	
Sc	45	NoGas	6162650	6.0	6389990.85	Analog	96.4	
Ge	74	H2	550000	2.2	580218.01	Pulse	94.8	
Ge	74	He	110808	1.4	121248.793333333	Pulse	91.4	
Ge	74	NoGas	770737	7.5	871305.86	Pulse	88.5	
Rh	103	He	336977	0.6	373637.25	Pulse	90.2	
Rh	103	NoGas	700636	6.7	804489	Pulse	87.1	

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Ref CPS	Det.	ISTD %	QC Flag
Tb	159	He	442605	1.7	476327.536666667	Pulse	92.9	
Tb	159	NoGas	1010945	7.0	1096922.37	Pulse	92.2	
Bi	209	He	276997	1.7	312659.866666667	Pulse	88.6	
Bi	209	NoGas	480769	6.8	550606.38	Pulse	87.3	

Continuing Calibration Verification (CCV) Report - ICPMS5

Sample Name:	**1A14033-CCV5**	Total Dilution:	**1.0000**
File Name:	055_CCV.d	Vial:	2
File Path:	E:\Agilent\ICPMH\Data\1A14033a.b	Sample Type:	CCV
Acq Time:	01/14/2021 15:34:30	I.S. Reference File:	005CALB.d
Comment:	**CCV A21A136 KT 1/14**	Last Calibration:	01/14/2021 14:31:49

Analyte Table:

Name	Mass	ISTD	Tune	Conc.	Units	Conc. RSD	CPS	ExpValue	% Rec	Flag
Be	9	6	NoGas	39.026	ppb	4.4	67446	40	97.57	
Na	23	45	He	8347.754	ppb	2.1	3493138	8000	104.35	
Mg	24	45	He	8549.929	ppb	0.9	1893857	8000	106.87	
Al	27	45	He	7872.409	ppb	1.3	656502	8000	98.41	
K	39	45	He	8393.241	ppb	0.7	1389390	8000	104.92	
Ca	44	45	H2	8075.047	ppb	1.0	1264591	8000	100.94	
[Ca]	44	45	He	8152.862	ppb	1.9	70389	8000	101.91	
Ti	47	45	NoGas	103.098	ppb	5.1	101662	100	103.1	
V	51	74	He	105.665	ppb	1.0	177773	100	105.66	
Cr	52	74	He	102.772	ppb	0.5	225713	100	102.77	
Mn	55	74	He	104.877	ppb	0.6	127211	100	104.88	
Fe	56	74	H2	8374.111	ppb	0.9	66093651	8000	104.68	
Co	59	74	He	105.903	ppb	1.5	357011	100	105.9	
Ni	60	74	He	109.430	ppb	1.3	94950	100	109.43	
Cu	65	74	He	107.556	ppb	1.8	121031	100	107.56	
Zn	66	74	He	102.498	ppb	1.0	34423	100	102.5	
As	75	74	He	102.106	ppb	2.1	19614	100	102.11	
Se	78	74	H2	39.537	ppb	2.9	7830	40	98.84	
Mo	95	103	He	39.653	ppb	1.0	43032	40	99.13	
Ag	107	103	He	38.921	ppb	1.2	135811	40	97.3	
Cd	111	103	He	96.616	ppb	1.2	43153	100	96.62	
[Cd]	111	103	NoGas	97.472	ppb	2.8	137281	100	97.47	
Sb	121	103	He	38.189	ppb	1.4	43352	40	95.47	
Ba	138	159	He	103.489	ppb	2.5	240598	100	103.49	
Hg	201	159	NoGas	802.698	ppt	3.1	410	800	100.34	
Tl	205	159	He	40.364	ppb	1.5	227043	40	100.91	
Pb	208	159	NoGas	100.520	ppb	3.1	1186096	100	100.52	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC Flag
Li	6	NoGas	Pulse	3.4	685764	680705.59	100.7	
Sc	45	H2	Analog	0.6	3803397	3349420.95666667	113.6	
Sc	45	He	Pulse	1.3	305881	291137.18	105.1	
Sc	45	NoGas	Analog	3.3	6671093	6389990.85	104.4	
Ge	74	H2	Pulse	1.1	622178	580218.01	107.2	
Ge	74	He	Pulse	1.0	121555	121248.793333333	100.3	
Ge	74	NoGas	Pulse	3.6	853236	871305.86	97.9	
Rh	103	He	Pulse	1.0	364077	373637.25	97.4	
Rh	103	NoGas	Pulse	3.9	765486	804489	95.2	
Tb	159	He	Pulse	1.6	462047	476327.536666667	97.0	

Continuing Calibration Verification (CCV) Report - ICPMS5

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC Flag
Tb	159	NoGas	Pulse	3.3	1068585	1096922.37	97.4	
Bi	209	He	Pulse	1.0	295383	312659.866666667	94.5	
Bi	209	NoGas	Pulse	3.7	520716	550606.38	94.6	

Continuing Calibration Blank (CCB) Report ICPMS5

Sample Name:	**1A14033-CCB3**	Total Dilution:	**1.0000**
File Name:	056_CCB.d	Vial:	1
File Path:	E:\Agilent\ICPMH\Data\1A14033a.b	Sample Type:	CCB
Acq Time:	01/14/2021 15:39:35	I.S. Reference File:	005CALB.d
Comment:	**CCB**	Last Calibration:	01/14/2021 14:31:49

Analyte Table:

Name	Mass	ISTD	Tune Mode	Conc.	Units	Conc. RSD	CPS	QC Flag
Be	9	6	NoGas	0.031	ppb	47.6	79	
Na	23	45	He	0.593	ppb	57.2	5792	
Mg	24	45	He	-6.268	ppb	N/A	1361	
Al	27	45	He	1.549	ppb	60.6	172	
K	39	45	He	2.504	ppb	26.8	11101	
Ca	44	45	H2	-0.111	ppb	N/A	797	
[Ca]	44	45	He	-1.117	ppb	N/A	73	
Ti	47	45	NoGas	0.403	ppb	151.9	479	
V	51	74	He	0.011	ppb	134.9	349	
Cr	52	74	He	0.015	ppb	57.8	133	
Mn	55	74	He	-0.020	ppb	N/A	68	
Fe	56	74	H2	1.669	ppb	11.3	28822	
Co	59	74	He	0.009	ppb	59.0	54	
Ni	60	74	He	-0.336	ppb	N/A	339	
Cu	65	74	He	0.028	ppb	23.3	102	
Zn	66	74	He	0.040	ppb	10.4	68	
As	75	74	He	-0.002	ppb	N/A	9	
Se	78	74	H2	0.043	ppb	25.1	12	
Mo	95	103	He	0.046	ppb	14.6	57	
Ag	107	103	He	0.006	ppb	65.7	31	
Cd	111	103	He	0.009	ppb	52.2	5	
[Cd]	111	103	NoGas	0.016	ppb	64.6	27	
Sb	121	103	He	0.028	ppb	14.6	41	
Ba	138	159	He	0.235	ppb	4.1	597	
Hg	201	159	NoGas	14.767	ppt	61.5	13	
Tl	205	159	He	0.009	ppb	37.6	56	
Pb	208	159	NoGas	0.030	ppb	14.1	542	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC flag
Li	6	NoGas	Pulse	3.4	706898	680705.59	103.8	
Sc	45	H2	Analog	4.5	3647190	3349420.95666667	108.9	
Sc	45	He	Pulse	0.3	302015	291137.18	103.7	
Sc	45	NoGas	Analog	1.6	6910697	6389990.85	108.1	
Ge	74	H2	Pulse	2.9	601899	580218.01	103.7	
Ge	74	He	Pulse	0.8	120932	121248.793333333	99.7	
Ge	74	NoGas	Pulse	3.8	889272	871305.86	102.1	
Rh	103	He	Pulse	1.2	367152	373637.25	98.3	
Rh	103	NoGas	Pulse	3.5	804301	804489	100.0	
Tb	159	He	Pulse	0.7	453151	476327.536666667	95.1	

Continuing Calibration Blank (CCB) Report ICPMS5

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC flag
Tb	159	NoGas	Pulse	3.7	1082152	1096922.37	98.7	
Bi	209	He	Pulse	1.4	291892	312659.866666667	93.4	
Bi	209	NoGas	Pulse	3.8	532498	550606.38	96.7	

Continuing Calibration Verification (CCV) Report - ICPMS5

Sample Name:	**1A14033-CCV6**	Total Dilution:	**1.0000**
File Name:	062_CCV.d	Vial:	2
File Path:	E:\Agilent\ICPMH\Data\1A14033a.b	Sample Type:	CCV
Acq Time:	01/14/2021 16:10:32	I.S. Reference File:	005CALB.d
Comment:	**CCV A21A136 KT 1/14**	Last Calibration:	01/14/2021 14:31:49

Analyte Table:

Name	Mass	ISTD	Tune	Conc.	Units	Conc. RSD	CPS	ExpValue	% Rec	Flag
Be	9	6	NoGas	39.604	ppb	0.9	66133	40	99.01	
Na	23	45	He	8418.063	ppb	1.5	3371727	8000	105.23	
Mg	24	45	He	8669.104	ppb	0.8	1837895	8000	108.36	
Al	27	45	He	7972.318	ppb	0.7	636362	8000	99.65	
K	39	45	He	8398.621	ppb	1.4	1330505	8000	104.98	
Ca	44	45	H2	8297.812	ppb	1.9	1198209	8000	103.72	
[Ca]	44	45	He	8269.326	ppb	1.0	68337	8000	103.37	
Ti	47	45	NoGas	100.099	ppb	1.4	95061	100	100.1	
V	51	74	He	104.500	ppb	0.6	170673	100	104.5	
Cr	52	74	He	102.205	ppb	1.5	217879	100	102.2	
Mn	55	74	He	104.226	ppb	0.6	122721	100	104.23	
Fe	56	74	H2	8589.148	ppb	1.5	62780506	8000	107.36	
Co	59	74	He	105.531	ppb	1.5	345338	100	105.53	
Ni	60	74	He	108.011	ppb	1.9	90980	100	108.01	
Cu	65	74	He	107.103	ppb	1.4	116994	100	107.1	
Zn	66	74	He	102.767	ppb	0.4	33501	100	102.77	
As	75	74	He	101.959	ppb	0.5	19014	100	101.96	
Se	78	74	H2	41.208	ppb	1.6	7558	40	103.02	
Mo	95	103	He	39.718	ppb	1.2	42013	40	99.3	
Ag	107	103	He	38.753	ppb	1.6	131799	40	96.88	
Cd	111	103	He	96.632	ppb	1.5	42069	100	96.63	
[Cd]	111	103	NoGas	98.128	ppb	0.9	134287	100	98.13	
Sb	121	103	He	38.780	ppb	0.6	42912	40	96.95	
Ba	138	159	He	103.129	ppb	1.1	235138	100	103.13	
Hg	201	159	NoGas	790.416	ppt	2.1	401	800	98.8	
Tl	205	159	He	41.011	ppb	0.4	226214	40	102.53	
Pb	208	159	NoGas	100.917	ppb	0.9	1181764	100	100.92	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC Flag
Li	6	NoGas	Pulse	2.3	662232	680705.59	97.3	
Sc	45	H2	Analog	2.3	3507923	3349420.95666667	104.7	
Sc	45	He	Pulse	0.9	292761	291137.18	100.6	
Sc	45	NoGas	Analog	2.2	6419149	6389990.85	100.5	
Ge	74	H2	Pulse	1.4	576229	580218.01	99.3	
Ge	74	He	Pulse	1.2	117997	121248.793333333	97.3	
Ge	74	NoGas	Pulse	2.2	826950	871305.86	94.9	
Rh	103	He	Pulse	0.9	354859	373637.25	95.0	
Rh	103	NoGas	Pulse	2.3	743422	804489	92.4	
Tb	159	He	Pulse	0.6	453025	476327.536666667	95.1	

Continuing Calibration Verification (CCV) Report - ICPMS5

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC Flag
Tb	159	NoGas	Pulse	2.6	1060080	1096922.37	96.6	
Bi	209	He	Pulse	0.7	291566	312659.866666667	93.3	
Bi	209	NoGas	Pulse	2.9	518062	550606.38	94.1	

Continuing Calibration Blank (CCB) Report ICPMS5

Sample Name:	**1A14033-CCB4**	Total Dilution:	**1.0000**
File Name:	063_CCB.d	Vial:	1
File Path:	E:\Agilent\ICPMH\Data\1A14033a.b	Sample Type:	CCB
Acq Time:	01/14/2021 16:15:35	I.S. Reference File:	005CALB.d
Comment:	**CCB**	Last Calibration:	01/14/2021 14:31:49

Analyte Table:

Name	Mass	ISTD	Tune Mode	Conc.	Units	Conc. RSD	CPS	QC Flag
Be	9	6	NoGas	0.013	ppb	51.1	47	
Na	23	45	He	1.391	ppb	23.3	5971	
Mg	24	45	He	-6.523	ppb	N/A	1273	
Al	27	45	He	1.361	ppb	31.2	153	
K	39	45	He	2.761	ppb	10.4	10871	
Ca	44	45	H2	0.972	ppb	67.7	916	
[Ca]	44	45	He	-0.360	ppb	N/A	78	
Ti	47	45	NoGas	0.335	ppb	164.9	394	
V	51	74	He	0.046	ppb	12.8	401	
Cr	52	74	He	0.020	ppb	48.0	141	
Mn	55	74	He	-0.021	ppb	N/A	66	
Fe	56	74	H2	2.323	ppb	9.4	33100	
Co	59	74	He	0.016	ppb	12.1	74	
Ni	60	74	He	-0.330	ppb	N/A	338	
Cu	65	74	He	0.017	ppb	67.1	89	
Zn	66	74	He	0.050	ppb	44.3	70	
As	75	74	He	0.004	ppb	615.3	10	
Se	78	74	H2	0.051	ppb	35.2	13	
Mo	95	103	He	0.054	ppb	7.6	66	
Ag	107	103	He	0.002	ppb	1.9	17	
Cd	111	103	He	0.013	ppb	42.1	7	
[Cd]	111	103	NoGas	0.011	ppb	196.5	20	
Sb	121	103	He	0.028	ppb	55.7	40	
Ba	138	159	He	0.037	ppb	8.7	144	
Hg	201	159	NoGas	13.741	ppt	53.1	12	
Tl	205	159	He	0.008	ppb	67.2	48	
Pb	208	159	NoGas	0.029	ppb	10.4	518	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC flag
Li	6	NoGas	Pulse	3.6	684704	680705.59	100.6	
Sc	45	H2	Analog	2.4	3468952	3349420.95666667	103.6	
Sc	45	He	Pulse	1.2	294655	291137.18	101.2	
Sc	45	NoGas	Analog	2.4	6653320	6389990.85	104.1	
Ge	74	H2	Pulse	2.5	588809	580218.01	101.5	
Ge	74	He	Pulse	1.0	119040	121248.793333333	98.2	
Ge	74	NoGas	Pulse	2.9	859834	871305.86	98.7	
Rh	103	He	Pulse	0.9	364297	373637.25	97.5	
Rh	103	NoGas	Pulse	3.1	781767	804489	97.2	
Tb	159	He	Pulse	1.5	450705	476327.536666667	94.6	

Continuing Calibration Blank (CCB) Report ICPMS5

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC flag
Tb	159	NoGas	Pulse	2.5	1065506	1096922.37	97.1	
Bi	209	He	Pulse	1.5	292276	312659.866666667	93.5	
Bi	209	NoGas	Pulse	2.7	526324	550606.38	95.6	

Continuing Calibration Verification (CCV) Report - ICPMS5

Sample Name:	**1A14033-CCV7**	Total Dilution:	**1.0000**
File Name:	072_CCV.d	Vial:	2
File Path:	E:\Agilent\ICPMH\Data\1A14033a.b	Sample Type:	CCV
Acq Time:	01/14/2021 17:01:08	I.S. Reference File:	005CALB.d
Comment:	**CCV A21A136 KT 1/14**	Last Calibration:	01/14/2021 14:31:49

Analyte Table:

Name	Mass	ISTD	Tune	Conc.	Units	Conc. RSD	CPS	ExpValue	% Rec	Flag
Be	9	6	NoGas	38.933	ppb	0.3	61224	40	97.33	
Na	23	45	He	8439.341	ppb	1.8	3190791	8000	105.49	
Mg	24	45	He	8778.495	ppb	1.4	1756770	8000	109.73	
Al	27	45	He	8037.104	ppb	1.7	605554	8000	100.46	
K	39	45	He	8322.898	ppb	2.4	1244616	8000	104.04	
Ca	44	45	H2	8447.293	ppb	2.3	1138801	8000	105.59	
[Ca]	44	45	He	8239.534	ppb	0.9	64278	8000	102.99	
Ti	47	45	NoGas	99.967	ppb	2.7	88801	100	99.97	
V	51	74	He	103.964	ppb	0.7	158893	100	103.96	
Cr	52	74	He	102.004	ppb	1.1	203495	100	102	
Mn	55	74	He	105.105	ppb	1.2	115808	100	105.1	
Fe	56	74	H2	8654.654	ppb	2.0	59631805	8000	108.18	
Co	59	74	He	104.009	ppb	0.8	318514	100	104.01	
Ni	60	74	He	107.586	ppb	1.6	84807	100	107.59	
Cu	65	74	He	105.771	ppb	2.2	108118	100	105.77	
Zn	66	74	He	104.122	ppb	0.5	31763	100	104.12	
As	75	74	He	101.290	ppb	0.8	17676	100	101.29	
Se	78	74	H2	41.072	ppb	1.6	7101	40	102.68	
Mo	95	103	He	39.362	ppb	0.5	39225	40	98.41	
Ag	107	103	He	39.095	ppb	1.2	125263	40	97.74	
Cd	111	103	He	98.961	ppb	0.2	40587	100	98.96	
[Cd]	111	103	NoGas	99.074	ppb	1.8	128076	100	99.07	
Sb	121	103	He	38.636	ppb	1.6	40273	40	96.59	
Ba	138	159	He	102.074	ppb	0.3	225498	100	102.07	
Hg	201	159	NoGas	819.634	ppt	2.5	403	800	102.45	
Tl	205	159	He	40.872	ppb	0.5	218427	40	102.18	
Pb	208	159	NoGas	101.282	ppb	1.2	1149357	100	101.28	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC Flag
Li	6	NoGas	Pulse	1.2	623565	680705.59	91.6	
Sc	45	H2	Analog	2.3	3275252	3349420.95666667	97.8	
Sc	45	He	Pulse	1.1	276363	291137.18	94.9	
Sc	45	NoGas	Analog	0.3	6003875	6389990.85	94.0	
Ge	74	H2	Pulse	2.1	543275	580218.01	93.6	
Ge	74	He	Pulse	0.6	110416	121248.793333333	91.1	
Ge	74	NoGas	Pulse	1.3	776357	871305.86	89.1	
Rh	103	He	Pulse	0.5	334295	373637.25	89.5	
Rh	103	NoGas	Pulse	2.1	702226	804489	87.3	
Tb	159	He	Pulse	0.8	438936	476327.536666667	92.2	

Continuing Calibration Verification (CCV) Report - ICPMS5

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC Flag
Tb	159	NoGas	Pulse	1.4	1027079	1096922.37	93.6	
Bi	209	He	Pulse	0.7	280782	312659.866666667	89.8	
Bi	209	NoGas	Pulse	1.3	504137	550606.38	91.6	

Continuing Calibration Blank (CCB) Report ICPMS5

Sample Name:	**1A14033-CCB5**	Total Dilution:	**1.0000**
File Name:	073_CCB.d	Vial:	1
File Path:	E:\Agilent\ICPMH\Data\1A14033a.b	Sample Type:	CCB
Acq Time:	01/14/2021 17:06:10	I.S. Reference File:	005CALB.d
Comment:	**CCB**	Last Calibration:	01/14/2021 14:31:49

Analyte Table:

Name	Mass	ISTD	Tune Mode	Conc.	Units	Conc. RSD	CPS	QC Flag
Be	9	6	NoGas	0.011	ppb	132.8	38	
Na	23	45	He	60.530	ppb	3.5	26972	> 1/2 RL
Mg	24	45	He	-5.460	ppb	N/A	1359	
Al	27	45	He	1.639	ppb	16.6	159	
K	39	45	He	1.718	ppb	55.3	9698	
Ca	44	45	H2	2.017	ppb	73.5	972	
[Ca]	44	45	He	-0.426	ppb	N/A	70	
Ti	47	45	NoGas	0.003	ppb	386.1	60	
V	51	74	He	0.051	ppb	36.1	375	
Cr	52	74	He	0.027	ppb	34.0	143	
Mn	55	74	He	-0.011	ppb	N/A	71	
Fe	56	74	H2	2.585	ppb	11.7	31918	
Co	59	74	He	0.024	ppb	53.0	92	
Ni	60	74	He	-0.389	ppb	N/A	266	
Cu	65	74	He	0.074	ppb	61.4	139	
Zn	66	74	He	0.062	ppb	69.0	68	
As	75	74	He	0.023	ppb	62.5	13	
Se	78	74	H2	0.074	ppb	36.0	16	
Mo	95	103	He	0.058	ppb	17.1	64	
Ag	107	103	He	0.005	ppb	0.7	23	
Cd	111	103	He	0.011	ppb	39.7	5	
[Cd]	111	103	NoGas	0.007	ppb	139.5	13	
Sb	121	103	He	0.040	ppb	31.5	50	
Ba	138	159	He	0.022	ppb	20.0	107	
Hg	201	159	NoGas	12.939	ppt	29.4	11	
Tl	205	159	He	0.009	ppb	51.7	56	
Pb	208	159	NoGas	0.026	ppb	18.6	459	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC flag
Li	6	NoGas	Pulse	1.8	610550	680705.59	89.7	
Sc	45	H2	Analog	1.2	3174361	3349420.95666667	94.8	
Sc	45	He	Pulse	0.3	266905	291137.18	91.7	
Sc	45	NoGas	Analog	0.7	5951795	6389990.85	93.1	
Ge	74	H2	Pulse	1.1	536209	580218.01	92.4	
Ge	74	He	Pulse	0.4	109350	121248.793333333	90.2	
Ge	74	NoGas	Pulse	1.9	775615	871305.86	89.0	
Rh	103	He	Pulse	0.5	337833	373637.25	90.4	
Rh	103	NoGas	Pulse	1.9	716951	804489	89.1	
Tb	159	He	Pulse	0.8	433392	476327.536666667	91.0	

Continuing Calibration Blank (CCB) Report ICPMS5

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC flag
Tb	159	NoGas	Pulse	2.3	1023946	1096922.37	93.3	
Bi	209	He	Pulse	0.5	282320	312659.866666667	90.3	
Bi	209	NoGas	Pulse	2.1	508781	550606.38	92.4	

Continuing Calibration Blank (CCB) Report ICPMS5

Sample Name:	**1A14033-CCB6**	Total Dilution:	**1.0000**
File Name:	074_CCB.d	Vial:	1
File Path:	E:\Agilent\ICPMH\Data\1A14033a.b	Sample Type:	CCB
Acq Time:	01/14/2021 17:11:17	I.S. Reference File:	005CALB.d
Comment:	**CCB**	Last Calibration:	01/14/2021 14:31:49

Analyte Table:

Name	Mass	ISTD	Tune Mode	Conc.	Units	Conc. RSD	CPS	QC Flag
Be	9	6	NoGas	0.005	ppb	105.1	29	
Na	23	45	He	45.320	ppb	1.9	21556	> 1/2 RL
Mg	24	45	He	-6.403	ppb	N/A	1185	
Al	27	45	He	0.425	ppb	45.4	71	
K	39	45	He	-0.399	ppb	N/A	9449	
Ca	44	45	H2	-0.984	ppb	N/A	586	
[Ca]	44	45	He	-0.058	ppb	N/A	73	
Ti	47	45	NoGas	0.006	ppb	295.6	63	
V	51	74	He	0.054	ppb	16.6	382	
Cr	52	74	He	0.018	ppb	31.5	126	
Mn	55	74	He	-0.042	ppb	N/A	38	
Fe	56	74	H2	-0.172	ppb	N/A	13251	
Co	59	74	He	0.001	ppb	306.3	26	
Ni	60	74	He	-0.366	ppb	N/A	284	
Cu	65	74	He	0.073	ppb	55.8	139	
Zn	66	74	He	0.046	ppb	114.4	63	
As	75	74	He	0.004	ppb	1035.5	9	
Se	78	74	H2	0.009	ppb	135.1	5	
Mo	95	103	He	0.014	ppb	1.9	20	
Ag	107	103	He	0.003	ppb	134.7	17	
Cd	111	103	He	0.002	ppb	81.1	1	
[Cd]	111	103	NoGas	0.012	ppb	7.7	19	
Sb	121	103	He	0.008	ppb	36.3	17	
Ba	138	159	He	0.013	ppb	114.1	88	
Hg	201	159	NoGas	4.940	ppt	260.4	7	
Tl	205	159	He	0.002	ppb	23.1	16	
Pb	208	159	NoGas	0.009	ppb	18.6	267	

Carryover of Na from previous samples is resposible for hit between MRL and MDL. Related data is >10x this result. Data is not affected. JSJ 01/15/21

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC flag
Li	6	NoGas	Pulse	2.9	607392	680705.59	89.2	
Sc	45	H2	Analog	3.9	3193203	3349420.95666667	95.3	
Sc	45	He	Pulse	1.7	268529	291137.18	92.2	
Sc	45	NoGas	Analog	3.2	5952351	6389990.85	93.2	
Ge	74	H2	Pulse	2.2	539158	580218.01	92.9	
Ge	74	He	Pulse	1.4	110048	121248.793333333	90.8	
Ge	74	NoGas	Pulse	3.7	779189	871305.86	89.4	
Rh	103	He	Pulse	1.4	338950	373637.25	90.7	
Rh	103	NoGas	Pulse	3.3	713803	804489	88.7	
Tb	159	He	Pulse	1.9	435383	476327.536666667	91.4	

Continuing Calibration Blank (CCB) Report ICPMS5

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC flag
Tb	159	NoGas	Pulse	3.2	1018480	1096922.37	92.8	
Bi	209	He	Pulse	2.1	284367	312659.866666667	91.0	
Bi	209	NoGas	Pulse	3.3	512487	550606.38	93.1	

Continuing Calibration Verification (CCV) Report - ICPMS5

Sample Name:	**1A14033-CCV8**	Total Dilution:	**1.0000**
File Name:	081_CCV.d	Vial:	2
File Path:	E:\Agilent\ICPMH\Data\1A14033a.b	Sample Type:	CCV
Acq Time:	01/14/2021 17:47:00	I.S. Reference File:	005CALB.d
Comment:	**CCV A21A136 KT 1/14**	Last Calibration:	01/14/2021 14:31:49

Analyte Table:

Name	Mass	ISTD	Tune	Conc.	Units	Conc. RSD	CPS	ExpValue	% Rec	Flag
Be	9	6	NoGas	40.069	ppb	1.1	55112	40	100.17	
Na	23	45	He	8411.531	ppb	1.1	2819209	8000	105.14	
Mg	24	45	He	8600.931	ppb	0.2	1525876	8000	107.51	
Al	27	45	He	7943.536	ppb	1.0	530552	8000	99.29	
K	39	45	He	8068.443	ppb	0.6	1069918	8000	100.86	
Ca	44	45	H2	8338.406	ppb	1.7	997239	8000	104.23	
[Ca]	44	45	He	8229.305	ppb	1.0	56907	8000	102.87	
Ti	47	45	NoGas	99.676	ppb	1.4	79775	100	99.68	
V	51	74	He	100.147	ppb	0.5	141177	100	100.15	
Cr	52	74	He	98.897	ppb	0.4	181972	100	98.9	
Mn	55	74	He	103.896	ppb	0.3	105580	100	103.9	
Fe	56	74	H2	8541.276	ppb	1.6	53685625	8000	106.77	
Co	59	74	He	101.953	ppb	1.1	287954	100	101.95	
Ni	60	74	He	104.029	ppb	1.0	75650	100	104.03	
Cu	65	74	He	104.474	ppb	0.8	98500	100	104.47	
Zn	66	74	He	103.244	ppb	1.7	29046	100	103.24	
As	75	74	He	99.720	ppb	1.9	16049	100	99.72	
Se	78	74	H2	41.229	ppb	3.7	6502	40	103.07	
Mo	95	103	He	39.484	ppb	2.5	36838	40	98.71	
Ag	107	103	He	39.572	ppb	1.4	118723	40	98.93	
Cd	111	103	He	100.148	ppb	0.4	38461	100	100.15	
[Cd]	111	103	NoGas	100.433	ppb	1.5	120976	100	100.43	
Sb	121	103	He	40.614	ppb	2.3	39636	40	101.54	
Ba	138	159	He	100.935	ppb	1.0	214877	100	100.94	
Hg	201	159	NoGas	750.658	ppt	2.2	359	800	93.83	
Tl	205	159	He	41.745	ppb	1.0	214989	40	104.36	
Pb	208	159	NoGas	103.052	ppb	1.0	1135468	100	103.05	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC Flag
Li	6	NoGas	Pulse	2.8	545510	680705.59	80.1	
Sc	45	H2	Analog	2.3	2905194	3349420.95666667	86.7	
Sc	45	He	Pulse	0.9	244969	291137.18	84.1	
Sc	45	NoGas	Analog	2.6	5410292	6389990.85	84.7	
Ge	74	H2	Pulse	1.6	495531	580218.01	85.4	
Ge	74	He	Pulse	0.6	101835	121248.793333333	84.0	
Ge	74	NoGas	Pulse	3.0	714870	871305.86	82.0	
Rh	103	He	Pulse	1.4	313038	373637.25	83.8	
Rh	103	NoGas	Pulse	3.4	654497	804489	81.4	
Tb	159	He	Pulse	0.4	422988	476327.536666667	88.8	

Continuing Calibration Verification (CCV) Report - ICPMS5

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC Flag
Tb	159	NoGas	Pulse	2.8	997541	1096922.37	90.9	
Bi	209	He	Pulse	0.6	275995	312659.866666667	88.3	
Bi	209	NoGas	Pulse	3.1	499554	550606.38	90.7	

Continuing Calibration Blank (CCB) Report ICPMS5

Sample Name:	**1A14033-CCB7**	Total Dilution:	**1.0000**
File Name:	082_CCB.d	Vial:	1
File Path:	E:\Agilent\ICPMH\Data\1A14033a.b	Sample Type:	CCB
Acq Time:	01/14/2021 17:52:03	I.S. Reference File:	005CALB.d
Comment:	**CCB**	Last Calibration:	01/14/2021 14:31:49

Analyte Table:

Name	Mass	ISTD	Tune Mode	Conc.	Units	Conc. RSD	CPS	QC Flag
Be	9	6	NoGas	0.014	ppb	73.5	38	
Na	23	45	He	23.973	ppb	3.8	12358	
Mg	24	45	He	-5.616	ppb	N/A	1203	
Al	27	45	He	1.174	ppb	22.3	113	
K	39	45	He	-0.432	ppb	N/A	8506	
Ca	44	45	H2	0.398	ppb	290.3	690	
[Ca]	44	45	He	1.850	ppb	110.8	79	
Ti	47	45	NoGas	0.868	ppb	166.2	747	
V	51	74	He	0.035	ppb	23.8	325	
Cr	52	74	He	0.021	ppb	30.4	121	
Mn	55	74	He	-0.028	ppb	N/A	49	
Fe	56	74	H2	1.006	ppb	17.8	19675	
Co	59	74	He	0.009	ppb	44.7	44	
Ni	60	74	He	-0.395	ppb	N/A	241	
Cu	65	74	He	0.034	ppb	57.6	91	
Zn	66	74	He	0.064	ppb	58.8	63	
As	75	74	He	0.014	ppb	244.5	10	
Se	78	74	H2	0.043	ppb	38.5	10	
Mo	95	103	He	0.043	ppb	20.9	47	
Ag	107	103	He	0.005	ppb	62.8	23	
Cd	111	103	He	0.010	ppb	13.2	5	
[Cd]	111	103	NoGas	0.009	ppb	209.4	14	
Sb	121	103	He	0.034	ppb	47.1	41	
Ba	138	159	He	0.017	ppb	50.5	92	
Hg	201	159	NoGas	10.353	ppt	40.3	10	
Tl	205	159	He	0.009	ppb	64.2	50	
Pb	208	159	NoGas	0.028	ppb	19.7	469	

ISTD Table:

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC flag
Li	6	NoGas	Pulse	0.3	549802	680705.59	80.8	
Sc	45	H2	Analog	3.5	2878737	3349420.95666667	85.9	
Sc	45	He	Pulse	1.7	241819	291137.18	83.1	
Sc	45	NoGas	Analog	1.7	5407161	6389990.85	84.6	
Ge	74	H2	Pulse	2.7	498172	580218.01	85.9	
Ge	74	He	Pulse	1.0	101195	121248.793333333	83.5	
Ge	74	NoGas	Pulse	0.7	726212	871305.86	83.3	
Rh	103	He	Pulse	0.9	320508	373637.25	85.8	
Rh	103	NoGas	Pulse	1.2	671773	804489	83.5	
Tb	159	He	Pulse	0.9	419901	476327.536666667	88.2	

Continuing Calibration Blank (CCB) Report ICPMS5

Name	Mass	Tune Mode	Det.	CPS RSD	CPS	ISTD Ref CPS	ISTD Recovery %	QC flag
Tb	159	NoGas	Pulse	1.0	995113	1096922.37	90.7	
Bi	209	He	Pulse	1.4	276222	312659.866666667	88.3	
Bi	209	NoGas	Pulse	0.2	506674	550606.38	92.0	

Metals IFA/IFB Metals Internal Standards Recovery Summary

A21A112 IFA
A21A113 IFB
A0K0482 (I.S Tables)

APEX LABORATORIES

Analytical Standard Record

Apex Laboratories

A21A112

Description:	ICSA working std	Expires:	06/26/21
Standard Type:	Calibration Standa	Prepared:	01/11/21
Solvent:	3.5% HNO3 + 0.04% HCl	Prepared By:	Kevin Taucher
Final Volume (mls):	50	Department:	Metals
Vials:	1	Last Edit:	01/21/21 14:35 by jsj

Prepare as needed.

Analyte	CAS Number	Concentration	Units
Aluminum	7429-90-5	100	ug/mL
Calcium	7440-70-2	300	ug/mL
Carbon	7440-44-0	200	ug/mL
Chlorine	7782-50-5	2000	ug/mL
Iron	7439-89-6	250	ug/mL
Magnesium	7439-95-4	100	ug/mL
Molybdenum	7439-98-7	2	ug/mL
Phosphorus	7723-14-0	100	ug/mL
Potassium	7440-09-7	100	ug/mL
Sodium	7440-23-5	250	ug/mL
Sulfur	7704-34-9	100	ug/mL
Titanium	7440-32-6	2	ug/mL
Tungsten	7440-33-7	0.1	ug/mL

Parent Standards used in this standard:

Standard	Description	Prepared	Prepared By	Expires	Last Edit	(mls)
A20I395	Conc. HCl - Omnitrace	09/28/20	Nathan R. Potts	03/22/22	12/15/20 12:52 by jsj	0.02
A20J051	6020A ICS Interferents A	10/02/20	Marshall Pattee	09/16/21	10/05/20 16:50 by jsj	5
A20K177	Conc. HNO3 - Omnitrace	11/10/20	John H. Hoang	05/09/22	12/17/20 17:19 by jsj	1.75
A20L408	1 W 10 ppm	12/28/20	Kevin Taucher	06/26/21	01/21/21 14:35 by jsj	0.5

Reviewed By Date

Analytical Standard Record

Apex Laboratories

A21A113

Description:	ICSA+B working std	Expires:	01/31/21
Standard Type:	Calibration Standa	Prepared:	01/11/21
Solvent:	3.5% HNO3 + 0.04% HCl	Prepared By:	Kevin Taucher
Final Volume (mls):	50	Department:	Metals
Vials:	1	Last Edit:	01/21/21 14:35 by jsj

Prepare as needed.

Analyte	CAS Number	Concentration	Units
Aluminum	7429-90-5	100	ug/mL
Arsenic	7440-38-2	0.1	ug/mL
Cadmium	7440-43-9	0.1	ug/mL
Calcium	7440-70-2	300	ug/mL
Carbon	7440-44-0	200	ug/mL
Chlorine	7782-50-5	2000	ug/mL
Chromium	7440-47-3	0.2	ug/mL
Cobalt	7440-48-4	0.2	ug/mL
Copper	7440-50-8	0.2	ug/mL
Iron	7439-89-6	250	ug/mL
Magnesium	7439-95-4	100	ug/mL
Manganese	7439-96-5	0.2	ug/mL
Mercury	7439-97-6	0.002	ug/mL
Molybdenum	7439-98-7	2	ug/mL
Nickel	7440-02-0	0.2	ug/mL
Phosphorus	7723-14-0	100	ug/mL
Potassium	7440-09-7	100	ug/mL
Selenium	7782-49-2	0.1	ug/mL
Silver	7440-22-4	0.05	ug/mL
Sodium	7440-23-5	250	ug/mL
Sulfur	7704-34-9	100	ug/mL
Titanium	7440-32-6	2	ug/mL
Tungsten	7440-33-7	0.1	ug/mL
Vanadium	7440-62-2	0.2	ug/mL
Zinc	7440-66-6	0.1	ug/mL

Reviewed By Date

Analytical Standard Record

Apex Laboratories

A21A113

Parent Standards used in this standard:

Standard	Description	Prepared	Prepared By	Expires	Last Edit	(mls)
A20H043	1 Hg Stock 1.00ppm Primary Std	08/04/20	John Beck	01/31/21	08/04/20 18:32 by jpb	0.1
A20H307	Conc. HCl - Omnitrace	08/20/20	Michael J. Griffith	08/20/22	08/21/20 12:29 by jsj	0.2
A20I381	Conc. HNO3 - Omnitrace	09/28/20	Michael J. Griffith	08/31/22	09/30/20 16:53 by mnp	1.75
A20J050	6020A ICS Analytes B	10/02/20	Marshall Pattee	09/16/21	10/05/20 16:46 by jsj	0.5
A20J051	6020A ICS Interferents A	10/02/20	Marshall Pattee	09/16/21	10/05/20 16:50 by jsj	5
A20L408	1 W 10 ppm	12/28/20	Kevin Taucher	06/26/21	01/21/21 14:35 by jsj	0.5

Reviewed By Date

			6 Li (ISTD) [NoGas]		45 Sc (ISTD) [H2]		45 Sc (ISTD) [He]		45 Sc (ISTD) [NoGas]		74 Ge (ISTD) [H2]		74 Ge (ISTD) [He]	
Rjct	Acq. Date-Time	Sample Name	CPS	QC Measured Value	CPS	QC Measured Value	CPS	QC Measured Value	CPS	QC Measured Value	CPS	QC Measured Value	CPS	QC Measured Value
###	01/14/2021 10:51	rinse	612931		3101220.5		288072.3		6141855.3		538346.7		120670.8	
###	01/14/2021 10:57	rinse	596823.8		3311728.5		289812.4		5938914.4		574204.6		121321.1	
###	01/14/2021 11:02	rinse	624476.6		3283466.6		287468.8		6203636.9		567645.2		119757.8	
###	01/14/2021 11:07	rinse	627210.7		3296934.4		287420.5		6269285.7		572733.7		119600.2	
###	01/14/2021 11:13	1A14033-CAL0	680705.6	100	3349421	100	291137.2	100	6389990.9	100	580218	100	121248.8	100
###	01/14/2021 11:18	1A14033-CAL1	650886.6	95.6193984	3376481.2	100.8079081	294788.5	101.2541636	6246993.4	97.7621656	584809.6	100.7913635	122729.3	101.2210871
###	01/14/2021 11:24	1A14033-CAL2	650285	95.53102588	3352249.3	100.0844435	291805.8	100.2296581	6284327.8	98.34642945	583093.8	100.4956378	121302.6	100.0443386
###	01/14/2021 11:29	1A14033-CAL3	642245.1	94.34991173	3387058.8	101.123711	294306.1	101.0884789	6249434.7	97.80036952	585283.8	100.8730891	121696.2	100.3689741
###	01/14/2021 11:34	1A14033-CAL4	627305.4	92.15517289	3335546.5	99.58576492	278425.4	95.63374329	6070936.3	95.0069639	576805	99.41177627	115337.9	95.12499891
###	01/14/2021 11:40	1A14033-CAL5	644344.7	94.65835296	3261607.4	97.37824713	291869.8	100.251642	6190834.8	96.88331239	569485.7	98.15029871	121529.8	100.2317301
###	01/14/2021 11:45	1A14033-CAL6	635049.4	93.29281058	3293083.5	98.31799384	284216.5	97.62286974	6098863.6	95.44401215	570357	98.3004687	118195.5	97.48180312
###	01/14/2021 11:51	1A14033-CAL7	613936.1	90.19112898	3274575.5	97.76542122	263401.9	90.47346455	5878699.7	91.99856131	563742.2	97.16041045	108689.8	89.64194228
###	01/14/2021 11:56	1A14033-CAL8	613696.8	90.15598653	3270522.1	97.64440428	273125.7	93.81338721	5852943	91.59548317	555045.8	95.66159853	112954.1	93.15892573
###	01/14/2021 12:01	1A14033-CAL9	627051.5	92.11786552	3137096.2	93.66085195	271522.1	93.26258959	5846595.6	91.49614974	521612.8	89.89945521	108378.6	89.38526618
###	01/14/2021 12:08	1A14033-ICV1	626790.4	92.07952002	3263863.3	97.44559917	285999	98.23512178	6116895.3	95.72619816	558235.6	96.21134821	117746.4	97.11138569
###	01/14/2021 12:13	1A14033-ICB1	639416.5	93.93436204	3293205.3	98.32163049	285680.4	98.1257083	6193688.7	96.92797421	568477.9	97.97660423	118030.4	97.34560932
###	01/14/2021 12:20	1A14033-IFA1	648765.9	95.3078501	2849037.7	85.06060312	259850.2	89.25353677	5653949	88.4813316	456064.1	78.60220161	100395.2	82.80102196
###	01/14/2021 12:25	1A14033-IFB1	678954.8	99.74280364	3030709.8	90.48458881	259646.3	89.18349304	5765146.4	90.22151291	480846.8	82.87347774	98662.9	81.37227373
###	01/14/2021 12:30	rinse	592474.8	87.03833278	3029298.3	90.44244849	262433.5	90.14085273	5590667.8	87.49101438	524039.4	90.31768019	108092	89.14893119
###	01/14/2021 12:35	1012873-BLK1	587276.2	86.27462376	3040968.7	90.79087826	263697.8	90.57511193	5593402.9	87.53381637	521709	89.91602886	108331.6	89.34656064
###	01/14/2021 12:40	1012873-BS1	608442.8	89.38413742	2644565.7	78.95590584	264714.9	90.92446615	5875401.2	91.94694303	453401.3	78.14327066	108636.9	89.59830198
###	01/14/2021 12:45	A1A0183-02	585488.1	86.01194093	3082983.6	92.04527011	261549.8	89.8372948	5662838.6	88.62044865	528100	91.01750507	108205.4	89.24243315
###	01/14/2021 12:50	A1A0400-01	579990.2	85.20425842	3042149.9	90.82614356	264851.2	90.9712631	5647120.1	88.37446238	524795.2	90.4479318	108264.2	89.29095597
###	01/14/2021 12:55	A1A0400-02	583721.5	85.75241268	3001326.3	89.60731976	260936.7	89.62671022	5697564.2	89.16388615	516182.8	88.96359089	107052.1	88.29126767
###	01/14/2021 13:00	A1A0400-03	584976.4	85.93676844	3091305.2	92.29372091	262891.8	90.29826764	5663181.2	88.62581079	529528	91.26363324	108409.2	89.41056403
###	01/14/2021 13:05	1012873-MS1	548607.7	80.59397553	3017860.9	90.10097364	268421.2	92.19751207	5306578.5	83.04516654	520390.4	89.68876486	110146.1	90.8430209
###	01/14/2021 13:10	A1A0478-01	600210.7	88.1747913	3113061.1	92.94326314	269065.5	92.41880179	5872468	91.90103968	537637.7	92.66132225	111213.8	91.72359873
###	01/14/2021 13:15	1012873-MS2	629248.8	92.44067517	3166645.4	94.54307021	280840.5	96.46328923	6135086.4	96.01087869	540173.1	93.09829363	115513.5	95.26977835
###	01/14/2021 13:20	1A14033-CCV1	630078.2	92.56251982	3087389.1	92.176802	282822.2	97.1439695	6157484.6	96.36140006	518224	89.31538624	115876.4	95.56909405
###	01/14/2021 13:26	1A14033-CCV2	626711.3	92.06788748	3296800.2	98.4289583	280779.8	96.44242736	6070815.7	95.00507631	558549.3	96.26541984	114521	94.451252
###	01/14/2021 13:31	1A14033-CCB1	628878.7	92.38629679	3217616.5	96.06485783	275354.4	94.57892553	6119511.4	95.76713854	554178.1	95.51204153	114165.7	94.15818241
###	01/14/2021 13:36	1012850-BLK1	601498.6	88.36398322	3091447.7	92.29797339	268967.3	92.38506856	5799893.1	90.76528036	526568.7	90.75359909	110614.8	91.2295677
###	01/14/2021 13:41	1012850-BS1	613492.4	90.12595641	3115306.6	93.01030418	268540.3	92.23842062	6014131.9	94.11800551	530775.8	91.47867655	110097.8	90.8031937
###	01/14/2021 13:46	A0K0482-07	623864.7	91.64971697	3351793.5	100.0708331	281978.2	96.85406721	6293938.4	98.49682972	545969.1	94.09723022	111654.9	92.08743466
###	01/14/2021 13:51	A0K0482-08	636769.7	93.54553804	3419956.7	102.1059092	266370.8	91.49324155	6335663.3	99.1498028	558068.3	96.18251422	105267.5	86.81939598
###	01/14/2021 13:57	A0K0482-09	620333.4	91.13094449	3284951	98.07519178	287818.6	98.86012269	6281935.9	98.308997	534510.7	92.12239379	113596.5	93.68880042
###	01/14/2021 14:02	A0K0482-10	636612.8	93.52248451	3349884.6	100.0138416	283377.8	97.33479935	6422015.5	100.5011684	545140.3	93.95438909	111751.5	92.16712755
###	01/14/2021 14:07	A0K0482-15	636488.1	93.50417312	3348840.9	99.98268258	285840.8	98.18080146	6414990.2	100.3912263	541874.7	93.39156846	111580.8	92.0263234
###	01/14/2021 14:13	A0K0482-16	639438.7	93.9376312	3373839.4	100.7290357	284079.1	97.57569381	6393619.6	100.0567882	549609	94.72456396	111707.4	92.1307478
###	01/14/2021 14:18	A0K0482-17	634596.4	93.22625856	3343288	99.81689412	286486.7	98.4026419	6371625.1	99.71258623	544513.9	93.84643541	112214.2	92.5487011
###	01/14/2021 14:23	A0K0482-18	638273.2	93.76641768	3406048.5	101.6906674	286827	98.51953525	6386422	99.94414875	551760.4	95.09535505	111641.5	92.076372
###	01/14/2021 14:28	1A14033-CCV3	662764	97.36426287	3499785.4	104.4892678	279987.2	96.17018456	6442652.5	100.8241279	587270	101.215411	113186.2	93.35037506
###	01/14/2021 14:33	1A14033-CCV4	652087.6	95.79583297	3381244.2	100.9501114	285129.9	97.93659928	6235261.2	97.57856273	565418.6	97.4493369	114699.6	94.59858267
###	01/14/2021 14:38	1A14033-CCB2	657292.4	96.56045917	3372083.4	100.6766084	276640.2	95.02057987	6382955.7	99.88990318	568371.8	97.9583203	113121.8	93.29728037
###	01/14/2021 14:43	A0K0482-19	633447.6	93.05750621	3490080.8	104.1995267	284148.9	97.59966419	6324584.8	98.97642973	558446.6	96.24772075	110792.5	91.3761451
###	01/14/2021 14:48	A0K0482-20	640093.3	94.03379514	3378910.6	100.8804402	285112.7	97.93070401	6390109.5	100.0018567	542412.7	93.48428878	111010.6	91.55606167
###	01/14/2021 14:53	A0K0482-21	633715.9	93.09691727	3416654.6	102.0073215	280927.3	96.49308618	6324858.1	98.98070673	552348.5	95.19672327	110051.9	90.76531566
###	01/14/2021 14:58	1012850-MS1	635869.3	93.41326451	3364854.8	100.4607907	282547.4	97.04959245	6339762.9	99.21395965	545738.9	94.05755606	109393.6	90.22240716
###	01/14/2021 15:03	1012850-MSD1	636810.3	93.55149755	3369071.2	100.5866758	280837	96.46210079	6386326.5	99.94265547	537331.4	92.60853749	109110.4	89.98881308
###	01/14/2021 15:08	A0K0482-22	615270	90.38709525	3435732.5	102.5769079	283501.5	97.37728792	6162650.1	96.44223726	550000.4	94.79202596	110807.6	91.38858509
###	01/14/2021 15:13	1012874-BLK1	654434.3	96.14058652	3458547.7	103.2580777	281426.5	96.66457922	6504178	101.7869694	576185.1	99.30493655	112805.4	93.03627709
###	01/14/2021 15:19	1012874-BS1	661502.1	97.17888121	3141134	93.78140443	287196.4	98.64641129	6512526.4	101.9176164	525803.6	90.6217274	116036.2	95.70089192
###	01/14/2021 15:24	A1A0480-01	657641.8	96.61178484	3354238.4	100.1438287	280347.2	96.29384219	6267187.8	98.07819626	557168.6	96.02745469	112026.5	92.39386795
###	01/14/2021 15:29	A1A0480-02	717883.7	105.461696	3612545.9	107.8558343	306013.9	105.1098798	6996554.6	109.4924037	599674.5	103.3533137	121573.2	100.2675188
###	01/14/2021 15:34	1A14033-CCV5	685764.1	100.7431289	3803397.1	113.5538683	305881.2	105.0642976	6671093.3	104.3991054	622178.1	107.2317863	121555.1	100.2526431
###	01/14/2021 15:39	1A14033-CCB3	706898.3	103.8478764	3647189.6	108.8901518	302014.7	103.7362204	6910696.9	108.1487758	601898.5	103.7366173	120932.4	99.7390462
###	01/14/2021 15:44	A1A0480-03	673204.8	98.89808897	3586423.3	107.0759203	285362.8	98.01659937	6573441.2	102.8709011	594933.7	102.5362398	114706.4	94.60418823
###	01/14/2021 15:49	1012874-DUP1	650723	95.59536696	3514144.5	104.9179697	288859.5	99.21766204	6328862.3	99.04337025	585344.4	100.8835334	116007.4	95.67719134
###	01/14/2021 15:55	1012874-MS1	616183.6	90.5213055	3320244.8	99.12891869	271687.1	93.31928452	6006310.8	93.99560872	550081.7	94.80603908	110049.2	90.76316856
###	01/14/2021 16:00	1012874-MSD1	632011.7	92.84655647	3320405.3	99.13371126	280699.8	96.4149489	6206445.1	97.12760486	561665.3	96.80245534	114046.7	94.06009209
###	01/14/2021 16:05	A1A0480-01RE1	653177.4	95.95593057	3355155.3	100.1712029	289712.9	99.51078503	6420959.5	100.4846436	572483.8	98.66701656	117519.8	96.92451097
###	01/14/2021 16:10	1A14033-CCV6	662232	97.28611797	3507923.2	104.7322296	292760.8	100.5576775	6419149.1	100.4563119	576228.6	99.31243086	117997.1	97.31816987
###	01/14/2021 16:15	1A14033-CCB4	684704.1	100.5874067	3468951.7	103.5686983	294655.3	101.20842	6653319.6	104.1209569	588809	101.4806417	119039.9	98.17821692
###	01/14/2021 16:20	1012867-BLK1	674973.4	99.15790026	3254819.1	97.17557528	296429.7	101.8178658	6600456.9	103.2936836	533345.4	91.92154802	118409.2	97.65807979
###	01/14/2021 16:25	1012867-BS1	652241.6	95.8184541	3408656.7	101.7685375	286338.2	98.35163959	6338645.7	99.19647517	567806.8	97.86094196	114791.6	94.67441848
###	01/14/2021 16:30	A1A0124-01	634522.7	93.21543694	3327465.6	99.34450322	274409.3	94.25427903	6205549.1	97.11358356	542284	93.46210574	109624.3	90.41269359
###	01/14/2021 16:35	A1A0335-01	680671.8	99.9950375	3439482.8	102.6888769	291015	99.95804841	6464698.8	101.1691404	546304.2	94.15499242	112583.8	92.85355637
###	01/14/2021 16:40	1012867-DUP1	688440.1	101.136245	3479865.8	103.8945485	294352.5	101.1044015	6424412.6	100.5386815	541484.9	93.32438968	111915.8	92.30257082
###	01/14/2021 16:45	1012867-MS1	640338.7	94.06984988	3318211.8	99.06822093	280049.4	96.19157425	6022423.5	94.24776443	522999.7	90.13847226	105673.3	87.15414295
###	01/14/2021 16:51	A1A0387-01RE1	638166.3	93.75071289	3477519.4	103.8244939	290203.9	99.67942146	5993113.2	93.7890729	556805	95.96478457	112611.4	92.87630849
###	01/14/2021 16:56	1012867-MSD1	649125.8	95.36073297	3362114.5	100.3789771	283128.6	97.24921427	6170514.3	96.56530776	552179.1	95.16751815	112209.8	92.54504746
###	01/14/2021 17:01	1A14033-CCV7	623565.3	91.60573173	3275251.5	97.78560401	276363.4	94.92547923	6003875.1	93.95749119	543274.8	93.63287028	110416.1	91.06568978
###	01/14/2021 17:06	1A14033-CCB5	610549.7	89.69365351	3174361	94.77342505	266904.8	91.67664764	5951794.9	93.14246405	536208.9	92.41506769	109350.3	90.18670096
###	01/14/2021 17:11	1A14033-CCB6	607391.9	89.22974468	3193203.1	95.33597453	268529.2	92.23458966	5952351.4	93.15117282	539158	92.92333986	110047.6	90.76183246
###	01/14/2021 17:16	A0L0944-06RE2	583650.7	85.74201562	3016573.6	90.06254133	260037.4	89.31783406	5733701.3	89.72941341	516429.9	89.00618292	107244.2	88.44966375
###	01/14/2021 17:21	1012728-DUP3	583147	85.66802524	3036798.9	90.6663854	258124.8	88.66089862	5749087.8	89.97020369	522163.3	89.99432414	106533.4	87.86350808
###	01/14/2021 17:26	1012728-MS3	578665.1	85.00959962	3059469	91.3432209	250238.2	85.9520015	5713677.3	89.41604833	522448.4	90.0434597	103753.1	85.57045434
###	01/14/2021 17:31	A0L0944-04RE1	531466.8	78.07586145	3066850.6	91.56360516	256827.2	88.21518204	5229592.3	81.84037301	519418	89.52117843	106003.9	87.42675597
###	01/14/2021 17:36	A0L0944-05RE1	568516.4	83.51868684	2972823.6	88.75634351	252470.9	86.71888856	5652074.1	88.45199045	510873.1	88.04848026	104520.6	86.20341184
###	01/14/2021 17:41	mistakenly shot	563798.8	82.82565252	2990862.8	89.29492019	253075	86.92636349	5547575.6	86.81664403	515983.5	88.92924518	105413	86.93938617
###	01/14/2021 17:47	1A14033-CCV8	545510	80.13891047	2905193.7	86.73719361	244969.4	84.14227502	5410292.3	84.66823178	495530.8	85.40424314	101834.9	83.98837674
###	01/14/2021 17:52	1A14033-CCB7	549801.5	80.76935483	2878737	85.94730484	241819.2	83.06022497	5407160.9	84.61922701	498171.6	85.85937551	101195.2	83.46079485

		74 Ge (ISTD) [NoGas]		103 Rh (ISTD) [He]		103 Rh (ISTD) [NoGas]		159 Tb (ISTD) [He]		159 Tb (ISTD) [NoGas]		209 Bi (ISTD) [He]		209 Bi (ISTD) [NoGas]	
Acq. Date-Time	Sample Name	CPS	QC Measured Value	CPS	QC Measured Value	CPS	QC Measured Value	CPS	QC Measured Value	CPS	QC Measured Value	CPS	QC Measured Value	CPS	QC Measured Value
01/14/2021 10:51	rinse	817294.6		372427.8		759095.6		482493.2		1064031.4		316277.4		538008.1	
01/14/2021 10:57	rinse	797605.8		376370.4		735719.4		481316.2		1027095.9		315440.7		514245.3	
01/14/2021 11:02	rinse	823045		371762.2		761746.5		476429.9		1080397		312312.4		532703.8	
01/14/2021 11:07	rinse	823399.1		367854		767441.4		475235.8		1066960.9		307756.6		533357.9	
01/14/2021 11:13	1A14033-CAL0	871305.9	100	373637.3	100	804489	100	476327.5	100	1096922.4	100	312659.9	100	550606.4	100
01/14/2021 11:18	1A14033-CAL1	845582.4	97.04771449	379371.6	101.5347256	776390.9	96.50733778	480126.8	100.7976143	1078150.5	98.28867622	314712.2	100.6563991	539808.4	98.03889305
01/14/2021 11:24	1A14033-CAL2	844595.2	96.93440564	375584.7	100.5212194	783281.4	97.36384256	476191.5	99.97143702	1080769.9	98.52747252	312630.6	99.99062666	545084.2	98.99708148
01/14/2021 11:29	1A14033-CAL3	839058.6	96.29897512	375332.8	100.4537967	777988	96.70586381	480722.4	100.9226515	1089522.8	99.32542324	315853.3	101.0213676	547238.8	99.38839248
01/14/2021 11:34	1A14033-CAL4	821696.8	94.30636026	354654.1	94.91935204	760170.5	94.49109435	460139.7	96.60153387	1070445	97.58621387	302989	96.90689968	541864	98.4122275
01/14/2021 11:40	1A14033-CAL5	836642.4	96.02166951	373727.2	100.0240617	771204.3	95.86262211	480712.1	100.9205004	1070985.2	97.63545832	314968.5	100.7383988	538136.1	97.73517336
01/14/2021 11:45	1A14033-CAL6	817526.8	93.82776713	361725.4	96.81192654	747615.1	92.93042706	474514.4	99.61935226	1067561.3	97.32332532	308783.9	98.76031739	537211.7	97.56727665
01/14/2021 11:51	1A14033-CAL7	793796.4	91.10422449	335373.4	89.7590805	733108.9	91.12727375	441636.1	92.71688968	1055878.9	96.25830829	290496.3	92.911284	533584.6	96.90854351
01/14/2021 11:56	1A14033-CAL8	791179.6	90.80389367	346312.2	92.68674987	719162.8	89.39373979	459390.1	96.44416527	1056298.1	96.29651975	298934.1	95.60999194	524285.4	95.21963464
01/14/2021 12:01	1A14033-CAL9	763342.3	87.60899799	320822.1	85.86460352	686705	85.35915842	442869	92.97572348	1030077.8	93.9061701	274648.2	87.84248613	483403.9	87.79482964
01/14/2021 12:08	1A14033-ICV1	808607.3	92.8040673	353446.8	94.59623918	736151.3	91.50544797	465844.8	97.79926153	1056817.3	96.34385218	300394.6	96.07710658	524206	95.20521236
01/14/2021 12:13	1A14033-ICB1	819731.3	94.08077549	363220	97.21192413	760057.1	94.47700839	466125.3	97.85813769	1055866.8	96.25720247	304421.2	97.36498534	529001	96.07606617
01/14/2021 12:20	1A14033-IFA1	710191	81.50880641	283485.9	75.87194621	614678.3	76.40605279	414599.1	87.04076112	958233.67	87.35656228	244891.9	78.32532499	431280.5	78.32827267
01/14/2021 12:25	1A14033-IFB1	723034.1	82.98280774	278980.5	74.66614834	627625.6	78.0154392	398667.4	83.69606961	962032.64	87.70289186	235578.6	75.34660775	430255.4	78.14209793
01/14/2021 12:30	rinse	744224	85.41478267	338766.6	90.66723228	688783.9	85.61756138	436011.8	91.53612443	993089.46	90.53416029	283579	90.69888727	494892	89.88126267
01/14/2021 12:35	1012873-BLK1	743072	85.28256809	333526	89.26466423	687807.5	85.49619904	441425.3	92.67263721	998890.87	91.06304153	288560	92.29196989	499367	90.69401448
01/14/2021 12:40	1012873-BS1	777996.6	89.29087466	333153.1	89.16484103	719683	89.45840072	438389.5	92.03530475	1037188.1	94.55437975	287395.5	91.91954708	513449	93.25155901
01/14/2021 12:45	A1A0183-02	753712.6	86.50379137	332170.7	88.90192114	691274.5	85.92715749	441394.7	92.66622076	1008450.2	91.93451219	287012	91.79688663	507326	92.13950384
01/14/2021 12:50	A1A0400-01	749917	86.06817167	334473.8	89.51833273	690392.3	85.81749284	444115.9	93.23750203	1013142.3	92.36226413	290259.2	92.83546252	506907.2	92.06344164
01/14/2021 12:55	A1A0400-02	752936.2	86.41468489	328550.3	87.93296707	692417.8	86.06927213	437792.7	91.91002051	1010437.4	92.11566843	286486.1	91.62867188	508339.7	92.32360511
01/14/2021 13:00	A1A0400-03	754751.8	86.62306139	333927.1	89.37201702	690961.6	85.8882566	440748.9	92.53062709	1010047.1	92.08008646	288484.8	92.26792246	504229.2	91.57706394
01/14/2021 13:05	1012873-MS1	709163.6	81.39088838	336529.5	90.06851967	647204.1	80.44908714	445401.1	93.50731077	943477.45	86.01132366	289233.3	92.50733065	471341	85.60397781
01/14/2021 13:10	A1A0478-01	780122.1	89.5348177	337773.8	90.40153429	709645.3	88.21068529	448591.4	94.17709079	1033576.9	94.22516016	291639.9	93.27704355	510917.2	92.7917399
01/14/2021 13:15	1012873-MS2	814393.3	93.46812496	348763.8	93.34289608	734513.5	91.30186532	456729.1	95.88550206	1052770.2	95.97490902	296527	94.84012765	518397.1	94.15020824
01/14/2021 13:20	1A14033-CCV1	806942.7	92.61302302	351413.4	94.05203666	736141.6	91.50425135	460422.6	96.66093207	1053408	96.03304987	295922	94.64661065	519456.7	94.34265969
01/14/2021 13:26	1A14033-CCV2	802373.7	92.08863999	349086.1	93.42913927	730089.3	90.75192576	456358.2	95.80765507	1041301.2	94.92933974	295142.4	94.39727261	512263.6	93.03625759
01/14/2021 13:31	1A14033-CCB1	805196.8	92.41264792	351382.2	94.04366936	752539.8	93.54257962	450259	94.52717553	1064231.2	97.01973927	295679.5	94.56906312	529503.2	96.16728258
01/14/2021 13:36	1012850-BLK1	766315.5	87.95023445	345179.1	92.38349317	717418.9	89.17696782	446023.9	93.63805694	1022405.4	93.20672103	290186.9	92.81233302	506997.7	92.07987201
01/14/2021 13:41	1012850-BS1	785298.3	90.12888463	343678.8	91.98194238	726911.8	90.35696075	444911.9	93.40462373	1045572.1	95.31869151	289554.4	92.61004504	522892.2	94.96659967
01/14/2021 13:46	A0K0482-07	791634	90.85604413	340411	91.10734453	724064.9	90.00308726	452976.8	95.0977563	1070426	97.58448479	287772.7	92.0401819	513232.9	93.21231197
01/14/2021 13:51	A0K0482-08	806058.1	92.51149342	323392.7	86.55257383	736337	91.52852929	426506.4	89.5405809	1071391.9	97.67253174	269537.8	86.2079815	513665.4	93.29085386
01/14/2021 13:57	A0K0482-09	799817.7	91.79528874	346082.3	92.62520533	727423.2	90.42052367	459134.2	96.39043753	1058999.2	96.54276507	287828.9	92.05814178	509911.5	92.60908613
01/14/2021 14:02	A0K0482-10	812329.5	93.23126707	342265.9	91.6037895	737674.4	91.69477561	451256.9	94.73667423	1069507.3	97.50072681	283797.2	90.76865424	514146.9	93.3783023
01/14/2021 14:07	A0K0482-15	808240.7	92.7619994	341247.1	91.33113557	732490.3	91.05037815	452577.6	95.01394492	1065032.1	97.09274595	286829.8	91.73859858	512618.3	93.10068656
01/14/2021 14:13	A0K0482-16	808368.5	92.77666704	342444.1	91.6514855	734905.5	91.35059232	453419.7	95.19073014	1060468.1	96.67668126	283447.4	90.65679147	508224.7	92.30272874
01/14/2021 14:18	A0K0482-17	807385	92.66378896	344550.9	92.21535326	734159.2	91.25782495	450101.5	94.49410934	1063858.8	96.9857873	284853.3	91.10644944	505465.9	91.80168357
01/14/2021 14:23	A0K0482-18	810463.7	93.01712604	340802.4	91.21209408	738739.2	91.82713582	449818.8	94.43477692	1064068.1	97.00486614	284529.6	91.00292586	506052.6	91.90823518
01/14/2021 14:28	1A14033-CCV3	840701.9	96.48757785	342302.3	91.61353157	753346.5	93.64285321	438169.5	91.98912155	1060688.2	96.69674528	280800	89.81006836	519758.9	94.39753858
01/14/2021 14:33	1A14033-CCV4	811036.2	93.08283508	346459.8	92.72625521	731461.5	90.92250153	448847.1	94.23076744	1066684.4	97.2433774	286676.6	91.68959432	512529.4	93.08453588
01/14/2021 14:38	1A14033-CCB2	838793.9	96.26859543	347943.6	93.12336408	765797.7	95.19057522	434049.6	91.1241894	1043815.6	95.15857019	282217.8	90.26351426	516666.4	93.83588266
01/14/2021 14:43	A0K0482-19	791108	90.79566732	336561	90.07694852	714746.6	88.84479713	437875.6	91.92472311	1025892.2	93.52459707	276976.9	88.5873019	493862	89.69419921
01/14/2021 14:48	A0K0482-20	804687.4	92.35418012	340246.2	91.06323223	729549.3	90.68480696	443763.1	93.16344375	1053709.2	96.06051034	279643.2	89.44006565	502923.7	91.33996534
01/14/2021 14:53	A0K0482-21	793990.4	91.1264815	335902.8	89.90076605	723306.2	89.90877605	442926.8	92.98786078	1051220.1	95.83359091	278718.2	89.14421273	501063.4	91.00211298
01/14/2021 14:58	1012850-MS1	795820	91.33647052	335910.3	89.90279654	724085.3	90.00561764	440452.5	92.4684066	1050028.2	95.72492992	278813.3	89.17463663	500686.1	90.93358732
01/14/2021 15:03	1012850-MSD1	794530.6	91.18848193	333179.3	89.1718737	722502.9	89.8089168	442390.9	92.87536116	1052967.5	95.99289237	274517.8	87.80078373	496795.3	90.22693731
01/14/2021 15:08	A0K0482-22	770736.9	88.4576705	336976.8	90.18823025	700635.7	87.09077564	442605.3	92.92036311	1010945.2	92.16196737	276997.3	88.5938127	480768.6	87.31619916
01/14/2021 15:13	1012874-BLK1	844994.4	96.98022422	347345	92.96315611	767144.8	95.3580223	429912.6	90.25566518	1049967.8	95.71942847	275500.2	88.11499738	508969.9	92.43806074
01/14/2021 15:19	1012874-BS1	841581.2	96.58848999	354312.4	94.82790416	765949.7	95.20946796	445998.7	93.63277976	1058725.7	96.51783015	289222.7	92.50394252	522423	94.88138998
01/14/2021 15:24	A1A0480-01	823001.1	94.45605435	340974.8	91.25823688	747025.4	92.85713457	433313.2	90.9695801	1051405.7	95.85051189	287049.8	91.80897964	520976.7	94.6187226
01/14/2021 15:29	A1A0480-02	894663.1	102.6807134	369700.4	98.94634435	807368.5	100.3579328	456452.4	95.82742788	1095995.6	99.91551544	296741.1	94.90860675	538969.9	97.88660337
01/14/2021 15:34	1A14033-CCV5	853235.9	97.9261037	364077.3	97.44137485	765486.2	95.15185374	462046.6	97.00187534	1068584.6	97.41661147	295382.5	94.47407065	520715.8	94.57132577
01/14/2021 15:39	1A14033-CCB3	889272.5	102.0620321	367152.4	98.2643879	804301.1	99.976639	453150.6	95.1342473	1082152.3	98.65350301	291891.7	93.35756876	532497.7	96.71113631
01/14/2021 15:44	A1A0480-03	839490.3	96.34851532	348660	93.31510353	763531.5	94.90888129	435645.8	91.45928725	1062396.8	96.85250288	285986.9	91.46900849	527033.5	95.71873468
01/14/2021 15:49	1012874-DUP1	819397.6	94.04247589	354747.7	94.94441556	744117.7	92.49569478	450680.8	94.61572804	1050842.9	95.79920014	293059.5	93.7311014	520155.4	94.46955676
01/14/2021 15:55	1012874-MS1	778873.7	89.39153124	338572.3	90.61524246	710967.1	88.3749929	439492.1	92.26678203	1035353.2	94.38709991	285074.5	91.17718658	512282.2	93.0396381
01/14/2021 16:00	1012874-MSD1	808100.1	92.74586079	350293.1	93.75218165	735694	91.44860775	446294.4	93.69485329	1036459.2	94.48792686	292663.5	93.60443873	522699.6	94.9316249
01/14/2021 16:05	A1A0480-01RE1	833976.3	95.71567478	361058.5	96.63343256	754889.6	93.83467021	450132.9	94.50071194	1041254.3	94.92506566	291845	93.34263773	514862.7	93.50830322
01/14/2021 16:10	1A14033-CCV6	826950.3	94.90930429	354858.7	94.97413155	743421.6	92.40917278	453024.9	95.10786139	1060079.9	96.64128799	291566.3	93.2535004	518062	94.08935896
01/14/2021 16:15	1A14033-CCB4	859833.5	98.68331732	364296.7	97.50011007	781766.7	97.17556403	450705.4	94.62088905	1065506.5	97.13599605	292276.5	93.48064393	526324.1	95.58990883
01/14/2021 16:20	1012867-BLK1	843639.8	96.82475949	363746.6	97.35287011	768505.1	95.52710478	453308.8	95.16746183	1055037.3	96.18158059	292137.1	93.43605767	516301	93.76952673
01/14/2021 16:25	1012867-BS1	821483.3	94.28184725	353153.7	94.51778519	744937.6	92.59760999	444489.4	93.31591586	1052599	95.95930172	287359	91.90787731	518199.5	94.11433022
01/14/2021 16:30	A1A0124-01	787151.2	90.34155048	332542.6	89.0014535	707951.4	88.00013259	440300.9	92.43658605	1048465.8	95.5824987	282473	90.34513757	512742.2	93.12319023
01/14/2021 16:35	A1A0335-01	795529.1	91.30308003	315577.4	84.46090069	682926.1	84.88942546	418579.1	87.87632342	980951.14	89.42758091	255056.7	81.57642234	449311	81.60294837
01/14/2021 16:40	1012867-DUP1	787152.3	90.34167213	315604.4	84.4681216	676401	84.07834083	418815.8	87.92600352	982141.4	89.53608996	251667.8	80.49250858	447157.4	81.21180991
01/14/2021 16:45	1012867-MS1	742074.7	85.16810197	301261.4	80.62937158	645921.6	80.28967746	407875.7	85.62925759	957758.53	87.31324594	245172.5	78.41509133	439577.8	79.83522094
01/14/2021 16:51	A1A0387-01RE1	754526.8	86.59723158	329720.9	88.24624865	668329	83.07496767	436163.3	91.56793588	974214.22	88.8134153	272484.2	87.1503506	465640.5	84.56866955
01/14/2021 16:56	1012867-MSD1	784873.4	90.08012257	330485.1	88.45079196	697881.4	86.74841172	436333.9	91.60374247	1019403.7	92.93307906	274548.8	87.81068373	489315.7	88.86851559
01/14/2021 17:01	1A14033-CCV7	776357.1	89.10270193	334295.3	89.47053593	702226	87.28845764	438936.2	92.15008082	1027078.8	93.63276546	280782.4	89.80443285	504136.6	91.56025944
01/14/2021 17:06	1A14033-CCB5	775614.7	89.01749917	337832.6	90.41726166	716950.5	89.1187495	433391.7	90.98607085	1023946.3	93.34719557	282319.8	90.29614823	508780.8	92.403718
01/14/2021 17:11	1A14033-CCB6	779189.2	89.42774776	338950.1	90.71636193	713802.9	88.72748664	435383.1	91.40415152	1018480	92.84886617	284367.3	90.95099616	512487.1	93.07685404
01/14/2021 17:16	A0L0944-06RE2	755335.2	86.69001759	325462.6	87.10656392	688245.5	85.55064602	430765.2	90.43466456	1007662	91.86265509	280696	89.77678832	502091.9	91.18889311
01/14/2021 17:21	1012728-DUP3	756733.6	86.85051462	323883.8	86.68403289	683052.8	84.90517169	431729.1	90.63702812	1014499.8	92.48601187	280146.1	89.60091989	506577.5	92.00356584
01/14/2021 17:26	1012728-MS3	752105.4	86.31932993	314636.1	84.20896382	678825.8	84.37974748	419365.3	88.04137651	1006242.6	91.7332576	271120.3	86.7141311	503017.1	91.35693209
01/14/2021 17:31	A0L0944-04RE1	690420.7	79.239767	323978	86.70924004	626993.7	77.93688789	432643.5	90.82899896	934825.29	85.22255712	281054	89.89129081	467547.8	84.91507793
01/14/2021 17:36	A0L0944-05RE1	748429.3	85.89742298	321366.5	86.01030367	677346	84.19581208	426741.2	89.58986212	1012164.8	92.27314904	279161.2	89.28590664	510773.9	92.76570981
01/14/2021 17:41	mistakenly shot	738177.7	84.72084954	329502.1	88.18770791	680543.6	84.59328178	430739.8	90.42933	1000118.1	91.17491605	282073	90.21719129	503925.2	91.52185874
01/14/2021 17:47	1A14033-CCV8	714870.1	82.04582717	313037.6	83.78115048	654497.2	81.35564025	422987.9	88.80189522	997540.55	90.93994044	275994.8	88.27319166	499553.6	90.72790257
01/14/2021 17:52	1A14033-CCB7	726212.1	83.34754648	320508.2	85.78059156	671772.6	83.50302242	419900.9	88.15382505	995113.24	90.71865678	276221.7	88.34573908	506674.3	92.02114161

Soluble Cyanide by UV Digestion/Gas Diffusion/Amperometric Detection Benchsheet & Analysis Sequence Data (Including Calibration)

Batch 0110510
Sequence 0K17043 (A0K0482-07,08)

Apex Laboratories

PREPARATION BENCH SHEET

NOV 2 5 2020

BATCH #: 0110510 (Soil)

Prep Method: ASTM D7511-12mod (S)

#	Lab Number		Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH <2	pH Other	pH >11
	0110510-BLK1		QC	11/13/20 16:38	2.5	50									
	0110510-BLK2		QC	11/13/20 16:38	2.5	50									
	0110510-BS1		QC	11/13/20 16:38	2.5	50	A20H257		100						
	0110510-BS2		QC	11/13/20 16:38	2.5	50	A20H257		100						
	0110510-BS3		QC	11/13/20 16:38	2.5	50	A20J028		1000						
	A0K0477-13	A	Cyanide, Total (ASTM D7511, OIA)	11/13/20 16:38	2.5104	50					USMPDI-012SC-D-14-15.9-201109				
	0110510-MS1		QC	11/13/20 16:38	2.5201	50	A20H320	A0K0477-13	200						
	0110510-MSD1		QC	11/13/20 16:38	2.5379	50	A20H320	A0K0477-13	200						
	A0K0477-13RE1	A	Cyanide, Total (ASTM D7511, OIA)	11/13/20 16:38	2.5104	50					USMPDI-012SC-D-14-15.9-201109	Added 11/18/2020 by wvo			
	0110510-MS3		QC	11/13/20 16:38	2.5201	50	A20H320	A0K0477-13RE1	200						
	0110510-MSD3		QC	11/13/20 16:38	2.5379	50	A20H320	A0K0477-13RE1	200						
	A0K0477-18	A	Cyanide, Total (ASTM D7511, OIA)	11/13/20 16:38	2.5774	50					USMPDI-014SC-B-00-02-201109				
	A0K0477-18RE1	A	Cyanide, Total (ASTM D7511, OIA)	11/13/20 16:38	2.5774	50					USMPDI-014SC-B-00-02-201109	Added 11/18/2020 by wvo			
	A0K0477-19	A	Cyanide, Total (ASTM D7511, OIA)	11/13/20 16:38	2.531	50					USMPDI-014SC-B-02-04-201109				
	A0K0477-19RE1	A	Cyanide, Total (ASTM D7511, OIA)	11/13/20 16:38	2.531	50					USMPDI-014SC-B-02-04-201109	Added 11/18/2020 by wvo			
	A0K0477-20	A	Cyanide, Total (ASTM D7511, OIA)	11/13/20 16:38	2.5734	50					USMPDI-014SC-B-04-06-201109				
	A0K0477-20RE1	A	Cyanide, Total (ASTM D7511, OIA)	11/13/20 16:38	2.5734	50					USMPDI-014SC-B-04-06-201109	Added 11/18/2020 by wvo			
	A0K0477-21	A	Cyanide, Total (ASTM D7511, OIA)	11/13/20 16:38	2.5526	50					USMPDI-014SC-B-06-08-201109				
	A0K0477-21RE1	A	Cyanide, Total (ASTM D7511, OIA)	11/13/20 16:38	2.5526	50					USMPDI-014SC-B-06-08-201109	Added 11/18/2020 by wvo			
	A0K0477-22	A	Cyanide, Total (ASTM D7511, OIA)	11/13/20 16:38	2.5933	50					USMPDI-014SC-B-08-10-201109				
	A0K0477-22RE1	A	Cyanide, Total (ASTM D7511, OIA)	11/13/20 16:38	2.5933	50					USMPDI-014SC-B-08-10-201109	Added 11/18/2020 by wvo			

WVO 11/19/20
Prepared By: Date

Reviewed By: 11/19/2020
Date

Printed: 11/19/2020 9:06:17AM

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 0110510 (Soil)

Prep Method: ASTM D7511-12mod (S)

#	Lab Number		Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH <2	pH Other	pH >11
	A0K0477-23	A	Cyanide, Total (ASTM D7511, OIA)	11/13/20 16:38	2.5422	50					USMPDI-014SC-B-10-12-201109				
	A0K0477-23RE1	A	Cyanide, Total (ASTM D7511, OIA)	11/13/20 16:38	2.5422	50					USMPDI-014SC-B-10-12-201109	Added 11/18/2020 by wvo			
	A0K0477-24	A	Cyanide, Total (ASTM D7511, OIA)	11/13/20 16:38	2.5951	50					USMPDI-014SC-B-12-14-201109				
	A0K0477-24RE1	A	Cyanide, Total (ASTM D7511, OIA)	11/13/20 16:38	2.5951	50					USMPDI-014SC-B-12-14-201109	Added 11/18/2020 by wvo			
	A0K0477-25	A	Cyanide, Total (ASTM D7511, OIA)	11/13/20 16:38	2.5449	50					USMPDI-014SC-B-14-16-201109				
	A0K0477-25RE1	A	Cyanide, Total (ASTM D7511, OIA)	11/13/20 16:38	2.5449	50					USMPDI-014SC-B-14-16-201109	Added 11/18/2020 by wvo			
	A0K0477-26	A	Cyanide, Total (ASTM D7511, OIA)	11/13/20 16:38	2.521	50					USMPDI-014SC-B-16-17.3-201109				
	A0K0477-26RE1	A	Cyanide, Total (ASTM D7511, OIA)	11/13/20 16:38	2.521	50					USMPDI-014SC-B-16-17.3-201109	Added 11/18/2020 by wvo			
	A0K0477-31	A	Cyanide, Total (ASTM D7511, OIA)	11/13/20 16:38	2.5482	50					USMPDI-057SC-B-00-02-201109				
	A0K0477-31RE1	A	Cyanide, Total (ASTM D7511, OIA)	11/13/20 16:38	2.5482	50					USMPDI-057SC-B-00-02-201109	Added 11/18/2020 by wvo			
	A0K0477-32	A	Cyanide, Total (ASTM D7511, OIA)	11/13/20 16:38	2.5628	50					USMPDI-057SC-B-02-04-201109				
	A0K0477-33	A	Cyanide, Total (ASTM D7511, OIA)	11/13/20 16:38	2.5261	50					USMPDI-057SC-B-04-06-201109				
	A0K0477-34	A	Cyanide, Total (ASTM D7511, OIA)	11/13/20 16:38	2.5361	50					USMPDI-057SC-B-06-08-201109				
	A0K0477-35	A	Cyanide, Total (ASTM D7511, OIA)	11/13/20 16:38	2.5742	50					USMPDI-057SC-B-08-10-201109	MS/MSD			
	0110510-MS2		QC	11/13/20 16:38	2.5104	50	A20H320	A0K0477-35	200						
	0110510-MSD2		QC	11/13/20 16:38	2.5351	50	A20H320	A0K0477-35	200						
	A0K0477-36	A	Cyanide, Total (ASTM D7511, OIA)	11/13/20 16:38	2.5304	50					USMPDI-057SC-B-10-12-201109				

WO 11/19/20

Prepared By: Date

Reviewed By: Date

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 0110510 (Soil)

Prep Method: ASTM D7511-12mod (S)

#	Lab Number		Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH <2	pH other	pH >11
	A0K0477-37	A	Cyanide, Total (ASTM D7511, OIA)	11/13/20 16:38	2.5261	50					USMPDI-057SC-B-12-13.5-201109				
	A0K0477-38	A	Cyanide, Total (ASTM D7511, OIA)	11/13/20 16:38	2.5663	50					USMPDI-1057SC-B-06-08-201109				
	A0K0482-07	A	Cyanide, Total (ASTM D7511, OIA)	11/13/20 16:38	2.542	50					USMPDI-003SC-B-00-02-201110				
	A0K0482-08	A	Cyanide, Total (ASTM D7511, OIA)	11/13/20 16:38	2.5779	50					USMPDI-003SC-B-02-04-201110				

Standards/Reagents

Reagent(s)

Std ID	Exp. Date	Description
A19L373	12/31/29	Syringe Filters, 0.45 um PP
A20G015	12/28/20	0.1 N NaOH
A20H410	08/24/29	Air pillow for OIA Total CN
A20I340	03/23/21	Total CN-TA1 working
A20I341	03/23/21	Total CN-TA2/SAR-working

Analyte Spike(s)

Std ID	Exp. Date	Description
A20H257	12/05/20	Cyanide working -2- TOTAL
A20H320	01/31/21	Cyanide working -1-
A20J028	03/31/21	Total CN Challenge Mtx. Stock Solution

Surrogate(s)

Std ID	Exp. Date	Description

Prepared By: Date

Reviewed By: Date

APEX LABORATORIES

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 0110510 (Soil)

Prep Method: ASTM D7511-12mod (S)

#	Lab Number		Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH <2	pH other	pH >11
	0110510-BLK1		QC	11/13/20 16:38	2.5	50									
	0110510-BS1		QC	11/13/20 16:38	2.5	50	A20H257		100						
	A0K0477-13	A	Cyanide, Total (ASTM D7511, OIA)	11/13/20 16:38	2.5 104 HAS 11/13/20 201	50					USMPDI-012SC-D-14-15.9-201109				
	0110510-MS1		QC	11/13/20 16:38	2.5 ~~703~~ 2	50	A20H320	A0K0477-13	200						
	0110510-MSD1		QC	11/13/20 16:38	2.5 ~~812~~ 379	50	A20H320	A0K0477-13	200						
20X	A0K0477-18	A	Cyanide, Total (ASTM D7511, OIA)	11/13/20 16:38	2.5 774	50					USMPDI-014SC-B-00-02-201109				
20X	A0K0477-19	A	Cyanide, Total (ASTM D7511, OIA)	11/13/20 16:38	2.5 310	50					USMPDI-014SC-B-02-04-201109				
20X	A0K0477-20	A	Cyanide, Total (ASTM D7511, OIA)	11/13/20 16:38	2.5 734	50					USMPDI-014SC-B-04-06-201109				
10X	A0K0477-21	A	Cyanide, Total (ASTM D7511, OIA)	11/13/20 16:38	2.5 526	50					USMPDI-014SC-B-06-08-201109				
1	A0K0477-22	A	Cyanide, Total (ASTM D7511, OIA)	11/13/20 16:38	2.5 933	50					USMPDI-014SC-B-08-10-201109				
1	A0K0477-23	A	Cyanide, Total (ASTM D7511, OIA)	11/13/20 16:38	2.5 422	50					USMPDI-014SC-B-10-12-201109				
1	A0K0477-24	A	Cyanide, Total (ASTM D7511, OIA)	11/13/20 16:38	2.5 951	50					USMPDI-014SC-B-12-14-201109				
5X	A0K0477-25	A	Cyanide, Total (ASTM D7511, OIA)	11/13/20 16:38	2.5 449	50					USMPDI-014SC-B-14-16-201109				
5X	A0K0477-26	A	Cyanide, Total (ASTM D7511, OIA)	11/13/20 16:38	2.5 210	50					USMPDI-014SC-B-16-17.3-201109				
5X	A0K0477-31	A	Cyanide, Total (ASTM D7511, OIA)	11/13/20 16:38	2.5 482	50					USMPDI-057SC-B-00-02-201109				
1	A0K0477-32	A	Cyanide, Total (ASTM D7511, OIA)	11/13/20 16:38	2.5 628	50					USMPDI-057SC-B-02-04-201109				
1	A0K0477-33	A	Cyanide, Total (ASTM D7511, OIA)	11/13/20 16:38	2.5 261	50					USMPDI-057SC-B-04-06-201109				
	A0K0477-34	A	Cyanide, Total (ASTM D7511, OIA)	11/13/20 16:38	2.5 361	50					USMPDI-057SC-B-06-08-201109				
	A0K0477-35	A	Cyanide, Total (ASTM D7511, OIA)	11/13/20 16:38	2.5 742	50					USMPDI-057SC-B-08-10-201109	MS/MSD			

Prepared By: Date

Reviewed By: Date

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 0110510 (Soil)

Prep Method: ASTM D7511-12mod (S)

#	Lab Number		Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH <2	pH other	pH >11
	0110510-MS2		QC	11/13/20 16:38	2.5 104	50	A20H320	A0K0477-35	200						
	0110510-MSD2		QC	11/13/20 16:38	2.5 351	50	A20H320	A0K0477-35	200						
	A0K0477-36	A	Cyanide, Total (ASTM D7511, OIA)	11/13/20 16:38	2.5 304	50					USMPDI-057SC-B-10-12-201109				
	A0K0477-37	A	Cyanide, Total (ASTM D7511, OIA)	11/13/20 16:38	2.5 261	50					USMPDI-057SC-B-12-13.5-201109				
	A0K0477-38	A	Cyanide, Total (ASTM D7511, OIA)	11/13/20 16:38	2.5 663	50					USMPDI-1057SC-B-06-08-201109				
2X	A0K0482-07	A	Cyanide, Total (ASTM D7511, OIA)	11/13/20 16:38	2.5 420	50					USMPDI-003SC-B-00-02-201110				
	A0K0482-08	A	Cyanide, Total (ASTM D7511, OIA)	11/13/20 16:38	2.5 779	50					USMPDI-003SC-B-02-04-201110				

Standards/Reagents

Reagent(s)

Std ID	Exp. Date	Description
A19L373	12/31/29	Syringe Filters, 0.45 um PP
A20G015	12/28/20	0.1 N NaOH
A20H410	08/24/29	Air pillow for OIA Total CN
A20I340	03/23/21	Total CN-TA1 working
A20I341	03/23/21	Total CN-TA2/SAR-working

Analyte Spike(s)

Std ID	Exp. Date	Description
A20H257	12/05/20	Cyanide working -2- TOTAL
A20H320	01/31/21	Cyanide working -1-

Surrogate(s)

Std ID	Exp. Date	Description

Prepared By: Date

Reviewed By: Date

APEX LABORATORIES

ELEMENT SEQUENCE LOG

Apex Laboratories

NOV 2 5 2020

Sequence: 0K17043 ✓ Instrument: OIA FS3000-2

Date: 11/17/20 09:06 Calibration: A0K1702 ✓

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0K17043-CAL1	Soil	QC	QC				
2	0K17043-CAL2	Soil	QC	QC				A20H332 ✓
3	0K17043-CAL3	Soil	QC	QC				A20H328 ✓
4	0K17043-CAL4	Soil	QC	QC				A20H327 ✓
5	0K17043-CAL5	Soil	QC	QC				A20H325 ✓
6	0K17043-CAL6	Soil	QC	QC				A20H323 ✓
7	0K17043-CAL7	Soil	QC	QC				A20H321 ✓
8	0K17043-ICV1	Soil	QC	QC				A20K093 ✓
9	0K17043-ICB1	Soil	QC	QC				
10	0110414-BS2	Soil	QC	QC		0110414		
11	0110414-BLK1	Soil	QC	QC		0110414		
12	0110414-BS1	Soil	QC	QC		0110414		
13	A0K0339-12	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/20/20	0110414		
14	0110414-MS1	Soil	QC	QC		0110414		
15	0110414-MSD1	Soil	QC	QC		0110414		
16	A0K0339-13	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/20/20	0110414		
17	A0K0339-14	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/20/20	0110414		
18	A0K0346-05	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/20/20	0110414		
19	A0K0346-06	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/20/20	0110414		
20	0K17043-CCV1	Soil	QC	QC				A20H323 ✓
21	0K17043-CCB1	Soil	QC	QC				
22	A0K0346-07	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/20/20	0110414		
23	A0K0346-08	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/20/20	0110414		
24	0110414-MS2	Soil	QC	QC		0110414		
25	0110414-MSD2	Soil	QC	QC		0110414		
26	A0K0346-09	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/20/20	0110414		
27	A0K0346-10	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/20/20	0110414		
28	A0K0346-11	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/20/20	0110414		
29	A0K0346-12	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/20/20	0110414		
30	A0K0346-19	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/20/20	0110414		
31	A0K0346-20	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/20/20	0110414		
32	0K17043-CCV2	Soil	QC	QC				A20H323 ✓
33	0K17043-CCB2	Soil	QC	QC				
34	A0K0346-21	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/20/20	0110414		
35	A0K0346-22	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/20/20	0110414		
36	A0K0346-23	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/20/20	0110414		
37	A0K0346-24	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/20/20	0110414		
38	A0K0346-25	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/20/20	0110414		
39	A0K0346-26	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/20/20	0110414		
40	A0K0346-27	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/20/20	0110414		
41	A0K0346-05RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/20/20	0110414		
42	A0K0346-19RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/20/20	0110414		
43	A0K0346-21RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/20/20	0110414		
44	0K17043-CCV3	Soil	QC	QC				A20H323 ✓
45	0K17043-CCB3	Soil	QC	QC				
46	0110599-BLK1	Soil	QC	QC		0110599		
47	0110599-BS1	Soil	QC	QC		0110599		
48	A0K0584-01	Soil	Cyanide, Total (ASTM D7511, OIA)		11/18/20	0110599		
49	0110599-MS1	Soil	QC	QC		0110599		
50	0110599-MSD1	Soil	QC	QC		0110599		
51	A0K0584-01RE1	Soil	Cyanide, Total (ASTM D7511, OIA)		11/18/20	0110599		

Sequence: **0K17043** Instrument: **OIA FS3000-2**

Date: **11/17/20 09:06** Calibration: **A0K1702**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
52	0110599-MS2	Soil	QC	QC		0110599		
53	0110599-MSD2	Soil	QC	QC		0110599		
54	A0K0584-01RE2	Soil	Cyanide, Total (ASTM D7511, OIA)		11/18/20	0110599		
55	0110599-MS3	Soil	QC	QC		0110599		
56	0110599-MSD3	Soil	QC	QC		0110599		
57	0K17043-CCV4	Soil	QC	QC				A20H323
58	0K17043-CCB4	Soil	QC	QC				
59	0110450-BLK1	Soil	QC	QC		0110450		
60	0110450-BS1	Soil	QC	QC		0110450		
61	A0K0346-32	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/20/20	0110450		
62	0110450-MS1	Soil	QC	QC		0110450		
63	0110450-MSD1	Soil	QC	QC		0110450		
64	A0K0346-33	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/20/20	0110450		
65	A0K0346-34	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/20/20	0110450		
66	A0K0346-35	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/20/20	0110450		
67	A0K0346-36	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/20/20	0110450		
68	A0K0346-37	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/20/20	0110450		
69	0K17043-CCV5	Soil	QC	QC				A20H323
70	0K17043-CCB5	Soil	QC	QC				
71	A0K0346-38	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/20/20	0110450		
72	A0K0363-07	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/20/20	0110450		
73	A0K0363-08	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/20/20	0110450		
74	A0K0363-09	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/20/20	0110450		
75	A0K0363-10	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/20/20	0110450		
76	0110450-MS2	Soil	QC	QC		0110450		
77	0110450-MSD2	Soil	QC	QC		0110450		
78	A0K0363-11	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/20/20	0110450		
79	A0K0363-12	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/20/20	0110450		
80	A0K0363-13	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/20/20	0110450		
81	0K17043-CCV6	Soil	QC	QC				A20H323
82	0K17043-CCB6	Soil	QC	QC				
83	A0K0363-14	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/20/20	0110450		
84	A0K0363-19	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/20/20	0110450		
85	A0K0363-20	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/20/20	0110450		
86	A0K0363-21	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/20/20	0110450		
87	A0K0363-22	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/20/20	0110450		
88	A0K0363-23	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/20/20	0110450		
89	A0K0346-32RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/20/20	0110450		
90	0110450-MS3	Soil	QC	QC		0110450		
91	0110450-MSD3	Soil	QC	QC		0110450		
92	A0K0363-07RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/20/20	0110450		
93	0K17043-CCV7	Soil	QC	QC				A20H323
94	0K17043-CCB7	Soil	QC	QC				
95	A0K0363-19RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/20/20	0110450		
96	A0K0363-20RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/20/20	0110450		
97	0110509-BLK1	Soil	QC	QC		0110509		
98	0110509-BS1	Soil	QC	QC		0110509		
99	A0K0363-24	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/20/20	0110509		
100	A0K0363-25	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/20/20	0110509		
101	0110509-MS1	Soil	QC	QC		0110509		
102	0110509-MSD1	Soil	QC	QC		0110509		
103	A0K0363-26	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/20/20	0110509		
104	A0K0363-27	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/20/20	0110509		
105	0K17043-CCV8	Soil	QC	QC				A20H323
106	0K17043-CCB8	Soil	QC	QC				

Sequence: 0K17043 Instrument: OIA FS3000-2

Date: 11/17/20 09:06 Calibration: A0K1702

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
107	A0K0363-28	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/20/20	0110509		
108	A0K0363-33	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/20/20	0110509		
109	A0K0363-34	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/20/20	0110509		
110	A0K0363-35	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/20/20	0110509		
111	A0K0363-36	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/20/20	0110509		
112	A0K0363-37	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/20/20	0110509		
113	A0K0363-38	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/20/20	0110509		
114	A0K0363-39	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/20/20	0110509		
115	A0K0363-40	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/20/20	0110509		
116	A0K0477-06	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/23/20	0110509		
117	0K17043-CCV9	Soil	QC	QC				A20H323
118	0K17043-CCB9	Soil	QC	QC				
119	0110509-MS2	Soil	QC	QC		0110509		
120	0110509-MSD2	Soil	QC	QC		0110509		
121	A0K0477-07	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/23/20	0110509		
122	A0K0477-08	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/23/20	0110509		
123	A0K0477-09	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/23/20	0110509		
124	A0K0477-10	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/23/20	0110509		
125	A0K0477-11	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/23/20	0110509		
126	A0K0363-34RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/20/20	0110509		
127	A0K0477-06RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/23/20	0110509		
128	0110509-MS3	Soil	QC	QC		0110509		
129	0K17043-CCVA	Soil	QC	QC				A20H323
130	0K17043-CCBA	Soil	QC	QC				
131	0110509-MSD3	Soil	QC	QC		0110509		
132	0110510-BLK1	Soil	QC	QC		0110510		
133	0110510-BS1	Soil	QC	QC		0110510		
134	A0K0477-13	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/23/20	0110510		
135	0110510-MS1	Soil	QC	QC		0110510		
136	0110510-MSD1	Soil	QC	QC		0110510		
137	A0K0477-18	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/23/20	0110510		
138	A0K0477-19	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/23/20	0110510		
139	A0K0477-20	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/23/20	0110510		
140	A0K0477-21	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/23/20	0110510		
141	A0K0477-22	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/23/20	0110510		
142	A0K0477-23	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/23/20	0110510		
143	A0K0477-24	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/23/20	0110510		
144	0K17043-CCVB	Soil	QC	QC				A20H323
145	0K17043-CCBB	Soil	QC	QC				
146	A0K0477-25	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/23/20	0110510		
147	A0K0477-26	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/23/20	0110510		
148	A0K0477-31	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/23/20	0110510		
149	A0K0477-32	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/23/20	0110510		
150	A0K0477-33	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/23/20	0110510		
151	A0K0477-34	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/23/20	0110510		
152	A0K0477-35	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/23/20	0110510		
153	0110510-MS2	Soil	QC	QC		0110510		
154	0110510-MSD2	Soil	QC	QC		0110510		
155	A0K0477-36	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/23/20	0110510		
156	0K17043-CCVC	Soil	QC	QC				A20H323
157	0K17043-CCBC	Soil	QC	QC				
158	A0K0477-37	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/23/20	0110510		
159	A0K0477-38	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/23/20	0110510		
160	A0K0482-07	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/24/20	0110510		
161	A0K0482-08	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/24/20	0110510		

Sequence: **0K17043** Instrument: **OIA FS3000-2**

Date: **11/17/20 09:06** Calibration: **A0K1702**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
162	A0K0477-22RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/23/20	0110510		
163	A0K0477-23RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/23/20	0110510		
164	A0K0477-24RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/23/20	0110510		
165	A0K0477-18RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/23/20	0110510		
166	A0K0477-19RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/23/20	0110510		
167	A0K0477-20RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/23/20	0110510		
168	0K17043-CCVD	Soil	QC	QC				A20H323
169	0K17043-CCBD	Soil	QC	QC				
170	A0K0477-21RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/23/20	0110510		
171	A0K0477-25RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/23/20	0110510		
172	A0K0477-26RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/23/20	0110510		
173	A0K0477-31RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/23/20	0110510		
174	A0K0477-32RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/23/20	0110510		
175	A0K0477-33RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/23/20	0110510		
176	0K17043-CCVE	Soil	QC	QC				A20H323
177	0K17043-CCBE	Soil	QC	QC				

Comments:

Data Entered By/Date: MO 11/19/20

Data Reviewed By/Date: cmz 11/19/2020

Run Results Report

Apex Laboratories OIA FS3000-2

Operator Name	WVO
Operator ID	WVO
Platform	FS III/IV/3100
Software Rev Code	234
Data system ID	57
Result path	C:\FLOW_4\0K17043.RST
Sample table path	C:\FLOW_4\totcn50.tbl
Method path	C:\FLOW_4\totcn50.mth
Date acquired	17-Nov-20
Time acquired	20:26

TOTAL CN 50ppb

Name	Response	Calc [ppb]	Flags	Mean Response	Mean Calc [ppb]	RSD
Sync 25 ppb	1185933	26.846				
Sync 25 ppb	1207526	27.322				
Sync 25 ppb	1197124	27.093				
(Statistics)				1196861	27.087	.902%
Carryover	48387	1.682				
Read Baseline	13627	0.910	BL			
Cal 0.0 ppb	-16201	0.248				
Cal 1.0 ppb	24488	1.151				
Cal 2.0 ppb	50848	1.737				
Cal 5.0 ppb	164708	4.264				
Cal 10.0 ppb	407918	9.655				
Cal 25.0 ppb	1121740	25.431				
Cal 50.0 ppb	2235797	49.907				
Read Baseline	11360	0.860	BL			
0K17043-ICV1	1073725	24.372				
0K17043-ICB1	22299	1.103				
Read Baseline	12172	0.878	BL			
0110414-BS2	113550	3.128				
0110414-BLK1	-17296	0.223				
0110414-BS1	942690	21.481				
Read Baseline	10294	0.836	BL			
A0K0339-12	122964	3.337				
0110414-MS1	234681	5.816				
0110414-MSD1	239784	5.929				
Read Baseline	-3781	0.524	BL			
A0K0339-13	2920	0.672				
A0K0339-14	31373	1.304				

< 3% of Lamp 11/19/2020

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Date acquired	17-Nov-20
Time acquired	20:26

TOTAL CN 50ppb

Name	Response	Calc [ppb]	Flags	Mean Response	Mean Calc [ppb]	RSD
Read Baseline	8705	0.801	BL			
A0K0346-05@20	384980	9.147	NR			
A0K0346-06	2184372	48.781				
Read Baseline	21418	1.083	BL			
0K17043-CCV1	1137332	25.775				
0K17043-CCB1	19252	1.035				
Read Baseline	10685	0.845	BL			
A0K0346-07	252321	6.207				
A0K0346-08	13365	0.904				
0110414-MS2	155284	4.055				
Read Baseline	-23757	0.080	BL			
0110414-MSD2	141408	3.747				
A0K0346-09	34263	1.368				
Read Baseline	-8137	0.427	BL			
A0K0346-10	8846	0.804				
A0K0346-11	-4557	0.506				
A0K0346-12	-1908	0.565				
Read Baseline	-8613	0.416	BL			
A0K0346-19@10	174865	4.489	NR			
A0K0346-20	510158	11.919				
Read Baseline	1457	0.640	BL			
0K17043-CCV2	1136328	25.752				
0K17043-CCB2	15047	0.942				
Read Baseline	11559	0.864	BL			
A0K0346-21@2	79019	2.362	NR			
A0K0346-22	94997	2.717				
A0K0346-23	37868	1.448				
Read Baseline	444	0.617	BL			
A0K0346-24	82132	2.431				
A0K0346-25	13625	0.910				
Read Baseline	-7541	0.440	BL			
A0K0346-26	33847	1.359				
A0K0346-27	77720	2.333				
Read Baseline	15404	0.950	BL			
A0K0346-05RE1@5	1515839	34.109				
A0K0346-19RE1	2022430	45.233				
A0K0346-21RE1	182872	4.667				

over diluted. MO 11/19/20

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TOTAL CN 50ppb

Name	Response	Calc [ppb]	Flags	Mean Response	Mean Calc [ppb]	RSD
Read Baseline	14273	0.925	BL			
0K17043-CCV3	1123646	25.473				
0K17043-CCB3	14369	0.927				
Read Baseline	5211	0.723	BL			
0110599-BLK1	-17639	0.216				
0110599-BS1	901191	20.564				
Read Baseline	10478	0.840	BL			
A0K0584-01@1000	126869	3.424				
0110599-MS1@1000	330426	7.938				
0110599-MSD1@1000	105312	2.946				
Read Baseline	13188	0.900	BL			
A0K0584-01RE1@100	1663846	37.363				
0110599-MS2@100	3492759	77.311	HI			
0110599-MSD2@100	1546093	34.775	FL			
Read Baseline	19738	1.046	BL			
A0K0584-01RE2@200	1041321	23.657				
0110599-MS3@200	2809662	62.446	HI			
0110599-MSD3@200	757072	17.381	FL			
Read Baseline	22861	1.115	BL			
Read Baseline	19858	1.049	BL			
0K17043-CCV4	1118485	25.359				
0K17043-CCB4	30232	1.279				
Read Baseline	13406	0.905	BL			
0110450-BLK1	-18299	0.201				
0110450-BS1	881371	20.127				
Read Baseline	9097	0.810	BL			
A0K0346-32@20	171748	4.420				
0110450-MS1@20	137898	3.669				
0110450-MSD1@20	210051	5.269				
Read Baseline	8310	0.792	BL			
A0K0346-33@20	608072	14.086				
A0K0346-34@20	1362171	30.728				
A0K0346-35	721476	16.594				
Read Baseline	12786	0.891	BL			
A0K0346-36	249516	6.145				
A0K0346-37	142887	3.779				
Read Baseline	1802	0.648	BL			

NR. over diluted

E (possible matrix Int.)

NR. over diluted
→ Ran exceeding 10 samples/cer

WO 11/19/20

NR. over diluted

NR. " → See RE1 @ 10X on Seq. OK19052 WO 11/19/20

WO 11/19/20

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TOTAL CN 50ppb

Name	Response	Calc [ppb]	Flags	Mean Response	Mean Calc [ppb]	RSD
0K17043-CCV5	1023282	23.259				
0K17043-CCB5	1581	0.643				
Read Baseline	-2616	0.549	BL			
A0K0346-38	4006	0.696				
A0K0363-07@20	144557	3.817	NR			
A0K0363-08	513084	11.984				
Read Baseline	3883	0.694	BL			
A0K0363-09	400336	9.487				
A0K0363-10	204660	5.150				
0110450-MS2	806085	18.464				
Read Baseline	4920	0.717	BL			
0110450-MSD2	681688	15.714				
A0K0363-11	260094	6.379				
Read Baseline	26966	1.206	BL			
A0K0363-12	34581	1.375				
A0K0363-13	95319	2.724				
Read Baseline	4167	0.700	BL			
0K17043-CCV6	1095467	24.851				
0K17043-CCB6	6525	0.752				
Read Baseline	6288	0.747	BL			
A0K0363-14	12961	0.895				
A0K0363-19@20	366293	8.733	NR			
A0K0363-20@20	532379	12.411				
Read Baseline	5177	0.723	BL			
A0K0363-21@20	880338	20.104				
A0K0363-22@2	1014107	23.057				
A0K0363-23	132842	3.557				
Read Baseline	13708	0.912	BL			
A0K0346-32RE1@5	857417	19.598				
0110450-MS3@5	743907	17.090				
Read Baseline	9322	0.815	BL			
0110450-MSD3@5	932839	21.263				
A0K0363-07RE1@2	1638759	36.812				
Read Baseline	11154	0.855	BL			
0K17043-CCV7	1098676	24.922				
0K17043-CCB7	3611	0.688				
Read Baseline	-847	0.589	BL			

over diluted.
MO 11/19/20

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TOTAL CN 50ppb

Name	Response	Calc [ppb]	Flags	Mean Response	Mean Calc [ppb]	RSD
A0K0363-19RE1@5	1369773	30.895				
A0K0363-20RE1@10	1101359	24.981				
Read Baseline	9474	0.818	BL			
0110509-BLK1	6049	0.742				
0110509-BS1	983437	22.380				
Read Baseline	26585	1.198	BL			
A0K0363-24	58733	1.912				
A0K0363-25	36022	1.407				
0110509-MS1	221472	5.523				
Read Baseline	9649	0.822	BL			
0110509-MSD1	197163	4.984				
A0K0363-26	16274	0.969				
A0K0363-27	19033	1.030				
Read Baseline	-7114	0.450	BL			
0K17043-CCV8	1141511	25.867				
0K17043-CCB8	-2581	0.550				
Read Baseline	-3173	0.537	BL			
A0K0363-28	-19922	0.165				
A0K0363-33@5	938715	21.393				
A0K0363-34@5	6897986	150.423	HI			
Read Baseline	22975	1.118	BL			
A0K0363-35	375298	8.933	FL			
A0K0363-36@2	869426	19.863				
A0K0363-37	58862	1.915				
Read Baseline	4026	0.697	BL			
A0K0363-38	20428	1.061				
A0K0363-39	46653	1.644				
Read Baseline	-1364	0.577	BL			
A0K0363-40	20735	1.068				
A0K0477-06@5	430870	10.164				
Read Baseline	7490	0.774	BL			
0K17043-CCV9	1119229	25.375				
0K17043-CCB9	1349	0.637				
Read Baseline	-1381	0.577	BL			
0110509-MS2@5	589052	13.665				
0110509-MSD2@5	497587	11.641				
A0K0477-07	727152	16.719				

-NR. Need dilution

—NR

Overdiluted

↳ NR

WO 11/19/20

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TOTAL CN 50ppb

Name	Response	Calc [ppb]	Flags	Mean Response	Mean Calc [ppb]	RSD
Read Baseline	13575	0.909	BL			
A0K0477-08	528832	12.332				
A0K0477-09	109983	3.049				
A0K0477-10	14350	0.926				
Read Baseline	8225	0.790	BL			
A0K0477-11	36925	1.427				
A0K0363-34RE1@20	1977518	44.248				
A0K0477-06RE1@2	1114550	25.272				
Read Baseline	-4868	0.499	BL			
0110509-MS3@2	1435248	32.337	* NR. Ran over 10 samples CCV. See Re-run on Seq. D1KBUH7 on 11/18/20			
Read Baseline	19581	1.042	BL			
0K17043-CCVA	1175581	26.618				
0K17043-CCBA	24649	1.155				
Read Baseline	294	0.614	BL			
0110509-MSD3@2	1207913	27.330				
Read Baseline	12747	0.891	BL			
0110510-BLK1	-45198	-0.396	LO			
0110510-BS1	943026	21.488				
Read Baseline	-6609	0.461	BL			
A0K0477-13	-7397	0.443				
0110510-MS1	271353	6.629				
0110510-MSD1	204085	5.137				
Read Baseline	4510	0.708	BL			
A0K0477-18@20	71848	2.203	NR. over diluted			
A0K0477-19@20	303362	7.338				
A0K0477-20@20	388729	9.230				
Read Baseline	576	0.620	BL			
A0K0477-21@10	3446534	76.307	HI NR over range			11/16/20
A0K0477-22@10	1331197	30.046	FL			
Read Baseline	4968	0.718	BL			
A0K0477-23@10	1081119	24.535				
A0K0477-24@10	206777	5.197	NR over diluted			
Read Baseline	-1280	0.579	BL			
0K17043-CCVB	1111353	25.202				
0K17043-CCBB	-13369	0.311				
Read Baseline	-6042	0.473	BL			
A0K0477-25@5	-49914	-0.501	LO -NR ~~Need~~ dil mo 11/19/20			

RE1 on 11/18/2020

on 11/18/2020

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TOTAL CN 50ppb

Name	Response	Calc [ppb]	Flags	Mean Response	Mean Calc [ppb]	RSD
A0K0477-26@5	-117766	-2.009	LO			
A0K0477-31@5	13192226	281.225	HI			
Read Baseline	35027	1.385	BL			
A0K0477-32@5	8063614	175.071	HI			
A0K0477-33	2266682	50.583	FL			
A0K0477-34	215309	5.386	FL			
Read Baseline	6907	0.761	BL			
A0K0477-35	12800	0.892				
0110510-MS2	476277	11.169				
Read Baseline	1288	0.636	BL			
0110510-MSD2	451076	10.611				
A0K0477-36	-3722	0.525				
Read Baseline	4582	0.709	BL			
0K17043-CCVC	1138705	25.805				
0K17043-CCBC	14307	0.925				
Read Baseline	2546	0.664	BL			
A0K0477-37	16644	0.977				
A0K0477-38	114548	3.151				
A0K0482-07@2	1289474	29.127				
Read Baseline	12000	0.874	BL			
A0K0482-08	72420	2.216				
A0K0477-22RE1@10	1275264	28.814				
Read Baseline	5752	0.735	BL			
A0K0477-23RE1@10	1074352	24.386				
A0K0477-24RE1@2	958212	21.823				
Read Baseline	13201	0.901	BL			
A0K0477-18RE1@2	706775	16.269				
A0K0477-19RE1@5	1200568	27.168				
A0K0477-20RE1@5	1450182	32.665				
Read Baseline	4892	0.716	BL			
0K17043-CCVD	1095520	24.853				
0K17043-CCBD	-12354	0.333				
Read Baseline	6806	0.759	BL			
A0K0477-21RE1@20	1919985	42.986				
A0K0477-25RE1	262634	6.435				
Read Baseline	-8206	0.425	BL			
A0K0477-26RE1	168484	4.347				

WR over diluted

WR. Need dilution

WO 11/19/20

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TOTAL CN 50ppb

Name	Response	Calc [ppb]	Flags	Mean Response	Mean Calc [ppb]	RSD
A0K0477-31RE1@50	1652482	37.113				
Read Baseline	3494	0.685	BL			
A0K0477-32RE1@25	2001567	44.776				
A0K0477-33RE1@2	1127897	25.567				
Read Baseline	3690	0.689	BL			
0K17043-CCVE	1090360	24.739				
0K17043-CCBE	-2974	0.541				
Read Baseline	16251	0.968	BL			

Run Results Report

Apex Laboratories OIA FS3000-2

Operator Name	WVO
Operator ID	WVO
Platform	FS III/IV/3100
Software Rev Code	234
Data system ID	57
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Sample table path	C:\FLOW_4\totcn50.tbl
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Date acquired	17-Nov-20
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Date	Time	Cup	Name
17-Nov-20	10:01	106	Sync 25 ppb
17-Nov-20	10:03	106	Sync 25 ppb
17-Nov-20	10:05	106	Sync 25 ppb (Statistics)
17-Nov-20	10:07	0	Carryover
17-Nov-20	10:09	0	Read Baseline
17-Nov-20	10:11	101	Cal 0.0 ppb
17-Nov-20	10:13	102	Cal 1.0 ppb
17-Nov-20	10:15	103	Cal 2.0 ppb
17-Nov-20	10:17	104	Cal 5.0 ppb
17-Nov-20	10:19	105	Cal 10.0 ppb
17-Nov-20	10:21	106	Cal 25.0 ppb
17-Nov-20	10:23	107	Cal 50.0 ppb
17-Nov-20	10:25	0	Read Baseline
17-Nov-20	10:27	108	0K17043-ICV1
17-Nov-20	10:29	0	0K17043-ICB1
17-Nov-20	10:31	0	Read Baseline
17-Nov-20	10:33	109	0110414-BS2
17-Nov-20	10:35	110	0110414-BLK1
17-Nov-20	10:37	111	0110414-BS1
17-Nov-20	10:39	0	Read Baseline
17-Nov-20	10:41	112	A0K0339-12
17-Nov-20	10:43	113	0110414-MS1
17-Nov-20	10:45	114	0110414-MSD1
17-Nov-20	10:47	0	Read Baseline
17-Nov-20	10:49	115	A0K0339-13
17-Nov-20	10:51	116	A0K0339-14

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Date	Time	Cup	Name
17-Nov-20	10:53	0	Read Baseline
17-Nov-20	10:55	117	A0K0346-05@20
17-Nov-20	10:57	118	A0K0346-06
17-Nov-20	10:59	0	Read Baseline
17-Nov-20	11:01	106	0K17043-CCV1
17-Nov-20	11:03	0	0K17043-CCB1
17-Nov-20	11:05	0	Read Baseline
17-Nov-20	11:07	119	A0K0346-07
17-Nov-20	11:09	120	A0K0346-08
17-Nov-20	11:11	121	0110414-MS2
17-Nov-20	11:13	0	Read Baseline
17-Nov-20	11:15	122	0110414-MSD2
17-Nov-20	11:17	123	A0K0346-09
17-Nov-20	11:19	0	Read Baseline
17-Nov-20	11:21	124	A0K0346-10
17-Nov-20	11:23	125	A0K0346-11
17-Nov-20	11:25	126	A0K0346-12
17-Nov-20	11:27	0	Read Baseline
17-Nov-20	11:29	127	A0K0346-19@10
17-Nov-20	11:31	128	A0K0346-20
17-Nov-20	11:33	0	Read Baseline
17-Nov-20	11:35	106	0K17043-CCV2
17-Nov-20	11:37	0	0K17043-CCB2
17-Nov-20	11:39	0	Read Baseline
17-Nov-20	11:41	129	A0K0346-21@2
17-Nov-20	11:43	130	A0K0346-22
17-Nov-20	11:45	131	A0K0346-23
17-Nov-20	11:47	0	Read Baseline
17-Nov-20	11:49	132	A0K0346-24
17-Nov-20	11:51	133	A0K0346-25
17-Nov-20	11:53	0	Read Baseline
17-Nov-20	11:55	134	A0K0346-26
17-Nov-20	11:57	135	A0K0346-27
17-Nov-20	12:10	0	Read Baseline
17-Nov-20	12:12	117	A0K0346-05RE1@5
17-Nov-20	12:14	127	A0K0346-19RE1
17-Nov-20	12:16	129	A0K0346-21RE1

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Date	Time	Cup	Name
17-Nov-20	12:18	0	Read Baseline
17-Nov-20	12:20	106	0K17043-CCV3
17-Nov-20	12:22	0	0K17043-CCB3
17-Nov-20	12:24	0	Read Baseline
17-Nov-20	12:26	136	0110599-BLK1
17-Nov-20	12:28	137	0110599-BS1
17-Nov-20	12:30	0	Read Baseline
17-Nov-20	12:32	138	A0K0584-01@1000
17-Nov-20	12:34	139	0110599-MS1@1000
17-Nov-20	12:36	140	0110599-MSD1@1000
17-Nov-20	12:38	0	Read Baseline
17-Nov-20	12:52	138	A0K0584-01RE1@100
17-Nov-20	12:54	139	0110599-MS2@100
17-Nov-20	12:56	140	0110599-MSD2@100
17-Nov-20	12:58	0	Read Baseline
17-Nov-20	13:11	138	A0K0584-01RE2@200
17-Nov-20	13:13	139	0110599-MS3@200
17-Nov-20	13:15	140	0110599-MSD3@200
17-Nov-20	13:17	0	Read Baseline
17-Nov-20	13:30	0	Read Baseline
17-Nov-20	13:32	106	0K17043-CCV4
17-Nov-20	13:34	0	0K17043-CCB4
17-Nov-20	13:36	0	Read Baseline
17-Nov-20	13:38	141	0110450-BLK1
17-Nov-20	13:40	142	0110450-BS1
17-Nov-20	13:42	0	Read Baseline
17-Nov-20	13:44	143	A0K0346-32@20
17-Nov-20	13:46	144	0110450-MS1@20
17-Nov-20	13:48	145	0110450-MSD1@20
17-Nov-20	13:50	0	Read Baseline
17-Nov-20	13:52	146	A0K0346-33@20
17-Nov-20	13:54	147	A0K0346-34@20
17-Nov-20	13:56	148	A0K0346-35
17-Nov-20	13:58	0	Read Baseline
17-Nov-20	14:00	149	A0K0346-36
17-Nov-20	14:02	150	A0K0346-37
17-Nov-20	14:04	0	Read Baseline

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Date	Time	Cup	Name
17-Nov-20	14:06	106	0K17043-CCV5
17-Nov-20	14:08	0	0K17043-CCB5
17-Nov-20	14:10	0	Read Baseline
17-Nov-20	14:12	151	A0K0346-38
17-Nov-20	14:14	152	A0K0363-07@20
17-Nov-20	14:16	153	A0K0363-08
17-Nov-20	14:18	0	Read Baseline
17-Nov-20	14:20	154	A0K0363-09
17-Nov-20	14:22	155	A0K0363-10
17-Nov-20	14:24	156	0110450-MS2
17-Nov-20	14:26	0	Read Baseline
17-Nov-20	14:28	157	0110450-MSD2
17-Nov-20	14:30	158	A0K0363-11
17-Nov-20	14:32	0	Read Baseline
17-Nov-20	14:34	159	A0K0363-12
17-Nov-20	14:36	160	A0K0363-13
17-Nov-20	14:38	0	Read Baseline
17-Nov-20	14:40	106	0K17043-CCV6
17-Nov-20	14:42	0	0K17043-CCB6
17-Nov-20	14:44	0	Read Baseline
17-Nov-20	14:46	201	A0K0363-14
17-Nov-20	14:48	202	A0K0363-19@20
17-Nov-20	14:50	203	A0K0363-20@20
17-Nov-20	14:52	0	Read Baseline
17-Nov-20	14:54	204	A0K0363-21@20
17-Nov-20	14:56	205	A0K0363-22@2
17-Nov-20	14:58	206	A0K0363-23
17-Nov-20	15:00	0	Read Baseline
17-Nov-20	15:13	143	A0K0346-32RE1@5
17-Nov-20	15:15	144	0110450-MS3@5
17-Nov-20	15:17	0	Read Baseline
17-Nov-20	15:19	145	0110450-MSD3@5
17-Nov-20	15:21	152	A0K0363-07RE1@2
17-Nov-20	15:23	0	Read Baseline
17-Nov-20	15:25	106	0K17043-CCV7
17-Nov-20	15:27	0	0K17043-CCB7
17-Nov-20	15:29	0	Read Baseline

Result path	C:\FLOW_4\0K17043.RST
Sample table path	C:\FLOW_4\totcn50.tbl
Method path	C:\FLOW_4\totcn50.mth
Date acquired	17-Nov-20
Time acquired	20:26

Date	Time	Cup	Name
17-Nov-20	15:31	202	A0K0363-19RE1@5
17-Nov-20	15:33	203	A0K0363-20RE1@10
17-Nov-20	15:35	0	Read Baseline
17-Nov-20	15:49	207	0110509-BLK1
17-Nov-20	15:51	208	0110509-BS1
17-Nov-20	15:53	0	Read Baseline
17-Nov-20	15:55	209	A0K0363-24
17-Nov-20	15:57	210	A0K0363-25
17-Nov-20	15:59	211	0110509-MS1
17-Nov-20	16:01	0	Read Baseline
17-Nov-20	16:03	212	0110509-MSD1
17-Nov-20	16:05	213	A0K0363-26
17-Nov-20	16:07	214	A0K0363-27
17-Nov-20	16:09	0	Read Baseline
17-Nov-20	16:11	106	0K17043-CCV8
17-Nov-20	16:13	0	0K17043-CCB8
17-Nov-20	16:15	0	Read Baseline
17-Nov-20	16:17	215	A0K0363-28
17-Nov-20	16:19	216	A0K0363-33@5
17-Nov-20	16:21	217	A0K0363-34@5
17-Nov-20	16:23	0	Read Baseline
17-Nov-20	16:25	218	A0K0363-35
17-Nov-20	16:27	219	A0K0363-36@2
17-Nov-20	16:29	220	A0K0363-37
17-Nov-20	16:31	0	Read Baseline
17-Nov-20	16:33	221	A0K0363-38
17-Nov-20	16:35	222	A0K0363-39
17-Nov-20	16:37	0	Read Baseline
17-Nov-20	16:39	223	A0K0363-40
17-Nov-20	16:41	224	A0K0477-06@5
17-Nov-20	16:43	0	Read Baseline
17-Nov-20	16:45	106	0K17043-CCV9
17-Nov-20	16:47	0	0K17043-CCB9
17-Nov-20	16:49	0	Read Baseline
17-Nov-20	16:51	225	0110509-MS2@5
17-Nov-20	16:53	226	0110509-MSD2@5
17-Nov-20	16:55	227	A0K0477-07

Result path	C:\FLOW_4\0K17043.RST
Sample table path	C:\FLOW_4\totcn50.tbl
Method path	C:\FLOW_4\totcn50.mth
Date acquired	17-Nov-20
Time acquired	20:26

Date	Time	Cup	Name
17-Nov-20	16:57	0	Read Baseline
17-Nov-20	16:59	228	A0K0477-08
17-Nov-20	17:01	229	A0K0477-09
17-Nov-20	17:03	230	A0K0477-10
17-Nov-20	17:05	0	Read Baseline
17-Nov-20	17:07	231	A0K0477-11
17-Nov-20	17:20	217	A0K0363-34RE1@20
17-Nov-20	17:22	224	A0K0477-06RE1@2
17-Nov-20	17:24	0	Read Baseline
17-Nov-20	17:26	225	0110509-MS3@2
17-Nov-20	17:28	0	Read Baseline
17-Nov-20	17:42	106	0K17043-CCVA
17-Nov-20	17:44	0	0K17043-CCBA
17-Nov-20	17:46	0	Read Baseline
17-Nov-20	17:48	226	0110509-MSD3@2
17-Nov-20	17:50	0	Read Baseline
17-Nov-20	17:52	233	0110510-BLK1
17-Nov-20	17:54	234	0110510-BS1
17-Nov-20	17:56	0	Read Baseline
17-Nov-20	17:58	235	A0K0477-13
17-Nov-20	18:00	236	0110510-MS1
17-Nov-20	18:02	237	0110510-MSD1
17-Nov-20	18:04	0	Read Baseline
17-Nov-20	18:06	238	A0K0477-18@20
17-Nov-20	18:08	239	A0K0477-19@20
17-Nov-20	18:10	240	A0K0477-20@20
17-Nov-20	18:12	0	Read Baseline
17-Nov-20	18:14	241	A0K0477-21@10
17-Nov-20	18:16	242	A0K0477-22@10
17-Nov-20	18:18	0	Read Baseline
17-Nov-20	18:20	243	A0K0477-23@10
17-Nov-20	18:22	244	A0K0477-24@10
17-Nov-20	18:24	0	Read Baseline
17-Nov-20	18:26	106	0K17043-CCVB
17-Nov-20	18:28	0	0K17043-CCBB
17-Nov-20	18:30	0	Read Baseline
17-Nov-20	18:32	245	A0K0477-25@5

Result path	C:\FLOW_4\0K17043.RST
Sample table path	C:\FLOW_4\totcn50.tbl
Method path	C:\FLOW_4\totcn50.mth
Date acquired	17-Nov-20
Time acquired	20:26

Date	Time	Cup	Name
17-Nov-20	18:34	246	A0K0477-26@5
17-Nov-20	18:36	247	A0K0477-31@5
17-Nov-20	18:38	0	Read Baseline
17-Nov-20	18:40	248	A0K0477-32@5
17-Nov-20	18:42	249	A0K0477-33
17-Nov-20	18:44	250	A0K0477-34
17-Nov-20	18:46	0	Read Baseline
17-Nov-20	18:48	251	A0K0477-35
17-Nov-20	18:50	252	0110510-MS2
17-Nov-20	18:52	0	Read Baseline
17-Nov-20	18:54	253	0110510-MSD2
17-Nov-20	18:56	254	A0K0477-36
17-Nov-20	18:58	0	Read Baseline
17-Nov-20	19:00	106	0K17043-CCVC
17-Nov-20	19:02	0	0K17043-CCBC
17-Nov-20	19:04	0	Read Baseline
17-Nov-20	19:06	255	A0K0477-37
17-Nov-20	19:08	256	A0K0477-38
17-Nov-20	19:10	257	A0K0482-07@2
17-Nov-20	19:12	0	Read Baseline
17-Nov-20	19:14	258	A0K0482-08
17-Nov-20	19:27	242	A0K0477-22RE1@10
17-Nov-20	19:29	0	Read Baseline
17-Nov-20	19:31	243	A0K0477-23RE1@10
17-Nov-20	19:33	244	A0K0477-24RE1@2
17-Nov-20	19:35	0	Read Baseline
17-Nov-20	19:37	238	A0K0477-18RE1@2
17-Nov-20	19:39	239	A0K0477-19RE1@5
17-Nov-20	19:41	240	A0K0477-20RE1@5
17-Nov-20	19:43	0	Read Baseline
17-Nov-20	19:45	106	0K17043-CCVD
17-Nov-20	19:47	0	0K17043-CCBD
17-Nov-20	19:49	0	Read Baseline
17-Nov-20	19:51	241	A0K0477-21RE1@20
17-Nov-20	19:53	245	A0K0477-25RE1
17-Nov-20	19:55	0	Read Baseline
17-Nov-20	19:57	246	A0K0477-26RE1

Result path	C:\FLOW_4\0K17043.RST
Sample table path	C:\FLOW_4\totcn50.tbl
Method path	C:\FLOW_4\totcn50.mth
Date acquired	17-Nov-20
Time acquired	20:26

Date	Time	Cup	Name
17-Nov-20	19:59	247	A0K0477-31RE1@50
17-Nov-20	20:01	0	Read Baseline
17-Nov-20	20:03	248	A0K0477-32RE1@25
17-Nov-20	20:05	249	A0K0477-33RE1@2
17-Nov-20	20:07	0	Read Baseline
17-Nov-20	20:09	106	0K17043-CCVE
17-Nov-20	20:11	0	0K17043-CCBE
17-Nov-20	20:13	0	Read Baseline

TOTAL CN 50ppb:Calibration 1: Peak 6-256

File name: C:\FLOW_4\0K17043.RST
Date: 17-Nov-20
Operator: WVO

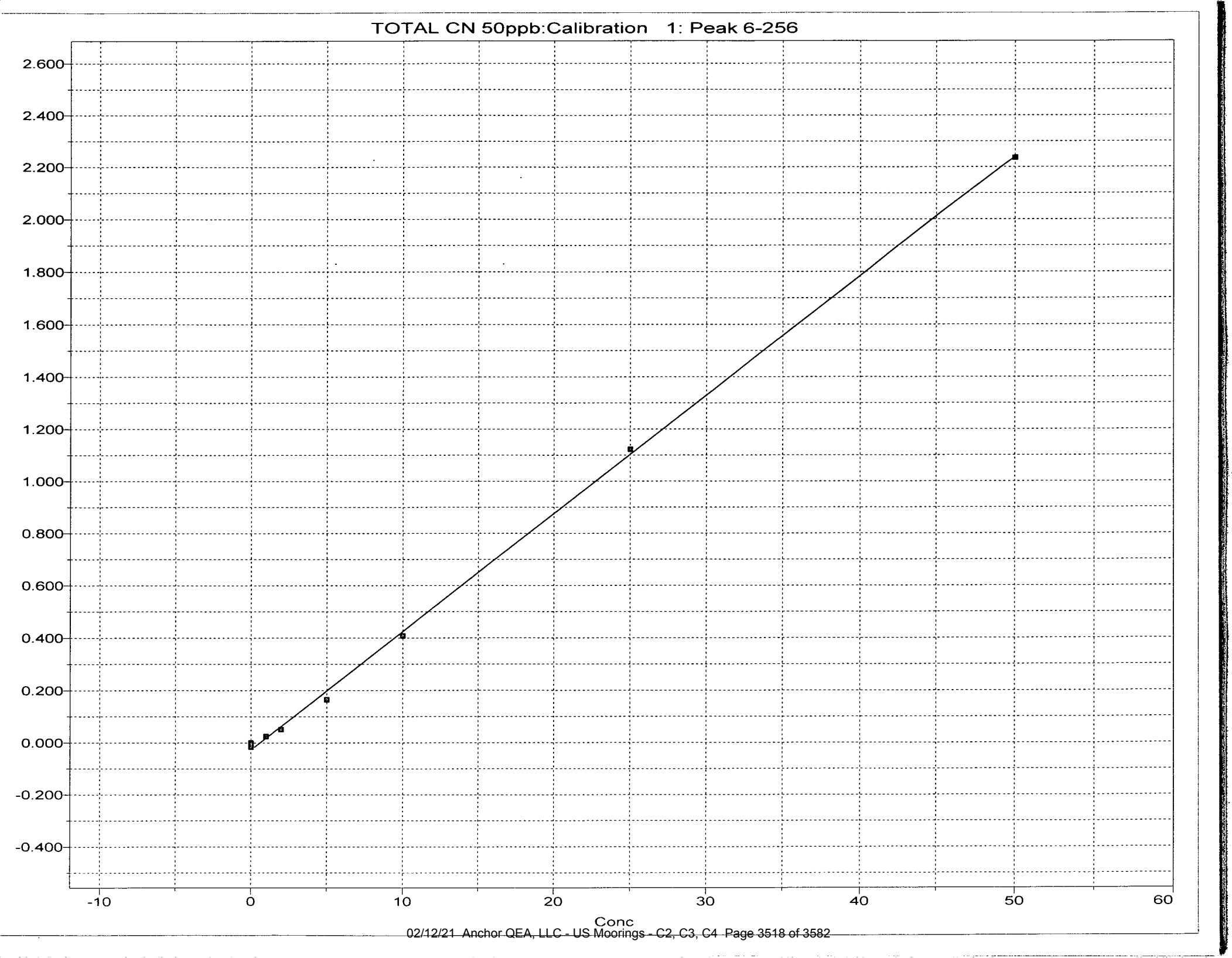
*	Name	Conc	Area
*	Cal 0.0 ppb	0.000000	-16200.686523
*	Cal 1.0 ppb	1.000000	24488.138672
*	Cal 2.0 ppb	2.000000	50848.402344
*	Cal 5.0 ppb	5.000000	164708.390625
*	Cal 10.0 ppb	10.000000	407918.312500
*	Cal 25.0 ppb	25.000000	1121739.875000
*	Cal 50.0 ppb	50.000000	2235796.750000

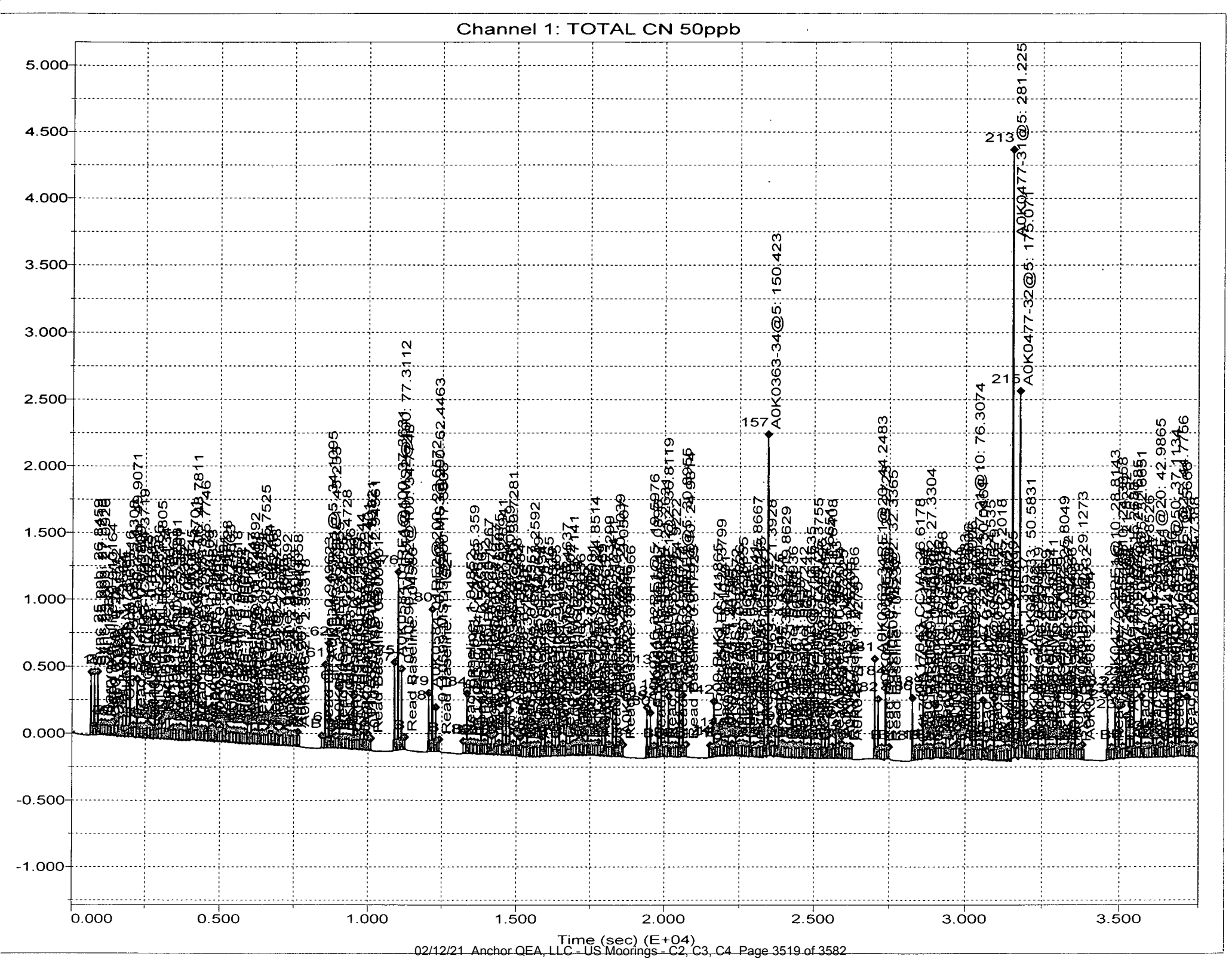
Calib Coef:
x=cyy+by+a
a: (intercept) 6.0753e-01
b: 2.2209e-05
c: -7.1066e-14

Corr Coef: 0.999683

Carryover: n/a

No Drift Peaks


TOTAL CN 50ppb:Calibration 1: Peak 6-256
2.600
2.400
2.200
2.000
1.800
1.600
1.400
1.200
1.000
0.800
0.600
0.400
0.200
0.000
-0.200
-0.400
-10
0
10
20
30
40
50
60
Conc


Channel 1: TOTAL CN 50ppb
5.000
4.500
4.000
3.500
3.000
2.500
2.000
1.500
1.000
0.500
0.000
-0.500
-1.000
0.000
0.500
1.000
1.500
2.000
2.500
3.000
3.500
Time (sec) (E+04)
213
A0K0477-31@5: 281.225
215
A0K0477-32@5: 175.071
157
A0K0363-34@5: 150.423

Soluble Cyanide by UV Digestion/Gas Diffusion/Amperometric Detection Benchsheet & Analysis Sequence Data (Including Calibration)

Sequence 0K18047 (QC Only)

APEX LABORATORIES

ELEMENT SEQUENCE LOG

Apex Laboratories

FEB 0 3 2021

SCANNED

Sequence: **0K18047** Instrument: **OIA FS3000-2**

Date: **11/18/20 10:15** Calibration: **A1B0207**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0K18047-CAL1	Soil	QC	QC				
2	0K18047-CAL2	Soil	QC	QC				A20H332
3	0K18047-CAL3	Soil	QC	QC				A20H328
4	0K18047-CAL4	Soil	QC	QC				A20H327
5	0K18047-CAL5	Soil	QC	QC				A20H325
6	0K18047-CAL6	Soil	QC	QC				A20H323
7	0K18047-CAL7	Soil	QC	QC				A20H321
8	0K18047-ICV1	Soil	QC	QC				A20K289
9	0K18047-ICB1	Soil	QC	QC				
10	0110510-BS3	Soil	QC	QC		0110510		
11	0110510-BLK2	Soil	QC	QC		0110510		
12	0110510-BS2	Soil	QC	QC		0110510		
13	0110509-MS4	Soil	QC	QC		0110509		
14	0110509-MSD4	Soil	QC	QC		0110509		
15	A0K0477-13RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/23/20	0110510		
16	0110510-MS3	Soil	QC	QC		0110510		
17	0110510-MSD3	Soil	QC	QC		0110510		
18	0K18047-CCV1	Soil	QC	QC				A20H323
19	0K18047-CCB1	Soil	QC	QC				
20	A0K0477-12	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/23/20	0110509		
21	0K18047-CCV2	Soil	QC	QC				A20H323
22	0K18047-CCB2	Soil	QC	QC				
23	0K18047-CCV3	Soil	QC	QC				A20H323
24	0K18047-CCB3	Soil	QC	QC				
25	A0K0477-12RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/23/20	0110509		
26	0K18047-CCV4	Soil	QC	QC				A20H323
27	0K18047-CCB4	Soil	QC	QC				

Data Entered By/Date: JKP 2-3-21

Data Reviewed By/Date: [illegible] 2/3/2021

Comments:

APEX LABORATORIES

ELEMENT SEQUENCE LOG

Apex Laboratories

NOV 2 5 2020

Sequence: 0K18047 — Instrument: OIA FS3000-2

Date: 11/18/20 10:15 Calibration: A0K1702 —

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0K18047-CAL1	Soil	QC	QC				
2	0K18047-CAL2	Soil	QC	QC				A20H332 —
3	0K18047-CAL3	Soil	QC	QC				A20H328 —
4	0K18047-CAL4	Soil	QC	QC				A20H327 —
5	0K18047-CAL5	Soil	QC	QC				A20H325 —
6	0K18047-CAL6	Soil	QC	QC				A20H323 —
7	0K18047-CAL7	Soil	QC	QC				A20H321 —
8	0K18047-ICV1	Soil	QC	QC				A20K289 —
9	0K18047-ICB1	Soil	QC	QC				
10	0110510-BS3	Soil	QC	QC		0110510		
11	0110510-BLK2	Soil	QC	QC		0110510		
12	0110510-BS2	Soil	QC	QC		0110510		
13	0110509-MS4	Soil	QC	QC		0110509		
14	0110509-MSD4	Soil	QC	QC		0110509		
15	A0K0477-13RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/23/20	0110510		
16	0110510-MS3	Soil	QC	QC		0110510		
17	0110510-MSD3	Soil	QC	QC		0110510		
18	0K18047-CCV1	Soil	QC	QC				A20H323 —
19	0K18047-CCB1	Soil	QC	QC				
20	A0K0477-12	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/23/20	0110509		
21	0K18047-CCV2	Soil	QC	QC				A20H323 —
22	0K18047-CCB2	Soil	QC	QC				
23	0K18047-CCV3	Soil	QC	QC				A20H323 —
24	0K18047-CCB3	Soil	QC	QC				
25	A0K0477-12RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/23/20	0110509		
26	0K18047-CCV4	Soil	QC	QC				A20H323 —
27	0K18047-CCB4	Soil	QC	QC				

Comments:

Data Entered By/Date: JKP 11-19-20

Data Reviewed By/Date: [illegible] 11/19/2020

Run Results Report

Apex Laboratories OIA FS3000-2

Operator Name	wvo
Operator ID	wvo
Platform	FS III/IV/3100
Software Rev Code	234
Data system ID	57
Result path	C:\FLOW_4\0K18047A.RST
Sample table path	C:\FLOW_4\totcn50.tbl
Method path	C:\FLOW_4\totcn50.mth
Date acquired	18-Nov-20
Time acquired	12:50

TOTAL CN 50ppb

Name	Response	Calc [ppb]	Flags	Mean Response	Mean Calc [ppb]	RSD
Sync 25 ppb	1104992	25.671				
Sync 25 ppb	1131379	26.252				
Sync 25 ppb	1163660	26.961	OL			
(Statistics)				1118185	25.962	2.63%
Carryover	40079	1.714				
Read Baseline	20631	1.267	BL			
Cal 0.0 ppb	-22658	0.270				
Cal 1.0 ppb	6209	0.935				
Cal 2.0 ppb	37070	1.645				
Cal 5.0 ppb	160536	4.475				
Cal 10.0 ppb	382553	9.531				
Cal 25.0 ppb	1094564	25.442				
Cal 50.0 ppb	2232319	49.910				
Read Baseline	20631	1.267	BL			
0K18047-ICV1	1009776	23.571				
0K18047-ICB1	6663	0.945				
Read Baseline	-4079	0.698	BL			
0110510-BS3	51981	1.987				
0110510-BLK2	-30696	0.085				
0110510-BS2	946435	22.170				
Read Baseline	25173	1.371	BL			
0110509-MS4@2	1611468	36.704				
0110509-MSD4@2	1374481	31.571				
Read Baseline	18487	1.217	BL			
A0K0477-13RE1	20604	1.266				
0110510-MS3	161052	4.487				
0110510-MSD3	144494	4.108				

< 3% OK am 11/19/2020

JKP 11-18-20

Result path	C:\FLOW_4\0K18047A.RST
Sample table path	C:\FLOW_4\totcn50.tbl
Method path	C:\FLOW_4\totcn50.mth
Date acquired	18-Nov-20
Time acquired	12:50

TOTAL CN 50ppb

Name	Response	Calc [ppb]	Flags	Mean Response	Mean Calc [ppb]	RSD
Read Baseline	9498	1.011	BL			
Read Baseline	38784	1.684				
0K18047-CCV1	1123105	26.070	-			
0K18047-CCB1	45556	1.840	-			
Read Baseline	59125	2.151				
A0K0477-12 RE1	291357	7.460				
Read Baseline	92276	2.912				
0K18047-CCV2	1209160	27.959	-			
0K18047-CCB2	97326	3.028	-			
Read Baseline	82153	2.680				

CCV fails. Rerun in sequence 0K18047C
JKP 11-18-20

JKP
11-18-20

Run Results Report

Apex Laboratories OIA FS3000-2

Operator Name	wvo
Operator ID	wvo
Platform	FS III/IV/3100
Software Rev Code	234
Data system ID	57
Result path	C:\FLOW_4\0K18047A.RST
Sample table path	C:\FLOW_4\totcn50.tbl
Method path	C:\FLOW_4\totcn50.mth
Date acquired	18-Nov-20
Time acquired	12:50

Date	Time	Cup	Name
18-Nov-20	11:16	106	Sync 25 ppb
18-Nov-20	11:18	106	Sync 25 ppb
18-Nov-20	11:20	106	Sync 25 ppb (Statistics)
18-Nov-20	11:22	0	Carryover
18-Nov-20	11:24	0	Read Baseline
18-Nov-20	11:26	101	Cal 0.0 ppb
18-Nov-20	11:28	102	Cal 1.0 ppb
18-Nov-20	11:30	103	Cal 2.0 ppb
18-Nov-20	11:32	104	Cal 5.0 ppb
18-Nov-20	11:34	105	Cal 10.0 ppb
18-Nov-20	11:36	106	Cal 25.0 ppb
18-Nov-20	11:38	107	Cal 50.0 ppb
18-Nov-20	11:40	0	Read Baseline
18-Nov-20	11:42	108	0K18047-ICV1
18-Nov-20	11:44	0	0K18047-ICB1
18-Nov-20	11:46	0	Read Baseline
18-Nov-20	11:48	109	0110510-BS3
18-Nov-20	11:50	110	0110510-BLK2
18-Nov-20	11:52	111	0110510-BS2
18-Nov-20	11:54	0	Read Baseline
18-Nov-20	11:56	112	0110509-MS4@2
18-Nov-20	11:58	113	0110509-MSD4@2
18-Nov-20	12:00	0	Read Baseline
18-Nov-20	12:02	114	A0K0477-13RE1
18-Nov-20	12:04	115	0110510-MS3
18-Nov-20	12:06	116	0110510-MSD3

JKP 11-18-20

Result path	C:\FLOW_4\0K18047A.RST
Sample table path	C:\FLOW_4\totcn50.tbl
Method path	C:\FLOW_4\totcn50.mth
Date acquired	18-Nov-20
Time acquired	12:50

Date	Time	Cup	Name
18-Nov-20	12:08	0	Read Baseline
18-Nov-20	12:10	0	Read Baseline
18-Nov-20	12:12	106	0K18047-CCV1
18-Nov-20	12:14	0	0K18047-CCB1
18-Nov-20	12:16	0	Read Baseline
18-Nov-20	12:29	117	A0K0477-12
18-Nov-20	12:31	0	Read Baseline
18-Nov-20	12:33	106	0K18047-CCV2
18-Nov-20	12:35	0	0K18047-CCB2
18-Nov-20	12:37	0	Read Baseline

JKP
11-18-20

TOTAL CN 50ppb:Calibration 1: Peak 6-36

File name: C:\FLOW_4\0K18047A.RST
Date: 18-Nov-20
Operator: wvo

*	Name	Conc	Area
*	Cal 0.0 ppb	0.000000	-22657.990234
*	Cal 1.0 ppb	1.000000	6209.091309
*	Cal 2.0 ppb	2.000000	37070.023438
*	Cal 5.0 ppb	5.000000	160535.968750
*	Cal 10.0 ppb	10.000000	382553.281250
*	Cal 25.0 ppb	25.000000	1094564.000000
*	Cal 50.0 ppb	50.000000	2232319.250000

Calib Coef:
x=cyy+by+a

a: (intercept)	7.9198e-01
b:	2.3017e-05
c:	-4.5427e-13

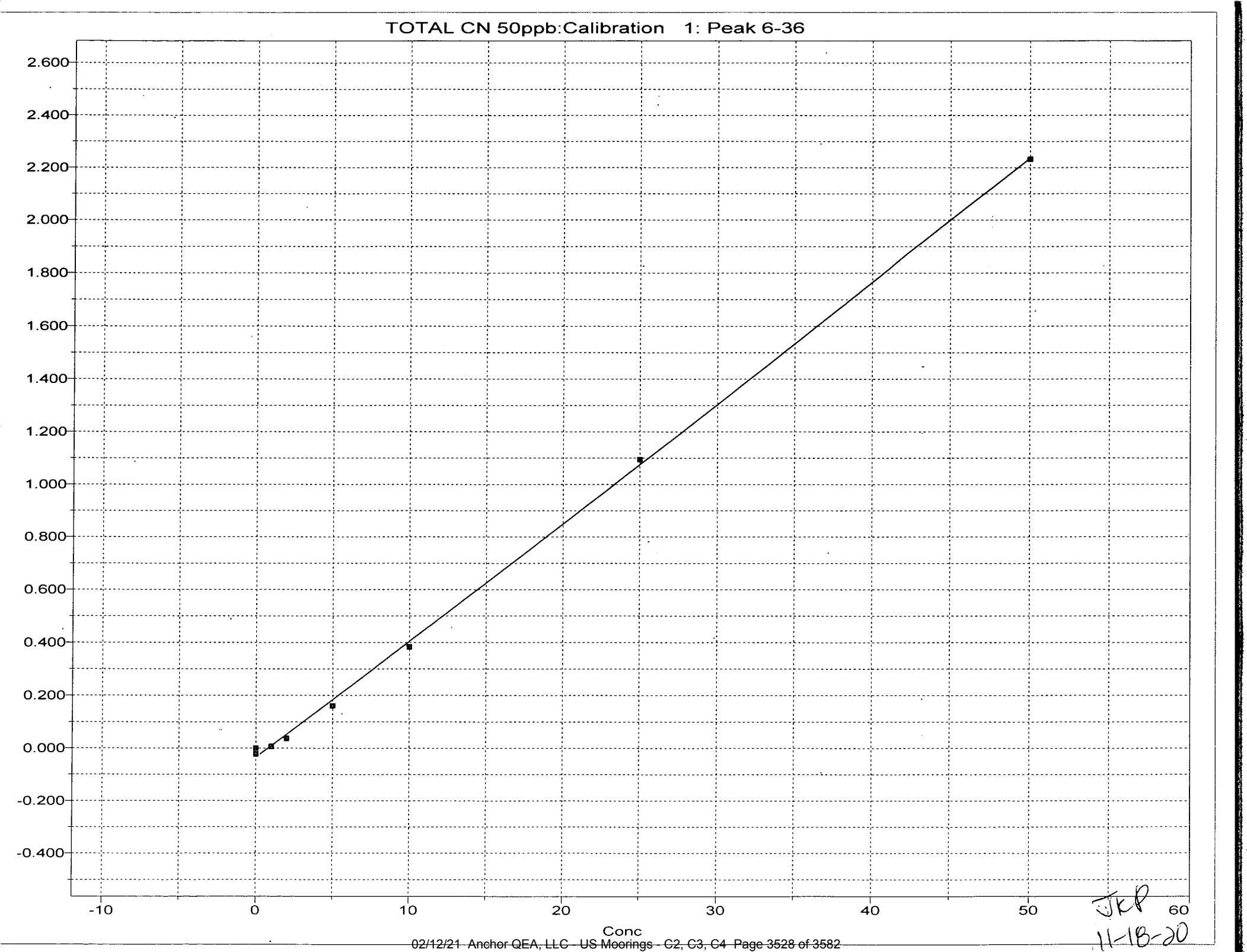
Corr Coef: 0.999648

Carryover: n/a

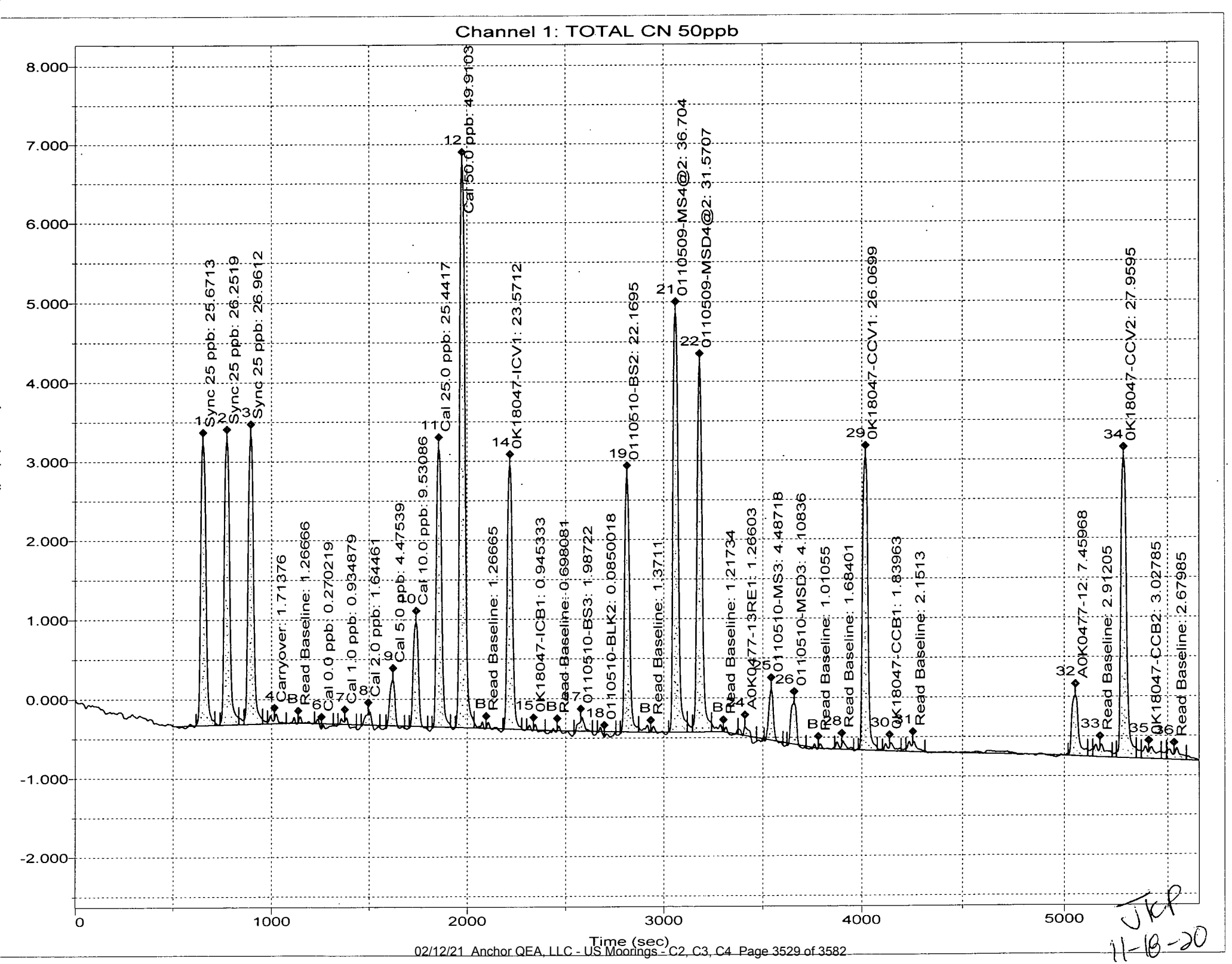
11/19/2020

No Drift Peaks

JKP


TOTAL CN 50ppb:Calibration 1: Peak 6-36
2.600
2.400
2.200
2.000
1.800
1.600
1.400
1.200
1.000
0.800
0.600
0.400
0.200
0.000
-0.200
-0.400
-10
0
10
20
30
40
50
60
Conc

JKP
11-18-20


Channel 1: TOTAL CN 50ppb
8.000
7.000
6.000
5.000
4.000
3.000
2.000
1.000
0.000
-1.000
-2.000
0
1000
2000
3000
4000
5000
Time (sec)
1 Sync 25 ppb: 25.6713
2 Sync 25 ppb: 26.2519
3 Sync 25 ppb: 26.9612
4 Carryover: 1.71376
B Read Baseline: 1.26666
6 Cal 0.0 ppb: 0.270219
7 Cal 1.0 ppb: 0.934879
8 Cal 2.0 ppb: 1.64461
9 Cal 5.0 ppb: 4.47539
10 Cal 10.0 ppb: 9.53086
11 Cal 25.0 ppb: 25.4417
12 Cal 50.0 ppb: 49.9103
B Read Baseline: 1.26665
14 0K18047-ICV1: 23.5712
15 0K18047-ICB1: 0.945333
B Read Baseline: 0.698081
17 0110510-BS3: 1.98722
18 0110510-BLK2: 0.0850918
19 0110510-BS2: 22.1695
B Read Baseline: 1.3711
21 0110509-MS4@2: 36.704
22 0110509-MSD4@2: 31.5707
B Read Baseline: 1.21734
24 A0K0477-13RE1: 1.26603
25 0110510-MS3: 4.48718
26 0110510-MSD3: 4.10836
B Read Baseline: 1.01055
28 Read Baseline: 1.68401
29 0K18047-CCV1: 26.0699
30 0K18047-CCB1: 1.83963
31 Read Baseline: 2.1513
32 A0K0477-12: 7.45968
33 Read Baseline: 2.91205
34 0K18047-CCV2: 27.9595
35 0K18047-CCB2: 3.02785
36 Read Baseline: 2.67985

JKP
11-18-20

Run Results Report

Apex Laboratories OIA FS3000-2

Operator Name	JKP
Operator ID	JKP
Platform	FS III/IV/3100
Software Rev Code	234
Data system ID	57
Result path	C:\FLOW_4\0K18047B.RST
Sample table path	C:\FLOW_4\totcn50.tbl
Method path	C:\FLOW_4\totcn50.mth
Date acquired	18-Nov-20
Time acquired	14:36

Saved as 0K18047C
JKP 11-18-20

	TOTAL CN 50ppb					
Name	Response	Calc [ppb]	Flags	Mean Response	Mean Calc [ppb]	RSD
Sync 25 ppb	1132577	26.278				
Sync 25 ppb	1131285	26.250				
Sync 25 ppb	1136976	26.375				
(Statistics)				1133613	26.301	.263%
Read Baseline	10422	1.032	BL			
0K18047-CCV3	1089459	25.329				
0K18047-CCB3	-11508	0.527				
Read Baseline	8745	0.993	BL			
A0K0477-12	154094	4.328				
Read Baseline	18335	1.214	BL			
0K18047-CCV4	1066076	24.814				
0K18047-CCB4	42747	1.775				
Read Baseline	57672	2.118				

< 3% OK
11/19/2020

JKP 11-18-20

Run Results Report

Apex Laboratories OIA FS3000-2

Operator Name	JKP
Operator ID	JKP
Platform	FS III/IV/3100
Software Rev Code	234
Data system ID	57
Result path	C:\FLOW_4\0K18047B.RST
Sample table path	C:\FLOW_4\totcn50.tbl
Method path	C:\FLOW_4\totcn50.mth
Date acquired	18-Nov-20
Time acquired	14:36

Date	Time	Cup	Name
18-Nov-20	14:01	106	Sync 25 ppb
18-Nov-20	14:03	106	Sync 25 ppb
18-Nov-20	14:05	106	Sync 25 ppb (Statistics)
18-Nov-20	14:07	0	Read Baseline
18-Nov-20	14:09	106	0K18047-CCV3
18-Nov-20	14:11	0	0K18047-CCB3
18-Nov-20	14:13	0	Read Baseline
18-Nov-20	14:15	117	A0K0477-12
18-Nov-20	14:17	0	Read Baseline
18-Nov-20	14:19	106	0K18047-CCV4
18-Nov-20	14:21	0	0K18047-CCB4
18-Nov-20	14:23	0	Read Baseline

JKP
11-18-20

TOTAL CN 50ppb:Calibration None

File name: C:\FLOW_4\0K18047B.RST
Date: 18-Nov-20
Operator: JKP

*	Name	Conc	Area
*	<Loaded>	0.000000	-22658.000000
*	<Loaded>	1.000000	6209.089844
*	<Loaded>	2.000000	37070.000000
*	<Loaded>	5.000000	160536.000000
*	<Loaded>	10.000000	382553.000000
*	<Loaded>	25.000000	1094560.000000
*	<Loaded>	50.000000	2232320.000000

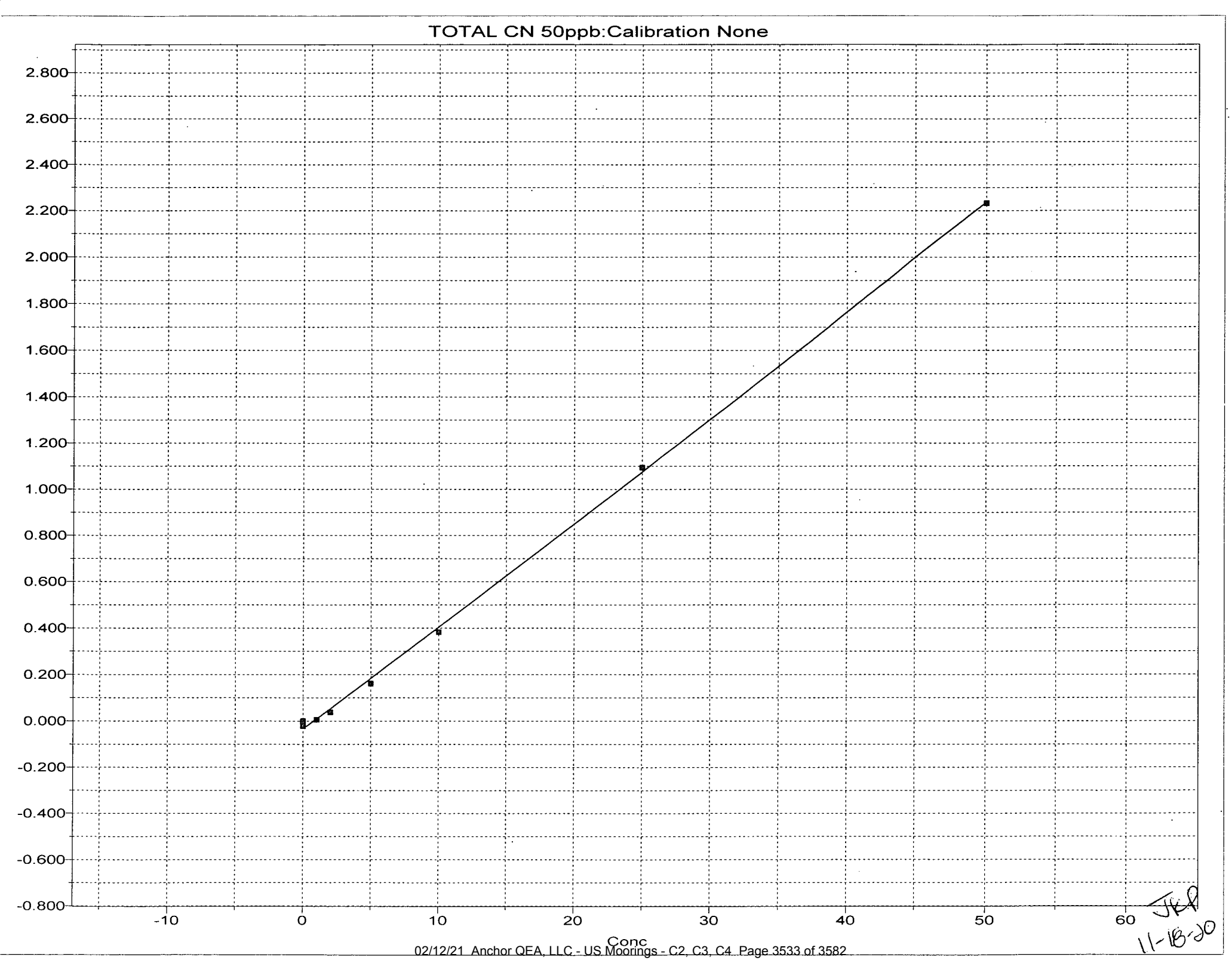
Calib Coef:
x=cyy+by+a
a: (intercept) 7.9197e-01
b: 2.3017e-05
c: -4.5432e-13

Corr Coef: 0.999648

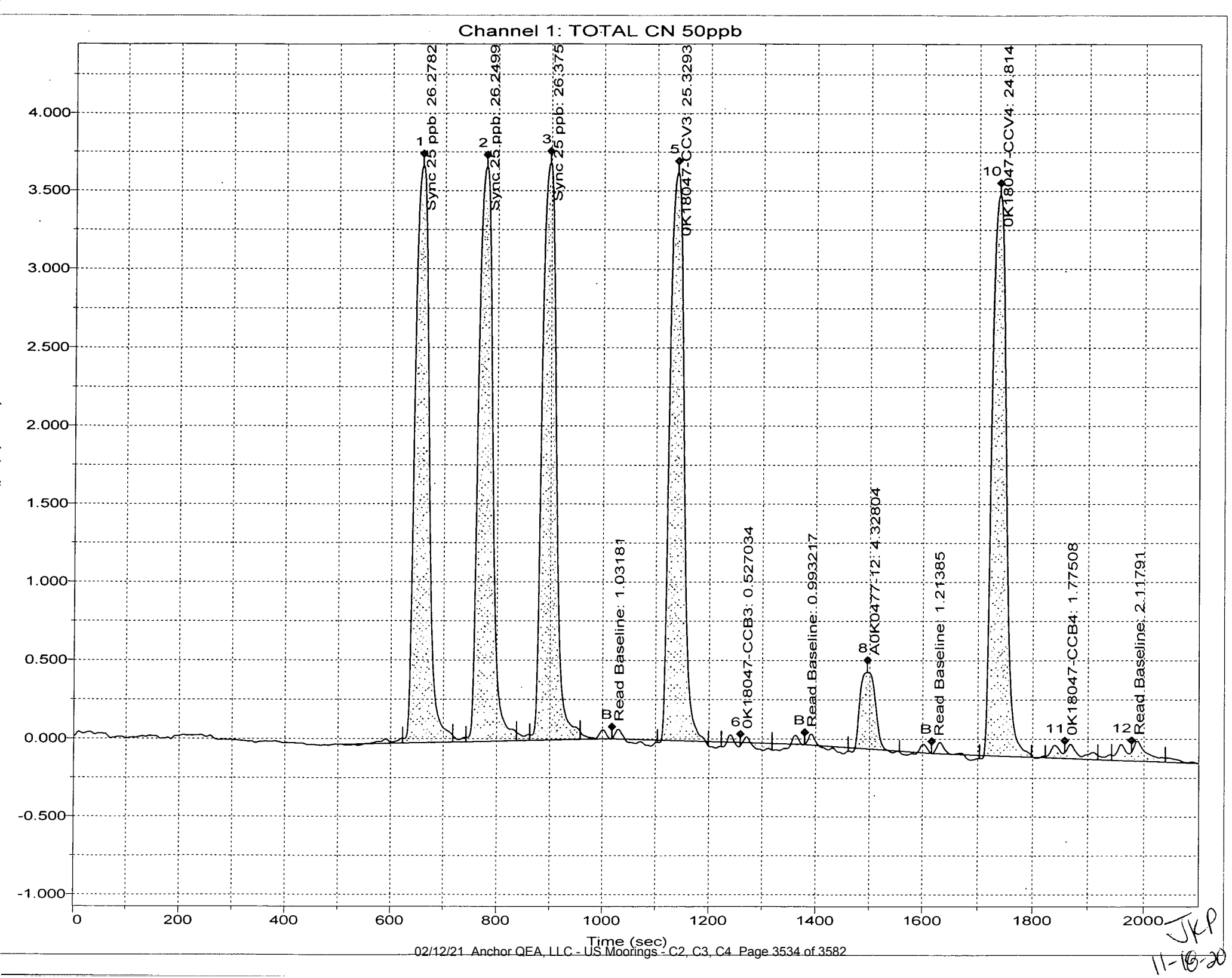
Carryover: n/a

No Drift Peaks

JKP


TOTAL CN 50ppb:Calibration None
2.800
2.600
2.400
2.200
2.000
1.800
1.600
1.400
1.200
1.000
0.800
0.600
0.400
0.200
0.000
-0.200
-0.400
-0.600
-0.800
-10
0
10
20
30
40
50
60
Conc

JKP 11-18-20


Channel 1: TOTAL CN 50ppb
4.000
3.500
3.000
2.500
2.000
1.500
1.000
0.500
0.000
-0.500
-1.000
0
200
400
600
800
1000
1200
1400
1600
1800
2000
Time (sec)
1 Sync 25 ppb: 26.2782
2 Sync 25 ppb: 26.2499
3 Sync 25 ppb: 26.375
5 0K18047-CCV3: 25.3293
10 0K18047-CCV4: 24.814
B Read Baseline: 1.03181
6 0K18047-CCB3: 0.527034
B Read Baseline: 0.993217
8 A0K0477-12: 4.32804
B Read Baseline: 1.21385
11 0K18047-CCB4: 1.77508
12 Read Baseline: 2.11791

JKP
11-16-20

Soluble Cyanide by UV Digestion/Gas Diffusion/Amperometric Detection
Benchsheet & Analysis Sequence Data (Including Calibration)

Batch 0110520
Sequence 0K14002 (A0K0482-09,10,15RE1,16,17,18,19,20,21,22)

APEX LABORATORIES

Apex Laboratories

PREPARATION BENCH SHEET

NOV 2 0 2020

BATCH #: 0110520 (Soil)

Prep Method: ASTM D7511-12mod (S)

#	Lab Number		Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH <2	pH other	pH >11
	0110520-BLK1		QC	11/14/20 08:42	2.5	50									
	0110520-BS1		QC	11/14/20 08:42	2.5	50	A20H257		100						
	0110520-BS2		QC	11/14/20 08:42	2.5	50	A20J028		1000						
	A0K0288-24RE1	A	Cyanide, Total (ASTM D7511, OIA)	11/12/20 12:01	2.5046	50					USMPDI-034SC-B-12-14-201106	From 0110413 by DAS on 11/14/20			
	A0K0288-25RE1	A	Cyanide, Total (ASTM D7511, OIA)	11/12/20 12:01	2.518	50					USMPDI-034SC-B-14-16-201106	From 0110413 by DAS on 11/14/20			
	A0K0288-26RE1	A	Cyanide, Total (ASTM D7511, OIA)	11/12/20 12:01	2.5166	50					USMPDI-1034SC-B-06-08-201106	From 0110413 by DAS on 11/14/20			
	A0K0339-05RE1	A	Cyanide, Total (ASTM D7511, OIA)	11/12/20 12:01	2.5526	50					USMPDI-027SC-B-00-02-201106	From 0110413 by DAS on 11/14/20			
	A0K0339-06RE1	A	Cyanide, Total (ASTM D7511, OIA)	11/12/20 12:01	2.5276	50					USMPDI-027SC-B-02-04-201106	From 0110413 by DAS on 11/14/20			
	A0K0339-07RE1	A	Cyanide, Total (ASTM D7511, OIA)	11/12/20 12:01	2.5202	50					USMPDI-027SC-B-04-06-201106	From 0110413 by DAS on 11/14/20			
	A0K0339-08RE1	A	Cyanide, Total (ASTM D7511, OIA)	11/12/20 12:01	2.5865	50					USMPDI-027SC-B-06-08-201106	From 0110413 by DAS on 11/14/20			
	A0K0339-09RE1	A	Cyanide, Total (ASTM D7511, OIA)	11/12/20 12:01	2.5242	50					USMPDI-027SC-B-08-10-201106	MS/MSD			
	0110520-MS1		QC	11/14/20 08:42	2.5149	50	A20H320	A0K0339-09RE1	200						
	0110520-MSD1		QC	11/14/20 08:42	2.5455	50	A20H320	A0K0339-09RE1	200						
	A0K0339-10RE1	A	Cyanide, Total (ASTM D7511, OIA)	11/12/20 12:01	2.5752	50					USMPDI-027SC-B-10-12-201106	From 0110413 by DAS on 11/14/20			
	A0K0339-11RE1	A	Cyanide, Total (ASTM D7511, OIA)	11/12/20 12:01	2.5536	50					USMPDI-027SC-B-12-14-201106	From 0110413 by DAS on 11/14/20			
	A0K0482-09	A	Cyanide, Total (ASTM D7511, OIA)	11/14/20 08:42	2.5331	50					USMPDI-003SC-B-04-06-201110				
	A0K0482-10	A	Cyanide, Total (ASTM D7511, OIA)	11/14/20 08:42	2.5309	50					USMPDI-003SC-B-06-08-201110				
	A0K0482-15	A	Cyanide, Total (ASTM D7511, OIA)	11/14/20 08:42	2.5202	50					USMPDI-006SC-D-00-02-201110				
	A0K0482-15RE1	A	Cyanide, Total (ASTM D7511, OIA)	11/14/20 08:42	2.5202	50					USMPDI-006SC-D-00-02-201110	Added 11/14/2020 by DAS			
	A0K0482-16	A	Cyanide, Total (ASTM D7511, OIA)	11/14/20 08:42	2.5338	50					USMPDI-006SC-D-02-04-201110				

WO 11/18/20

Prepared By: Date

cum 11/18/2020

Reviewed By: Date

Printed: 11/18/2020 12:00:16PM

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 0110520 (Soil)

Prep Method: ASTM D7511-12mod (S)

#	Lab Number		Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH <2	pH Other	pH >11
	A0K0482-17	A	Cyanide, Total (ASTM D7511, OIA)	11/14/20 08:42	2.5521	50					USMPDI-006SC-D-04-06-201110				
	A0K0482-17RE1	A	Cyanide, Total (ASTM D7511, OIA)	11/14/20 08:42	2.5521	50					USMPDI-006SC-D-04-06-201110	Added 11/14/2020 by DAS			
	A0K0482-18	A	Cyanide, Total (ASTM D7511, OIA)	11/14/20 08:42	2.5073	50					USMPDI-006SC-D-06-08-201110				
	A0K0482-19	A	Cyanide, Total (ASTM D7511, OIA)	11/14/20 08:42	2.5325	50					USMPDI-006SC-D-08-10-201110				
	A0K0482-20	A	Cyanide, Total (ASTM D7511, OIA)	11/14/20 08:42	2.5034	50					USMPDI-006SC-D-10-12-201110				
	A0K0482-21	A	Cyanide, Total (ASTM D7511, OIA)	11/14/20 08:42	2.5416	50					USMPDI-006SC-D-12-14-201110	MS/MSD			
	0110520-MS2		QC	11/14/20 08:42	2.591	50	A20H320	A0K0482-21	200						
	0110520-MSD2		QC	11/14/20 08:42	2.5155	50	A20H320	A0K0482-21	200						
	A0K0482-22	A	Cyanide, Total (ASTM D7511, OIA)	11/14/20 08:42	2.5884	50					USMPDI-1006SC-D-10-12-201110				

Standards/Reagents

Reagent(s)

Std ID	Exp. Date	Description
A19L373	12/31/29	Syringe Filters, 0.45 um PP
A20G015	12/28/20	0.1 N NaOH
A20H410	08/24/29	Air pillow for OIA Total CN
A20I340	03/23/21	Total CN-TA1 working
A20I341	03/23/21	Total CN-TA2/SAR-working

Analyte Spike(s)

Std ID	Exp. Date	Description
A20H257	12/05/20	Cyanide working -2- TOTAL
A20H320	01/31/21	Cyanide working -1-
A20J028	03/31/21	Total CN Challenge Mtx. Stock Solution

Surrogate(s)

Std ID	Exp. Date	Description

Prepared By: Date

Reviewed By: Date

APEX LABORATORIES

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 0110520 (Soil)

Prep Method: ASTM D7511-12mod (S)

#	Lab Number		Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH <2	pH 2-11	pH >11
	0110520-BLK1		QC	11/14/20 08:42	2.5	50									
	0110520-BS1		QC	11/14/20 08:42	2.5	50	A20H257		100						
	0110520-BS2		QC	11/14/20 08:42	2.5	50	A20J028		1000						
	A0K0288-24RE1	A	Cyanide, Total (ASTM D7511, OIA)	11/12/20 12:01	2.5~~163~~ 046	50					USMPDI-034SC-B-12-14-201106	From 0110413 by DAS on 11/14/20			
	A0K0288-25RE1	A	Cyanide, Total (ASTM D7511, OIA)	11/12/20 12:01	2.5429 180	50					USMPDI-034SC-B-14-16-201106	From 0110413 by DAS on 11/14/20			
	A0K0288-26RE1	A	Cyanide, Total (ASTM D7511, OIA)	11/12/20 12:01	2.5769 166 526 MO 11/14/20	50					USMPDI-1034SC-B-06-08-201106	From 0110413 by DAS on 11/14/20			
	A0K0339-05RE1	A	Cyanide, Total (ASTM D7511, OIA)	11/12/20 12:01	2.5126 ~~332~~	50					USMPDI-027SC-B-00-02-201106	From 0110413 by DAS on 11/14/20			
	A0K0339-06RE1	A	Cyanide, Total (ASTM D7511, OIA)	11/12/20 12:01	2.5859 276	50					USMPDI-027SC-B-02-04-201106	From 0110413 by DAS on 11/14/20			
	A0K0339-07RE1	A	Cyanide, Total (ASTM D7511, OIA)	11/12/20 12:01	2.5806 202	50					USMPDI-027SC-B-04-06-201106	From 0110413 by DAS on 11/14/20			
	A0K0339-08RE1	A	Cyanide, Total (ASTM D7511, OIA)	11/12/20 12:01	2.5~~619~~ 866	50					USMPDI-027SC-B-06-08-201106	From 0110413 by DAS on 11/14/20			
	A0K0339-09RE1	A	Cyanide, Total (ASTM D7511, OIA)	11/12/20 12:01	2.~~5252~~ 5242	50					USMPDI-027SC-B-08-10-201106	MS/MSD			
	0110520-MS1		QC	11/14/20 08:42	2.5 142	50	A20H320	A0K0339-09RE1	200						
	0110520-MSD1		QC	11/14/20 08:42	2.5 455	50	A20H320	A0K0339-09RE1	200						
	A0K0339-10RE1	A	Cyanide, Total (ASTM D7511, OIA)	11/12/20 12:01	2.5~~192~~ 752	50					USMPDI-027SC-B-10-12-201106	From 0110413 by DAS on 11/14/20			
	A0K0339-11RE1	A	Cyanide, Total (ASTM D7511, OIA)	11/12/20 12:01	2.5~~837~~ 536	50					USMPDI-027SC-B-12-14-201106	From 0110413 by DAS on 11/14/20			
	A0K0482-09	A	Cyanide, Total (ASTM D7511, OIA)	11/14/20 08:42	2.5	50					USMPDI-003SC-B-04-06-201110				
	A0K0482-10	A	Cyanide, Total (ASTM D7511, OIA)	11/14/20 08:42	2.5	50					USMPDI-003SC-B-06-08-201110				
	A0K0482-15	A	Cyanide, Total (ASTM D7511, OIA)	11/14/20 08:42	2.5	50					USMPDI-006SC-D-00-02-201110				
	A0K0482-16	A	Cyanide, Total (ASTM D7511, OIA)	11/14/20 08:42	2.5	50					USMPDI-006SC-D-02-04-201110				
	A0K0482-17	A	Cyanide, Total (ASTM D7511, OIA)	11/14/20 08:42	2.5	50					USMPDI-006SC-D-04-06-201110				

MO 11/14/20

Prepared By: Date

Reviewed By: Date

Printed: 11/14/2020 12:20:26PM

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 0110520 (Soil)

Prep Method: ASTM D7511-12mod (S)

#	Lab Number		Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH <2	pH Other	pH >11
	A0K0482-18	A	Cyanide, Total (ASTM D7511, OIA)	11/14/20 08:42	2.5	50					USMPDI-006SC-D-06-08-201110				
	A0K0482-19	A	Cyanide, Total (ASTM D7511, OIA)	11/14/20 08:42	2.5	50					USMPDI-006SC-D-08-10-201110				
	A0K0482-20	A	Cyanide, Total (ASTM D7511, OIA)	11/14/20 08:42	2.5	50					USMPDI-006SC-D-10-12-201110				
	A0K0482-21	A	Cyanide, Total (ASTM D7511, OIA)	11/14/20 08:42	2.5	50					USMPDI-006SC-D-12-14-201110	MS/MSD			
	0110520-MS2		QC	11/14/20 08:42	2.5	50	A20H320	A0K0482-21	200						
	0110520-MSD2		QC	11/14/20 08:42	2.5	50	A20H320	A0K0482-21	200						
	A0K0482-22	A	Cyanide, Total (ASTM D7511, OIA)	11/14/20 08:42	2.5	50					USMPDI-1006SC-D-10-12-201110				

Standards/Reagents

Reagent(s)

Std ID	Exp. Date	Description
A19L373	12/31/29	Syringe Filters, 0.45 um PP
A20G015	12/28/20	0.1 N NaOH
A20H410	08/24/29	Air pillow for OIA Total CN
A20I340	03/23/21	Total CN-TA1 working
A20I341	03/23/21	Total CN-TA2/SAR-working

Analyte Spike(s)

Std ID	Exp. Date	Description
A20H257	12/05/20	Cyanide working -2- TOTAL
A20H320	01/31/21	Cyanide working -1-
A20J028	03/31/21	Total CN Challenge Mtx. Stock Solution

Surrogate(s)

Std ID	Exp. Date	Description

Prepared By: Date

Reviewed By: Date

Printed: 11/14/2020 12:20:26PM

APEX LABORATORIES

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 0110520 (Soil)

Prep Method: ASTM D7511-12mod (S)

#	Lab Number		Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH <2	pH Other	pH >11
	0110520-BLK1		QC	11/14/20 08:42	2.5	50									
	0110520-BS1		QC	11/14/20 08:42	2.5	50	A20H257		100						
	A0K0482-09	A	Cyanide, Total (ASTM D7511, OIA)	11/14/20 08:42	2.5 331	50					USMPDI-003SC-B-04-06-201110				
	A0K0482-10	A	Cyanide, Total (ASTM D7511, OIA)	11/14/20 08:42	2.5 309	50					USMPDI-003SC-B-06-08-201110				
	A0K0482-15	A	Cyanide, Total (ASTM D7511, OIA)	11/14/20 08:42	2.5 202	50					USMPDI-006SC-D-00-02-201110				
	A0K0482-16	A	Cyanide, Total (ASTM D7511, OIA)	11/14/20 08:42	2.5 338	50					USMPDI-006SC-D-02-04-201110				
	A0K0482-17	A	Cyanide, Total (ASTM D7511, OIA)	11/14/20 08:42	2.5 521	50					USMPDI-006SC-D-04-06-201110				
	A0K0482-18	A	Cyanide, Total (ASTM D7511, OIA)	11/14/20 08:42	2.5 073	50					USMPDI-006SC-D-06-08-201110				
	A0K0482-19	A	Cyanide, Total (ASTM D7511, OIA)	11/14/20 08:42	2.5 325	50					USMPDI-006SC-D-08-10-201110				
	A0K0482-20	A	Cyanide, Total (ASTM D7511, OIA)	11/14/20 08:42	2.5 034	50					USMPDI-006SC-D-10-12-201110				
	A0K0482-21 2	A	Cyanide, Total (ASTM D7511, OIA)	11/14/20 08:42	2.5 416	50					USMPDI-006SC-D-12-14-201110	MS/MSD			
	0110520-MS1		QC	11/14/20 08:42	2.5 391	50	A20H320	A0K0482-21	200						
	0110520-MSD		QC	11/14/20 08:42	2.5 15	50	A20H320	A0K0482-21	200						
	A0K0482-22 MW 11/14/20	A	Cyanide, Total (ASTM D7511, OIA)	11/14/20 08:42	2.5 884	50					USMPDI-1006SC-D-10-12-201110				

Standards/Reagents

Reagent(s)

Std ID	Exp. Date	Description
A19L373	12/31/29	Syringe Filters, 0.45 um PP
A20G015	12/28/20	0.1 N NaOH
A20H410	08/24/29	Air pillow for OIA Total CN
A20I340	03/23/21	Total CN-TA1 working
A20I341	03/23/21	Total CN-TA2/SAR-working

Analyte Spike(s)

Std ID	Exp. Date	Description
A20H257	12/05/20	Cyanide working -2- TOTAL
A20H320	01/31/21	Cyanide working -1-

Surrogate(s)

Std ID	Exp. Date	Description

MW 11/14/20
Prepared By: Date

Reviewed By: Date

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 0110520 (Soil)

Prep Method: ASTM D7511-12mod (S)

#	Lab Number		Analysis	Prepared	Initial (g)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH <2	pH other	pH >11

Prepared By: Date

Reviewed By: Date

APEX LABORATORIES

ELEMENT SEQUENCE LOG

Apex Laboratories

NOV 2 0 2020

Sequence: 0K14002 ✓ Instrument: OIA FS3000-2

Date: 11/14/20 09:21 Calibration: A0K1401 ✓

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0K14002-CAL1	Soil	QC	QC				
2	0K14002-CAL2	Soil	QC	QC				A20H332 –
3	0K14002-CAL3	Soil	QC	QC				A20H328 –
4	0K14002-CAL4	Soil	QC	QC				A20H327 –
5	0K14002-CAL5	Soil	QC	QC				A20H325 ✓
6	0K14002-CAL6	Soil	QC	QC				A20H323 –
7	0K14002-CAL7	Soil	QC	QC				A20H321 ✓
8	0K14002-ICV1	Soil	QC	QC				A20K093 ✓
9	0K14002-ICB1	Soil	QC	QC				
10	0110520-BS2	Soil	QC	QC		0110520		
11	0110520-BLK1	Soil	QC	QC		0110520		
12	0110520-BS1	Soil	QC	QC		0110520		
13	A0K0339-09RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/20/20	0110520		
14	0110520-MS1	Soil	QC	QC		0110520		
15	0110520-MSD1	Soil	QC	QC		0110520		
16	A0K0482-09	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/24/20	0110520		
17	A0K0482-10	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/24/20	0110520		
18	A0K0482-15	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/24/20	0110520		
19	A0K0482-16	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/24/20	0110520		
20	A0K0482-17	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/24/20	0110520		
21	0K14002-CCV1	Soil	QC	QC				A20H323 ✓
22	0K14002-CCB1	Soil	QC	QC				
23	A0K0482-18	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/24/20	0110520		
24	A0K0482-19	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/24/20	0110520		
25	A0K0482-20	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/24/20	0110520		
26	A0K0482-21	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/24/20	0110520		
27	0110520-MS2	Soil	QC	QC		0110520		
28	0110520-MSD2	Soil	QC	QC		0110520		
29	A0K0482-22	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/24/20	0110520		
30	A0K0482-15RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/24/20	0110520		
31	A0K0482-17RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/24/20	0110520		
32	A0K0288-24RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/19/20	0110520		
33	0K14002-CCV2	Soil	QC	QC				A20H323 ✓
34	0K14002-CCB2	Soil	QC	QC				
35	A0K0288-25RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/19/20	0110520		
36	A0K0288-26RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/19/20	0110520		
37	A0K0339-05RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/20/20	0110520		
38	A0K0339-06RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/20/20	0110520		
39	A0K0339-07RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/20/20	0110520		
40	A0K0339-08RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/20/20	0110520		
41	A0K0339-10RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/20/20	0110520		
42	A0K0339-11RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/20/20	0110520		
43	0110412-BLK1	Soil	QC	QC		0110412		
44	0K14002-CCV3	Soil	QC	QC				A20H323 ✓
45	0K14002-CCB3	Soil	QC	QC				
46	0110412-BS1	Soil	QC	QC		0110412		
47	A0K0255-17	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/19/20	0110412		
48	A0K0255-18	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/19/20	0110412		
49	0110412-MS1	Soil	QC	QC		0110412		
50	0110412-MSD1	Soil	QC	QC		0110412		
51	A0K0255-19	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/19/20	0110412		

Sequence: **0K14002** Instrument: **OIA FS3000-2**

Date: **11/14/20 09:21** Calibration: **A0K1401**

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
52	A0K0255-20	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/19/20	0110412		
53	A0K0255-21	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/19/20	0110412		
54	A0K0255-22	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/19/20	0110412		
55	A0K0255-23	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/19/20	0110412		
56	0K14002-CCV4	Soil	QC	QC				A20H323
57	0K14002-CCB4	Soil	QC	QC				
58	A0K0255-27	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/19/20	0110412		
59	A0K0255-28	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/19/20	0110412		
60	A0K0255-29	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/19/20	0110412		
61	A0K0255-30	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/19/20	0110412		
62	0110412-MS2	Soil	QC	QC		0110412		
63	0110412-MSD2	Soil	QC	QC		0110412		
64	A0K0255-31	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/19/20	0110412		
65	A0K0255-32	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/19/20	0110412		
66	A0K0255-33	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/19/20	0110412		
67	A0K0255-34	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/19/20	0110412		
68	0K14002-CCV5	Soil	QC	QC				A20H323
69	0K14002-CCB5	Soil	QC	QC				
70	A0K0255-35	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/19/20	0110412		
71	A0K0288-06	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/19/20	0110412		
72	A0K0288-07	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/19/20	0110412		
73	A0K0288-08	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/19/20	0110412		
74	A0K0288-09	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/19/20	0110412		
75	A0K0255-17RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/19/20	0110412		
76	A0K0255-18RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/19/20	0110412		
77	0110412-MS3	Soil	QC	QC		0110412		
78	0110412-MSD3	Soil	QC	QC		0110412		
79	A0K0255-22RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/19/20	0110412		
80	0K14002-CCV6	Soil	QC	QC				A20H323
81	0K14002-CCB6	Soil	QC	QC				
82	A0K0255-23RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/19/20	0110412		
83	A0K0255-28RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/19/20	0110412		
84	A0K0255-29RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/19/20	0110412		
85	A0K0255-30RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/19/20	0110412		
86	0110412-MS4	Soil	QC	QC		0110412		
87	0110412-MSD4	Soil	QC	QC		0110412		
88	A0K0255-31RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/19/20	0110412		
89	A0K0255-32RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/19/20	0110412		
90	A0K0255-33RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/19/20	0110412		
91	A0K0255-34RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/19/20	0110412		
92	0K14002-CCV7	Soil	QC	QC				A20H323
93	0K14002-CCB7	Soil	QC	QC				
94	A0K0288-06RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/19/20	0110412		
95	A0K0288-07RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/19/20	0110412		
96	A0K0288-08RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/19/20	0110412		
97	A0K0288-09RE1	Soil	Cyanide, Total (ASTM D7511, OIA)	Anchor QEA, LLC	11/19/20	0110412		
98	0K14002-CCV8	Soil	QC	QC				A20H323
99	0K14002-CCB8	Soil	QC	QC				

Comments:

Data Entered By/Date: WD 11/14/20

Data Reviewed By/Date: CMR 11/18/2020

Run Results Report

Apex Laboratories OIA FS3000-2

Operator Name	WVO
Operator ID	WVO
Platform	FS III/IV/3100
Software Rev Code	234
Data system ID	57
Result path	C:\FLOW_4\0K14002B.RST
Sample table path	C:\FLOW_4\totcn50.tbl
Method path	C:\FLOW_4\totcn50.mth
Date acquired	14-Nov-20
Time acquired	17:25

Make Correction - Saved Seq. as OK14002B

	TOTAL CN 50ppb					
Name	Response	Calc [ppb]	Flags	Mean Response	Mean Calc [ppb]	RSD
Sync 25 ppb	1204291	26.205				
Sync 25 ppb	1236282	26.880				
Sync 25 ppb	1227268	26.690				
(Statistics)				1222614	26.591	1.35%
Carryover	36433	1.567				
Read Baseline	25960	1.346	BL			
Cal 0.0 ppb	-36141	0.037				
Cal 1.0 ppb	15054	1.116				
Cal 2.0 ppb	48285	1.817				
Cal 5.0 ppb	173211	4.451				
Cal 10.0 ppb	406000	9.360				
Cal 25.0 ppb	1172547	25.535				
Cal 50.0 ppb	2325517	49.887				
Read Baseline	29123	1.413	BL			
0K14002-ICV1	1129495	24.626				
0K14002-ICB1	16709	1.151				
Read Baseline	11801	1.047	BL			
0110520-BS2	109847	3.115				
0110520-BLK1	-34747	0.066				
0110520-BS1	992608	21.737				
Read Baseline	20237	1.225	BL			
A0K0339-09RE1	-27825	0.212				
0110520-MS1	833311	18.375				
0110520-MSD1	790675	17.475				
Read Baseline	12217	1.056	BL			
A0K0482-09	21757	1.257				
A0K0482-10	-29756	0.171				

< 3% OK ann 11/18/2020

Result path	C:\FLOW_4\0K14002A.RST
Sample table path	C:\FLOW_4\totcn50.tbl,
Method path	C:\FLOW_4\totcn50.mth
Date acquired	14-Nov-20
Time acquired	17:25

TOTAL CN 50ppb

Name	Response	Calc [ppb]	Flags	Mean Response	Mean Calc [ppb]	RSD
A0K0482-15@10	196962	4.952				
Read Baseline	12811	1.069	BL			
A0K0482-16	301572	7.158				
A0K0482-17	70172	2.278				
Read Baseline	8456	0.977	BL			
0K14002-CCV1	1192007	25.945				
0K14002-CCB1	47723	1.805				
Read Baseline	22112	1.265	BL			
A0K0482-18	85566	2.603				
A0K0482-19	72213	2.321				
A0K0482-20	-23963	0.293				
Read Baseline	3774	0.878	BL			
A0K0482-21	-8466	0.620				
0110520-MS2	779404	17.238				
0110520-MSD2	797770	17.625				
Read Baseline	26001	1.347	BL			
A0K0482-22	30052	1.432				
A0K0482-15RE1@2	1076484	23.507				
Read Baseline	17230	1.162	BL			
A0K0482-17RE1	81978	2.527				
A0K0288-24RE1	25935	1.345				
Read Baseline	-8587	0.618	BL			
0K14002-CCV2	1167004	25.418				
0K14002-CCB2	9384	0.996				
Read Baseline	-58	0.797	BL			
A0K0288-25RE1	44267	1.732				
A0K0288-26RE1	41938	1.683				
A0K0339-05RE1	443268	10.146				
Read Baseline	23577	1.296	BL			
A0K0339-06RE1	104204	2.996				
A0K0339-07RE1	22960	1.283				
A0K0339-08RE1	140108	3.753				
Read Baseline	7585	0.958	BL			
A0K0339-10RE1	61775	2.101				
A0K0339-11RE1	107405	3.063				
0110412-BLK1	-139330	-2.139	LO			
Read Baseline	-12764	0.529	BL			

- NR. Over diluted. See RE1 @2X MWD 11/18/20

Result path	C:\FLOW_4\0K14002A.RST
Sample table path	C:\FLOW_4\totcn50.tbl
Method path	C:\FLOW_4\totcn50.mth
Date acquired	14-Nov-20
Time acquired	17:25

TOTAL CN 50ppb

Name	Response	Calc [ppb]	Flags	Mean Response	Mean Calc [ppb]	RSD
Read Baseline	-6121	0.670	BL			
0K14002-CCV3	1137493	24.795				
0K14002-CCB3	6772	0.941				
Read Baseline	-7052	0.650	BL			
0110412-BS1	844736	18.616				
A0K0255-17@25	98062	2.866				
A0K0255-18@25	60388	2.072				
Read Baseline	295	0.805	BL			
0110412-MS1@25	136550	3.678				
0110412-MSD1@25	153504	4.035				
Read Baseline	-8238	0.625	BL			
A0K0255-19@25	898115	19.742				
A0K0255-20@25	2313078	49.624				
A0K0255-21@25	1158750	25.243				
Read Baseline	-50748	-0.271	BL			
A0K0255-22@10	21917578	468.124	HI			
A0K0255-23@10	18387414	392.147	HI			
Read Baseline	81937	2.526	BL			
0K14002-CCV4	1045503	22.853	FL			
0K14002-CCB4	-58822	-0.442	LO			
Read Baseline	6552	0.937	BL			
A0K0255-27@10	1946160	41.871				
A0K0255-28@5	5424746	115.490	HI			
A0K0255-29@25	20524808	438.116	HI			
Read Baseline	71776	2.312	BL			
A0K0255-30@25	4148863	88.457	HI			
0110412-MS2@25	2483709	53.230	FL			
0110412-MSD2@25	2979058	63.703	HI			
Read Baseline	-15600	0.470	BL			
A0K0255-31@25	32130454	689.458	HI			
A0K0255-32@25	11684647	248.635	HI			
Read Baseline	11608	1.043	BL			
A0K0255-33@25	13759197	292.949	HI			
A0K0255-34@20	20410528	435.656	HI			
Read Baseline	58261	2.027	BL			
0K14002-CCV5	1074270	23.460	FL			
0K14002-CCB5	-58487	-0.434	LO			

NR. over diluted

NR. Need dilution

NR. Need dilution

NR. Need dilution

NR. Need dilution

MD 11/18/20

Result path	C:\FLOW_4\0K14002A.RST
Sample table path	C:\FLOW_4\totcn50.tbl
Method path	C:\FLOW_4\totcn50.mth
Date acquired	14-Nov-20
Time acquired	17:25

TOTAL CN 50ppb

Name	Response	Calc [ppb]	Flags	Mean Response	Mean Calc [ppb]	RSD
Read Baseline	1380	0.828	BL			
A0K0255-35@25	1771612	38.184				
A0K0288-06@10	3374281	72.063	HI			
A0K0288-07@10	7978794	169.710	HI			
Read Baseline	16128	1.139	BL			
A0K0288-08@10	4285242	91.345	HI			
A0K0288-09@10	6442379	137.077	HI			
Read Baseline	16740	1.152	BL			
A0K0255-17RE1@5	998040	21.851	FL			
A0K0255-18RE1@5	826350	18.228				
Read Baseline	14735	1.109	BL			
011041[illegible]-MS3@5	1043804	22.817				
0110412-MSD3@5	1334294	28.949				
Read Baseline	9142	0.991	BL			
A0K0255-22RE1@200	1532450	33.133				
Read Baseline	12545	1.063	BL			
0K14002-CCV6	1119231	24.409				
0K14002-CCB6	-5498	0.683				
Read Baseline	3614	0.875	BL			
A0K0255-23RE1@200	1316417	28.572				
A0K0255-28RE1@25	1272074	27.636				
A0K0255-29RE1@500	1488317	32.201				
Read Baseline	8510	0.978	BL			
A0K0255-30RE1@50	2279982	48.924				
0110412-MS4@50	1302711	28.282				
0110412-MSD4@50	1572084	33.970				
Read Baseline	3103	0.864	BL			
A0K0255-31RE1@500	2098670	45.093				
A0K0255-32RE1@250	1466988	31.751				
Read Baseline	5784	0.921	BL			
A0K0255-33RE1@500	1780404	38.370				
A0K0255-34RE1@500	1162454	25.322				
Read Baseline	4324	0.890	BL			
0K14002-CCV7	1114906	24.318				
0K14002-CCB7	-13037	0.524				
Read Baseline	5	0.799	BL			
A0K0288-06RE1@20	1870565	40.274				

NR. Need dilution

MW 01/11/20

Result path	C:\FLOW_4\0K14002A.RST
Sample table path	C:\FLOW_4\totcn50.tbl
Method path	C:\FLOW_4\totcn50.mth
Date acquired	14-Nov-20
Time acquired	17:25

	TOTAL CN 50ppb					
Name	Response	Calc [ppb]	Flags	Mean Response	Mean Calc [ppb]	RSD
A0K0288-07RE1@50	1931563	41.563				
Read Baseline	8254	0.973	BL			
A0K0288-08RE1@25	1909421	41.095				
A0K0288-09RE1@50	1629129	35.175				
Read Baseline	12661	1.066	BL			
0K14002-CCV8	1147426	25.004				
0K14002-CCB8	16569	1.148				
Read Baseline	10021	1.010	BL			

Run Results Report

Apex Laboratories OIA FS3000-2

Operator Name	WVO
Operator ID	WVO
Platform	FS III/IV/3100
Software Rev Code	234
Data system ID	57
Result path	C:\FLOW_4\0K14002A.RST
Sample table path	C:\FLOW_4\totcn50.tbl
Method path	C:\FLOW_4\totcn50.mth
Date acquired	14-Nov-20
Time acquired	17:25

Date	Time	Cup	Name
14-Nov-20	11:19	106	Sync 25 ppb
14-Nov-20	11:21	106	Sync 25 ppb
14-Nov-20	11:23	106	Sync 25 ppb (Statistics)
14-Nov-20	11:25	0	Carryover
14-Nov-20	11:27	0	Read Baseline
14-Nov-20	11:29	101	Cal 0.0 ppb
14-Nov-20	11:31	102	Cal 1.0 ppb
14-Nov-20	11:33	103	Cal 2.0 ppb
14-Nov-20	11:35	104	Cal 5.0 ppb
14-Nov-20	11:37	105	Cal 10.0 ppb
14-Nov-20	11:39	106	Cal 25.0 ppb
14-Nov-20	11:41	107	Cal 50.0 ppb
14-Nov-20	11:43	0	Read Baseline
14-Nov-20	11:45	108	0K14002-ICV1
14-Nov-20	11:47	0	0K14002-ICB1
14-Nov-20	11:49	0	Read Baseline
14-Nov-20	11:51	109	0110520-BS2
14-Nov-20	11:53	110	0110520-BLK1
14-Nov-20	11:55	111	0110520-BS1
14-Nov-20	11:57	0	Read Baseline
14-Nov-20	11:59	112	A0K0339-09RE1
14-Nov-20	12:01	113	0110520-MS1
14-Nov-20	12:03	114	0110520-MSD1
14-Nov-20	12:05	0	Read Baseline
14-Nov-20	12:07	115	A0K0482-09
14-Nov-20	12:10	116	A0K0482-10

Result path	C:\FLOW_4\0K14002A.RST
Sample table path	C:\FLOW_4\totcn50.tbl
Method path	C:\FLOW_4\totcn50.mth
Date acquired	14-Nov-20
Time acquired	17:25

Date	Time	Cup	Name
14-Nov-20	12:12	117	A0K0482-15@10
14-Nov-20	12:14	0	Read Baseline
14-Nov-20	12:16	118	A0K0482-16
14-Nov-20	12:18	119	A0K0482-17
14-Nov-20	12:20	0	Read Baseline
14-Nov-20	12:22	106	0K14002-CCV1
14-Nov-20	12:24	0	0K14002-CCB1
14-Nov-20	12:26	0	Read Baseline
14-Nov-20	12:28	120	A0K0482-18
14-Nov-20	12:30	121	A0K0482-19
14-Nov-20	12:32	122	A0K0482-20
14-Nov-20	12:34	0	Read Baseline
14-Nov-20	12:36	123	A0K0482-21
14-Nov-20	12:38	124	0110520-MS2
14-Nov-20	12:40	125	0110520-MSD2
14-Nov-20	12:42	0	Read Baseline
14-Nov-20	12:44	126	A0K0482-22
14-Nov-20	13:04	117	A0K0482-15RE1@2
14-Nov-20	13:06	0	Read Baseline
14-Nov-20	13:08	119	A0K0482-17RE1
14-Nov-20	13:10	127	A0K0288-24RE1
14-Nov-20	13:12	0	Read Baseline
14-Nov-20	13:14	106	0K14002-CCV2
14-Nov-20	13:16	0	0K14002-CCB2
14-Nov-20	13:18	0	Read Baseline
14-Nov-20	13:20	128	A0K0288-25RE1
14-Nov-20	13:22	129	A0K0288-26RE1
14-Nov-20	13:25	130	A0K0339-05RE1
14-Nov-20	13:27	0	Read Baseline
14-Nov-20	13:29	131	A0K0339-06RE1
14-Nov-20	13:31	132	A0K0339-07RE1
14-Nov-20	13:33	133	A0K0339-08RE1
14-Nov-20	13:35	0	Read Baseline
14-Nov-20	13:37	134	A0K0339-10RE1
14-Nov-20	13:39	135	A0K0339-11RE1
14-Nov-20	13:41	136	0110412-BLK1
14-Nov-20	13:43	0	Read Baseline

Result path	C:\FLOW_4\0K14002A.RST
Sample table path	C:\FLOW_4\totcn50.tbl
Method path	C:\FLOW_4\totcn50.mth
Date acquired	14-Nov-20
Time acquired	17:25

Date	Time	Cup	Name
14-Nov-20	13:45	0	Read Baseline
14-Nov-20	13:47	106	0K14002-CCV3
14-Nov-20	13:49	0	0K14002-CCB3
14-Nov-20	13:51	0	Read Baseline
14-Nov-20	14:04	137	0110412-BS1
14-Nov-20	14:06	138	A0K0255-17@25
14-Nov-20	14:08	139	A0K0255-18@25
14-Nov-20	14:10	0	Read Baseline
14-Nov-20	14:12	140	0110412-MS1@25
14-Nov-20	14:14	141	0110412-MSD1@25
14-Nov-20	14:16	0	Read Baseline
14-Nov-20	14:18	142	A0K0255-19@25
14-Nov-20	14:20	143	A0K0255-20@25
14-Nov-20	14:22	144	A0K0255-21@25
14-Nov-20	14:24	0	Read Baseline
14-Nov-20	14:26	145	A0K0255-22@10
14-Nov-20	14:28	146	A0K0255-23@10
14-Nov-20	14:30	0	Read Baseline
14-Nov-20	14:32	106	0K14002-CCV4
14-Nov-20	14:34	0	0K14002-CCB4
14-Nov-20	14:36	0	Read Baseline
14-Nov-20	14:38	147	A0K0255-27@10
14-Nov-20	14:40	148	A0K0255-28@5
14-Nov-20	14:53	149	A0K0255-29@25
14-Nov-20	14:55	0	Read Baseline
14-Nov-20	14:57	150	A0K0255-30@25
14-Nov-20	14:59	151	0110412-MS2@25
14-Nov-20	15:01	152	0110412-MSD2@25
14-Nov-20	15:03	0	Read Baseline
14-Nov-20	15:05	153	A0K0255-31@25
14-Nov-20	15:07	154	A0K0255-32@25
14-Nov-20	15:09	0	Read Baseline
14-Nov-20	15:11	155	A0K0255-33@25
14-Nov-20	15:13	156	A0K0255-34@20
14-Nov-20	15:15	0	Read Baseline
14-Nov-20	15:17	106	0K14002-CCV5
14-Nov-20	15:19	0	0K14002-CCB5

Result path	C:\FLOW_4\0K14002A.RST
Sample table path	C:\FLOW_4\totcn50.tbl
Method path	C:\FLOW_4\totcn50.mth
Date acquired	14-Nov-20
Time acquired	17:25

Date	Time	Cup	Name
14-Nov-20	15:21	0	Read Baseline
14-Nov-20	15:23	157	A0K0255-35@25
14-Nov-20	15:25	158	A0K0288-06@10
14-Nov-20	15:27	159	A0K0288-07@10
14-Nov-20	15:29	0	Read Baseline
14-Nov-20	15:31	160	A0K0288-08@10
14-Nov-20	15:33	201	A0K0288-09@10
14-Nov-20	15:35	0	Read Baseline
14-Nov-20	15:37	138	A0K0255-17RE1@5
14-Nov-20	15:39	139	A0K0255-18RE1@5
14-Nov-20	15:52	0	Read Baseline
14-Nov-20	15:54	140	0110414-MS3@5
14-Nov-20	15:56	141	0110412-MSD3@5
14-Nov-20	15:58	0	Read Baseline
14-Nov-20	16:00	145	A0K0255-22RE1@200
14-Nov-20	16:02	0	Read Baseline
14-Nov-20	16:04	106	0K14002-CCV6
14-Nov-20	16:06	0	0K14002-CCB6
14-Nov-20	16:08	0	Read Baseline
14-Nov-20	16:10	146	A0K0255-23RE1@200
14-Nov-20	16:12	148	A0K0255-28RE1@25
14-Nov-20	16:14	149	A0K0255-29RE1@500
14-Nov-20	16:16	0	Read Baseline
14-Nov-20	16:18	150	A0K0255-30RE1@50
14-Nov-20	16:20	151	0110412-MS4@50
14-Nov-20	16:22	152	0110412-MSD4@50
14-Nov-20	16:24	0	Read Baseline
14-Nov-20	16:26	153	A0K0255-31RE1@500
14-Nov-20	16:28	154	A0K0255-32RE1@250
14-Nov-20	16:30	0	Read Baseline
14-Nov-20	16:32	155	A0K0255-33RE1@500
14-Nov-20	16:34	156	A0K0255-34RE1@500
14-Nov-20	16:36	0	Read Baseline
14-Nov-20	16:38	106	0K14002-CCV7
14-Nov-20	16:40	0	0K14002-CCB7
14-Nov-20	16:42	0	Read Baseline
14-Nov-20	16:44	158	A0K0288-06RE1@20

Result path	C:\FLOW_4\0K14002A.RST
Sample table path	C:\FLOW_4\totcn50.tbl
Method path	C:\FLOW_4\totcn50.mth
Date acquired	14-Nov-20
Time acquired	17:25

Date	Time	Cup	Name
14-Nov-20	16:46	159	A0K0288-07RE1@50
14-Nov-20	16:48	0	Read Baseline
14-Nov-20	16:50	160	A0K0288-08RE1@25
14-Nov-20	16:52	201	A0K0288-09RE1@50
14-Nov-20	16:54	0	Read Baseline
14-Nov-20	17:08	106	0K14002-CCV8
14-Nov-20	17:10	0	0K14002-CCB8
14-Nov-20	17:12	0	Read Baseline

TOTAL CN 50ppb:Calibration 1: Peak 6-145

File name: C:\FLOW_4\0K14002A.RST
Date: 14-Nov-20
Operator: WVO

*	Name	Conc	Area
*	Cal 0.0 ppb	0.000000	-36140.648438
*	Cal 1.0 ppb	1.000000	15054.177734
*	Cal 2.0 ppb	2.000000	48285.351562
*	Cal 5.0 ppb	5.000000	173210.937500
*	Cal 10.0 ppb	10.000000	406000.406250
*	Cal 25.0 ppb	25.000000	1172547.000000
*	Cal 50.0 ppb	50.000000	2325517.250000

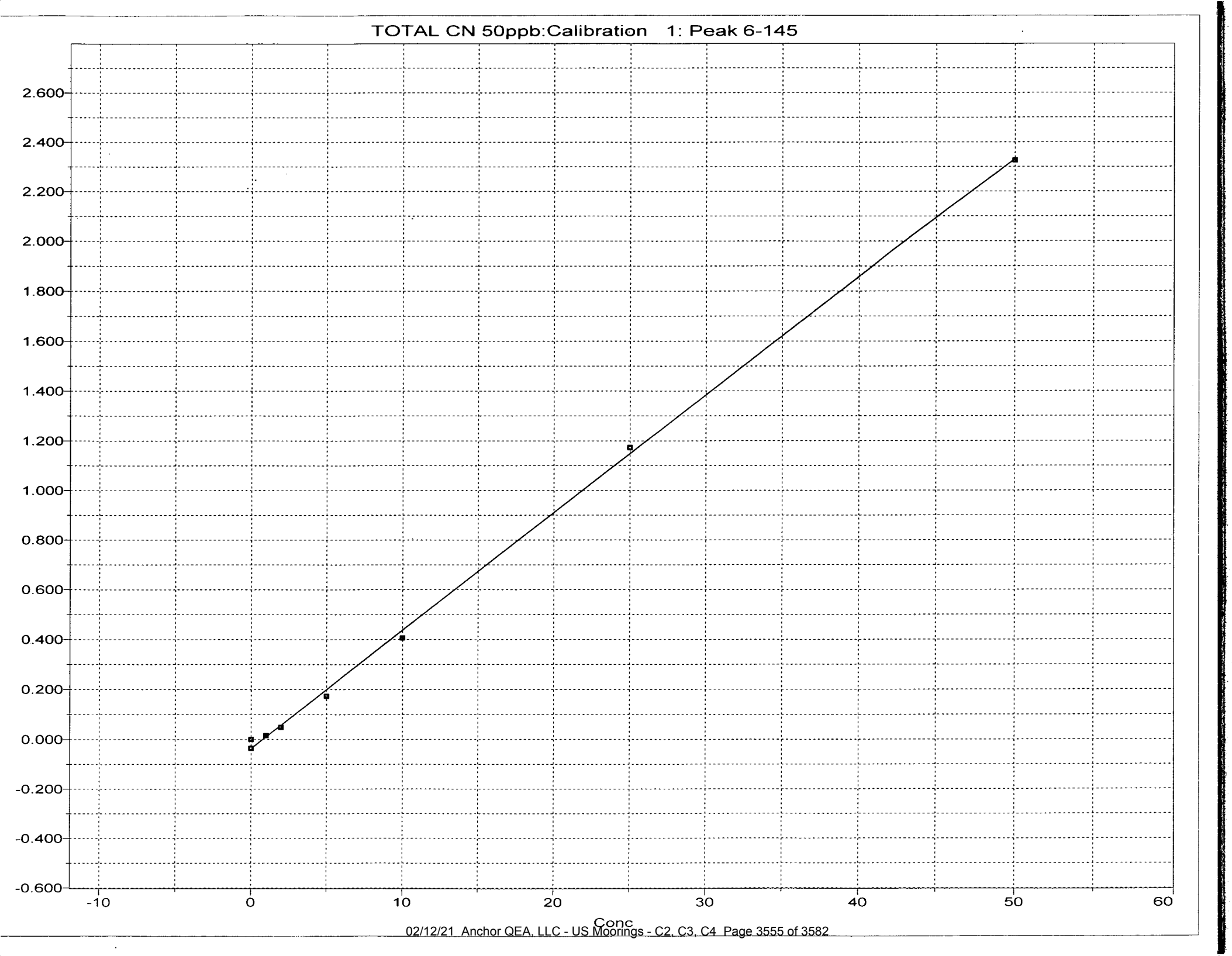
Calib Coef:
x=cyy+by+a
a: (intercept) 7.9859e-01
b: 2.1083e-05
c: 1.0895e-14

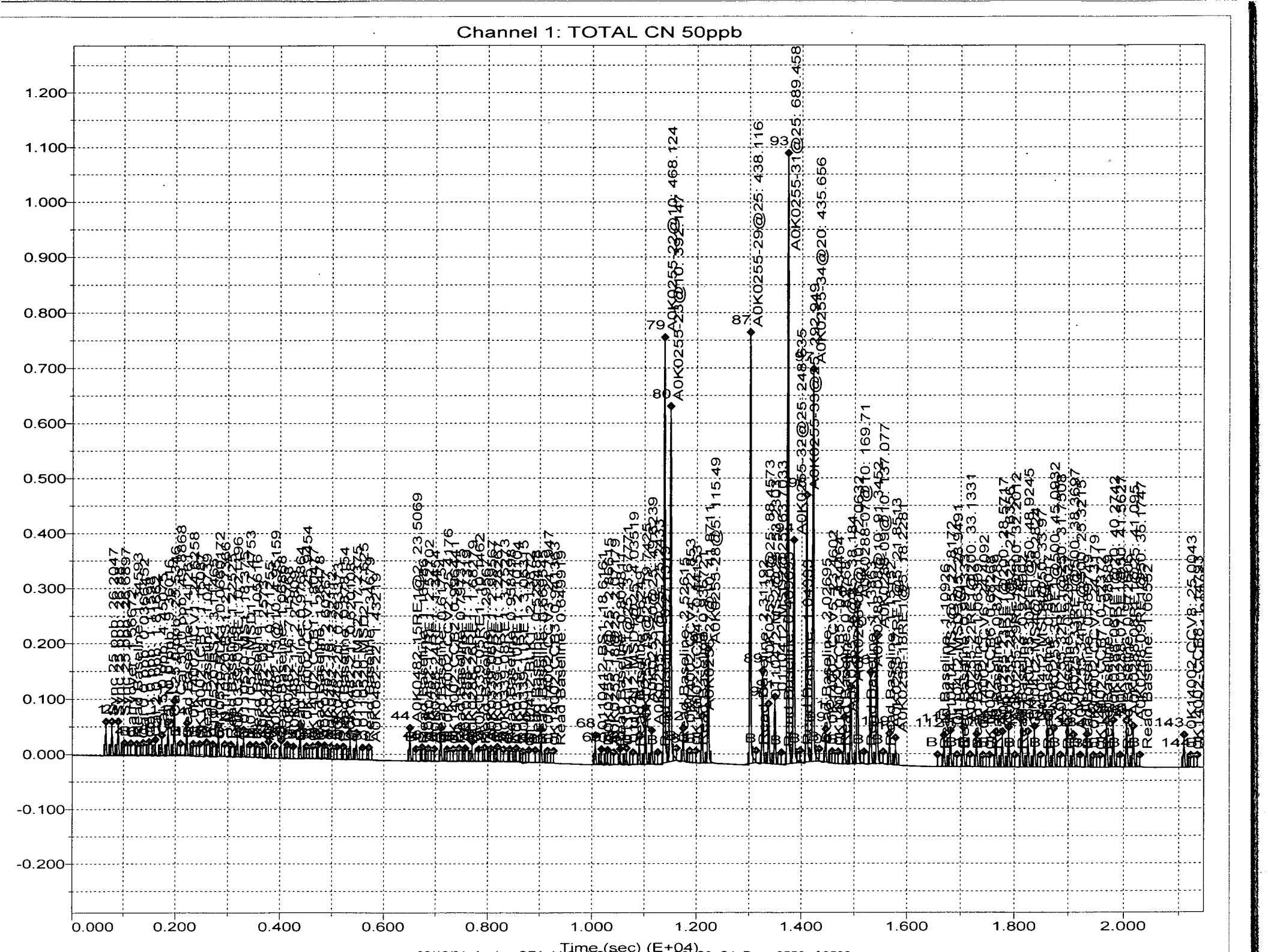
Corr Coef: 0.999610

11/18/2020

Carryover: n/a

No Drift Peaks


TOTAL CN 50ppb:Calibration 1: Peak 6-145
2.600
2.400
2.200
2.000
1.800
1.600
1.400
1.200
1.000
0.800
0.600
0.400
0.200
0.000
-0.200
-0.400
-0.600
-10
0
10
20
30
40
50
60
Conc


Channel 1: TOTAL CN 50ppb
1.200
1.100
1.000
0.900
0.800
0.700
0.600
0.500
0.400
0.300
0.200
0.100
0.000
-0.100
-0.200
0.000
0.200
0.400
0.600
0.800
1.000
1.200
1.400
1.600
1.800
2.000
Time (sec) (E+04)

Conventional Chemistry Parameters

Total Organic Carbon- Soil (5310 B)
Benchsheet & Analysis Sequence Data

Batch 1012499
Sequence 1A06056 (A0K0482-01,02,03,04,05,10,11,12,13,14,18,19,20,21,22)

APEX LABORATORIES

Apex Laboratories

PREPARATION BENCH SHEET

JAN 1 2 2021

BATCH #: 1012499 (Soil)

Prep Method: PSEP-5310B TOC

#	Lab Number		Analysis	Prepared	Initial (N/A)	Final (N/A)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH <2	pH Other	pH >11
	1012499-BLK1		QC	01/05/21 09:25	0.2	0.2									
	1012499-BS1		QC	01/05/21 09:25	0.2	0.2	A20L111		1						
	A0K0482-01	A	Total Organic Carbon - Sediment (PSEP/BC)	01/05/21 09:25	0.2	0.2					USMPDI-003SC-A-01-02-201110				
	A0K0482-02	A	Total Organic Carbon - Sediment (PSEP/BC)	01/05/21 09:25	0.2	0.2					USMPDI-003SC-A-02-03-201110				
	A0K0482-03	B	Total Organic Carbon - Sediment (PSEP/BC)	01/05/21 09:25	0.2	0.2					USMPDI-003SC-A-03-04-201110	DUP			
	1012499-DUP1		QC	01/05/21 09:25	0.2	0.2		A0K0482-03							
	1012499-DUP2		QC	01/05/21 09:25	0.2	0.2		A0K0482-03							
	A0K0482-04	A	Total Organic Carbon - Sediment (PSEP/BC)	01/05/21 09:25	0.2	0.2					USMPDI-003SC-A-04-05-201110				
	A0K0482-05	A	Total Organic Carbon - Sediment (PSEP/BC)	01/05/21 09:25	0.2	0.2					USMPDI-1003SC-A-01-02-201110				
	A0K0482-10	B	Total Organic Carbon - Sediment (PSEP/BC)	01/05/21 09:25	0.2	0.2					USMPDI-003SC-B-06-08-201110				
	A0K0482-11	A	Total Organic Carbon - Sediment (PSEP/BC)	01/05/21 09:25	0.2	0.2					USMPDI-006SC-A-01-02-201110				
	A0K0482-12	A	Total Organic Carbon - Sediment (PSEP/BC)	01/05/21 09:25	0.2	0.2					USMPDI-006SC-A-02-03-201110				
	A0K0482-13	A	Total Organic Carbon - Sediment (PSEP/BC)	01/05/21 09:25	0.2	0.2					USMPDI-006SC-A-03-04-201110				
	A0K0482-14	A	Total Organic Carbon - Sediment (PSEP/BC)	01/05/21 09:25	0.2	0.2					USMPDI-006SC-A-04-05-201110				
	A0K0482-18	B	Total Organic Carbon - Sediment (PSEP/BC)	01/05/21 09:25	0.2	0.2					USMPDI-006SC-D-06-08-201110				
	A0K0482-19	B	Total Organic Carbon - Sediment (PSEP/BC)	01/05/21 09:25	0.2	0.2					USMPDI-006SC-D-08-10-201110				
	A0K0482-20	B	Total Organic Carbon - Sediment (PSEP/BC)	01/05/21 09:25	0.2	0.2					USMPDI-006SC-D-10-12-201110				
	A0K0482-21	D	Total Organic Carbon - Sediment (PSEP/BC)	01/05/21 09:25	0.2	0.2					USMPDI-006SC-D-12-14-201110	DUP			
	1012499-DUP3		QC	01/05/21 09:25	0.2	0.2		A0K0482-21							

WO 01/05/2021
Prepared By: Date

Reviewed By: 1/7/2021
Date

Printed: 1/5/2021 9:26:50AM

Apex Laboratories

PREPARATION BENCH SHEET

BATCH #: 1012499 (Soil)

Prep Method: PSEP-5310B TOC

#	Lab Number		Analysis	Prepared	Initial (N/A)	Final (N/A)	Spike ID	Source ID	ul Spike	ul Surr.	Sample ID	Extraction Comments	pH <2	pH Other	pH >11
	A0K0482-22	B	Total Organic Carbon - Sediment (PSEP/BC)	01/05/21 09:25	0.2	0.2					USMPDI-1006SC-D-10-12-201110				

Standards/Reagents

Reagent(s)

Std ID	Exp. Date	Description
A19F020	06/03/29	TOC Soil Drying Oven @70oC
A19J023	11/30/23	Wet Chem Balance 4
A19J145	05/30/22	TOC Soil Blank Matrix ✓
A19K369	11/27/24	VWR002V
A20J425	11/30/23	Wet Chem Balance 5
A20L103	06/05/21	10% Phosphoric Acid

Analyte Spike(s)

Std ID	Exp. Date	Description
A20L111	06/06/21	TOC 10k ppm secondary ✓

Surrogate(s)

Std ID	Exp. Date	Description

Prepared By: Date

Reviewed By: Date

Batch#: 1012499

Analyst: wvo

TOC soil drying

Date: 01/05/21

Page : 1 of ____

	Date/ Time:	1/6/2021 8:55	1/6/2021					
	Oven Temp.(°C) in/out:	68.5/69.0	68.6/69.0	/	/			
Sample ID	Tare Weight (g)	Wet Weight (g)	Dried Weight (g) 1st weighing	2nd Weighing	3rd Weighing	4th Weighing	Comments	Effervesces? (Y or N)	Correction Factor
1012499-BLK1									
1012499-BS1									
A0K0482-01	1.2667	10.7422	7.9977	**7.9951**				N	0.71008
A0K0482-02	1.2714	10.8327	**8.7969**	8.8001				N	0.78708
A0K0482-03	1.2684	10.0341	**8.6087**	8.6104				N	0.83739
1012499-DUP1	1.2796	10.3009	8.8104	**8.8099**			A0K0482-03	N	0.83472
1012499-DUP2							1012499-DUP1	N	
A0K0482-04	1.2609	10.0785	**7.9968**	7.9997				N	0.76392
A0K0482-05	1.2632	10.1849	**7.6180**	7.6187				N	0.71229
A0K0482-10	1.2623	10.6999	**9.0258**	9.0279				N	0.82261
A0K0482-11	1.2414	10.3044	**7.1404**	7.1414				N	0.65089
A0K0482-12	1.2595	10.1689	**8.0118**	8.0162				N	0.75788
A0K0482-13	1.2596	10.8395	**9.1101**	9.1130				N	0.81948
A0K0482-14	1.2637	10.3004	**8.5849**	8.5880				N	0.81016
A0K0482-18	1.2702	10.6604	**8.6016**	8.6038				N	0.78075
A0K0482-19	1.2670	10.9782	**8.7201**	8.7224				N	0.76747
A0K0482-20	1.2572	10.6761	**8.1431**	8.1449				N	0.73107
A0K0482-21	1.2656	10.5619	**8.0785**	8.0800				N	0.73286
1012499-DUP3	1.2605	10.6119	**8.0852**	8.0901			A0K0482-21	N	0.72981
A0K0482-22	1.2648	10.9229	**8.2569**	8.2607				N	0.72396

APEX LABORATORIES

ELEMENT SEQUENCE LOG

Apex Laboratories

JAN 1 2 2021

Sequence: 1A06056 – Instrument: TOC6

Date: 01/06/21 12:47 Calibration: A0H1904 –

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	1A06056-CCV1	Soil	QC	QC				A20L110 –
2	1A06056-CCB1	Soil	QC	QC				
3	1012499-BLK1	Soil	QC	QC		1012499		
4	1012499-BS1	Soil	QC	QC		1012499		
5	A0K0482-01	Soil	Total Organic Carbon - Sediment (PSI	Anchor QEA, LLC	01/14/21	1012499		
6	A0K0482-02	Soil	Total Organic Carbon - Sediment (PSI	Anchor QEA, LLC	01/14/21	1012499		
7	A0K0482-03	Soil	Total Organic Carbon - Sediment (PSI	Anchor QEA, LLC	01/14/21	1012499		
8	1012499-DUP1	Soil	QC	QC		1012499		
9	1012499-DUP2	Soil	QC	QC		1012499		
10	A0K0482-04	Soil	Total Organic Carbon - Sediment (PSI	Anchor QEA, LLC	01/14/21	1012499		
11	A0K0482-05	Soil	Total Organic Carbon - Sediment (PSI	Anchor QEA, LLC	01/14/21	1012499		
12	A0K0482-10	Soil	Total Organic Carbon - Sediment (PSI	Anchor QEA, LLC	01/14/21	1012499		
13	1A06056-CCV2	Soil	QC	QC				A20L110 –
14	1A06056-CCB2	Soil	QC	QC				
15	A0K0482-11	Soil	Total Organic Carbon - Sediment (PSI	Anchor QEA, LLC	01/14/21	1012499		
16	A0K0482-12	Soil	Total Organic Carbon - Sediment (PSI	Anchor QEA, LLC	01/14/21	1012499		
17	A0K0482-13	Soil	Total Organic Carbon - Sediment (PSI	Anchor QEA, LLC	01/14/21	1012499		
18	A0K0482-14	Soil	Total Organic Carbon - Sediment (PSI	Anchor QEA, LLC	01/14/21	1012499		
19	A0K0482-18	Soil	Total Organic Carbon - Sediment (PSI	Anchor QEA, LLC	01/14/21	1012499		
20	A0K0482-19	Soil	Total Organic Carbon - Sediment (PSI	Anchor QEA, LLC	01/14/21	1012499		
21	A0K0482-20	Soil	Total Organic Carbon - Sediment (PSI	Anchor QEA, LLC	01/14/21	1012499		
22	A0K0482-21	Soil	Total Organic Carbon - Sediment (PSI	Anchor QEA, LLC	01/14/21	1012499		
23	1012499-DUP3	Soil	QC	QC		1012499		
24	A0K0482-22	Soil	Total Organic Carbon - Sediment (PSI	Anchor QEA, LLC	01/14/21	1012499		
25	1A06056-CCV3	Soil	QC	QC				A20L110 –
26	1A06056-CCB3	Soil	QC	QC				

Data Entered By/Date: 01/07/21 WO

Comments:

Data Reviewed By/Date: 1/7/2021

Sequence: 1A06056

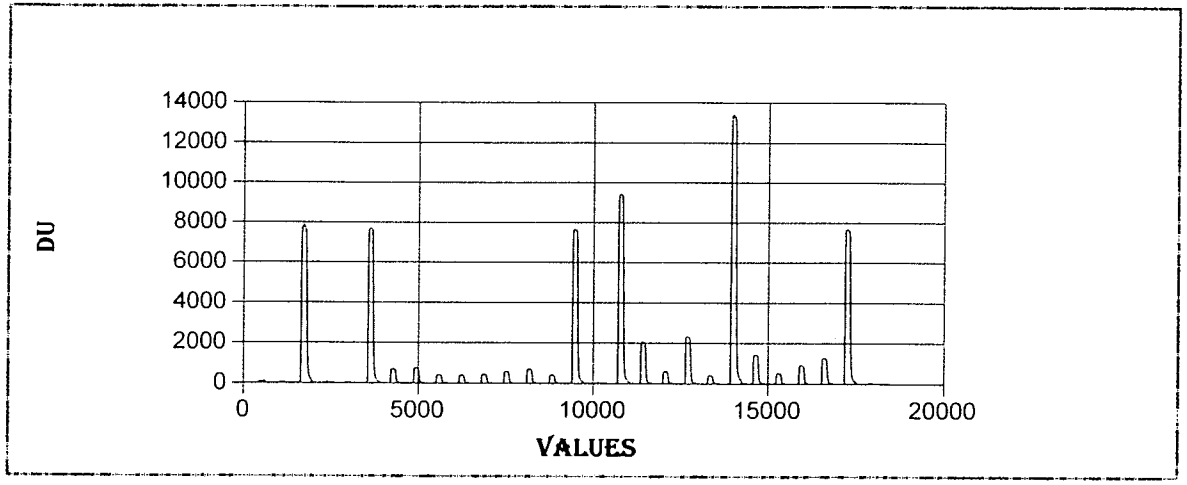
TOC soil final data

Analyst: WVO

Sample ID	> > > IF < < < sample is a QC reshot, replace formula with sample ID used for drying	Skalar TOC result (mg/kg)	70 °C drying correction factor (if not dried = 1)	acidification correction factor (if not acidified = 1)	Result for Element (mg/kg)
1A06056-CCV1	1A06056-CCV1	9828.408	1	1	9828.408
1A06056-CCB1	1A06056-CCB1	48.287	1	1	48.287
1012499-BLK1	1012499-BLK1	51.344	1	1	51.344
1012499-BS1	1012499-BS1	8952.655	1	1	8952.655
A0K0482-01	A0K0482-01	789.502	0.71008	1	560.6095802
A0K0482-02	A0K0482-02	855.452	0.78708	1	673.3091602
A0K0482-03	A0K0482-03	463.962	0.83739	1	388.5171392
1012499-DUP1	1012499-DUP1	454.628	0.83472	1	379.4870842
1012499-DUP2	1012499-DUP1	501.178	0.83472	1	418.3433002
A0K0482-04	A0K0482-04	659.63	0.76392	1	503.9045496
A0K0482-05	A0K0482-05	792.756	0.71229	1	564.6721712
A0K0482-10	A0K0482-10	472.567	0.82261	1	388.7383399
1A06056-CCV2	1A06056-CCV2	8965.336	1	1	8965.336
1A06056-CCB2	1A06056-CCB2	45.216	1	1	45.216
A0K0482-11	A0K0482-11	10657.008	0.65089	1	6936.539937
A0K0482-12	A0K0482-12	2309.498	0.75788	1	1750.322344
A0K0482-13	A0K0482-13	678.58	0.81948	1	556.0827384
A0K0482-14	A0K0482-14	2626.16	0.81016	1	2127.609786
A0K0482-18	A0K0482-18	473.002	0.78075	1	369.2963115
A0K0482-19	A0K0482-19	15105.564	0.76747	1	11593.0672
A0K0482-20	A0K0482-20	1626.775	0.73107	1	1189.286399
A0K0482-21	A0K0482-21	591.441	0.73286	1	433.4434513
1012499-DUP3	1012499-DUP3	1042.079	0.72981	1	760.519675
A0K0482-22	A0K0482-22	1451.419	0.72396	1	1050.769299
1A06056-CCV3	1A06056-CCV3	9010.434	1	1	9010.434
1A06056-CCB3	1A06056-CCB3	48.755	1	1	48.755

Method:	TCDirect	Run Start Time:	1/6/2021 3:13:15 PM
Method Type:	TC_DIRECT	Run End Time:	1/6/2021 8:21:16 PM
Table:	1A06056	Device ID:	TOC6
Analyst:	Administrator	Run Name:	SN10020210106A1

Cup Position	Sample ID	Weight (mg)	Final Result (mg/kg)	Result mg C abs	Peak Area	Analysed Date and time
A100	PRIME	200	130.193	0.026	17422.5	1/6/2021 3:13:26 PM
A2	BLANK	200	45.901	0.009	6142.55	1/6/2021 3:24:40 PM
A1	1A06056-CCV1	200	9828.408	1.966	1315246.82	1/6/2021 3:35:33 PM
A2	1A06056-CCB1	200	48.287	0.01	6461.755	1/6/2021 3:46:19 PM
A3	1012499-BLK1	212.4	51.344	0.011	7296.94	1/6/2021 3:57:05 PM
A4	1012499-BS1	200	8952.655	1.791	1198052.73	1/6/2021 4:07:52 PM
A5	A0K0482-01	206.9	789.502	0.163	109296.93	1/6/2021 4:18:38 PM
A6	A0K0482-02	206	855.452	0.176	117911.775	1/6/2021 4:29:24 PM
A7	A0K0482-03	207.8	463.962	0.096	64509.205	1/6/2021 4:40:11 PM
A8	1012499-DUP1	206.6	454.628	0.094	62846.49	1/6/2021 4:50:58 PM
A9	1012499-DUP2	207	501.178	0.104	69415.55	1/6/2021 5:01:44 PM
A10	A0K0482-04	205.7	659.63	0.136	90788.075	1/6/2021 5:12:31 PM
A11	A0K0482-05	207.1	792.756	0.164	109853.52	1/6/2021 5:23:18 PM
A12	A0K0482-10	206.9	472.567	0.098	65421.125	1/6/2021 5:34:04 PM
A13	1A06056-CCV2	200	8965.336	1.793	1199749.7	1/6/2021 5:44:51 PM
A2	1A06056-CCB2	200	45.216	0.009	6050.84	1/6/2021 5:55:37 PM
A14	A0K0482-11	206	10657.008	2.195	1468914.77	1/6/2021 6:06:31 PM
A15	A0K0482-12	208.5	2309.498	0.482	322194.135	1/6/2021 6:17:25 PM
A16	A0K0482-13	205.8	678.58	0.14	93441.675	1/6/2021 6:28:11 PM
A17	A0K0482-14	207.3	2626.16	0.544	364262.55	1/6/2021 6:38:58 PM
A18	A0K0482-18	206.5	473.002	0.098	65354.715	1/6/2021 6:49:44 PM
A19	A0K0482-19	206.3	15105.564	3.116	2085116.17	1/6/2021 7:00:31 PM
A20	A0K0482-20	207.9	1626.775	0.338	226295.6	1/6/2021 7:11:17 PM
A21	A0K0482-21	208.7	591.441	0.123	82590.04	1/6/2021 7:22:04 PM
A22	1012499-DUP3	208.3	1042.079	0.217	145239.24	1/6/2021 7:32:50 PM
A23	A0K0482-22	206.8	1451.419	0.3	200834.04	1/6/2021 7:43:37 PM
A24	1A06056-CCV3	200	9010.434	1.802	1205784.76	1/6/2021 7:54:24 PM
A2	1A06056-CCB3	200	48.755	0.01	6524.4	1/6/2021 8:05:10 PM

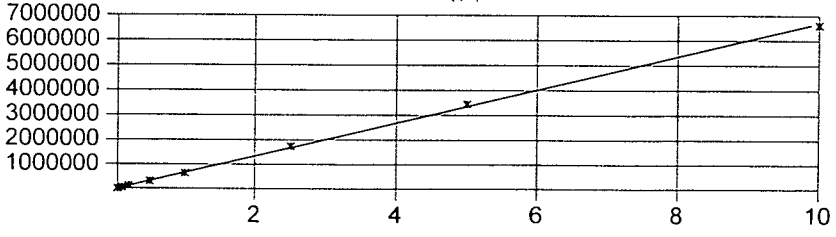


SNACCESS

RUN NAME : SN10020200818A3 METHOD NAME : TCDIRECT CALIBRATION TYPE : I

ORDER FORCED THRO ZERO GROUP : 1

A = 0.00000000000000 B = 669104.68364697200000 R = 0.99973664180877 R-SQUARED = 0.99942005573222 ✓ OL cmr 11/7/2021



Conventional Chemistry Parameters

Total Organic Carbon- Soil (5310 B)
Calibration Data

Sequence 0H18059 (Cal ID A0H1904) TOC6

APEX LABORATORIES

ELEMENT SEQUENCE LOG

Apex Laboratories

AUG 2 4 2020

Sequence: 0H18059 ~ Instrument: TOC6

Date: 08/18/20 16:37 Calibration: ~~A0H1804~~ A0H19024 WO 8/19/20

#	Lab Number	Matrix	Analysis	Client	Due	Batch	ISTD ID	STD ID
1	0H18059-CAL1	Sediment	QC	QC				
2	0H18059-CAL2	Sediment	QC	QC				A20H281 ~
3	0H18059-CAL3	Sediment	QC	QC				A20H282 ~
4	0H18059-CAL4	Sediment	QC	QC				A20H283 ~
5	0H18059-CAL5	Sediment	QC	QC				A20H284 ~
6	0H18059-CAL6	Sediment	QC	QC				A20H285 ~
7	0H18059-CAL7	Sediment	QC	QC				A20H286 ~
8	0H18059-CAL8	Sediment	QC	QC				A20H287 ~
9	0H18059-CAL9	Sediment	QC	QC				A20H288 ~
10	0H18059-ICV1	Sediment	QC	QC				A20E110 ~
11	0H18059-ICB1	Sediment	QC	QC				

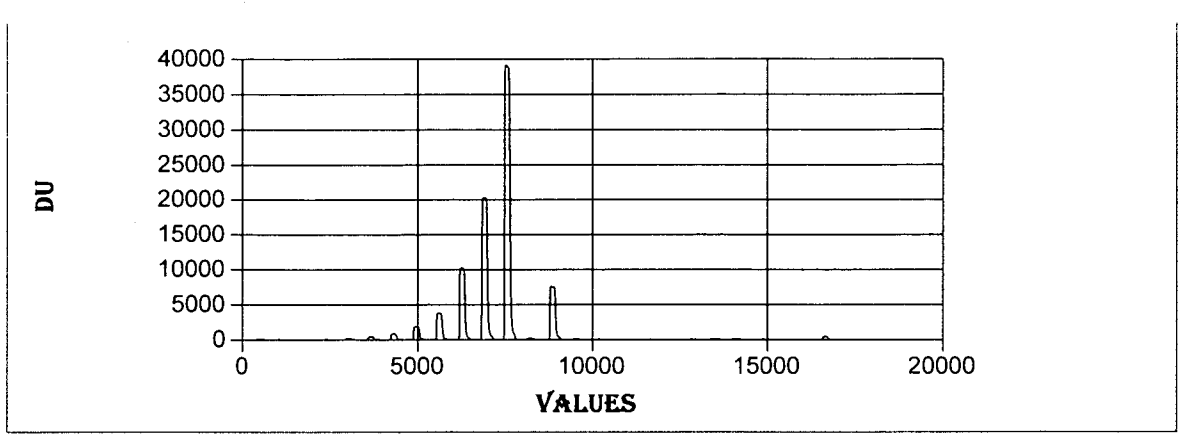
Comments:

Data Entered By/Date: WO 8/18/20

Data Reviewed By/Date: amz 8/19/2020

Method:	TCDirect	Run Start Time:	8/18/2020 4:59:13 P
Method Type:	TC_DIRECT	Run End Time:	8/18/2020 9:46:17 P
Table:	0H18059	Device ID:	TOC6
Analyst:	Administrator	Run Name:	SN10020200818A3

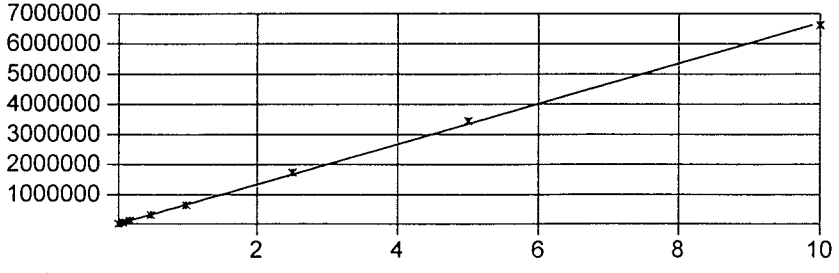
Cup Position	Sample ID	Weight (mg)	Final Result (mg/kg)	Result mg C abs	Peak Area	Analysed Date and time
A98	prime	200	105.248	0.021	14084.43	8/18/2020 4:59:24 PM
A18	blank	200	0	0	0	8/18/2020 5:10:25 PM
A2	blank	200	19.356	0.004	2590.265	8/18/2020 5:21:20 PM
A18	0H18059-CAL1	200	0	0	0	8/18/2020 5:32:13 PM
A19	0H18059-CAL2	40	1140.934	0.046	30536.16	8/18/2020 5:43:07 PM
A20	0H18059-CAL3	100	1075.239	0.108	71944.735	8/18/2020 5:53:54 PM
A21	0H18059-CAL4	200	1074.057	0.215	143731.35	8/18/2020 6:04:42 PM
A22	0H18059-CAL5	50	9779.244	0.489	327166.91	8/18/2020 6:15:28 PM
A23	0H18059-CAL6	100	9754.176	0.975	652656.49	8/18/2020 6:26:14 PM
A24	0H18059-CAL7	250	10405.909	2.601	1740660.62	8/18/2020 6:37:07 PM
A25	0H18059-CAL8	500	10328.711	5.164	3455494.44	8/18/2020 6:47:54 PM
A26	0H18059-CAL9	1000	9895.069	9.895	6620837.05	8/18/2020 6:58:40 PM
A98	0H18059-IBL1	200	251.829	0.05	33699.97	8/18/2020 7:09:26 PM
A27	0H18059-ICV1	200	9819.341	1.964	1314033.455	8/18/2020 7:20:27 PM
A2	0H18059-ICB1	200	162.52	0.033	21748.54	8/18/2020 7:31:13 PM
A19	CLEAN19	200	85.855	0.017	11489.14	8/18/2020 7:42:06 PM
A20	CLEAN20	200	62.561	0.013	8372.015	8/18/2020 7:53:00 PM
A21	CLEAN21	200	48.713	0.01	6518.76	8/18/2020 8:03:53 PM
A22	CLEAN22	200	48.015	0.01	6425.385	8/18/2020 8:14:46 PM
A23	CLEAN23	200	69.557	0.014	9308.23	8/18/2020 8:25:32 PM
A24	CLEAN24	200	46.695	0.009	6248.81	8/18/2020 8:36:19 PM
A25	CLEAN25	200	89.279	0.018	11947.395	8/18/2020 8:47:05 PM
A26	CLEAN26	200	49.395	0.01	6610.08	8/18/2020 8:57:52 PM
A27	CLEAN27	200	50.304	0.01	6731.79	8/18/2020 9:08:38 PM
A28	CLEAN28	200	23.025	0.005	3081.205	8/18/2020 9:19:31 PM
A30	CLEAN30	200	558.249	0.112	74705.365	8/18/2020 9:30:18 PM



SNACCESS

METHOD NAME : TCDIRECT CALIBRATION TYPE : I ORDER FORCED THRO ZERO GROUP : 1

A = 0.00000000000000 B = 669104.68364697200000 R = 0.99973664180877 R-SQUARED = 0.99942005573222

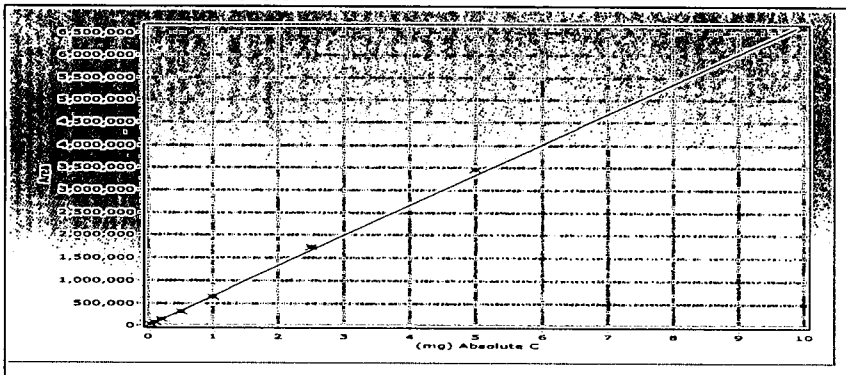


Date : 8/19/2020

Run start date time : 8/18/2020 4:59:13 PM Run end date : 8/18/2020 9:46:13 PM

Run Display Name : 0H18059 Run DB : SN10020200818A3

Created User : Administrator



Method Name :	TCDirect		
Type :	1Order Forced thro Zer	Group =	1
a =	0	r =	0.99973664180877
b =	669104.683646972	R-Squared =	0.99942005573222

Serial No	Position	Type	Identity	Weight	Peak Area	Residuals
5	A19	S	0H18059-CAL2	40	30536.1600	12.3525
6	A20	S	0H18059-CAL3	100	71944.7350	6.9974
7	A21	S	0H18059-CAL4	200	143731.3500	6.8951
8	A22	S	0H18059-CAL5	50	327166.9100	2.2574
9	A23	S	0H18059-CAL6	100	652656.4900	2.5202
10	A24	S	0H18059-CAL7	250	1740660.6200	3.9008
11	A25	S	0H18059-CAL8	500	3455494.4400	3.1825
12	A26	S	0H18059-CAL9	1000	6620837.0500	1.0604

ok cmr 8/19/2020

Total Solids by SM2540G
Benchsheet Data

Batch 0110543 (A0K0482-01,02,03,04,05,08,09,10,11,12,13,14,15,16,17,18,19,20,21)
Batch 1012592 (A0K0482-22)

APEX LABORATORIES

Apex Laboratories

PREPARATION BENCH SHEET

NOV 2 5 2020

Percent Solids + Dry Weight Worksheet

BATCH #: 0110543 (Matrix: Sediment)

Lab Number	Analysis	QC Source ID	Prepared (Time In)	Weighed (Time Out)	Tare Wt. (g)	Wet Weight (+Tare) (g)	Dry Weight (+Tare) (g)	% Solids (Calc)	LogComments
A0K0482-01	Dry Weight		11/16/20 10:54		1.2893	28.1430	19.4309	67.6	use TS data, make non-reportable
A0K0482-01	Solids, Total (SM 254		11/16/20 10:54		1.2893	28.1430	19.4309	67.6	enter TS data in dry wt
A0K0482-02	Dry Weight		11/16/20 10:54		1.2947	28.6368	22.8526	78.8	use TS data, make non-reportable
A0K0482-02	Solids, Total (SM 254		11/16/20 10:54		1.2947	28.6368	22.8526	78.8	enter TS data in dry wt
A0K0482-03	Dry Weight		11/16/20 10:54		1.2751	27.3466	23.1244	83.8	use TS data, make non-reportable
A0K0482-03	Solids, Total (SM 254		11/16/20 10:54		1.2751	27.3466	23.1244	83.8	enter TS data in dry wt
0110543-DUP1	QC	A0K0482-03	11/16/20 10:54		1.2825	26.7259	22.5346	83.5	
A0K0482-04	Dry Weight		11/16/20 10:54		1.2905	27.4436	21.3769	76.8	use TS data, make non-reportable
A0K0482-04	Solids, Total (SM 254		11/16/20 10:54		1.2905	27.4436	21.3769	76.8	enter TS data in dry wt
A0K0482-05	Dry Weight		11/16/20 10:54		1.2896	28.0107	19.7629	69.1	use TS data, make non-reportable
A0K0482-05	Solids, Total (SM 254		11/16/20 10:54		1.2896	28.0107	19.7629	69.1	enter TS data in dry wt
A0K0482-07	Dry Weight		11/16/20 10:54					0.0	use TS data, make non-reportable
A0K0482-07	Solids, Total (SM 254		11/16/20 10:54					0.0	enter TS data in dry wt
A0K0482-08	Dry Weight		11/16/20 10:54		1.2764	27.1147	21.6300	78.8	use TS data, make non-reportable
A0K0482-08	Solids, Total (SM 254		11/16/20 10:54		1.2764	27.1147	21.6300	78.8	enter TS data in dry wt
A0K0482-09	Dry Weight		11/16/20 10:54		1.2831	29.8747	23.7578	78.6	use TS data, make non-reportable
A0K0482-09	Solids, Total (SM 254		11/16/20 10:54		1.2831	29.8747	23.7578	78.6	enter TS data in dry wt
A0K0482-10	Dry Weight		11/16/20 10:54		1.2776	26.3507	22.1648	83.3	use TS data, make non-reportable
A0K0482-10	Solids, Total (SM 254		11/16/20 10:54		1.2776	26.3507	22.1648	83.3	enter TS data in dry wt
A0K0482-11	Dry Weight		11/16/20 10:54		1.2862	28.0170	17.7226	61.5	use TS data, make non-reportable
A0K0482-11	Solids, Total (SM 254		11/16/20 10:54		1.2862	28.0170	17.7226	61.5	enter TS data in dry wt

QMB 11/18/20
Prepared By: Date

Reviewed By: 11/19/2020
Date

Printed: 11/18/2020 7:08:44PM

APEX LABORATORIES

Apex Laboratories

PREPARATION BENCH SHEET

Percent Solids + Dry Weight Worksheet

BATCH #: 0110543 (Matrix: Sediment)

Lab Number	Analysis	QC Source ID	Prepared (Time In)	Weighed (Time Out)	Tare Wt. (g)	Wet Weight (+Tare) (g)	Dry Weight (+Tare) (g)	% Solids (Calc)	LogComments
A0K0482-12	Dry Weight		11/16/20 10:54		1.2911	27.7894	19.6189	69.2	use TS data, make non-reportable
A0K0482-12	Solids, Total (SM 254		11/16/20 10:54		1.2911	27.7894	19.6189	69.2	enter TS data in dry wt
A0K0482-13	Dry Weight		11/16/20 10:54		1.2888	27.0234	22.1574	81.1	use TS data, make non-reportable
A0K0482-13	Solids, Total (SM 254		11/16/20 10:54		1.2888	27.0234	22.1574	81.1	enter TS data in dry wt
A0K0482-14	Dry Weight		11/16/20 10:54		1.2735	29.9560	25.1370	83.2	use TS data, make non-reportable
A0K0482-14	Solids, Total (SM 254		11/16/20 10:54		1.2735	29.9560	25.1370	83.2	enter TS data in dry wt
A0K0482-15	Dry Weight		11/16/20 10:54		1.2795	28.1013	16.5596	57.0	use TS data, make non-reportable
A0K0482-15	Solids, Total (SM 254		11/16/20 10:54		1.2795	28.1013	16.5596	57.0	enter TS data in dry wt
A0K0482-16	Dry Weight		11/16/20 10:54		1.2793	27.5212	21.4950	77.0	use TS data, make non-reportable
A0K0482-16	Solids, Total (SM 254		11/16/20 10:54		1.2793	27.5212	21.4950	77.0	enter TS data in dry wt
A0K0482-17	Dry Weight		11/16/20 10:54		1.2797	27.3581	22.5642	81.6	use TS data, make non-reportable
A0K0482-17	Solids, Total (SM 254		11/16/20 10:54		1.2797	27.3581	22.5642	81.6	enter TS data in dry wt
A0K0482-18	Dry Weight		11/16/20 10:54		1.2622	30.253	24.1641	79.0	use TS data, make non-reportable
A0K0482-18	Solids, Total (SM 254		11/16/20 10:54		1.2622	30.253	24.1641	79.0	enter TS data in dry wt
A0K0482-19	Dry Weight		11/16/20 10:54		1.2668	27.1871	20.9335	75.9	use TS data, make non-reportable
A0K0482-19	Solids, Total (SM 254		11/16/20 10:54		1.2668	27.1871	20.9335	75.9	enter TS data in dry wt
A0K0482-20	Dry Weight		11/16/20 10:54		1.2685	27.7827	20.5652	72.8	use TS data, make non-reportable
A0K0482-20	Solids, Total (SM 254		11/16/20 10:54		1.2685	27.7827	20.5652	72.8	enter TS data in dry wt
A0K0482-21	Dry Weight		11/16/20 10:54		1.2599	28.8275	21.5421	73.6	use TS data, make non-reportable
A0K0482-21	Solids, Total (SM 254		11/16/20 10:54		1.2599	28.8275	21.5421	73.6	enter TS data in dry wt
0110543-DUP2	QC	A0K0482-21	11/16/20 10:54		1.2576	29.2388	21.7934	73.4	

AMB 11/18/20

Prepared By: Date

Reviewed By: Date

APEX LABORATORIES

Apex Laboratories

PREPARATION BENCH SHEET

Percent Solids + Dry Weight Worksheet

BATCH #: 0110543 (Matrix: Sediment)

Lab Number	Analysis	QC Source ID	Prepared (Time In)	Weighed (Time Out)	Tare Wt. (g)	Wet Weight (+Tare) (g)	Dry Weight (+Tare) (g)	% Solids (Calc)	LogComments

AMB 11/18/20
Prepared By: Date

Reviewed By: Date

Total Solids Worksheet

Analyst: HAS Date: 11/16/20 Batch: 0110543

Sample ID	Vessel ID	Tare Weight (g)	Wet+ Tare Weight (g)	Dry Weight (g)		Comments
				1st weighing	2nd weighing	
A0K0482-01	482-01	1.2893	28.143	19.4429	19.4309	
A0K0482-02	482-02	1.2947	28.6368	22.8627	22.8526	
A0K0482-03	482-03	1.2751	27.3466	23.1331	23.1244	
0110543-DUP1	DUP1	1.2825	26.7259	22.5429	22.5346	A0K0482-03
A0K0482-04	482-04	1.2905	27.4436	21.3857	21.3769	
A0K0482-05	482-05	1.2896	28.0107	19.7731	19.7629	
A0K0482-07	482-07	1.2729	54.4134	16.4499	16.4407	wet weight incorrect. Re
A0K0482-08	482-08	1.2764	27.1147	21.6429	21.63	
A0K0482-09	482-09	1.2831	29.8747	23.7684	23.7578	
A0K0482-10	482-10	1.2776	26.3507	22.1788	22.1648	
A0K0482-11	482-11	1.2862	28.017	17.7327	17.7226	
A0K0482-12	482-12	1.2911	27.7894	19.6331	19.6189	
A0K0482-13	482-13	1.2888	27.0234	22.1726	22.1574	
A0K0482-14	483-14	1.2735	29.956	25.1525	25.137	
A0K0482-15	483-15	1.2795	28.1013	16.5728	16.5596	
A0K0482-16	483-16	1.2793	27.5212	21.5085	21.495	
A0K0482-17	483-17	1.2797	27.3581	22.5843	22.5642	
A0K0482-18	483-18	1.2622	30.253	24.1779	24.1641	
A0K0482-19	483-19	1.2668	27.1871	20.9487	20.9335	
A0K0482-20	483-20	1.2685	27.7827	20.5791	20.5652	
A0K0482-21	482-21	1.2599	28.8275	21.5546	21.5421	
0110543-DUP2	DUP2	1.2576	29.2388	21.8097	21.7934	A0K0482-21
Oven Temp at Sample Introduction				103.5	103	*Constant weight = +/- 50 mg.
Oven Temp at sample removal				103	103.0	
Time/date				11/18/20 12:13	11/18 1741	

APEX LABORATORIES

Apex Laboratories

PREPARATION BENCH SHEET

JAN 1 2 2021

Percent Solids + Dry Weight Worksheet

BATCH #: 1012592 (Matrix: Soil)

Lab Number	Analysis	QC Source ID	Prepared (Time In)	Weighed (Time Out)	Tare Wt. (g)	Wet Weight (+Tare) (g)	Dry Weight (+Tare) (g)	% Solids (Calc)	LogComments
A0K0482-22	Dry Weight		01/06/21 14:43		1.2360	29.4107	22.0219	73.8	use TS data, make non-reportable
A0K0482-22	Solids, Total (SM 254		01/06/21 14:43		1.2360	29.4107	22.0219	73.8	enter TS data in dry wt
1012592-DUP1	QC	A0K0482-22	01/06/21 14:43		1.2393	29.6795	22.0553	73.2	

QMB 01/07/21
Prepared By: Date

Reviewed By: 1/12/2021
Date

Printed: 1/7/2021 1:53:14PM

Total Solids Worksheet

Analyst: AMB Date: 01/06/21 Batch: 1012592

Sample ID	Vessel ID	Tare Weight (g)	Wet+ Tare Weight (g)	Dry Weight (g)		Comments
				1st weighing	2nd weighing	
A0K0482-22	482-22	1.236	29.4107	22.0219	22.0257	
1012592-DUP1	482-22D	1.2393	29.6795	22.0553	22.0611	A0K0482-22

Oven Temp at Sample Introduction	104.5	104.2	*Constant weight = +/- 50 mg.
Oven Temp at sample removal	104.0	103.8	
Time/date	01/07 1110	01/07 1348	

APEX LABORATORIES, LLC
6700 SW Sandburg St. Tigard OR 97223 phone 503-718-2323

Balance Checksheets

Extractions January 2021
Metals January 2021
Wet Chem November 2020
Wet Chem January 2021
Sample Control November 2020

Balance Challenge Log

Extractions
AND FX-2000
ID# 5210177

Weight ID	weight (g)	acceptance range (g)	
	=/<1g	± 0.02g	
	>1g	± 2%	
10077	0.5g	0.48	0.52
1000143395	300g	294.00	306.00

If other than as listed above, the weight and tracking ID of the mass used to challenge the balance must be recorded.

Month: Jan
Year: 2021

Alternate Weight/ID used:

Date Range:

Day/Time	Initials	Weight One	Observed	Weight Two	Observed
1					
2					
3					
4 0644	SCG		0.51		300.02
5 0646	SCG		0.51		299.99
6 0649	SCG		0.49		299.99
7 0650	SCG		0.51		300.00
8 0652	SCG		0.49		299.99
9					
10					
11 0645	SCG		0.51		300.00
12 0640	SCG		0.51		300.01
13 0652	SCG		0.50		300.00
14 0646	SCG		0.49		300.00
15 1552	CAS		0.50		300.02
16		0.50g		300.00g	
17					
18 0658	SCG		0.50		299.98
19 0654	SCG		0.51		300.00
20 0658	SCG		0.51		299.99
21 0655	SCG		0.50		300.02
22 0653	SCG		0.51		299.98
23					
24					
25 0657	SCG		0.52		299.99
26 0658	SCG		0.51		300.01
27 0658	SCG		0.51		299.59
28 0655	SCG		0.50		299.40
29 0700	SCG		0.50		299.98
30					
31					

Balance Challenge Log

Metals Prep Balance 2
Sartorius LC 620 P
40020073

Weight ID	weight (g) =/<1g >1g	acceptance range (g) ± 0.02g ± 2%	
03-J68049-19	0.100g	0.080	0.120
03-J68814-10	10g	9.800	10.200
15477 (100g + 500g)	600g	588.000	612.000

If other than as listed above, the weight and tracking ID of the mass used to challenge the balance must be recorded.

Month: January
Year: 2021

Alternate Weight/ID used:

Date Range:

Day/Time	Initials	Weight 1	Observed	Weight 2	Observed	Weight 3	Observed
1							
2							
3							
4 803	MJG		599.990		10.000		0.099
5 853	JHH		599.990		10.001		0.101
6 849	JHH		599.990		10.000		0.101
7 839	JHH		599.990		9.999		0.100
8 755	MJG		599.985		9.999		0.100
9							
10							
11 747	MJG		599.985		9.999		0.100
12 817	MJG		599.995		10.003		0.103
13 905	JHH		599.995		9.999		0.100
14 912	JHH		599.990		9.999		0.101
15 1408	MJG		599.990		9.998		0.099
16		600.000g		10.000g		0.100g	
17							
18 800	MJG		599.985		10.000		0.100
19 751	MJG		599.990		10.006		0.106
20 748	MAB		599.985		10.000		0.099
21 756	MAB		599.985		10.000		0.101
22 743	MAB		599.985		9.998		0.100
23							
24							
25 740	MAB		599.985		10.002		0.102
26 830	MJG		599.980		10.000		0.100
27 740	MAB		599.990		10.001		0.100
28 821	MAB		599.985		9.999		0.101
29 750	MAB		599.985		10.000		0.100
30							
31							

Balance Challenge Log

Wet Chem Balance 5
Ohaus Pioneer PX124
ID# C032834626

Weight ID	weight (g) <0.5000g >/=0.5000g	acceptance range (g) ± 0.5mg ± 0.1%	
1000015949	0.005g	0.0045	0.0055
66067	0.100g	0.0995	0.1005
66067	100g	99.9000	100.1000

If other than as listed above, the weight and tracking ID of the mass used to challenge the balance must be recorded.

Month: November
Year: 2020

Alternate Weight/ID used:

Date Range:

Day/Time	Initials	Weight 1	Observed	Weight 2	Observed	Weight 3	Observed
1 0931	HAS		99.9995		0.1001		0.0049
2 1027	JKP		99.9996		0.1000		0.0051
3 1049	AmB		99.9996		0.1000		0.0051
4 957	HAS		99.9999		0.1000		0.0051
5 1112	AmB		99.9997		0.1000		0.0050
6 0938	HAS		99.9997		0.1002		0.0048
~~7 0908~~	~~HAS~~		~~99.9994~~	HAS 11/9/20	0.		
8							
9 0908	HAS		99.9994		0.1000		0.0050
10 1100	AmB		100.0001		0.0999		0.0051
11 0904	HAS		99.9992		0.0999		0.0048
12 1315	AmB		99.9993		0.0999		0.0048
13 0935	HAS		99.9996		0.1000		0.0050
14							
15							
16 1015	HAS	100.0000g	99.9997	0.1000g	0.1000	.0050g	0.0051
17 1307	AmB		99.9997		0.0999		0.0050
18 0944	HAS		99.9994		0.0998		0.0048
19 0941	AmB		99.9996		0.1000		0.0050
20 1017	HAS		99.9997		0.1004		0.0051
21							
22							
23 0848	AmB		99.9998		0.0999		0.0051
24 1089	AmB		99.9994		0.1000		0.0048
25 950	AmB		99.9996		0.0999		0.0048
26 1147	AmB		100.0003				
27							
28							
29							
30					0.1002		0.0048
31							

Balance Challenge Log

Wet Chem Balance 5
Ohaus Pioneer PX124
ID# C032834626

Weight ID	weight (g) <0.5000g >/=0.5000g	acceptance range (g) ± 0.5mg ± 0.1%	
1000015949	0.005g	0.0045	0.0055
66067	0.100g	0.0995	0.1005
66067	100g	99.9000	100.1000

If other than as listed above, the weight and tracking ID of the mass used to challenge the balance must be recorded.

Month: January
Year: 2021

Alternate Weight/ID used:

Date Range:

Day/Time	Initials	Weight 1	Observed	Weight 2	Observed	Weight 3	Observed
1							
2							
3							
4 11:00	CMR		99.9994		0.1000		0.0050
5 1020	MMK		99.9995		0.1000		0.0050
6 1050	HAS		99.9998		0.0998		0.0050
7 1010	AMB		99.9996		0.1000		0.0049
8 0947	CMR		99.9997		0.0998		0.0051
9 0954	AMB		100.0008		0.0998		0.0050
10							
11 1003	AMB		99.9997		0.1000		0.0050
12 1246	AMB		99.9999		0.0999		0.0049
13 1054	AMB		99.9997		0.1000		0.0049
14 1209	AMB		99.9999		0.0999		0.0049
15 0927	HAS		99.9996		0.1005		0.0048
16		100.0000g		0.1000g		.0050g	
17							
18 0921	HAS		100.0000		0.0998		0.0047
19 1030	AMB		100.0000		0.0998		0.0048
20 1002	AMB		99.9999		0.0998		0.0050
21 1000	AMB		99.9998		0.0998		0.0051
22 0949	CMR		99.9999		0.1000		0.0048
23							
24							
25 0935	HAS	HAS 1/25/21	~~99.~~ 100.0005		0.0999		0.0046
26 0740	MAB		99.9999		0.1007		0.0045
27 1041	AMB		100.0002		0.0999		0.0049
28 1010	MMK		99.9997		0.0998		0.0049
29 1127	MMK		99.9997		0.0999		0.0048
30							
31							

Balance Challenge Log

BalanceName
Lady Justice
S/N 593312

Weight ID	weight (g)	acceptance range (g)	
	=/<1g	± 0.02g	
	>1g	± 2%	
10660	0.10g	0.08	0.12
10581	50.00g	49.00	51.00
15477	500.00g	490.00	510.00

If other than as listed above, the weight and tracking ID of the mass used to challenge the balance must be recorded.

Month: Jan
Year: 2021

Alternate Weight/ID used:

Date Range:

Weight 1: 0.10g · Weight 2: 50.00g · Weight 3: ONLY NEEDED WHEN WEIGHING OVER 50 g --------------- KEPT IN METALS DEPT. 500.00g

Day/Time	Initials	Weight 1 Observed	Weight 2 Observed	Weight 3 Observed
1				
2				
3				
4 7:35	WS	0.10	50.00	
5 8:22	WS	0.10	49.99	499.98 TAH
6 8:30	WS	0.10	49.99	
7 7:45	WS	0.10	50.00	
8 7:40	WS	0.10	50.00	
9 9:15	TAH	0.09	49.98	
10 80 1/11/21				
11 ~~7:55~~ 7:55	80	0.10	50.00	
12 1130	JS	0.10	49.99	
13 744	80	0.09	49.99	
14 7:35	WS	0.10	50.00	
15 7:45	WS	0.10	49.99	
16				
17 80 1/18/21				
18 749	80	0.10	50.00	
19 7:35	WS	0.09	49.99	
20 7:45	WS	0.10	49.99	
21 8:15	WS	0.10	49.99	
22 9:00	WS	0.10	49.99	
23 10:51	HAS	0.10	49.98	
24			~~49.98~~ WS 1/25	
25 12:05	WS	0.10	49.98	
26 10:55	WS	0.10	49.98	499.84 80
27 10:45	WS	0.10	50.00	
28 8:20	WS	0.10	50.00	
29 957	80	0.10	50.00	
30 9:55	WS	0.10	49.99	
31				